SMITHSONIAN ASTROPHYSICAL OBSERVATORY

Prepared by the Staff
SMITHSONIAN ASTROPHYSICAL OBSERVATORY
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SMITHSONIAN ASTROPHYSICAL OBSERVATORY

STAR CATALOG

PART 3: Stars 128-548–192-333 (Bands −0° to −20°)

STAR CATALOG

POSITIONS AND PROPER MOTIONS OF 258,997 STARS FOR THE EPOCH AND EQUINOX OF 1950.0

In Four Parts—Part Three

SMITHSONIAN INSTITUTION
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INTRODUCTION

IN THE INTRODUCTION TO Part 1 (pp. xi–xxiv), the methods of reduction are described, the source catalogs are discussed and listed, and a statistical summary presents the distribution of the stars according to the zone in which they occur, their spectral type, their magnitude, and their standard deviation of position at 1963.5.

EXPLANATION OF CATALOG COLUMNS

Headings of the columns.—All positions and proper motions are given in the FK 4 system, referred to the equinox of 1950.0. The stars are listed in order of right ascension at epoch 1950.0, within 10-degree bands of declination from $+90°$ to $-90°$. The various columns present the following information:

1. Number: a sequential number for reference, to be added to the large number at the top of the columns.
2. Photographic magnitude (m_{pg}) and source.
3. Visual magnitude (m_v) and source.
4. Right ascension (α_{1950}) for equator, equinox, and epoch 1950.0.
5. Proper motion in right ascension (μ), expressed in seconds of time per annum in units of $0^s.0001$, and source of both proper motions.
6. Standard deviation (σ_μ) of μ expressed in seconds of arc per annum in units of $0''.001$.
7. Declination (δ_{1950}) for equator, equinox, and epoch 1950.0.
8. Proper motion in declination (μ'), expressed in seconds of arc per annum in units of $0''.001$.
9. Standard deviation ($\sigma_{\mu'}$) of μ' expressed in seconds of arc per annum in units of $0''.001$.
10. Standard deviation (σ_{1950}) of position at epoch 1950.0, in units of $0''.01$.
11. Seconds of right ascension at original epoch (α_2). (Note: When preceded by +, increase the minutes by one; by −, decrease the minutes by one.)
12. Standard deviation (σ) of α_2, in units of $0''.01$.
13. Epoch of α_2, in years, the initial digits (18.., 19..) being omitted. All epochs lie between 1875 and 1955.
14. Seconds of declination at original epoch (δ_2). (See note, col. 11.)
15. Standard deviation (σ') of δ_2, in units of $0''.01$.
16. Epoch of δ_2, in years, the intial digits (18.., 19..) being omitted. All epochs lie between 1875 and 1955.
17. SP: spectral type and source.
18. CAT: source catalog (see table 5).
19. Star number in source catalog and notes indicating double or variable stars.

20. DM number: notes to indicate source of Durchmusterung number and presence of footnotes in the source catalog, followed by DM zone and DM number. (The source notes should always be referred to when using DM numbers.)

Symbols within columns. – The symbols used in the individual columns have the meanings given in the following tabulation:

Column	*Code symbol*		*Source*
2: Source of photographic magnitude		blank	Source catalog
		E	Magnitude of stars in Cape Zone
		I	Introduction to source catalog
		S	Schilt and Hill (1937, 1938)
	(*Visual*)	(*Photovisual*)	
3: Source of visual magnitude	blank	W	Source catalog
	*	X	Source catalog or footnote in source catalog
	I	Y	Introduction to source catalog
	U	F	Unspecified
	B		BD
	C		CD
	P		CPD
	Q		Durchmusterung magnitudes and visual estimates
	A		AGK 1
	R		Cordoba Zones ("Resultados")
	Z		CGA or Cordoba Zones
	T		Harvard photometry or measured at San Luis, Argentina (GC)
	H		Henry Draper Catalogue
	M		Combined magnitudes of component stars
	N		Arithmetic mean of the maximum and minimum magnitudes of a variable star
5: Source of proper motions		blank	Source catalog
		Q	Comparison of source catalog and Greenwich AC
		A	Comparison of source catalog and AGK 1
		T	Comparison of source catalog and Greenwich AC on the basis of the smallest difference in positions
		Y	Comparison of source catalog with AGK 1 on the basis of the smallest difference in positions
17: Source of spectral type*		blank	Henry Draper Catalogue (HD)
		J	HD or classified by A. Cannon
		L	G. G. Cillie
		F	V. Goedicke
		O	D. Hoffleit
		M	M. W. Mayall
		R	Leander McCormick Observatory
		U	J. J. Nassau and C. K. Seyfert

TABLE 5.—*Symbols used for catalogs (Column 18) and range of declination covered by each*

Code symbol	Catalog	Vol.	Equinox	Declination δ		Comparison catalog	Equinox
26A	Yale	26 I	1950	+89° to +85°			
AG	AGK 2	1	1950	85	80	Greenwich AC	1900
AG	AGK 2	1	1950	80	75	AGK 1, Kasan	1875
AG	AGK 2	1	1950	75	70	AGK 1, Berlin	1905
AG	AGK 2	2	1950	70	65	AGK 1, Christiania	1875
AG	AGK 2	2	1950	65	60	AGK 1, Helsingfors-Gotha	1875
27	Yale	27	1950	60	55		
26B	Yale	26 II	1950	55	50		
AG	AGK 2	5	1950	50	45	AGK 1, Bonn*	1875
AG	AGK 2	6	1950	45	40	AGK 1, Bonn*	1875
AG	AGK 2	7	1950	40	35	AGK 1, Lund	1875
AG	AGK 2	8	1950	35	30	AGK 1, Leiden	1875
24	Yale	24	1950	30	25		
25	Yale	25	1950	25	20		
18	Yale	18	1950	20	15		
19	Yale	19	1950	15	10		
22B	Yale	22 II	1950	10	9		
22A	Yale	22 I	1950	9	5		
20	Yale	20	1950	5	1		
21	Yale	21	1950	+ 1	− 2		
17	Yale	17	1950	− 2	− 6		
16	Yale	16	1950	6	10		
11	Yale	11	1950	10	14		
12A	Yale	12 I	1950	14	18		
12B	Yale	12 II	1950	18	20		
13A	Yale	13 I	1950	20	22		
14	Yale	14	1950	22	27		
13B	Yale	13 II	1950	27	30		
C7	Cape	17	1950	30	35		
C8	Cape	18	1950	35	40		
CZ	Cape Zone		1900	40	52		
C9	Cape	19	1950	52	56		
C0	Cape	20	1950	56	64		
M3	Me 3		1890	64			
M4	Me 4		1900		−89		
F4	FK 4		1950	+89			
F3	FK 3		1950				
GC	GC		1950		−89		

*Including Münnichmeyer's corrections.

18: The source catalog (an explanation of the code symbols appears in table 5).

19: Double and variable stars

	Meaning and source
D	Double star; see source catalog for source, usually Innes' catalog of southern double stars
K	Double star; Aitken's double star catalog
N	Double star; Burnham's double star catalog
V	Variable star (visual magnitude)
X	Variable star (photographic magnitude)
Y	Variable star (visual and photographic magnitude)
DV	Double and variable star

20: Source of star numbers and existence of footnotes in source catalog

(Star number)	*(Footnote)*	*Source*
blank	*	Source catalog only
blank	B*	Source catalog and BD
C	C*	Source catalog and CD
P	P*	Source catalog and CPD
J	J*	Cordoba B and CD
E	E*	Cordoba A and CD
A	A*	AGK 1 and BD
G	G*	GC and BD
W	W*	Cordoba B and CPD
X	X*	Cordoba A and CPD

*When the symbol "+++" appears, the spectrum was either composite, varying, or peculiar.

PART 3

Stars 128-548–192-333
(Bands −0° to −20°)

128500

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	DM NUMBER
48		8.5A	0 0 1.297	-0.0017	09	-5 27 54.59	-0.006	09	0.22	1.326	16	33.7	54.49	16	33.7	F2	17	9197	A -5 6100
49		9.0A	0 0 5.247	0.0005	12	-8 45 58.41	0.002	12	0.25	5.239	16	33.7	58.45	16	33.7	G0	16	8460K	A -9 6310
50		8.7A	0 0 13.301	-0.0003	09	-3 11 41.40	-0.034	09	0.22	13.306	16	33.7	40.85	16	33.7	A5	17	9198	A -3 5752
51		9.4A	0 0 13.978	0.0026	12	-6 32 11.84	-0.014	12	0.25	13.944	16	33.7	11.41	16	33.7	G5	16	8461	A -7 6137
52		8.0A	0 0 23.251	0.0009	09	-1 10 19.03	-0.008	11	0.22	23.249	17	37.2	18.95	17	37.2	K0	21	3944	A -1 4520
53		8.1A	0 0 29.365	0.0034	12	-8 5 38.56	-0.003	12	0.25	29.311	16	33.7	38.51	16	33.7	G5	16	8462	A -8 6231
54		9.0A	0 0 37.110	-0.0012	11	-7 59 13.07	-0.013	11	0.23	37.129	16	33.7	12.85	16	33.7	G5	16	8463	A -8 6233
55		9.0A	0 0 43.360	-0.0015	12	-5 44 17.05	0.006	12	0.25	43.381	16	33.7	16.12	16	33.7	F8	16	8464	A -6 6351
56		9.0A	0 0 44.089	0.0118	09	-0 26 30.02	-0.068	11	0.22	44.519	17	37.2	29.16	17	37.2	F8	21	3945	A -0 4612
57		8.0A	0 0 46.837	-0.0018	09	-4 25 28.63	-0.006	09	0.22	46.886	16	33.7	28.53	16	33.7	F2	17	8199	A -4 6015
58		8.8A	1 8.009	0.0016	09	-1 50 2.67	0.001	09	0.22	7.982	16	33.7	2.68	16	33.7	K0	17	8200	A -2 6084
59		9.0A	1 11.399	0.0010	09	-3 41 42.20	0.002	09	0.22	11.362	16	33.7	42.23	16	33.7	K2	17	8201	A -4 6014
60		8.7A	1 25.445	0.0021	09	-4 35 16.67	-0.056	09	0.22	25.411	16	33.7	15.76	16	33.7	K0	17	8202	A -5 6103
61		9.0A	1 37.296	0.0007	09	-5 12 16.66	-0.003	09	0.22	37.286	16	33.7	16.61	16	33.7	A2	17	8203	A -5 6105
62		9.0A	1 41.080	0.0012	09	-0 17 8.91	0.010	11	0.22	41.065	17	37.2	9.05	17	37.2	K2	21	3947	A -0 4615
63		8.8A	1 45.418	-0.0006	12	-9 31 41.43	0.010	12	0.25	45.429	16	33.7	41.61	16	33.7	K0	16	8465	A -10 6221
64		8.4A	1 56.594	-0.0026	11	-7 14 36.69	-0.026	11	0.23	56.636	16	33.7	36.28	16	33.7	G0	16	8466	A -7 6142
65		8.6A	2 6.209	-0.0004	12	-8 27 47.31	-0.017	12	0.25	6.215	16	33.7	47.03	16	33.7	K2	16	8467	A -8 6240
66		8.8A	2 7.746	0.0007	09	-1 28 15.14	-0.014	11	0.22	7.738	17	37.2	14.98	17	37.2	F0	21	3948	A -1 4524
67		8.6A	2 11.545	0.0006	09	-0 13 19.54	-0.017	11	0.22	11.537	17	37.2	19.33	17	37.2	F0	21	3949	A -0 4616
68		9.0A	2 22.938	0.0000	12	-7 33 17.65	0.020	12	0.25	22.937	16	33.7	17.97	16	33.7	K0	16	8468	A -8 6241
69		6.3T	2 25.825	0.0088	03	-0 46 50.55	-0.055	03	0.20	25.761	09	98.0	47.55	07	95.2	K0	GC	51	B* -1 4525
70		8.7A	2 36.779	0.0012	09	-2 7 55.43	-0.021	09	0.22	36.760	16	33.7	55.09	16	33.7	K0	17	1	A -2 6080
71		8.0A	2 44.587	0.0035	09	-2 4 21.83	0.015	09	0.22	44.530	16	33.7	22.08	16	33.7	G5	17	2	A -2 6081
72		4.7M	2 46.530	-0.0008	01	-5 59 13.96	0.094	01	0.05	46.559	03	12.8	17.74	03	09.7	K0	F4	1002	-6 6357
73		8.7A	2 51.232	-0.0026	09	-1 43 5.54	-0.036	09	0.22	51.275	16	33.7	4.95	16	33.7	F8	17	3	A -2 6083
74		7.8A	2 51.808	-0.0006	09	-4 7 46.86	-0.038	09	0.22	51.818	16	33.7	46.26	16	33.7	K0	17	4	A -4 6019
75		7.2T	2 54.519	-0.0000	17	-7 56 37.19	-0.065	11	0.73	54.519	21	01.7	33.88	19	99.4	K5	GC	85	-8 6242
76		8.3A	2 56.650	0.0006	09	-2 5 54.51	-0.036	09	0.22	56.640	16	33.7	53.92	16	33.7	K0	17	5	A -2 6084
77		7.1T	2 57.328	0.0061	09	-9 53 40.71	-0.058	07	0.47	57.002	17	96.4	37.31	15	91.8	F5	GC	69	-10 6227
78		8.8A	3 2.315	-0.0041	13	-9 42 18.94	-0.022	17	0.30	2.382	18	33.7	18.59	16	33.7	F5	J 11	4	A -10 6229
79		9.3A	3 6.101	-0.0084	12	-8 10 55.40	0.018	12	0.25	6.140	16	33.7	55.69	16	33.7	K0	16	3	A -8 6243
80		8.7A	3 17.832	0.0034	12	-8 48 44.54	0.000	12	0.25	17.777	16	33.7	44.55	16	33.7	G5	16	4	A -9 6319
81		8.2A	3 34.244	0.0011	09	-0 9 24.69	-0.011	11	0.22	34.230	17	37.2	24.56	17	37.2	G5	21	5953	A -0 4619
82		9.0A	3 37.768	0.0014	09	-2 26 0.26	0.014	09	0.22	37.744	16	33.7	0.48	16	33.7	K0	17	6	A -2 6097
83		8.5A	3 39.481	0.0000	09	-2 9 53.74	-0.053	09	0.22	39.480	16	33.7	52.87	16	33.7	F8	17	7	A -2 6098
84		8.0A	3 44.985	-0.0015	11	-1 30 58.15	-0.051	13	0.25	45.009	16	33.7	57.32	16	33.7	K2	17	8	A -2 6099
85		9.3A	3 56.545	0.0001	09	-4 7 37.35	-0.084	11	0.22	56.544	16	33.7	36.96	16	33.7	F0	17	9	A -4 6022
86		9.3A	4 6.793	0.0017	09	-4 2 56.80	-0.005	09	0.22	6.764	16	33.7	56.72	16	33.7	G0	17	10	A -4 6024
87		8.3A	4 13.134	0.0035	13	-4 37 37.99	-0.100	13	0.27	13.077	16	33.7	36.36	16	33.7	F8	17	11	A -5 6117
88		9.2A	4 18.940	0.0008	12	-8 40 13.52	-0.002	12	0.25	18.930	16	33.7	13.50	16	33.7	G0	16	5	A -9 6323
89		8.4A	4 20.633	-0.0087	13	-3 34 5.51	-0.224	13	0.27	20.774	16	33.7	1.85	16	33.7	G0	17	12	A -4 6025
90		8.8A	4 38.076	-0.0012	09	-2 59 35.61	-0.002	09	0.22	38.096	16	33.7	35.58	16	33.7	K0	17	13	A -3 5761
91		9.3A	4 52.360	0.0022	09	-1 39 40.03	-0.010	09	0.22	52.324	16	33.7	39.87	16	33.7	G8	F 17	14	A -2 1
92		9.0B	5 2.292	-0.0034	08	-4 49 27.98	-0.103	06	0.39	2.463	15	00.2	22.09	14	93.0	G0	GC	111K	B* -5 2
93		9.1A	5 4.811	-0.0013	14	-0 5 56.76	-0.009	20	0.28	4.828	17	37.2	56.65	17	37.2	K5	21	5	A* -0 1
94		8.1A	5 6.675	0.0011	12	-8 11 58.78	-0.030	12	0.25	6.656	16	33.7	58.29	16	33.7	G5	16	7	A -8 2
95		6.3T	5 10.335	0.0016	03	-2 49 37.30	0.003	02	0.13	10.261	04	03.0	37.44	05	02.5	B8	GC	114	B* -3 2
96		8.8A	5 11.891	0.0012	09	-1 37 36.46	-0.007	09	0.22	11.872	16	33.7	36.35	16	33.7	K0	17	17	A -2 3
97		8.6A	5 14.205	0.0012	12	-5 45 52.93	0.018	12	0.25	14.186	16	33.7	53.22	16	33.7	K0	16	8	A -6 1
98		9.1A	5 16.126	0.0064	09	-0 8 52.17	-0.040	11	0.22	16.044	17	37.2	51.67	17	37.2	F5	21	8	A -0 2
99		8.9B	5 18.955	0.0131	13	-5 7 58.99	-0.030	13	0.63	18.347	17	03.6	57.59	17	03.3	G0	GC	117	-5 3
00		8.0A	5 26.861	-0.0014	12	-7 49 24.68	0.022	12	0.25	26.883	16	33.7	25.04	16	33.7	F5	16	9	A -8 3

128600

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	EPOCH 1950 μ s	EPOCH 1950 σ_μ ″.001	EPOCH 1950 δ_{1950} ° ′ ″	EPOCH 1950 μ' ″	EPOCH 1950 $\sigma_{\mu'}$ ″.001	EPOCH 1950 σ_{1950} ″	ORIGINAL EPOCH α_2 s	ORIGINAL EPOCH σ ″.01	ORIGINAL EPOCH ep.	ORIGINAL EPOCH δ_2 ″	ORIGINAL EPOCH σ' ″.01	ORIGINAL EPOCH ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	− 00° 0H DM NUMBER
1		9.1A	0 5 27.540	0.0044	12	-8 45 22.97	-0.008	12	0.25	27.468	16	33.7	22.84	16	33.7	F8	16	10	A -9 3
2		6.3T	5 38.407	0.0004	03	-2 43 33.57	-0.004	03	0.15	38.390	06	04.8	33.38	06	04.4	K0	GC	124	B* -3 3
3		8.8A	5 42.705	0.0080	13	-5 37 27.40	-0.092	13	0.27	42.575	16	33.7	25.89	16	33.7	G0	17	20	A -6 3
4		6.1T	5 44.117	-0.0038	11	-9 6 6.47	-0.029	08	0.58	44.329	19	94.5	4.64	18	88.1	K0	GC	126	-9 5
5		7.9A	5 57.268	0.0041	12	-7 4 13.74	0.005	12	0.25	57.201	16	33.7	13.81	16	33.7	K2	16	13	A -7 3
6		9.0A	6 6.701	0.0025	11	-5 7 16.98	-0.025	11	0.23	6.660	16	33.7	16.57	16	33.7	G0	17	21	A -5 6
7		7.3T	6 9.285	0.0024	06	-2 30 3.47	-0.008	05	0.35	9.139	09	88.5	2.96	09	87.5	G5	GC	132	-3 5
8		9.2A	6 12.184	-0.0041	12	-6 22 8.88	-0.169	12	0.25	12.251	16	33.7	6.12	16	33.7	G0	16	14	A -6 5
9		8.7A	6 15.538	0.0027	12	-8 10 31.37	-0.003	12	0.25	15.493	16	33.7	31.32	16	33.7	G5	16	15	A -8 5
10		9.2A	6 17.833	0.0021	09	-1 25 6.94	-0.029	11	0.22	17.807	17	37.2	6.57	17	37.2	A2	21	10	A -1 1
11		8.5A	6 28.494	0.0019	12	-8 29 26.00	-0.007	11	0.24	28.462	16	33.7	25.88	16	33.7	K0	16	16	A -9 6
12		9.1A	6 38.946	-0.0040	09	-0 12 8.60	-0.064	11	0.22	38.998	17	37.2	7.79	17	37.2	K0	21	12	A -0 7
13		9.1A	6 39.255	0.0002	09	-1 1 50.07	0.003	11	0.22	39.253	17	37.2	50.11	17	37.2	F8	21	13	A -1 3
14		8.5A	6 50.958	-0.0023	09	-0 12 20.56	-0.036	11	0.22	50.988	17	37.2	20.13	17	37.2	F5	21	14	A -0 8
15		9.2A	7 10.203	-0.0025	11	-3 57 26.01	0.041	11	0.23	10.244	16	33.7	26.68	16	33.7	F5	17	24	A -4 4
16		9.5A	7 13.748	0.0010	13	-2 27 3.28	-0.004	13	0.27	13.732	16	33.7	3.21	16	33.7	F8	17	25	A -2 8
17		8.5A	7 15.070	0.0049	12	-7 7 9.23	-0.025	11	0.24	14.989	16	33.7	8.82	16	33.7	G5	16	17	A -7 9
18		7.2T	7 21.362	0.0003	04	-2 50 21.26	-0.010	04	0.24	21.347	10	95.1	20.65	09	88.6	K2	GC	161	B* -3 9
19		7.4A	7 29.692	0.0051	11	-9 15 9.35	0.012	11	0.23	29.609	16	33.7	9.54	16	33.7	F0	16	18	A -9 13
20		9.0A	7 42.993	0.0016	12	-9 1 32.82	-0.046	12	0.25	42.967	16	33.7	32.06	16	33.7	G0	16	19	A -9 16
21		6.0T	7 45.210	0.0022	04	-5 31 35.06	-0.028	04	0.21	45.103	06	01.0	33.59	07	97.9	G5	GC	171	B* -6 11
22		8.5A	7 51.405	0.0012	12	-6 19 3.62	0.011	12	0.25	51.386	16	33.7	3.80	16	33.7	K0	16	21	A -6 12
23		8.7A	7 55.446	0.0009	12	-9 34 9.46	-0.015	11	0.24	55.431	16	33.7	9.21	16	33.7	G5	16	22	A -10 11
24		9.0A	8 11.315	-0.0008	12	-5 56 57.25	-0.005	12	0.25	11.328	16	33.7	57.16	16	33.7	G5	16	23	A -6 14
25		9.3A	8 16.274	-0.0014	09	-1 20 59.32	-0.012	11	0.22	16.297	16	33.7	59.12	16	33.7	G1 F	17	28	A -1 4
26		8.1A	8 23.156	-0.0039	13	-2 21 8.79	-0.025	13	0.27	23.092	16	33.7	8.38	16	33.7	K2	17	29	A -2 10
27		8.8A	8 35.756	-0.0026	11	-7 39 14.82	-0.037	11	0.23	35.798	16	33.7	14.21	16	33.7	F8	16	24	A -8 13
28		6.8T	8 35.935	0.0012	07	-3 35 57.49	0.001	06	0.35	35.877	09	00.2	57.54	09	99.1	G5	GC	188	-4 7
29		9.1A	8 43.648	-0.0005	09	-2 45 18.74	-0.011	09	0.22	43.656	16	33.7	18.56	16	33.7	K5	17	31	A -3 12
30		8.0A	8 57.241	0.0026	09	-1 24 4.80	-0.008	11	0.22	57.208	17	37.2	4.70	17	37.2	K2	21	16	A -1 7
31		7.6T	9 1.109	0.0100	07	-3 21 21.87	-0.003	05	0.38	0.524	15	91.3	21.68	15	88.1	F8	GC	195K	B* -3 14
32		8.2A	9 2.171	0.0009	09	-5 20 47.55	-0.010	09	0.22	2.156	16	33.7	47.38	16	33.7	K2	17	34	A -5 17
33		8.2Q	9 7.395	0.0100	17	-9 58 51.31	-0.014	12	0.68	6.971	19	07.5	50.68	19	03.4	F5	GC	200	-10 16
34		8.5A	9 25.533	0.0011	09	-0 30 28.42	-0.017	11	0.22	25.519	17	37.2	28.20	17	37.2	F0	21	17	A -1 9
35		8.5A	9 32.025	0.0043	12	-7 21 59.91	-0.033	11	0.24	31.954	16	33.7	59.37	16	33.7	F5	16	26	A -7 16
36		8.8A	9 32.698	0.0009	11	-7 58 48.57	-0.018	11	0.23	32.683	16	33.7	48.27	16	33.7	K0	16	27	A -8 16
37		9.1A	9 32.766	0.0057	09	-4 16 44.73	-0.044	09	0.22	32.673	16	33.7	44.01	16	33.7	F5	17	35	A -4 10
38		8.6A	9 48.735	0.0027	12	-8 59 17.32	-0.015	11	0.24	48.692	16	33.7	17.07	16	33.7	G5	16	28	A -9 23
39		7.3T	10 6.317	0.0040	10	-1 30 19.69	-0.008	09	0.48	6.122	09	00.7	19.29	09	00.1	K0	GC	224	-2 19
40		8.8A	10 13.212	0.0102	12	-7 18 24.59	0.032	12	0.25	13.045	16	33.7	25.11	16	33.7	G0	16	29	A -7 17
41		8.2A	10 20.573	0.0012	12	-7 11 23.52	0.021	12	0.25	20.553	16	33.7	23.86	16	33.7	K0	16	30	A -7 18
42		7.2A	10 21.585	-0.0000	09	-3 39 33.95	0.002	09	0.22	21.595	16	33.7	33.98	16	33.7	MA	17	37	A -4 11
43		7.5A	10 34.693	0.0060	12	-7 57 40.40	0.029	12	0.25	34.595	16	33.7	40.87	16	33.7	K0	16	31	A -8 18
44		8.2Q	10 38.752	-0.0009	10	-5 31 11.50	-0.010	08	0.47	38.799	14	98.8	10.96	12	97.0	K2	GC	236	-6 19
45		9.2A	10 46.209	0.0051	12	-6 15 14.87	0.017	12	0.25	46.126	16	33.7	15.15	16	33.7	G0	16	33	A -6 21
46		9.5A	10 48.802	0.0024	11	-8 10 45.86	-0.008	09	0.22	48.762	16	33.7	45.73	16	33.7	K0 R	16	34	A -8 19
47		8.9A	10 53.951	0.0008	09	-4 55 29.15	0.018	09	0.22	53.938	16	33.7	29.44	16	33.7	K2	17	39	A -5 23
48		7.8A	11 27.585	0.0030	09	-4 11 11.80	-0.015	09	0.22	27.536	16	33.7	11.55	16	33.7	K0	17	40	A -4 12
49		8.6A	11 30.231	0.0016	09	-0 18 41.05	-0.035	11	0.22	30.211	17	37.2	40.60	17	37.2	A5	21	23	A -0 21
50		7.0A	11 36.651	0.0079	12	-7 28 34.70	-0.085	12	0.25	36.522	16	33.7	33.31	16	33.7	F5	16	35	A -8 24
51		8.8A	0 11 40.679	-0.0005	09	-0 50 47.83	-0.047	11	0.22	40.686	17	37.2	47.23	17	37.2	K0	21	24	A -1 12
52		8.1A	11 43.470	-0.0004	12	-9 6 37.47	-0.036	11	0.24	43.477	16	33.7	36.89	16	33.7	K0	16	36	A -9 30
53		9.4A	11 46.765	0.0003	09	-1 27 45.38	-0.021	09	0.22	46.760	16	33.7	45.04	16	33.7	G5 F	17	41	A -1 13
54		7.4T	11 50.834	-0.0018	14	-2 28 31.42	-0.008	13	0.74	50.930	15	97.6	31.00	17	98.0	K0	GC	264	-3 18
55		5.4T	11 54.170	0.0037	08	-8 3 31.02	0.008	07	0.32	54.018	12	08.9	31.32	10	09.9	M0	GC	265K	B* -8 26
56		8.7A	12 6.653	0.0059	17	-9 41 12.49	0.027	18	0.33	6.557	18	33.7	12.94	16	33.7	G0 J	11	33	A -10 27
57		9.1A	12 7.382	-0.0003	12	-7 57 32.45	-0.033	12	0.25	7.387	16	33.7	31.91	16	33.7	F8 R	16	38	A -8 27
58		8.0A	12 16.309	0.0037	09	-0 34 50.81	-0.007	11	0.22	16.263	17	37.2	50.72	17	37.2	A5	21	26	A -1 14
59		8.3A	12 19.873	0.0019	09	-1 18 45.45	-0.014	11	0.22	19.849	17	37.2	45.27	17	37.2	K0	21	27	A -1 15
60		5.8T	12 21.356	0.0016	06	-9 50 50.61	-0.007	05	0.30	21.284	12	04.4	50.28	10	99.0	B9	GC	283	-10 30
61		7.0T	12 22.331	-0.0053	13	-3 18 18.10	-0.026	12	0.68	22.612	15	97.5	16.76	15	98.5	M0	GC	285	-3 20
62		8.2Q	12 43.038	-0.0031	10	-6 24 56.07	-0.056	08	0.45	43.191	14	00.8	53.22	14	99.3	K0	GC	293	-6 29
63		8.6A	12 53.800	0.0010	09	-3 55 55.36	0.002	09	0.22	53.784	16	33.7	55.39	16	33.7	B9	17	45	A -4 17
64		8.9A	12 54.733	0.0060	09	-3 3 4.45	0.056	09	0.22	54.634	16	33.7	5.37	16	33.7	F8	17	46	A -3 22
65		8.7A	13 1.477	0.0012	09	-5 17 1.57	-0.024	09	0.22	1.458	16	33.7	1.17	16	33.7	K5	17	47	A -5 27
66		9.0A	13 8.759	0.0049	11	-7 35 1.94	-0.066	11	0.23	8.678	16	33.7	0.86	16	33.7	F8	16	40	A -8 29
67		9.2A	13 10.023	-0.0003	09	-0 9 34.41	0.000	11	0.22	10.027	17	37.2	34.42	17	37.2	K5	21	28	A -0 26
68		7.7Q	13 18.321	0.0013	08	-5 52 45.27	-0.014	05	0.40	18.252	14	95.8	44.45	12	92.4	G5	GC	302K	B* -6 30
69		8.7A	13 18.634	0.0033	12	-9 9 15.91	-0.003	12	0.25	18.581	16	33.7	15.86	16	33.7	G0	16	42	A -9 32
70		8.7A	13 26.751	0.0013	15	-9 45 25.38	0.000	17	0.31	26.730	18	33.7	25.39	16	33.7	F8 J	11	43	A -10 34
71		8.8A	13 44.379	0.0048	09	-0 14 0.28	-0.035	11	0.22	44.318	17	37.2	59.84	17	37.2	F8	21	29	A -0 28
72		8.4A	13 48.503	0.0001	12	-7 18 27.26	-0.015	12	0.25	48.501	16	33.7	27.01	16	33.7	F5	16	43	A -7 29
73		8.2A	14 1.623	-0.0069	09	-1 48 1.15	-0.031	11	0.22	1.936	16	33.7	0.64	16	33.7	F8	17	48	A -2 26
74		9.1A	14 4.788	-0.0005	09	-5 15 19.91	0.007	09	0.22	4.796	16	33.7	20.02	16	33.7	F5	17	49	A -5 31
75		8.6A	14 20.245	0.0078	12	-7 28 11.41	-0.007	12	0.25	20.117	16	33.7	11.29	16	33.7	G0	16	44	A -7 32
76		9.0A	14 30.636	0.0002	14	-1 20 43.73	0.040	20	0.28	30.634	17	37.2	44.24	17	37.2	MA	21	31	A* -1 20
77		8.3A	14 31.882	0.0025	09	-1 55 50.95	0.014	09	0.22	31.841	16	33.7	51.18	16	33.7	G5	17	51	A -2 29
78		9.4A	14 36.292	0.0046	12	-8 48 48.98	-0.051	12	0.25	36.218	16	33.7	48.14	16	33.7	G5 R	16	45	A -9 38
79		8.5A	14 42.282	0.0021	13	-4 43 37.53	0.024	13	0.27	42.247	16	33.7	37.92	16	33.7	K0	17	52	A -5 35
80		9.0A	14 51.610	0.0001	14	-1 21 29.01	-0.013	20	0.28	51.609	17	37.2	28.84	17	37.2	G5	21	33	A* -1 21
81		9.0A	14 59.047	0.0031	12	-3 9 41.46	0.013	12	0.25	58.996	16	33.7	41.67	16	33.7	G0	17	54	A -3 30
82		9.0A	15 9.890	0.0036	09	-4 10 20.98	-0.017	09	0.22	9.831	16	33.7	20.70	16	33.7	F8	17	55	A -4 23
83		9.1A	15 11.455	-0.0015	14	-1 19 30.80	-0.047	20	0.28	11.474	17	37.2	30.20	17	37.2	G5	21	36	A* -1 23
84		8.6A	15 14.584	-0.0038	12	-6 25 54.48	-0.052	12	0.25	14.646	16	33.7	53.63	16	33.7	K0	16	46	A -6 37
85		7.2T	15 14.763	-0.0006	08	-2 8 26.62	-0.005	07	0.44	14.799	12	94.3	26.34	12	93.6	G5	GC	349	-2 31
86		9.3A	15 15.075	-0.0008	12	-6 27 57.80	-0.042	12	0.25	15.088	16	33.7	57.11	16	33.7		16	47	A -6 38
87		9.1A	15 29.793	0.0004	11	-8 46 59.84	-0.041	09	0.22	29.786	16	33.7	59.18	16	33.7	G5	16	48	A -9 41
88		7.5T	15 44.833	0.0025	07	-2 17 33.23	-0.005	07	0.35	44.708	09	99.3	32.98	09	98.7	K2	GC	366	-2 34
89		9.5A	15 59.062	-0.0021	13	-2 48 52.54	-0.071	13	0.27	59.096	16	33.7	51.38	16	33.7	F8	17	59	A -3 34
90		6.5T	16 7.400	0.0276	09	-8 19 42.78	-0.135	07	0.33	6.267	07	08.9	37.50	09	11.0	G0	GC	378	-8 38
91		8.8A	16 9.569	0.0045	12	-7 54 16.20	-0.133	12	0.25	9.496	16	33.7	14.03	16	33.7	G5	16	50	A -8 39
92		9.5A	16 20.274	-0.0037	12	-9 14 50.46	-0.024	12	0.25	20.336	16	33.7	50.08	16	33.7	G0	16	51	A -9 44
93		9.0A	16 39.517	0.0011	13	-5 19 35.60	-0.022	13	0.27	39.500	16	33.7	35.24	16	33.7	F5	17	60	A -5 40
94		3.7H	16 52.784	-0.0013	01	-9 6 3.44	-0.031	01	0.04	52.834	02	11.4	2.27	02	11.8	K0	F4	9	-9 48
95		9.0A	16 59.053	0.0004	13	-1 32 23.01	-0.036	13	0.27	59.047	16	33.7	22.42	16	33.7	G5	17	61	A -2 36
96		7.1T	17 3.211	0.0014	13	-7 29 58.76	-0.122	13	0.67	3.144	19	01.9	52.71	19	00.6	F5	GC	393	-8 42
97		9.1A	17 10.263	0.0028	09	-0 49 25.59	0.020	11	0.22	10.227	17	37.2	25.85	17	37.2	K0	21	42	A -1 27
98		7.0T	17 17.435	0.0002	13	-2 45 24.87	0.039	12	0.72	17.426	18	95.3	27.04	18	94.5	G5	GC	397	-3 36
99		8.6A	17 18.466	-0.0003	12	-5 43 41.06	-0.020	12	0.25	18.474	16	33.7	40.73	16	33.7	K0	16	55	A -6 46
00		8.8A	17 33.596	-0.0018	12	-9 20 2.45	-0.002	11	0.24	33.622	16	33.7	2.43	16	33.7	K0	16	56	A -9 49

128700

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	DM NUMBER
1		8.9A	D 17 46.212	0.0059	12	-9 10 54.22	-0.010	11	0.24	46.117	16	33.7	54.05	16	33.7	F8	16	57	A -9 51
2		8.7A	18 16.011	0.0009	13	-4 23 36.00	-0.037	13	0.27	15.996	16	33.7	35.40	16	33.7	MA	17	63	A -4 29
3		8.8A	18 16.114	-0.0001	09	-1 8 54.56	-0.019	11	0.22	16.116	17	37.2	54.32	17	37.2	A5	21	45	A -1 31
4		8.7A	18 16.885	-0.0007	09	-4 1 30.71	-0.021	09	0.22	18.897	16	33.7	30.37	16	33.7	F8	17	64	A -4 30
5		9.0A	18 29.903	-0.0002	09	-3 20 42.58	-0.012	11	0.22	29.907	16	33.7	42.38	16	33.7	K2	17	65	A -3 37
6		8.5A	18 29.910	0.0032	12	-9 23 19.94	-0.044	12	0.25	29.859	16	33.7	19.23	16	33.7	G5	16	58	A -9 53
7		7.0T	18 30.497	0.0053	10	-3 11 12.61	0.020	08	0.54	30.197	17	93.1	13.78	15	91.3	KO	GC	426	-3 38
8		9.0A	18 35.370	-0.0006	13	-2 38 3.40	-0.012	13	0.27	35.380	16	33.7	3.20	16	33.7	M5	F 17	67	A -3 40
9		9.1A	18 36.853	0.0035	12	-9 30 34.65	0.002	12	0.25	36.796	16	33.7	34.69	16	33.7	G5	16	59	A -10 55
10		8.0A	18 39.607	0.0014	09	-3 35 24.44	0.063	09	0.22	39.584	16	33.7	25.47	16	33.7	F8	17	68	A -4 31
11		8.9A	18 40.380	-0.0000	11	-8 33 31.48	-0.012	11	0.23	40.361	16	33.7	31.28	16	33.7	K2	16	60	A -9 54
12		9.0A	18 47.284	0.0003	12	-9 0 39.98	-0.007	11	0.24	47.218	16	33.7	39.86	16	33.7	A3	16	61	A -9 55
13		8.4A	18 54.675	0.0082	09	-3 55 21.25	-0.009	09	0.22	54.541	16	33.7	21.11	16	33.7	F8	17	69	A -4 32
14		9.0A	18 55.129	0.0001	14	-1 13 6.34	0.015	20	0.28	55.128	17	37.2	6.53	17	37.2	KO	21	47	A* -1 34
15		9.0A	19 4.932	-0.0041	09	-3 37 46.25	-0.055	09	0.22	4.999	16	33.7	45.35	16	33.7	F8	17	70	A -4 34
16		8.2A	19 17.465	0.0010	09	-0 16 54.24	0.006	11	0.22	17.452	17	37.2	54.32	17	37.2	K2	21	49	A -0 51
17		9.0A	19 40.422	-0.0013	09	-1 13 21.39	-0.040	11	0.22	40.439	17	37.2	20.88	17	37.2	KO	21	50	A -1 37
18		7.0T	19 41.061	-0.0021	08	-5 28 7.35	0.001	08	0.41	41.166	09	00.1	7.39	09	99.8	A2	GC	441	-5 49
19		9.4A	19 54.934	0.0014	11	-2 52 3.43	-0.012	09	0.22	54.910	16	33.7	3.23	16	33.7	K2	F 17	72	A -3 45
20		9.4A	19 59.502	0.0004	09	-4 2 40.29	0.028	09	0.22	59.495	16	33.7	40.75	16	33.7	K2	F 17	73	A -4 36
21		9.4A	20 1.839	0.0002	12	-6 55 12.80	-0.030	12	0.25	1.836	16	33.7	12.31	16	33.7	F8	16	63	A -7 43
22		9.5A	20 3.274	0.0026	11	-6 36 5.98	-0.013	11	0.23	3.232	16	33.7	5.76	16	33.7	F5	R 16	64	A -7 44
23		9.0A	20 5.844	-0.0015	11	-4 46 57.31	-0.015	11	0.23	5.868	16	33.7	57.07	16	33.7	F8	17	74	A -5 51
24		8.0A	20 10.356	0.0016	15	-9 53 59.50	-0.012	17	0.31	10.330	18	33.7	59.32	16	33.7	F8	J 11	60	A -10 57
25		7.9A	20 13.593	0.0002	12	-9 30 27.24	-0.051	11	0.24	13.591	16	33.7	26.41	16	33.7	G5	16	65	A -10 58
26		8.5A	20 15.981	-0.0010	12	-9 33 19.04	-0.008	11	0.24	15.998	16	33.7	18.90	16	33.7	KO	16	66	A -10 60
27		8.9A	20 19.438	-0.0012	09	-0 5 58.86	-0.065	11	0.22	19.454	17	37.2	58.04	17	37.2	G5	21	52	A -0 52
28		7.5A	20 27.094	-0.0030	12	-6 44 23.91	-0.006	12	0.25	27.143	16	33.7	23.81	16	33.7	KO	16	67	A -7 48
29		8.6A	20 27.684	0.0026	12	-6 38 50.39	0.009	12	0.25	27.641	16	33.7	50.53	16	33.7	F8	16	68	A -7 47
30		9.3A	20 28.678	0.0022	12	-6 10 1.09	0.025	12	0.25	28.641	16	33.7	1.49	16	33.7	F8	16	69	A -6 58
31		8.5A	20 32.357	0.0008	11	-3 52 48.73	0.006	11	0.23	32.344	16	33.7	48.83	16	33.7	F5	17	75	A -4 38
32		9.2A	20 40.370	-0.0007	09	-4 50 41.77	-0.049	11	0.22	40.362	16	33.7	40.97	16	33.7	G5	17	76	A -5 53
33		9.0A	20 41.742	0.0005	11	-8 53 42.62	0.005	11	0.23	41.734	16	33.7	42.71	16	33.7	K5	16	70	A -9 60
34		8.0A	21 6.207	0.0044	09	-3 19 59.45	-0.136	09	0.22	6.136	16	33.7	57.23	16	33.7	G5	17	77	A -3 48
35		8.6A	21 6.722	0.0007	09	-0 49 5.90	-0.007	11	0.22	6.714	17	37.2	5.81	17	37.2	KO	21	54	A -1 41
36		8.8A	21 15.343	-0.0009	13	-4 24 16.94	-0.054	13	0.27	15.358	16	33.7	16.06	16	33.7	K2	17	78	A -4 39
37		8.8A	21 15.380	-0.0014	09	-0 9 18.90	0.003	11	0.22	15.398	17	37.2	18.95	17	37.2	G5	21	55	A -0 56
38		9.2A	21 16.232	-0.0006	12	-5 54 50.39	-0.033	12	0.25	16.241	16	33.7	49.85	16	33.7	A5	16	71	A -6 60
39		7.6A	21 26.438	0.0022	09	-3 45 6.05	-0.009	09	0.22	26.402	16	33.7	7.90	16	33.7	A0	17	79	A -4 40
40		7.3I	21 30.896	0.0009	12	-9 36 16.04	0.036	11	0.56	30.856	17	04.1	17.76	17	01.5	M4E	GC	474V	B* -10 65
41		8.6A	21 41.192	-0.0026	09	-4 46 46.91	-0.015	09	0.22	41.234	16	33.7	46.66	16	33.7	F5	17	80	A -5 56
42		8.5A	21 44.823	0.0007	09	-1 31 5.14	0.015	11	0.22	44.814	17	37.2	5.33	17	37.2	K5	21	58	A -2 49
43		6.3T	21 56.269	-0.0024	03	-2 29 43.30	-0.032	03	0.15	56.377	06	05.8	41.84	06	04.2	KO	GC	480	B* -3 49
44		7.8A	21 59.704	-0.0008	09	-4 55 29.52	-0.012	09	0.22	59.717	16	33.7	29.32	16	33.7	MA	17	83	A -5 58
45		9.0A	22 6.985	0.0021	09	-0 4 0.96	0.007	11	0.22	6.958	17	37.2	1.06	17	37.2	A5	21	60	A -0 59
46		9.3A	22 6.986	-0.0008	13	-3 43 43.60	-0.009	13	0.27	6.999	16	33.7	43.45	16	33.7	K2	17	84	A -4 41
47		9.3A	22 7.146	-0.0014	12	-8 12 22.67	-0.046	12	0.25	7.168	16	33.7	21.92	16	33.7	F2	16	73	A -8 57
48		9.1A	22 7.267	0.0024	13	-3 29 44.63	-0.004	13	0.27	7.228	16	33.7	44.56	16	33.7	KO	17	85	A -4 42
49		9.0A	22 11.723	0.0050	12	-8 54 41.64	-0.012	11	0.24	11.641	16	33.7	41.44	16	33.7	F5	16	74	A -9 68
50		9.0A	22 17.081	0.0024	13	-4 32 44.42	-0.031	13	0.27	17.041	16	33.7	43.91	16	33.7	K2	17	86	A -5 59
51		8.5A	D 22 26.121	-0.0007	09	-4 47 41.38	-0.007	09	0.22	26.132	16	33.7	41.27	16	33.7	A0	17	87	A -5 60
52		9.0A	22 40.556	-0.0012	09	-2 6 35.73	0.021	09	0.22	40.575	16	33.7	36.07	16	33.7	K5	17	88	A -2 53
53		8.9A	22 43.772	-0.0005	12	-4 39 30.26	-0.007	12	0.25	43.780	16	33.7	30.15	16	33.7	K2	17	89	A -5 61
54		9.3A	22 49.645	-0.0003	12	-7 49 45.80	-0.010	12	0.25	49.650	16	33.7	45.63	16	33.7	G0	16	75	A -8 58
55		8.7A	22 53.122	0.0026	13	-4 16 13.39	-0.000	13	0.27	53.079	16	33.7	13.39	16	33.7	F5	17	90	A -4 43
56		9.3A	23 6.928	0.0032	12	-3 59 2.60	-0.027	12	0.25	6.875	16	33.7	2.16	16	33.7	F8	17	91	A -4 44
57		9.4A	23 17.079	0.0001	09	-5 37 23.91	0.025	09	0.22	17.078	16	33.8	24.31	16	33.8	F0	R 17	92	A -6 66
58		7.8B	23 19.869	0.0002	09	-8 37 42.15	-0.005	07	0.43	19.860	15	00.4	41.86	14	96.9	KO	GC	508	-9 70
59		9.1A	23 23.119	0.0021	12	-6 20 40.21	0.004	12	0.25	23.085	16	33.7	40.27	16	33.7	KO	16	78	A -6 67
60		6.4T	24 3.431	0.0047	02	-0 19 34.65	0.004	02	0.12	3.202	05	01.0	34.87	05	97.8	G5	GC	523	B* -0 63
61		8.9A	24 19.107	0.0014	12	-5 47 58.60	0.033	12	0.25	19.084	16	33.7	59.13	16	33.7	F8	16	79	A -6 71
62		8.2A	24 19.446	0.0027	09	-1 12 21.61	-0.041	11	0.22	19.411	17	37.2	21.09	17	37.2	F5	21	67	A -1 46
63		9.0A	24 23.994	0.0038	09	-4 14 22.09	0.019	09	0.22	23.932	16	33.7	22.40	16	33.7	G5	17	93	A -4 45
64		8.8A	24 26.563	-0.0019	09	-4 41 28.11	0.009	09	0.22	26.594	16	33.7	28.25	16	33.7	G5	17	94	A -5 63
65		9.0A	24 31.521	-0.0017	11	-6 19 46.71	-0.013	11	0.23	31.549	16	33.7	46.49	16	33.7	G0	16	80	A -6 73
66		7.2T	24 32.309	0.0007	06	-5 16 48.14	-0.019	06	0.34	32.272	10	96.9	47.09	10	94.9	KO	GC	525	-5 64
67		9.1A	24 33.573	-0.0015	11	-6 52 52.36	-0.027	11	0.23	33.596	16	33.7	51.91	16	33.7	MA	16	81	A -7 57
68		8.3A	24 35.179	-0.0025	12	-8 9 11.34	0.016	12	0.25	35.219	16	33.7	11.60	16	33.7	G5	16	82K	A -8 65
69		7.9A	24 47.925	0.0019	12	-8 56 4.60	-0.041	12	0.24	47.895	16	33.7	3.92	16	33.7	F2	16	83	A -9 79
70		9.3A	24 53.069	0.0032	09	-4 24 7.15	0.027	09	0.22	53.017	16	33.7	7.59	16	33.7	F8	F 17	96	A -4 47
71		8.9A	24 56.722	0.0017	15	-9 38 3.51	0.005	17	0.31	56.695	18	33.7	3.59	16	33.7	F5	J 11	79	A -10 78
72		9.4A	24 59.124	0.0008	12	-9 17 1.71	0.017	12	0.25	59.111	16	33.7	2.00	16	33.7	KO	16	84	A -9 80
73		8.5A	25 21.684	-0.0002	09	-1 57 29.02	0.007	09	0.22	21.688	16	33.7	29.13	16	33.7	K2	17	97	A -2 57
74		9.0A	25 55.067	-0.0034	09	-2 47 21.61	-0.002	09	0.22	55.123	16	33.7	21.58	16	33.7	G0	17	98	A -3 54
75		9.0A	26 3.795	-0.0002	15	-9 50 5.82	-0.007	17	0.31	3.799	18	33.7	5.72	16	33.7	KO	J 11	84	A -10 81
76		8.6A	26 5.991	0.0025	15	-9 40 54.02	-0.002	17	0.31	5.951	18	33.7	53.99	16	33.7	G5	J 11	85	A -10 82
77		8.8A	26 7.769	0.0049	09	-5 5 48.40	-0.029	09	0.22	7.689	16	33.7	47.92	16	33.7	G0	17	99	A -5 69
78		8.9A	26 32.870	0.0020	12	-7 58 44.80	-0.054	12	0.25	32.836	16	33.7	43.91	16	33.7	F5	16	85	A -8 78
79		8.5A	26 36.230	0.0013	09	-0 14 7.01	-0.004	11	0.22	36.214	17	37.2	6.97	17	37.2	K2	21	69	A -0 69
80		9.1A	26 36.705	0.0019	09	-0 56 29.64	0.004	11	0.22	36.681	17	37.2	29.69	17	37.2	KO	21	70	A -1 49
81		8.0B	26 43.624	-0.0067	11	-6 11 1.52	-0.219	10	0.54	43.957	14	00.5	50.36	14	99.1	G0	GC	570	-6 79
82		8.5A	26 46.186	0.0017	12	-5 54 36.68	-0.001	12	0.25	46.158	16	33.7	36.66	16	33.7	KO	16	87	A -6 80
83		8.5A	26 48.456	-0.0003	12	-6 47 27.70	0.002	12	0.25	48.461	16	33.7	27.73	16	33.7	G5	16	88	A -7 63
84		7.1T	26 55.982	0.0024	08	-3 44 44.23	0.016	07	0.42	55.858	14	97.7	45.08	14	96.0	K5	GC	574	-4 51
85		9.1A	27 4.155	-0.0008	12	-7 6 36.73	0.002	12	0.25	4.167	16	33.7	36.76	16	33.7	F0	16	89	A -7 64
86		8.9A	27 5.032	0.0005	13	-4 17 28.09	-0.043	13	0.27	5.025	16	33.7	27.39	16	33.7	F8	F 17	102	A -4 52
87		7.0T	27 5.380	0.0054	08	-3 6 58.47	-0.038	07	0.40	5.117	09	01.1	56.58	09	00.5	K2	GC	576	-3 57
88		7.9A	27 17.152	0.0028	09	-0 35 50.58	0.028	11	0.22	17.116	17	37.2	50.94	17	37.2	G5	21	71	A -1 51
89		7.5T	27 21.267	0.0102	04	-1 23 34.33	-0.073	03	0.19	20.765	07	00.6	30.44	07	96.6	F0	GC	581	B* -1 52
90		8.4A	27 28.045	0.0020	12	-6 22 53.70	-0.147	12	0.25	28.012	16	33.7	51.30	16	33.7	F8	16	90	A -6 83
91		6.0H	27 29.160	0.0005	01	-4 14 0.17	-0.007	01	0.03	29.141	02	13.2	59.88	02	10.4	K5	F4	13	-4 54
92		9.0A	27 36.039	-0.0009	12	-9 30 41.77	-0.010	11	0.24	36.054	16	33.7	41.62	16	33.7	A2	16	91	A -10 85
93		8.9A	27 50.487	-0.0007	12	-6 32 33.15	-0.028	12	0.25	50.498	16	33.7	32.69	16	33.7	G0	16	92	A -7 67
94		9.0A	27 56.849	-0.0024	12	-8 21 37.73	-0.006	12	0.25	56.887	16	33.7	37.63	16	33.7	F0	16	93	A -8 81
95		8.5A	27 57.517	0.0013	09	-0 38 56.33	-0.016	11	0.22	57.501	17	37.2	56.12	17	37.2	G0	21	73	A -1 55
96		8.8A	27 58.679	0.0035	15	-9 56 56.81	-0.041	17	0.31	58.623	18	33.7	56.13	16	33.7	F5	J 11	93	A -10 86
97		9.1A	28 4.550	0.0009	15	-9 40 8.55	0.129	17	0.31	4.537	18	33.7	10.66	16	33.7	A0	J 11	94	A -10 87
98		7.6A	28 8.414	-0.0024	15	-9 41 1.38	-0.032	17	0.31	8.453	18	33.7	0.85	16	33.7	M1	J 11	95	A -10 88
99		9.3A	28 15.069	0.0056	12	-7 44 35.53	0.006	12	0.25	14.977	16	33.7	35.62	16	33.7	G0	16	94	A -8 82
00		9.0A	28 15.669	-0.0014	13	-2 54 41.20	0.001	13	0.27	15.691	16	33.7	41.22	16	33.7	K5	17	105	A -3 59

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NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	EPOCH 1950 μ s	EPOCH 1950 σ_μ ″.001	EPOCH 1950 δ_{1950} ° ′ ″	EPOCH 1950 μ' ″	EPOCH 1950 $\sigma_{\mu'}$ ″.001	EPOCH 1950 σ_{1950} ″	ORIGINAL EPOCH α_2 s	ORIGINAL EPOCH σ ″.01	ORIGINAL EPOCH ep.	ORIGINAL EPOCH δ_2 ″	ORIGINAL EPOCH σ' ″.01	ORIGINAL EPOCH ep.	SP.		SOURCE CAT.	SOURCE STAR NUMBER	00 0H DM NUMBER
1		9.0A	0 28 20.220	0.0002	09	-0 25 48.99	0.002	11	0.22	20.218	17	37.2	49.03	17	37.2	K5		21	75	A -0 76
2		9.2A	28 29.712	0.0030	12	-9 6 10.41	0.027	11	0.24	29.663	16	33.7	10.86	16	33.7	F5		16	95	A -9 92
3		8.7A	28 41.896	-0.0007	11	-3 10 16.15	-0.006	11	0.23	41.907	16	33.7	16.05	16	33.7	K2		17	106	A -3 61
4		9.0A	28 50.526	-0.0017	09	-2 17 36.25	-0.006	09	0.22	50.553	16	33.7	36.15	16	33.7	F8		17	107	A -2 67
5		8.0A	28 58.773	-0.0053	09	-4 33 22.17	-0.146	09	0.22	58.859	16	33.7	19.79	16	33.7	F8		17	108	A -5 75
6		6.8T	29 7.197	0.0006	12	-2 4 10.05	-0.013	11	0.61	7.168	15	98.1	9.40	15	99.4	A0		GC	622	-2 69
7		8.9A	29 15.314	0.0005	12	-7 6 5.00	-0.011	12	0.25	15.306	16	33.7	4.81	16	33.7	K0		16	96	A -7 72
8		8.0A	29 17.920	-0.0002	09	-0 26 47.45	-0.002	11	0.22	17.922	17	37.2	47.48	17	37.2	A0		21	76	A -0 78
9		8.8A	29 18.255	-0.0023	15	-9 39 54.84	-0.008	17	0.31	18.293	18	33.7	54.70	16	33.7	K0	J	11	101	A -10 93
10		8.1A	29 24.289	0.0028	12	-6 35 33.20	-0.009	12	0.25	24.242	16	33.7	33.05	16	33.7	K0		16	97	A -7 73
11		9.0A	29 26.205	0.0003	09	-1 30 26.89	0.042	11	0.22	26.202	17	37.2	27.43	17	37.2	G0		21	78	A -2 70
12		8.8A	29 30.622	-0.0040	13	-9 41 11.02	0.027	15	0.29	30.688	18	33.7	11.45	16	33.7	K0	J	11	103	A -10 95
13		8.7Q	29 34.291	0.0182	11	-5 27 15.54	-0.027	10	0.50	33.475	14	05.2	14.29	14	03.8	G5		GC	633K	B* -5 77
14		8.9A	29 46.936	-0.0003	12	-7 47 9.38	-0.020	12	0.25	46.941	16	33.7	9.05	16	33.7	K0		16	99	A -8 87
15		9.0A	29 47.435	-0.0005	09	-4 45 1.35	-0.084	09	0.22	47.442	16	33.7	59.98	16	33.7	G5		17	112	A -5 78
16		8.9A	30 2.281	0.0006	12	-6 28 58.66	-0.010	12	0.25	2.271	16	33.7	58.49	16	33.7	F2	R	16	100	A -7 75
17		9.0A	30 4.475	0.0002	12	-9 18 35.71	0.007	11	0.24	4.472	16	33.7	35.83	16	33.7	F5		16	101	A -9 97
18		8.5A	30 15.779	0.0004	09	-0 43 16.72	-0.016	11	0.22	15.773	17	37.2	16.52	17	37.2	K0		21	79	A -1 58
19		9.2A	30 33.268	0.0062	09	-1 8 36.65	-0.026	11	0.22	33.189	17	37.2	36.32	17	37.2	K0		21	80	A -1 59
20		7.5T	30 38.290	-0.0014	08	-4 7 25.45	-0.001	07	0.44	38.367	14	94.0	25.37	14	92.2	K0		GC	654	-4 59
21		9.0A	30 46.790	-0.0001	12	-6 40 8.69	-0.002	12	0.25	46.791	16	33.7	8.67	16	33.7	MA		16	102	A -7 77
22		8.7A	30 51.844	0.0003	09	-4 19 8.35	-0.069	09	0.22	51.839	16	33.7	7.22	16	33.7	F8		17	114	A -4 60
23		7.1T	30 55.579	-0.0005	06	-0 53 2.48	-0.015	06	0.35	55.604	12	95.9	1.62	12	93.0	A3		GC	656	-1 60
24		8.3A	31 4.829	-0.0012	09	-3 0 38.16	0.013	09	0.22	4.849	16	33.7	38.36	16	33.7	F0		17	115	A -3 64
25		8.5A	31 8.457	-0.0015	09	-0 37 39.62	-0.014	11	0.22	8.476	17	37.2	39.44	17	37.2	K0		21	82	A -1 62
26		9.3A	31 24.986	-0.0014	12	-8 59 42.87	-0.026	11	0.24	24.989	16	33.7	42.45	16	33.7	G0		16	103	A -9 103
27		8.6A	31 28.482	-0.0006	12	-7 22 15.25	-0.051	12	0.25	28.491	16	33.7	14.41	16	33.7	K0		16	104	A -7 80
28		8.5A	31 42.175	-0.0033	09	-2 40 19.87	-0.126	09	0.22	42.229	16	33.7	17.81	16	33.7	F8		17	116	A -3 67
29		8.6A	31 42.919	0.0002	11	-6 1 6.36	-0.016	11	0.23	42.917	16	33.7	6.09	16	33.7	F8		16	105	A -6 89
30		6.8T	31 54.703	-0.0059	15	-6 46 42.12	-0.093	12	0.79	55.032	15	94.5	36.84	17	93.5	F2		GC	679	-7 82
31		7.0T	31 56.533	0.0055	04	-4 49 19.73	0.006	04	0.28	56.205	10	90.5	20.10	10	85.7	G0		GC	680K	B* -5 83
32		8.8Q	31 57.491	0.0056	09	-4 49 6.02	-0.005	08	0.44	57.229	15	03.3	5.73	15	97.5	G0		GC	681K	-5 84
33		8.6A	32 6.012	0.0020	12	-8 34 23.38	0.001	11	0.24	5.979	16	33.7	23.41	16	33.7	F0		16	107	A -9 106
34		9.3A	32 8.993	0.0035	11	-2 50 15.20	-0.016	11	0.23	8.936	16	33.7	14.93	16	33.7	F8		17	119	A -3 68
35		9.0A	32 10.632	-0.0014	12	-8 45 23.61	-0.046	12	0.25	10.655	16	33.7	22.86	16	33.7	G5		16	108	A -9 107
36		9.1A	32 17.184	-0.0026	12	-9 9 14.69	-0.005	12	0.25	17.227	16	33.7	14.61	16	33.7	F8		16	109	A -9 109
37		8.5A	32 22.395	-0.0006	09	-1 35 6.97	-0.014	09	0.22	22.405	16	33.7	6.74	16	33.7	F8		17	120	A -2 75
38		8.8A	32 33.680	0.0056	12	-7 14 15.67	0.019	12	0.25	33.589	16	33.7	15.97	16	33.7	G5		16	110	A -7 84
39		5.2T	32 40.371	0.0274	02	-3 52 4.29	-0.021	02	0.09	39.058	04	02.1	3.24	04	00.5	G0		GC	696K	B* -4 62
40		8.8A	32 42.870	-0.0001	11	-3 2 56.62	-0.018	11	0.23	42.871	16	33.7	56.32	16	33.7	K2		17	122	A -3 69
41		9.3A	32 48.697	0.0022	13	-9 58 52.34	0.060	15	0.29	48.661	18	33.7	53.32	16	33.7	G5	J	11	109	A -10 108
42		9.0A	32 55.907	0.0015	09	-1 21 40.86	0.019	11	0.22	55.888	17	37.2	41.10	17	37.2	G5		21	86	A -1 67
43		5.9T	32 58.672	0.0089	03	-0 46 48.17	-0.058	02	0.14	58.212	06	98.5	45.13	06	97.4	F8		GC	701	B* -1 68
44		8.7A	32 58.761	-0.0015	12	-6 24 58.17	-0.012	12	0.25	58.785	16	33.7	57.97	16	33.7	G5		16	111	A -6 92
45		8.9A	32 58.765	0.0095	09	-2 20 29.55	-0.014	11	0.22	58.611	16	33.7	29.33	16	33.7	K0		17	124	A -2 76
46		8.7A	33 10.199	0.0024	12	-8 29 6.10	0.007	11	0.24	10.161	16	33.7	6.21	16	33.7	G0		16	112	A -9 111
47		9.3A	33 12.203	0.0022	12	-6 20 26.74	-0.048	12	0.25	12.167	16	33.7	25.95	16	33.7	F8		16	113	A -6 93
48		8.1A	33 14.635	0.0005	12	-8 10 36.45	-0.010	12	0.25	14.627	16	33.7	36.28	16	33.7	G5		16	114	A -8 93
49		8.6A	33 15.667	0.0002	09	-1 10 24.58	0.011	11	0.22	15.664	17	37.2	24.72	17	37.2	K2		21	88	A -1 70
50		9.0A	33 17.685	-0.0004	11	-5 57 28.10	0.004	11	0.23	17.693	16	33.7	28.16	16	33.7	G0		16	115	A -6 94
51		8.9A	0 33 24.911	-0.0007	09	-5 19 40.32	-0.002	09	0.22	24.923	16	33.7	40.28	16	33.7	K0		17	125	A -5 87
52		6.6T	33 28.352	0.0150	13	-5 50 39.83	-0.104	12	0.73	27.539	15	95.7	34.02	17	94.3	F5		GC	712	-6 96
53		9.1A	33 30.704	-0.0004	12	-6 2 4.79	-0.001	12	0.25	30.712	16	33.7	4.77	16	33.7	K2	R	16	118	A -6 97
54		9.0A	33 34.722	0.0034	12	-7 5 16.40	-0.027	12	0.25	34.666	16	33.7	15.97	16	33.7	K0		16	119	A -7 88
55		9.4A	33 36.855	-0.0035	12	-8 17 5.81	-0.081	12	0.25	36.913	16	33.7	4.48	16	33.7	G5		16	120	A -8 96
56		8.8A	33 49.871	-0.0018	12	-8 43 43.70	-0.019	12	0.25	49.901	16	33.7	43.39	16	33.7	K5		16	121	A -9 113
57		9.0A	33 50.736	0.0005	09	-0 51 25.60	-0.023	11	0.22	50.730	17	37.2	25.31	17	37.2	F8		21	91	A -1 71
58		8.4A	34 23.325	0.0041	12	-6 50 16.21	-0.061	12	0.25	23.258	16	33.7	15.21	16	33.7	F8		16	122	A -7 90
59		8.2Q	34 23.632	-0.0008	08	-3 40 31.58	-0.013	07	0.37	23.669	09	02.3	30.93	09	00.3	K0		GC	732	-4 64
60		8.5A	34 24.624	-0.0035	12	-6 23 2.59	-0.135	12	0.25	24.682	16	33.7	0.38	16	33.7	G0		16	123	A -6 101
61		9.0A	34 36.094	-0.0013	09	-1 8 26.17	-0.049	11	0.22	36.110	17	37.2	25.55	17	37.2	F5		21	94	A -1 73
62		9.3A	34 42.967	0.0008	09	-0 18 24.46	0.014	11	0.22	42.958	17	37.2	24.64	17	37.2	K0	R	21	95	A -0 91
63		9.2A	34 51.753	-0.0010	12	-8 4 23.13	0.012	12	0.25	51.770	16	33.7	23.33	16	33.7	A5		16	124	A -8 101
64		9.1A	35 1.628	-0.0001	09	-0 36 0.73	0.028	11	0.22	1.629	17	37.2	1.09	17	37.2	G0		21	96	A -1 74
65		8.2A	35 5.587	-0.0005	11	-9 20 53.50	-0.001	09	0.22	5.595	16	33.7	53.49	16	33.7	G0		16	125	A -9 117
66		9.0A	35 16.608	-0.0001	09	-4 49 45.12	-0.024	09	0.22	16.610	16	33.7	44.72	16	33.7	K2		17	127	A -5 94
67		8.8Q	35 24.128	0.0024	08	-6 16 21.04	0.019	08	0.43	24.012	15	01.0	21.98	15	99.6	F5		GC	751	-6 103
68		6.9T	35 31.026	-0.0032	03	-0 46 41.55	-0.005	02	0.17	31.203	05	94.3	41.25	06	89.2	K0		GC	752K	B* -1 75
69		8.9A	35 39.270	-0.0019	13	-1 59 7.43	-0.041	13	0.27	39.300	16	33.7	6.76	16	33.7	F0		17	128	A -2 81
70		9.3A	35 40.728	0.0061	12	-7 41 26.13	-0.010	12	0.25	40.628	16	33.7	25.96	16	33.7	G0		16	127	A -8 108
71		8.9A	35 45.436	0.0057	09	-1 13 47.45	-0.023	11	0.22	45.363	17	37.2	47.16	17	37.2	F8		21	99	A -1 76
72		8.9A	35 59.669	0.0001	12	-8 34 35.48	-0.559	11	0.24	59.668	16	33.7	26.36	16	33.7	F5		16	128	A -9 122
73		9.1A	36 25.492	-0.0001	09	-1 26 23.22	0.140	11	0.22	25.494	17	37.2	25.01	17	37.2	G5		21	103	A -1 77
74		8.7A	36 35.163	0.0033	09	-4 27 2.59	-0.014	09	0.22	35.109	16	33.7	2.36	16	33.7	K0		17	130	A -4 69
75		8.7A	36 36.482	0.0017	09	-4 16 2.24	0.002	09	0.22	36.455	16	33.7	2.27	16	33.7	B9		17	131	A -4 70
76		9.2A	36 38.968	-0.0016	09	-1 47 51.30	-0.019	11	0.22	38.994	16	33.7	50.99	16	33.7	G0		17	132	A -2 83
77		8.2A	36 45.462	0.0025	11	-2 14 31.02	-0.008	13	0.25	45.422	16	33.7	30.88	16	33.7	F0		17	133	A -2 84
78		8.0Q	37 4.882	0.0075	12	-3 21 26.54	-0.065	13	0.63	4.507	14	00.2	23.37	15	01.3	F5		GC	782	-3 79
79		8.8A	37 8.131	-0.0011	13	-5 11 23.50	0.014	13	0.27	8.148	16	33.7	23.72	16	33.7	F0		17	135	A -5 95
80		8.2A	37 12.458	-0.0022	12	-8 16 45.60	-0.066	12	0.25	12.493	16	33.7	44.52	16	33.7	G5		16	129	A -8 110
81		9.0A	37 14.652	0.0026	13	-5 32 36.86	0.014	13	0.27	14.610	16	33.7	37.08	16	33.7	G5		17	136	A -6 110
82		8.2A	37 27.821	-0.0005	12	-8 8 47.17	-0.002	12	0.25	27.829	16	33.7	47.15	16	33.7	K5		16	131	A -8 113
83		8.8A	37 31.903	-0.0005	13	-3 2 38.98	-0.010	13	0.27	31.911	16	33.7	38.81	16	33.7	K2		17	137	A -3 80
84		9.2A	37 37.898	0.0014	13	-9 12 22.45	-0.020	13	0.27	37.875	16	33.7	22.13	16	33.7	A5		16	132	A -9 129
85		9.0A	37 37.918	-0.0025	11	-4 21 35.95	-0.058	11	0.23	37.959	16	33.7	35.00	16	33.7	K0		17	138	A -4 74
86		9.3A	37 38.589	0.0024	12	-9 12 35.43	-0.005	12	0.25	38.550	16	33.7	35.35	16	33.7	A5		16	133	A -9 129
87		8.9A	37 49.601	-0.0009	12	-9 29 10.69	0.005	11	0.24	49.616	16	33.7	10.78	16	33.7	K7		16	134	A -10 129
88		7.8Q	37 51.737	0.0082	11	-7 55 46.31	-0.093	09	0.45	51.599	15	08.7	42.13	15	05.3	F8		GC	796	-8 114
89		8.3A	37 59.091	-0.0035	11	-2 2 40.36	-0.081	11	0.23	59.148	16	33.7	39.04	16	33.7	F5		17	139	A -2 87
90		9.0A	38 5.473	-0.0004	09	-4 37 14.04	-0.058	09	0.22	5.479	16	33.7	13.09	16	33.7	G8	F	17	140	A -5 100
91		6.1T	38 9.562	-0.0012	03	-4 37 33.72	-0.015	02	0.14	9.616	06	04.0	32.97	06	01.1	G5		GC	804	B* -5 101
92		7.0T	38 15.217	0.0006	09	-7 30 20.50	-0.100	05	0.37	15.190	15	03.2	15.14	12	96.1	G0		GC	807K	B* -8 117
93		9.0A	38 17.795	-0.0027	09	-1 14 11.37	0.016	11	0.22	17.829	17	37.2	11.58	17	37.2	F8		21	107	A -1 83
94		9.1A	38 19.584	-0.0016	11	-4 31 34.31	-0.030	11	0.23	19.610	16	33.7	33.82	16	33.7	G0		17	142	A -5 104
95		9.1A	38 23.294	0.0058	09	-0 33 8.55	0.037	11	0.22	23.221	17	37.2	9.02	17	37.2	F8		21	108	A -1 84
96		8.1A	38 23.704	0.0056	12	-7 23 18.59	0.044	12	0.25	23.613	16	33.7	19.32	16	33.7	G5		16	137	A -7 102
97		8.7A	38 24.134	-0.0017	13	-4 50 22.74	0.025	13	0.27	24.162	16	33.7	23.14	16	33.7	G0		17	143	A -5 105
98		9.0A	38 27.817	0.0145	09	-4 22 7.48	-0.109	09	0.22	27.581	16	33.7	5.70	16	33.7	G5		17	144	A -4 79
99		8.9Q	38 37.331	0.0018	12	-1 47 38.68	-0.139	11	0.55	37.252	15	06.7	32.08	15	02.6	K0		GC	818	-2 91
00		8.3A	38 57.501	0.0017	09	-4 30 25.18	0.003	09	0.22	57.473	16	33.7	25.22	16	33.7	F0		17	146	A -5 107

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NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	EPOCH 1950 μ s	EPOCH 1950 σ_μ ″.001	EPOCH 1950 δ_{1950} ° ′ ″	EPOCH 1950 μ' ″	EPOCH 1950 σ'_μ ″.001	EPOCH 1950 σ_{1950} ″	ORIGINAL EPOCH α_2 s	ORIGINAL EPOCH σ ″.01	ORIGINAL EPOCH ep.	ORIGINAL EPOCH δ_2 ″	ORIGINAL EPOCH σ' ″.01	ORIGINAL EPOCH ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	DM NUMBER
1		8.6A	D 38 59.285	0.0015	11	-1 34 24.58	0.000	11	0.23	59.241	16	33.7	24.58	16	33.7	G0	17	147	A -2 93
2		9.0A	39 9.255	-0.0028	09	-0 9 40.58	-0.039	11	0.22	9.290	17	37.2	40.08	17	37.2	K2	21	112	A -0 101
3		9.4A	39 16.412	-0.0006	12	-6 18 3.87	-0.007	12	0.25	16.422	16	33.7	3.75	16	33.7	F5	16	138	A -6 115
4		8.0A	39 18.943	-0.0001	12	-8 21 46.63	0.005	12	0.25	18.945	16	33.7	46.91	16	33.7	K0	16	139	A -8 119
5		9.0A	39 21.030	0.0016	09	-4 14 27.18	0.008	09	0.22	21.005	16	33.7	27.30	16	33.7	K2	17	148	A -4 83
6		9.1A	39 22.839	0.0086	09	-0 17 47.34	0.020	11	0.22	22.806	17	37.2	47.60	17	37.2	F2	21	114	A -0 103
7		8.8A	39 29.353	-0.0010	15	-9 55 19.20	-0.019	17	0.31	29.369	18	33.7	18.90	16	33.7	K3 J	11	130	A -10 136
8		9.0A	39 34.341	0.0001	09	-1 28 40.20	0.036	11	0.22	34.340	17	37.2	40.66	17	37.2	K0	21	117	A -1 86
9		8.3A	39 36.205	0.0084	09	-3 19 42.18	-0.140	09	0.22	36.051	16	33.7	39.89	16	33.7	G5	17	150	A -3 86
10		8.6A	39 38.942	0.0036	12	-6 31 14.66	-0.019	12	0.25	38.883	16	33.7	14.36	16	33.7	F8	16	140	A -7 106
11		9.0A	39 41.930	-0.0022	12	-5 54 17.60	-0.026	12	0.25	41.966	16	33.7	17.17	16	33.7	K2	16	141	A -6 116
12		9.0A	39 54.881	-0.0042	09	-0 22 30.08	-0.062	11	0.22	54.714	17	37.2	29.27	17	37.2	F8	21	118	A -0 104
13		8.8A	40 3.534	0.0043	09	-0 37 7.25	0.037	11	0.22	3.479	17	37.2	7.72	17	37.2	K0	21	119	A -1 87
14		9.0A	40 4.630	0.0012	09	-2 29 14.69	-0.007	09	0.22	4.611	16	33.7	14.57	16	33.7	F2	17	151	A -3 87
15		9.0A	40 5.482	-0.0035	12	-7 8 16.12	-0.017	12	0.25	5.539	16	33.7	15.84	16	33.7	G0	16	142	A -7 107
16		7.4T	40 28.678	0.0039	07	-4 7 48.53	0.005	06	0.39	28.464	12	95.4	48.81	12	93.0	F2	GC	854	-4 85
17		7.5T	40 46.401	0.0025	11	-6 36 39.13	-0.015	10	0.61	46.266	15	95.4	38.28	15	94.9	K0	GC	857	-7 109
18		8.9A	40 50.144	0.0199	11	-9 35 24.77	0.057	09	0.22	49.820	16	33.7	25.70	16	33.7	K0	16	144	A -10 142
19		9.2G	40 51.528	-0.0068	11	-1 9 55.65	-0.229	10	0.54	51.863	14	00.5	43.70	12	97.8	G5	GC	859K	B* -1 88
20		9.5G	41 0.146	-0.0010	17	-6 41 9.84	-0.020	14	0.78	0.195	21	02.4	8.85	19	01.4	K5	GC	864	-7 110
21		9.0A	41 12.575	0.0027	12	-7 51 27.98	-0.044	12	0.25	12.531	16	33.7	27.27	16	33.7	F8	16	146	A -8 126
22		8.9A	41 16.935	-0.0010	09	-3 21 10.17	-0.004	11	0.22	16.950	16	33.7	10.10	16	33.7	K0	17	153	A -3 91
23		9.0A	41 25.189	-0.0070	11	-7 48 18.48	-0.182	11	0.23	25.284	16	33.7	15.52	16	33.7	G0	16	147	A -8 128
24		8.8A	41 35.244	-0.0022	09	-2 31 9.43	-0.020	11	0.22	35.279	16	33.7	9.10	16	33.7	MA	17	154	A -3 92
25		8.9A	41 41.300	-0.0021	18	-9 50 31.20	0.027	20	0.35	41.334	18	33.7	31.64	16	33.7	G5 J	11	140	A -10 150
26		7.9A	41 41.529	-0.0003	12	-6 9 41.67	-0.005	12	0.25	41.535	16	33.7	41.58	16	33.7	A3	16	148	A -8 129
27		8.5A	41 46.744	0.0012	09	-4 40 21.40	-0.026	09	0.22	46.725	16	33.7	20.97	16	33.7	F8	17	155	A -5 116
28		9.0A	41 55.187	0.0006	09	-0 59 29.54	-0.006	11	0.22	55.160	17	37.2	29.47	17	37.2	K2	21	127	A -1 90
29		8.4A	41 57.937	0.0032	12	-5 53 59.10	-0.015	12	0.25	57.885	16	33.7	58.85	16	33.7	G5	16	149	A -6 124
30		9.1A	42 26.622	0.0009	09	-2 24 18.54	0.013	09	0.22	26.608	16	33.7	18.75	16	33.7	F8	17	156	A -2 100
31		9.5A	42 30.671	0.0016	13	-1 25 10.40	0.091	13	0.27	30.846	16	33.7	11.89	16	33.7	F5 F	17	157	A -1 92
32		7.1T	42 36.264	0.0174	06	-0 1 10.01	-0.055	06	0.31	35.400	07	00.4	7.19	09	98.4	F8	GC	901	-0 109
33		8.9A	42 40.843	-0.0005	12	-8 26 8.75	-0.029	12	0.25	40.851	16	33.7	8.29	16	33.7	K2	16	150	A -8 134
34		8.8A	42 47.604	0.0003	09	-5 16 57.34	0.012	09	0.22	47.598	16	33.7	57.53	16	33.7	K2	17	158	A -5 119
35		6.4T	42 51.284	0.0016	04	-4 54 10.68	0.038	04	0.24	51.210	12	04.3	12.86	12	97.4	K0	GC	905	B* -5 120
36		8.9A	42 55.311	0.0004	18	-9 49 4.51	0.031	20	0.35	55.305	18	33.7	5.02	16	33.7	G0 J	11	143	A -10 155
37		9.2A	42 57.722	-0.0008	12	-7 41 17.49	0.019	12	0.25	57.734	16	33.7	17.79	16	33.7	K2 R	16	151	A -8 135
38		9.0A	43 5.053	0.0020	09	-0 39 27.21	0.002	11	0.22	5.028	17	37.2	27.24	17	37.2	F8	21	131	A -1 93
39		8.9A	43 10.740	-0.0007	09	-3 57 47.49	-0.007	09	0.22	10.751	16	33.7	47.37	16	33.7	F5	17	161	A -4 92
40		8.8A	43 11.199	0.0035	09	-1 27 29.09	0.027	11	0.22	11.155	17	37.2	29.44	17	37.2	F5	21	132	A -1 94
41		9.0A	43 19.792	-0.0022	09	-2 43 16.84	-0.032	11	0.22	19.828	16	33.7	16.31	16	33.7	F8	17	162	A -3 97
42		9.0A	43 21.965	0.0035	09	-1 4 33.98	0.019	11	0.22	21.920	17	37.2	34.23	17	37.2	K2	21	134	A -1 95
43		8.9A	43 34.487	0.0150	12	-5 55 0.09	0.064	12	0.25	34.242	16	33.7	1.13	16	33.7	G0	16	152	A -6 131
44		8.9A	43 41.164	-0.0003	11	-8 36 16.86	-0.005	09	0.22	41.169	16	33.7	16.78	16	33.7	K5	16	153	A -9 150
45		8.7A	43 43.778	0.0025	12	-6 50 21.97	0.007	12	0.25	43.737	16	33.7	22.08	16	33.7	F5	16	154	A -7 117
46		9.0A	43 47.669	-0.0006	15	-9 44 17.33	-0.013	17	0.31	47.678	18	33.7	17.12	16	33.7	A5 J	11	147	A -10 158
47		8.6A	43 55.198	0.0031	12	-6 57 29.91	-0.002	12	0.25	55.147	16	33.7	29.89	16	33.7	F5	16	155	A -7 118
48		8.9A	43 57.674	0.0042	13	-1 46 52.41	-0.004	13	0.27	57.605	16	33.7	52.34	16	33.7	G0	17	163	A -2 104
49		8.6A	43 59.592	-0.0035	15	-9 50 49.58	-0.056	17	0.31	59.650	18	33.7	48.67	16	33.7	K0 J	11	148	A -10 159
50		8.9A	44 0.399	0.0016	09	-1 6 30.44	-0.020	11	0.22	0.378	17	37.2	30.19	17	37.2	F0	21	136	A -1 97
51		9.0A	D 44 4.559	0.0006	13	-2 23 40.22	-0.032	13	0.27	4.551	16	33.7	39.69	16	33.7	F8	17	164K	A -2 105
52		7.7T	44 7.677	0.0004	09	-4 41 46.52	-0.250	09	0.50	7.654	10	95.6	32.25	10	93.0	G5	GC	930	-5 124
53		9.0A	44 10.291	0.0000	09	-2 47 53.54	0.028	09	0.22	10.290	16	33.7	53.99	16	33.7	G0	17	166	A -3 98
54		8.5A	44 27.559	0.0032	11	-1 31 28.48	-0.027	11	0.23	27.475	16	33.7	28.03	16	33.7	F8	17	167K	A -2 106
55		8.8A	44 37.868	-0.0021	09	-1 25 46.96	-0.065	11	0.22	37.896	17	37.2	46.14	17	37.2	G5	21	140	A -1 99
56		8.7A	44 55.670	0.0026	11	-8 41 25.64	-0.010	09	0.22	55.829	16	33.7	25.49	16	33.7	K2	16	156	A -9 153
57		7.3T	45 3.715	0.0013	12	-2 35 41.33	-0.000	11	0.52	3.654	09	03.8	41.33	09	03.6	K5	GC	944	-3 99
58		9.2A	45 6.001	0.0011	09	-4 46 14.13	-0.006	09	0.22	5.983	16	33.7	14.03	16	33.7	A2	17	170	A -5 128
59		8.2G	45 19.976	-0.0042	09	-6 15 53.36	-0.012	08	0.44	20.189	14	00.1	52.74	14	99.6	K0	GC	953	-6 139
60		9.1A	45 20.906	0.0002	09	-1 52 33.58	0.021	11	0.22	20.904	16	33.7	33.92	16	33.7	M1 F	17	171	A -2 109
61		8.1T	45 25.206	0.0129	12	-9 37 18.80	0.221	10	0.55	24.621	15	04.5	29.67	15	00.9	F5	GC	954	-10 164
62		8.4A	45 26.780	-0.0002	09	-0 30 54.11	-0.023	11	0.21	26.783	17	37.9	53.83	17	37.9	G5	21	141	A -1 101
63		8.0A	45 30.960	0.0007	09	-3 59 4.74	-0.011	09	0.22	30.948	16	33.7	4.55	16	33.7	K0	17	172	A -4 95
64		9.2A	45 36.502	0.0013	11	-3 34 45.92	0.003	11	0.23	36.481	16	33.7	45.96	16	33.7	A3	17	173	A -4 96
65		8.0A	45 46.597	0.0008	09	-0 45 41.60	-0.044	11	0.21	46.568	17	37.9	41.07	17	37.9	K0	21	142	A -1 102
66		9.0A	46 4.085	0.0009	09	-4 8 35.45	0.010	09	0.22	4.070	16	33.7	35.61	16	33.7	F5	17	175	A -4 97
67		8.8A	46 42.533	-0.0000	11	-6 26 32.64	-0.010	11	0.23	42.534	16	33.7	32.47	16	33.7	K0	16	159	A -6 141
68		8.5A	46 44.448	0.0014	09	-1 53 54.05	0.036	11	0.22	44.425	16	33.7	54.64	16	33.7	A3	17	176	A -2 111
69		9.1A	46 52.933	-0.0017	13	-3 40 36.05	0.002	13	0.27	52.960	16	33.7	36.08	16	33.7	K0	17	177	A -4 100
70		9.0A	47 4.178	-0.0020	13	-3 18 8.84	-0.042	13	0.27	4.210	16	33.7	8.15	16	33.7	G5	17	178	A -3 105
71		8.0G	47 12.640	0.0001	10	-8 7 17.62	0.003	07	0.43	12.637	17	03.9	17.80	15	98.5	K0	GC	994	-8 145
72		9.0A	47 13.079	-0.0004	09	-0 0 44.51	-0.025	11	0.21	13.083	17	37.9	44.20	17	37.9	G0 R	21	146	A -0 120
73		9.1A	47 16.327	0.0014	12	-8 14 49.32	0.003	12	0.25	16.304	16	33.7	49.38	16	33.7	K0	16	161	A -8 146
74		6.8T	47 21.220	0.0021	06	-0 29 45.70	0.013	06	0.25	21.127	06	06.5	46.27	06	07.1	K0	GC	997	-1 104
75		9.1A	47 26.612	-0.0004	13	-4 17 18.82	-0.039	13	0.27	26.618	16	33.7	18.18	16	33.7	F8	17	179	A -4 102
76		9.0A	47 42.284	0.0116	12	-6 27 58.40	-0.048	12	0.25	42.035	16	33.7	57.61	16	33.7	G0	16	162	A -6 145
77		8.5A	47 50.760	0.0038	13	-5 23 50.55	0.116	13	0.27	50.698	16	33.7	52.47	16	33.7	F8	17	180	A -5 134
78		8.9A	47 54.942	-0.0008	12	-5 46 5.78	-0.009	12	0.25	54.956	16	33.7	5.63	16	33.7	A5	16	164	A -6 146
79		8.0A	47 59.243	-0.0005	13	-5 35 10.28	0.006	13	0.27	59.251	16	33.7	10.35	16	33.7	F0	17	181	A -6 148
80		8.5A	48 6.361	-0.0030	09	-0 21 2.09	-0.135	11	0.21	6.418	17	37.9	0.46	17	37.9	G0	21	151	A -0 123
81		8.4A	48 14.225	0.0084	11	-2 11 34.84	-0.059	11	0.23	14.185	16	33.7	33.86	16	33.7	F8	17	182	A -2 112
82		9.1A	48 17.579	-0.0084	11	-2 37 14.97	-0.058	11	0.23	17.718	16	33.7	14.02	16	33.7	G5	17	183	A -3 109
83		9.0A	48 19.629	-0.0050	09	-0 36 50.71	0.015	11	0.21	19.680	17	37.9	50.89	17	37.9	F8 R	21	152	A -1 106
84		9.3A	48 22.588	-0.0005	12	-9 21 53.72	0.003	12	0.25	22.598	16	33.7	53.77	16	33.7	K5	16	166	A -9 167
85		9.0A	48 31.427	0.0004	09	-1 16 33.15	-0.028	11	0.21	31.423	17	37.9	32.84	17	37.9	K2 R	21	153	A -1 107
86		8.8T	48 37.451	0.0165	10	-5 18 34.49	-0.129	10	0.53	36.613	14	99.1	27.85	15	98.6	G0	GC	1023	-5 138
87		8.5A	48 40.016	0.0046	11	-5 27 18.04	-0.059	11	0.23	39.942	16	33.7	17.40	16	33.7	F8	17	185	A -5 139
88		8.8A	48 42.970	-0.0005	09	-0 48 28.64	-0.009	11	0.21	42.976	17	37.9	26.53	17	37.9	K0	21	154	A -1 108
89		7.1T	48 48.616	-0.0017	07	-9 40 39.59	0.002	07	0.41	48.713	15	94.2	39.73	15	92.5	F2	GC	1027	-10 173
90		9.2A	48 54.883	0.0015	09	-1 33 21.68	0.021	11	0.21	54.645	17	37.9	21.93	17	37.9	G0 R	21	157	A -2 114
91		7.0T	48 59.736	0.0014	11	-3 24 53.96	-0.018	10	0.60	59.656	15	94.2	52.95	15	94.5	A0	GC	1030	-3 113
92		8.5A	49 4.485	-0.0019	09	-0 45 34.04	-0.042	11	0.21	4.488	17	37.9	33.53	17	37.9	K0	21	158	A -1 109
93		7.8A	49 5.699	0.0012	12	-9 5 24.34	0.006	11	0.24	5.680	16	33.7	24.47	16	33.7	K0	16	168	A -9 171
94		8.5A	49 12.222	0.0029	12	-6 22 18.83	0.012	13	0.28	12.175	16	33.7	19.02	16	33.7	F0	16	169	A -6 151
95		9.1A	49 14.603	0.0018	12	-5 50 58.27	-0.007	12	0.25	14.574	16	33.7	58.15	16	33.7	F8	16	170	A -6 152
96		8.5A	49 16.237	0.0008	13	-4 21 28.12	-0.058	13	0.27	16.225	16	33.7	27.17	16	33.7	F0	17	187	A -4 105
97		8.8G	49 18.741	0.0033	09	-9 28 17.05	0.029	06	0.41	18.596	18	05.7	18.57	17	96.8	G0	GC	1034K	B* -8 154
98		8.9A	49 22.821	-0.0002	12	-7 23 47.44	0.005	12	0.25	22.824	16	33.7	47.53	16	33.7	K5	16	172	A -7 130
99		9.1A	49 28.988	-0.0001	11	-2 22 26.52	-0.010	13	0.25	28.990	16	33.7	26.36	16	33.7	K2 F	17	188	A -2 117
00		8.6A	49 39.279	0.0012	12	-6 16 21.17	0.005	12	0.25	39.259	16	33.7	21.24	16	33.7	F5	16	173	A -6 153

129000

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	EPOCH 1950 μ s	EPOCH 1950 σ_μ ″.001	EPOCH 1950 δ_{1950} ° ′ ″	EPOCH 1950 μ' ″	EPOCH 1950 σ'_μ ″.001	EPOCH 1950 σ_{1950} ″	ORIGINAL EPOCH α_2 s	ORIGINAL EPOCH σ ″.01	ORIGINAL EPOCH ep.	ORIGINAL EPOCH δ_2 ″	ORIGINAL EPOCH σ' ″.01	ORIGINAL EPOCH ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	- 00 0H DM	NUMBER
1		9.0A	0 49 43.467	0.0006	09	-0 38 8.30	-0.006	11	0.21	43.460	17	37.9	8.23	17	37.9	K0 R	21	159K	A -1	110
2		9.0A	49 49.167	0.0024	13	-2 45 37.80	-0.016	13	0.27	49.128	16	33.7	37.53	16	33.7	G5	17	189	A -3	114
3		9.3A	49 50.972	-0.0004	12	-1 22 43.92	0.052	12	0.25	50.979	16	33.7	44.77	16	33.7	F8 F	17	190	A -1	111
4		9.0A	50 14.849	0.0031	12	-8 35 44.11	0.001	11	0.24	14.799	16	33.7	44.13	16	33.7	G5	16	174	A -9	175
5		8.7Q	50 17.801	-0.0019	13	-2 10 19.83	-0.025	13	0.67	17.895	14	00.2	18.55	14	99.1	G5	GC	1053	-2	118
6		8.8A	50 20.470	-0.0020	09	-2 54 58.77	0.005	09	0.22	20.502	16	33.7	58.85	16	33.7	K0	17	192	A -3	119
7		8.5A	50 20.502	-0.0020	09	-0 39 8.57	-0.031	11	0.21	20.527	17	37.9	8.19	17	37.9	G0	21	161	A -1	113
8		9.0A	50 20.855	-0.0019	09	-0 43 8.39	-0.013	11	0.21	20.878	17	37.9	8.23	17	37.9		21	162	A -1	112
9		4.9H	50 27.048	0.0004	01	-1 24 55.53	-0.013	01	0.04	27.035	02	17.4	55.06	02	13.8	K0	F4	1022	-1	114
10		8.8A	50 28.600	-0.0022	12	-9 33 12.17	-0.065	12	0.25	28.637	16	33.7	11.12	16	33.7	F0	16	175	A -10	180
11		8.3A	50 33.964	-0.0008	12	-5 53 27.58	-0.033	12	0.25	33.977	16	33.7	27.04	16	33.7	K0	16	176	A -6	156
12		9.1A	50 44.393	-0.0032	12	-5 55 40.32	-0.003	12	0.25	44.445	16	33.7	40.27	16	33.7	G0	16	177	A -6	157
13		8.9A	50 49.420	0.0001	09	-1 2 48.26	-0.016	11	0.21	49.420	17	37.9	48.07	17	37.9	K0 R	21	164	A -1	115
14		9.5A	50 52.440	-0.0031	12	-6 1 35.60	-0.046	12	0.25	52.490	16	33.7	34.85	16	33.7	G0	16	178	A -6	158
15		6.6T	51 8.451	0.0059	09	-4 47 47.94	0.002	09	0.49	8.154	15	99.8	48.02	15	00.2	G5	GC	1073	-5	147
16		8.3A	51 11.377	-0.0005	12	-8 34 45.37	0.003	11	0.24	11.386	16	33.7	45.42	16	33.7	G0	16	179	A -9	180
17		9.0A	51 17.874	-0.0024	12	-6 14 19.77	-0.011	11	0.24	17.913	16	33.7	19.58	16	33.7	F5	16	180	A -6	159
18		8.7A	51 29.052	0.0062	12	-9 35 37.39	0.009	12	0.25	28.951	16	33.7	37.54	16	33.7	K0	16	181	A -10	183
19		6.4T	51 46.152	0.0009	04	-9 0 39.81	-0.048	03	0.23	46.109	12	00.0	37.05	10	92.1	G0	GC	1082	B* -9	181
20		8.8A	51 58.495	-0.0017	09	-0 39 16.02	0.000	11	0.21	58.516	17	37.9	16.02	17	37.9	K0	21	166	A -1	116
21		8.9A	52 11.469	0.0038	12	-7 30 33.77	0.002	12	0.25	11.406	16	33.7	33.81	16	33.7	F5	16	183	A -8	163
22		9.0A	52 16.142	0.0022	11	-1 49 42.02	-0.014	11	0.23	16.107	16	33.7	41.79	16	33.7	G0	17	195	A -2	123
23		9.3A	52 24.018	-0.0017	12	-3 14 52.62	0.019	12	0.25	24.045	16	33.7	52.92	16	33.7	G	17	196	A -3	124
24		9.2A	52 34.594	0.0019	11	-4 6 55.32	-0.029	11	0.23	34.564	16	33.7	54.84	16	33.7	F8	17	197	A -4	111
25		8.8A	52 38.483	0.0108	12	-5 42 18.47	-0.063	12	0.25	38.307	16	33.7	17.44	16	33.7	F5	16	184	A -6	162
26		8.6A	52 40.199	0.0024	11	-1 46 26.54	-0.019	11	0.23	40.161	16	33.7	26.23	16	33.7	K0	17	198	A -2	124
27		9.0A	52 44.046	0.0006	12	-6 36 31.11	0.002	12	0.25	44.035	16	33.7	31.14	16	33.7	K0	16	185	A -7	138
28		9.1A	52 56.987	0.0006	12	-6 41 6.00	-0.017	12	0.25	56.976	16	33.7	5.73	16	33.7	A0	16	186	A -7	142
29		7.7A	52 59.505	-0.0004	09	-0 15 1.53	-0.041	11	0.21	59.509	17	37.9	1.04	17	37.9	K0	21	169	A -0	139
30		8.5A	53 8.936	0.0005	11	-8 19 25.09	-0.005	11	0.23	8.929	16	33.7	25.02	16	33.7	F0	16	187	A -8	165
31		8.7A	53 9.179	0.0001	13	-4 15 48.99	0.001	13	0.27	9.178	16	33.7	49.00	16	33.7	A0	17	199	A -4	112
32		6.0T	53 10.730	-0.0004	07	-7 37 2.07	-0.044	05	0.38	10.758	14	84.7	59.56	10	93.6	K2	GC	1103	-8	167
33		9.0A	53 13.139	0.0013	09	-1 3 54.82	0.011	11	0.21	13.124	17	37.9	54.95	17	37.9	K2	21	170	A -1	118
34		8.9A	53 29.271	0.0023	12	-5 43 57.81	-0.061	12	0.25	29.234	16	33.7	56.81	16	33.7	G0	16	189	A -6	165
35		7.3A	53 29.334	0.0012	09	-4 0 30.65	-0.017	09	0.22	29.315	16	33.7	30.37	16	33.7	F5	17	200	A -4	114
36		9.0A	53 31.707	-0.0022	17	-9 54 9.25	0.017	18	0.33	31.744	18	33.7	9.53	16	33.7	G0 J	11	181	A -10	190
37		9.0A	53 32.670	0.0032	09	-0 39 31.62	-0.029	11	0.21	32.632	17	37.9	31.27	17	37.9	G5	21	171	A -1	119
38		7.6A	53 36.804	0.0002	12	-8 17 36.94	-0.012	12	0.25	36.800	16	33.7	36.74	16	33.7	F8	16	190	A -8	168
39		8.0A	53 41.024	0.0097	12	-7 50 48.21	-0.092	12	0.25	40.867	16	33.7	46.72	16	33.7	F5	16	191	A -8	169
40		9.1A	53 49.789	-0.0010	17	-9 57 37.91	0.000	18	0.33	49.805	18	33.7	37.91	16	33.7	K5 J	11	185	A -10	192
41		9.0A	53 52.890	-0.0011	12	-5 37 28.83	-0.004	12	0.25	52.909	16	33.7	28.76	16	33.7	G0	17	201	A -6	167
42		8.5A	53 55.892	0.0048	12	-6 59 30.35	-0.007	12	0.25	55.813	16	33.7	30.23	16	33.7	F5	16	193	A -7	146
43		9.0A	53 57.847	-0.0028	12	-6 51 51.45	-0.066	12	0.25	57.893	16	33.7	50.37	16	33.7	F8	16	194	A -7	147
44		7.0T	54 14.015	-0.0008	11	-2 59 58.57	-0.030	10	0.62	14.058	15	93.8	56.88	15	93.8	F0	GC	1126	-3	132
45		9.0A	54 26.776	0.0011	09	-0 44 32.51	0.003	11	0.21	26.763	17	37.9	32.55	17	37.9	F8	21	176	A -1	121
46		8.3A	54 46.719	-0.0025	12	-6 22 48.50	0.002	12	0.25	46.760	16	33.7	48.53	16	33.7	G5	16	195	A -6	170
47		8.9A	54 47.766	-0.0183	11	-2 5 1.37	-0.197	13	0.25	48.064	16	33.7	58.16	16	33.7	K0 F	17	203	A -2	129
48		9.2A	54 54.376	0.0007	12	-6 22 24.64	-0.024	12	0.25	54.365	16	33.7	24.25	16	33.7	K5 R	16	196	A -6	171
49		8.9A	55 13.107	0.0041	13	-2 16 31.80	-0.002	13	0.27	13.041	16	33.7	31.77	16	33.7	F5	17	204	A -2	130
50		6.6T	55 16.942	0.0022	13	-2 2 10.20	-0.013	12	0.73	16.816	17	93.3	9.46	17	93.3	G5	GC	1154	-2	131
51		8.5A	0 55 20.621	-0.0010	09	-4 30 51.11	-0.023	09	0.22	20.638	16	33.7	50.73	16	33.7	F8	17	206	A -5	160
52		8.7A	55 26.834	0.0001	09	-1 1 3.78	-0.002	11	0.21	26.833	17	37.9	3.76	17	37.9	K2 R	21	180	A -1	122
53		8.5A	55 39.423	0.0013	13	-2 50 39.08	-0.000	13	0.27	39.401	16	33.7	39.07	16	33.7	K0	17	207	A -3	135
54		8.2A	55 54.380	0.0057	11	-1 55 54.99	-0.132	13	0.25	54.288	16	33.7	52.83	16	33.7	G5	17	208	A -2	132
55		9.2A	56 3.831	0.0009	12	-6 25 9.75	-0.019	12	0.25	3.817	16	33.7	9.44	16	33.7	F8	16	197	A -6	174
56		6.7H	56 13.724	0.0004	02	-6 9 5.03	-0.077	02	0.08	13.715	04	23.8	2.86	04	21.7	K0	F4	1024	-6	176
57		9.2A	56 14.882	0.0017	12	-8 1 11.14	-0.005	12	0.25	14.854	16	33.7	11.07	16	33.7	G5	16	199K	A -8	174
58		9.5A	56 29.013	0.0009	12	-9 36 22.95	-0.015	12	0.25	28.999	16	33.7	22.71	16	33.7	F	16	200	A -10	204
59		7.8A	56 29.966	-0.0010	13	-2 43 22.89	-0.015	13	0.27	29.983	16	33.7	22.64	16	33.7	K2	17	209	A -3	136
60		8.5A	56 33.429	0.0006	09	-0 24 51.73	-0.001	11	0.21	33.422	17	37.9	51.72	17	37.9	K0	21	183	A -0	149
61		8.9A	56 35.502	0.0024	11	-2 22 5.64	-0.079	11	0.23	35.463	16	33.7	4.35	16	33.7	G0	17	210	A -2	134
62		8.9A	56 37.972	0.0004	13	-2 40 29.54	-0.020	13	0.27	37.965	16	33.7	29.21	16	33.7	K2	17	211	A -3	137
63		8.2A	56 46.897	0.0027	09	-0 56 37.50	-0.038	11	0.21	46.864	17	37.9	37.04	17	37.9	F5	21	185K	A -1	124
64		8.8A	57 0.853	-0.0003	09	-5 22 13.37	-0.004	09	0.22	0.857	16	33.7	13.30	16	33.7	K2	17	213	A -5	163
65		8.7A	57 1.491	0.0068	09	-1 27 43.15	0.109	11	0.21	1.409	17	37.9	44.47	17	37.9	G5	21	188K	A -1	125
66		8.8A	57 2.622	0.0072	13	-1 35 44.81	0.013	13	0.27	2.506	16	33.7	45.03	16	33.7	G0	17	214	A -2	135
67		8.3A	57 8.652	0.0008	13	-4 43 43.94	-0.126	13	0.27	8.639	16	33.7	41.88	16	33.7	F8	17	215	A -5	165
68		9.6A	57 9.401	-0.0017	12	-8 28 0.54	-0.088	12	0.25	9.428	16	33.7	59.10	16	33.7	G0 R	16	202	A -8	176
69		7.8A	57 9.727	-0.0001	13	-4 35 27.01	-0.000	13	0.27	9.729	16	33.7	27.00	16	33.7	K0	17	216	A -5	166
70		7.5T	57 19.363	0.0040	16	-8 35 35.72	0.022	13	0.71	19.182	18	04.2	36.78	17	02.4	G5	GC	1194	-9	196
71		8.3A	57 21.288	-0.0014	09	-5 27 11.48	-0.030	09	0.22	21.310	16	33.7	10.99	16	33.7	G5	17	217	A -5	168
72		7.2T	57 30.282	0.0037	10	-2 17 16.71	-0.058	06	0.47	30.071	17	93.4	13.71	15	98.2	F5	GC	1196K	-2	136
73		9.0A	57 32.184	0.0005	13	-1 47 38.43	0.023	13	0.27	32.176	16	33.7	38.80	16	33.7	F8	17	219	A -2	137
74		9.3A	57 37.507	-0.0009	12	-9 5 57.13	0.018	11	0.24	37.522	16	33.7	57.43	16	33.7	F8	16	205	A -9	197
75		9.0A	57 39.035	-0.0021	09	-1 20 56.65	0.020	11	0.21	39.060	17	37.9	56.39	17	37.9	G0 R	21	193	A -1	128
76		7.0T	58 7.163	0.0005	10	-1 55 39.50	-0.028	09	0.48	7.137	09	01.3	38.11	10	00.5	MB	GC	1209	-2	140
77		8.5Q	58 16.161	-0.0004	12	-1 17 27.36	-0.012	08	0.46	16.176	17	08.1	26.80	17	02.4	K2	GC	1216	-1	131
78		7.6T	58 19.286	0.0006	12	-9 38 34.87	0.003	10	0.61	19.257	18	98.2	35.05	17	96.1	A3	GC	1217	-10	209
79		9.0A	58 19.871	0.0061	09	-1 8 17.50	0.023	11	0.21	19.797	17	37.9	17.78	17	37.9	F8	21	196	A -1	132
80		8.8A	58 24.950	-0.0027	11	-1 50 58.60	-0.019	11	0.23	24.995	16	33.7	58.29	16	33.7	F8	17	222	A -2	143
81		7.5A	58 29.406	-0.0007	09	-4 55 0.31	-0.061	09	0.22	29.419	16	33.7	59.31	16	33.7	F8	17	223	A -5	171
82		8.9A	58 34.575	-0.0010	11	-1 58 31.88	-0.026	11	0.23	34.592	16	33.7	31.46	16	33.7	G5	17	224	A -2	144
83		9.0A	58 45.443	0.0063	09	-4 41 0.57	-0.064	09	0.22	45.341	16	33.7	59.52	16	33.7	K0	17	225	A -5	172
84		8.5A	58 50.377	-0.0013	13	-5 35 20.95	-0.011	13	0.27	50.398	16	33.7	20.77	16	33.7	F5	17	226	A -6	188
85		9.0A	58 56.452	-0.0024	09	-4 42 13.32	-0.030	09	0.22	56.492	16	33.7	12.83	16	33.7	K0	17	227	A -5	173
86		8.7A	58 57.676	-0.0030	15	-9 41 54.40	-0.014	17	0.31	57.726	18	33.7	54.18	16	33.7	F5 J	11	202	A -10	212
87		8.6A	59 0.392	0.0061	09	-0 35 19.95	-0.007	11	0.21	0.319	17	37.9	19.87	17	37.9	F2	21	198	A -1	134
88		7.5A	59 2.595	0.0020	12	-7 4 6.43	-0.012	12	0.25	2.561	16	33.7	6.24	16	33.7	K2	16	208	A -7	159
89		9.0A	59 10.482	-0.0003	13	-3 52 10.25	0.018	13	0.27	10.488	16	33.7	10.54	16	33.7	K5	17	228	A -4	129
90		9.0A	59 35.217	-0.0010	12	-9 7 40.42	0.040	11	0.24	35.234	16	33.7	41.08	16	33.7	F8	16	210K	A -9	205
91		8.8A	59 52.362	-0.0001	11	-2 19 35.03	-0.013	11	0.23	52.363	16	33.7	34.82	16	33.7	F8	17	229K	A -2	148
92		8.9A	59 52.751	-0.0000	12	-6 58 27.76	-0.005	12	0.25	52.751	16	33.7	27.67	16	33.7	F8	16	211	A -7	165
93		9.0A	59 56.263	-0.0007	12	-8 17 37.98	-0.003	12	0.25	56.276	16	33.7	37.93	16	33.7	K2	16	212	A -8	182
94		5.7T	1 0 30.712	-0.0075	04	-5 6 12.94	-0.102	03	0.21	31.123	10	95.4	7.46	09	96.4	G5	GC	1262	B* -5	177
95		8.7A	0 52.426	0.0020	13	-1 45 48.25	-0.005	13	0.27	52.395	16	33.7	48.16	16	33.7	F5	17	231	A -2	154
96		9.0A	0 56.822	0.0054	12	-5 51 15.49	-0.026	12	0.25	56.735	16	33.7	15.06	16	33.7	G5	16	213	A -6	197
97		9.0A	1 1.661	0.0040	13	-3 29 58.77	-0.073	13	0.27	1.596	16	33.7	57.57	16	33.7	G8 F	17	232	A -4	134
98		9.0A	1 16.126	0.0008	13	-4 30 59.20	-0.031	13	0.27	16.114	16	33.7	58.69	16	33.7	G8 F	17	233	A -5	179
99		8.1A	1 20.120	0.0009	12	-9 23 49.38	-0.004	11	0.24	20.106	16	33.7	49.32	16	33.7	G5	16	214	A -9	210
00		9.0A	1 22.415	-0.0018	13	-2 9 20.97	-0.047	13	0.27	22.445	16	33.7	20.21	16	33.7	K0 F	17	234	A -2	155

129100

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	EPOCH 1950 μ s	EPOCH 1950 σ_μ ″.001	EPOCH 1950 δ_{1950} ° ′ ″	EPOCH 1950 μ' ″	EPOCH 1950 $\sigma_{\mu'}$ ″.001	EPOCH 1950 σ_{1950} ″	ORIGINAL EPOCH α_2 s	ORIGINAL EPOCH σ ″.01	ORIGINAL EPOCH ep.	ORIGINAL EPOCH δ_2 ″	ORIGINAL EPOCH σ' ″.01	ORIGINAL EPOCH ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	− 00 1H DM NUMBER
1		9.0A	1 1 30.416	0.0014	13	-4 21 38.95	-0.037	13	0.27	30.394	16	33.7	38.34	16	33.7	F5	17	235	A -4 136
2		9.0A	1 35.731	0.0001	09	-0 15 4.40	-0.026	11	0.21	35.730	17	37.9	4.09	17	37.9	F5	21	203	A -0 162
3		9.2A	1 42.051	0.0066	11	-8 27 3.08	-0.071	11	0.23	41.944	16	33.7	1.93	16	33.7	G5	16	215	A -8 185
4		9.3A	1 49.569	-0.0040	12	-8 57 59.95	-0.010	11	0.24	49.503	16	33.7	59.79	16	33.7	K0 R	16	216	A -9 213
5		8.5Q	1 52.284	-0.0008	08	-5 34 16.70	0.047	05	0.38	52.326	14	99.9	19.40	12	91.9	G0	GC	1294	-6 200
6		8.8A	1 54.215	-0.0127	11	-2 37 57.09	-0.117	11	0.23	54.423	16	33.7	55.17	16	33.7	G5	17	237	A -3 146
7		9.0A	2 2.895	0.0005	13	-3 29 47.67	-0.044	13	0.27	2.884	16	33.7	46.95	16	33.7	G0 F	17	238	A -4 139
8		7.8A	2 3.419	0.0009	09	-5 35 22.15	-0.025	09	0.22	5.404	16	33.7	21.74	16	33.7	F5	17	239	A -6 201
9		8.8Q	2 6.833	0.0022	17	-7 56 36.56	0.109	16	0.67	8.747	15	10.6	40.91	15	09.9	F8	GC	1295	-8 186
10		8.8Q	2 15.384	0.0004	08	-5 44 11.95	-0.003	05	0.42	15.364	18	96.2	11.73	15	85.0	F2	GC	1299K	-6 202
11		9.0Q	2 15.973	0.0046	20	-5 44 24.46	-0.000	13	0.83	15.760	21	03.4	24.44	18	98.5		GC	1300K	-6 202
12		8.5A	2 51.197	0.0031	13	-3 39 2.16	-0.045	13	0.27	51.147	16	33.7	1.42	16	33.7	G5	17	240	A -4 140
13		9.0A	3 2.331	0.0009	09	-0 26 18.57	-0.021	11	0.21	2.320	17	37.9	18.82	17	37.9	K0 R	21	207	A -0 168
14		9.0A	3 13.222	-0.0000	12	-6 7 25.74	-0.009	12	0.25	13.223	16	33.7	25.59	16	33.7	K2 R	16	222	A -6 204
15		9.5A	3 16.163	0.0009	12	-6 58 27.04	-0.024	13	0.26	16.147	16	33.7	26.64	16	33.7	G0 R	16	223	A -7 173
16		7.8A	3 26.970	-0.0014	12	-8 55 36.24	-0.015	11	0.24	26.992	16	33.7	36.00	16	33.7	K0	16	224	A -9 218
17		9.2A	3 27.127	-0.0021	11	-5 12 11.50	-0.036	11	0.23	27.161	16	33.7	10.91	16	33.7	F5	17	241	A -5 185
18		8.2A	3 27.970	0.0024	13	-4 34 25.00	-0.044	13	0.27	27.931	16	33.7	24.28	16	33.7	K0	17	242	A -5 186
19		9.0A	3 30.920	0.0004	11	-1 44 56.66	-0.012	11	0.23	30.914	16	33.7	56.46	16	33.7	K2 F	17	243	A -2 159
20		8.3A	3 41.715	0.0020	09	-0 31 57.00	0.017	11	0.21	41.691	17	37.9	57.20	17	37.9	F2	21	211	A -1 141
21		8.0A	3 52.029	0.0048	09	-1 0 58.70	-0.048	11	0.21	51.971	17	37.9	58.12	17	37.9	F8	21	213	A -1 144
22		8.6A	4 11.902	0.0009	11	-8 57 48.41	-0.046	09	0.22	11.888	16	33.7	47.66	16	33.7	F2	16	225	A -9 220
23		8.0A	4 13.281	0.0006	13	-4 55 2.20	-0.040	13	0.27	13.272	16	33.7	1.54	16	33.7	F2	17	244	A -5 189
24		8.9A	4 14.110	0.0014	09	-1 12 17.15	0.031	11	0.21	14.094	17	37.9	17.53	17	37.9	K0	21	214	A -1 146
25		7.8A	4 26.417	0.0007	09	-5 10 22.56	-0.031	09	0.22	26.406	16	33.7	22.05	16	33.7	A0	17	245	A -5 190
26		9.0A	4 28.717	-0.0028	13	-5 35 25.92	-0.036	13	0.27	28.762	16	33.8	25.33	16	33.8	K0 R	17	246	A -6 207
27		8.8A	4 31.100	-0.0033	09	-0 51 30.21	-0.005	11	0.21	31.141	17	37.9	30.15	17	37.9	K0	21	215	A -1 147
28		8.3Q	4 37.381	0.0041	18	-1 59 53.94	-0.007	15	0.70	37.219	18	10.7	53.65	18	07.9		GC	1353K	-2 160
29		7.5Q	4 37.615	0.0044	06	-1 59 56.58	0.003	05	0.32	37.376	12	95.8	56.76	12	91.5	F5	GC	1354K	B* -2 160
30		9.0A	4 51.534	0.0026	11	-1 45 57.94	0.002	11	0.23	51.493	16	33.7	57.97	16	33.7	A2	17	248	A -2 161
31		8.8A	5 0.203	-0.0005	13	-4 28 25.93	-0.028	13	0.27	0.211	16	33.7	25.47	16	33.7	K0 F	17	250	A -4 143
32		9.1A	5 0.525	-0.0019	09	-1 23 17.08	-0.009	11	0.21	0.548	17	37.9	16.97	17	37.9	F8	21	218	A -1 149
33		9.3A	5 1.193	-0.0024	13	-1 24 54.02	-0.046	13	0.27	1.232	16	33.8	53.28	16	33.8	G R	17	251	A -1 150
34		9.4A	5 7.401	-0.0012	12	-6 31 39.38	-0.075	12	0.25	7.420	16	33.7	38.15	16	33.7	K0 R	16	227	A -7 175
35		8.0A	5 8.684	0.0015	13	-3 0 37.26	0.008	13	0.27	8.659	16	33.7	37.38	16	33.7	A2	17	252	A -3 153
36		8.0A	5 12.266	0.0033	09	-5 0 42.40	-0.059	09	0.22	12.212	16	33.7	41.43	16	33.7	K0	17	253	A -5 192
37		8.6A	5 17.030	0.0120	12	-8 30 2.40	0.036	11	0.24	16.835	16	33.7	2.99	16	33.7	G0	16	228	A -9 221
38		9.1A	5 37.925	0.0053	12	-7 40 36.13	-0.112	12	0.25	37.839	16	33.7	34.30	16	33.7	K0 R	16	229	A -8 196
39		8.8A	5 41.704	-0.0002	13	-3 16 30.28	-0.009	13	0.27	41.707	16	33.7	30.13	16	33.7	K2 F	17	254	A -3 154
40		7.6A	5 55.261	-0.0024	12	-6 26 29.51	-0.008	12	0.25	55.300	16	33.7	29.38	16	33.7	F0	16	230	A -6 212
41		8.0A	5 59.055	-0.0001	11	-2 19 34.90	-0.013	13	0.25	59.057	16	33.7	34.68	16	33.7	F2	17	255	A -2 167
42		8.0A	6 21.006	-0.0018	09	-4 59 18.77	-0.074	09	0.22	21.036	16	33.7	17.56	16	33.7	G5	17	256	A -5 195
43		8.9A	6 22.253	-0.0020	17	-9 42 56.09	-0.050	16	0.33	22.286	18	33.7	55.61	18	33.7	K7 J	11	230	A -10 242
44		8.5A	6 37.434	0.0067	13	-3 9 8.09	-0.006	13	0.27	37.324	16	33.7	7.99	16	33.7	F8	17	257	A -3 158
45		9.2A	6 44.376	0.0019	12	-8 5 6.32	-0.071	12	0.25	44.346	16	33.7	5.16	16	33.7	K0 R	16	231	A -8 201
46		8.3A	6 45.199	0.0013	13	-5 14 41.94	-0.009	13	0.27	45.178	16	33.7	41.79	16	33.7	A2	17	258	A -5 198
47		9.0A	7 4.604	-0.0028	11	-2 2 31.20	-0.049	11	0.23	4.651	16	33.7	30.40	16	33.7	F8	17	259	A -2 170
48		8.5A	7 8.048	0.0011	09	-7 17 52.69	-0.081	09	0.22	8.029	16	33.7	51.36	16	33.7	G5	17	260	A -5 199
49		9.4A	7 30.392	0.0004	12	-7 19 25.53	0.151	12	0.25	30.385	16	33.7	28.00	16	33.7	G0 R	16	232	A -7 185
50		9.0A	7 31.162	-0.0003	12	-7 30 10.72	-0.002	12	0.25	31.167	16	33.7	10.68	16	33.7	K2	16	233	A -8 205
51		8.9Q	1 7 32.930	-0.0008	13	-1 51 48.84	-0.116	12	0.59	32.965	17	05.2	43.33	15	02.5	F8	GC	1412	-2 174
52		8.7A	7 38.340	0.0001	12	-7 59 27.43	-0.000	12	0.25	38.338	16	33.7	27.42	16	33.7	G0	16	234	A -8 207
53		9.1A	7 40.522	-0.0011	11	-7 3 41.66	-0.002	11	0.23	40.540	16	33.7	41.62	16	33.7	G	16	235	A -7 187
54		6.6T	7 41.405	-0.0012	04	-9 10 17.16	-0.033	04	0.23	41.466	10	00.9	15.38	10	95.6	G5	GC	1418	B* -9 227
55		8.9A	7 52.057	0.0008	15	-9 56 44.18	0.033	17	0.31	52.045	18	33.7	44.72	16	33.7	K7 J	11	238	A -10 247
56		9.3Q	7 56.686	0.0071	13	-5 13 41.77	0.011	07	0.52	56.374	18	05.8	42.35	15	96.8	K0	GC	1421	-5 200
57		7.5T	7 59.104	0.0044	16	-6 21 4.17	-0.013	16	0.82	58.884	17	99.3	3.51	18	00.3	A2	GC	1423	-6 220
58		9.0A	8 6.114	0.0006	13	-4 36 30.24	-0.004	13	0.27	6.105	16	33.7	30.17	16	33.7	F2	F	17	263	A -5 201
59		7.4A	8 11.065	-0.0022	13	-5 6 29.09	-0.004	13	0.27	11.100	16	33.7	29.15	16	33.7	F0	R	17	264	A -5 202
60		9.3A	8 18.371	-0.0009	12	-8 19 8.58	-0.031	12	0.25	18.385	16	33.7	8.08	16	33.7	F2	R	16	238	A -8 208
61		9.2A	8 22.987	-0.0013	09	-1 15 33.23	-0.038	11	0.21	23.004	17	37.9	32.77	17	37.9	F2	R	21	222	A -1 154
62		8.8A	8 24.503	-0.0044	12	-6 55 50.87	-0.024	13	0.26	24.575	16	33.7	50.47	16	33.7	G0		16	239	A -7 190
63		9.0A	8 36.790	-0.0073	12	-7 26 2.24	-0.068	12	0.25	36.908	16	33.7	0.82	16	33.7	G0		16	240	A -7 192
64		8.6A	8 39.532	-0.0019	09	-1 32 22.49	-0.031	11	0.21	39.555	17	37.9	22.12	17	37.9	F2		21	223	A -2 175
65		8.5A	8 42.629	0.0094	11	-2 15 12.49	-0.090	11	0.23	42.477	16	33.7	11.02	16	33.7	G0		17	266	A -2 176
66		9.0A	8 46.223	0.0007	09	-4 42 9.08	-0.045	09	0.22	46.212	16	33.7	8.34	16	33.7	F8	F	17	267	A -5 205
67		9.0A	8 49.280	-0.0015	12	-7 15 29.67	-0.002	12	0.25	49.305	16	33.7	29.65	16	33.7	K2		16	241	A -7 193
68		8.5A	9 3.056	0.0015	09	-5 36 20.24	-0.000	09	0.22	3.031	16	33.7	20.24	16	33.7	A3		17	268	A -6 226
69		6.2T	9 10.768	-0.0044	04	-2 30 58.25	-0.021	03	0.22	10.996	09	97.8	57.02	09	92.1	K0	GC	1444	B* -3 161
70		8.4Q	9 10.876	0.0028	11	-8 11 40.45	-0.029	09	0.51	10.746	17	03.1	38.98	17	00.1	G5	GC	1445	-8 210
71		9.2A	9 13.538	0.0003	09	-1 11 58.38	-0.022	11	0.21	13.535	17	37.9	58.12	17	37.9	F2	R	21	224	A -1 155
72		8.8A	9 15.121	0.0051	13	-3 41 39.24	-0.005	13	0.27	15.038	16	33.7	39.15	16	33.7	G5		17	270	A -4 151
73		8.1A	9 17.645	-0.0011	09	-0 42 38.79	0.005	11	0.21	17.658	17	37.9	38.85	17	37.9	G5		21	225	A -1 156
74		8.5A	9 36.764	0.0017	13	-4 45 27.23	0.031	13	0.27	36.736	16	33.7	27.73	16	33.7	A0		17	271	A -5 207
75		8.0A	9 58.380	0.0268	12	-9 29 18.75	0.004	11	0.24	57.944	16	33.7	18.82	16	33.7	G0		16	244	A -9 237
76		9.1A	10 11.499	-0.0003	12	-9 6 30.98	0.036	11	0.24	11.505	16	33.7	31.60	16	33.7	K0	R	16	245	A -9 239
77		6.9T	10 16.599	-0.0040	04	-7 2 53.29	-0.012	04	0.18	16.764	07	09.0	52.76	07	07.7	G5		GC	1463	B* -7 196
78		8.9A	10 24.789	-0.0011	13	-3 37 55.00	-0.016	13	0.27	24.808	16	33.7	54.70	16	33.7	K0		17	272	A -4 153
79		9.0A	10 25.189	0.0023	09	-4 16 31.97	-0.030	09	0.22	25.153	16	33.7	31.47	16	33.7	F8	F	17	273	A -4 154
80		9.1A	10 25.820	-0.0016	12	-8 39 35.91	-0.033	12	0.25	25.846	16	33.7	35.38	16	33.7	F5		16	247	A -9 240
81		8.9A	10 46.444	-0.0131	11	-2 7 33.04	-0.088	13	0.25	46.657	16	33.7	31.60	16	33.7	G0		17	274	A -2 181
82		7.5A	10 50.114	0.0036	13	-2 48 55.11	-0.019	13	0.27	50.051	16	33.7	54.80	16	33.7	K0		17	275	A -3 164
83		9.2A	10 53.996	-0.0018	15	-6 14 4.68	-0.021	15	0.29	54.026	16	33.7	4.33	16	33.7	F8	R	16	248	A -6 232
84		8.5A	10 59.398	0.0030	13	-3 34 44.77	-0.009	13	0.27	59.348	16	33.7	44.91	16	33.7	G5		17	276	A -4 157
85		9.0A	11 4.392	0.0044	13	-3 52 22.27	-0.115	13	0.27	4.321	16	33.7	20.39	16	33.7	G0		17	277	A -4 158
86		9.1A	11 13.779	0.0077	12	-8 34 47.56	-0.051	12	0.25	13.654	16	33.7	46.73	16	33.7	K2		16	249	A -9 241
87		7.3A	11 19.892	0.0029	09	-5 6 40.48	-0.024	09	0.22	19.844	16	33.7	40.09	16	33.7	F2		17	278	A -5 210
88		7.0Q	11 24.647	-0.0024	06	-7 53 12.21	-0.015	06	0.37	24.779	15	95.5	11.37	14	91.6	G5		GC	1481K	-8 214
89		8.3A	11 31.720	0.0024	11	-2 22 43.70	0.001	11	0.23	31.681	16	33.7	43.72	16	33.7	F5		17	279	A -2 184
90		8.8A	11 41.698	0.0046	11	-2 26 38.40	0.000	11	0.23	41.624	16	33.7	38.40	16	33.7	MB		17	280	A -2 185
91		8.9A	11 45.956	0.0016	13	-3 34 26.60	-0.008	13	0.27	45.931	16	33.7	26.46	16	33.7	K2		17	281	A -4 163
92		8.7Q	11 51.235	0.0088	07	-8 10 44.59	0.282	07	0.39	50.799	14	00.3	59.45	14	97.4	G		GC	1490K	B* -8 215
93		5.2T	11 52.826	0.0062	02	-8 11 27.96	0.277	02	0.12	52.431	06	01.7	41.50	05	01.2	F0		GC	1491K	B* -8 216
94		9.0A	11 57.870	0.0022	09	-0 6 43.62	-0.005	11	0.21	57.843	17	37.9	43.56	17	37.9	K2		21	230	A -0 189
95		7.5T	11 57.988	-0.0114	08	-5 18 34.90	-0.130	07	0.39	58.552	14	00.6	28.04	14	97.3	F8		GC	1493	-5 215
96		5.8T	12 15.861	-0.0011	03	-1 14 26.93	0.209	02	0.14	15.912	06	02.1	37.53	06	99.3	F5		GC	1501	B* -1 162
97		9.1A	12 27.633	-0.0068	12	-9 23 56.07	0.027	11	0.24	27.777	16	33.7	56.51	16	33.7	K0		16	253	A -9 246
98		8.9A	12 28.353	-0.0016	09	-4 2 41.39	-0.009	09	0.22	28.379	16	33.7	41.24	16	33.7	G0		17	283	A -4 166
99		9.0A	13 7.031	0.0041	09	-4 51 36.46	-0.016	09	0.22	6.963	16	33.7	36.19	16	33.7	K0	F	17	284	A -5 218
00		8.8Q	13 36.642	0.0004	11	-5 12 51.94	-0.024	09	0.49	36.625	17	03.5	50.71	17	99.1	K0		GC	1524	-5 221

129200

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	0° 1H DM NUMBER
1		9.3A	1 13 36.894	0.0058	12	-8 48 39.33	0.017	12	0.25	36.798	16	33.7	39.62	16	33.7	K0 R	16	254	A -7 202
2		9.1G	13 45.815	0.0011	10	-7 24 42.62	-0.034	06	0.39	45.769	17	07.3	40.88	15	98.5	G0	GC	1527K	B* -7 204
3		8.2A	13 58.035	-0.0011	13	-5 7 32.19	-0.015	13	0.27	58.052	16	33.7	31.94	16	33.7	F5	17	286	A -5 223
4		5.5T	14 3.832	-0.0072	03	-2 45 46.70	-0.059	03	0.18	4.223	06	95.5	43.46	07	95.3	G0	GC	1534	B* -3 172
5		9.4A	14 4.932	0.0025	13	-1 33 40.30	-0.046	13	0.27	4.892	16	33.7	39.55	16	33.7	F8 F	17	288	A -2 191
6		8.5A	14 6.550	0.0014	13	-2 56 59.81	0.003	13	0.27	6.527	16	33.7	59.85	16	33.7	G5	17	289	A -3 173
7		8.5A	14 8.494	0.0005	09	-1 31 29.00	0.011	11	0.21	8.488	17	37.9	29.13	17	37.9	G5	21	236K	A -2 192
8		9.2A	14 11.037	0.0057	09	-0 42 57.16	-0.018	11	0.21	10.969	17	37.9	57.38	17	37.9	F8 R	21	237	A -1 164
9		9.3A	14 21.598	0.0014	12	-6 3 27.75	-0.018	12	0.25	21.576	16	33.7	27.45	16	33.7	K0 R	16	256	A -6 241
10		6.8T	14 25.303	0.0172	03	-2 32 25.59	-0.131	03	0.21	24.321	09	93.0	16.68	09	82.0	F8	GC	1542	B* -3 174
11		8.1G	14 30.697	0.0104	09	-5 53 43.27	-0.002	07	0.46	30.183	15	00.4	43.14	15	97.6	F8	GC	1554	-6 244
12		8.7A	14 32.462	0.0017	13	-4 28 35.58	-0.014	13	0.27	32.435	16	33.7	35.35	16	33.7	M1 F	17	292	A -4 174
13		8.8A	15 1.218	-0.0012	15	-9 40 19.86	0.010	17	0.31	1.238	18	33.7	20.03	16	33.7	G0 J	11	261	A -10 272
14		9.3A	15 5.954	-0.0029	12	-9 36 58.75	-0.055	11	0.24	6.002	16	33.7	57.85	16	33.7	G0	16	258	A -10 274
15		9.0A	15 6.839	0.0015	09	-5 4 17.87	0.035	09	0.22	6.815	16	33.7	18.44	16	33.7	A2	17	293	A -5 225
16		9.2A	15 11.310	-0.0004	11	-6 8 58.35	0.004	11	0.23	11.317	16	33.7	58.41	16	33.7	K2 R	16	259	A -6 246
17		6.9T	15 11.507	0.0009	04	-7 56 22.59	0.022	04	0.23	11.466	12	03.5	23.72	10	97.3	A2	GC	1564	B* -8 224
18		8.5A	15 27.930	0.0002	12	-4 35 56.61	-0.006	12	0.25	27.927	16	33.7	56.70	16	33.7	F7 F	17	294	A -5 226
19		8.1G	16 6.280	0.0268	10	-1 7 37.26	-0.264	10	0.51	4.684	10	01.6	24.21	10	00.6	K0	GC	1582	B* -1 167
20		9.2A	16 23.165	0.0012	12	-6 33 22.99	-0.036	12	0.25	23.146	16	33.7	22.40	16	33.7	K0	16	262	A -7 209
21		8.3A	16 25.631	0.0001	12	-7 58 4.14	0.012	12	0.23	25.630	16	33.7	4.33	16	33.7	G5	16	263	A -8 227
22		9.3A	16 26.821	-0.0009	12	-6 7 32.73	-0.006	12	0.25	26.836	16	33.7	32.89	16	33.7	K5 R	16	264	A -6 250
23		8.5A	16 29.679	0.0011	12	-8 15 9.27	-0.019	12	0.25	29.660	16	33.7	8.97	16	33.7	G0	GC	1586	A -8 229
24		9.0G	16 30.666	-0.0134	11	-9 11 45.02	-0.462	10	0.50	31.280	17	05.8	22.86	17	02.0	G0	GC	1586	B* -9 256
25		8.7A	16 39.256	-0.0014	12	-9 38 29.12	0.008	12	0.25	39.258	16	33.7	29.25	16	33.7	G5	16	267	A -10 279
26		8.9A	16 39.939	0.0098	09	-3 16 53.14	-0.070	09	0.22	39.779	16	33.7	51.99	16	33.7	G5	17	295	A -3 177
27		9.0A	16 44.248	0.0047	09	-0 47 11.41	-0.053	11	0.21	44.191	17	37.9	10.77	17	37.9	F5 R	21	244	A -1 170
28		8.9A	16 54.988	0.0011	09	-5 5 52.16	0.006	09	0.22	54.970	16	33.7	52.25	16	33.7	A5	17	296	A -5 257
29		8.9A	16 56.268	0.0003	12	-8 21 37.43	-0.007	12	0.25	56.263	16	33.7	37.33	16	33.7	F5	16	269	A -8 230
30		9.2A	16 56.932	0.0025	12	-6 51 38.29	0.010	12	0.25	56.891	16	33.7	38.45	16	33.7	K2 R	16	268	A -7 211
31		8.9A	16 58.197	0.0001	09	-0 51 4.97	0.005	11	0.21	58.196	17	37.9	5.03	17	37.9	K R	21	245	
32		8.3A	17 0.042	0.0012	09	-5 10 20.28	-0.003	11	0.22	0.022	16	33.7	20.23	16	33.7	G5	17	297	A -5 238
33		8.0A	17 5.256	0.0025	12	-5 35 16.87	0.053	12	0.25	5.216	16	33.7	17.73	16	33.7	F8	17	298K	A -6 251
34		8.8A	17 8.766	0.0087	09	-0 9 24.81	0.022	11	0.21	8.662	17	37.9	25.08	17	37.9	K0	21	246	A -0 201
35		6.0T	17 14.782	0.0006	04	-0 46 15.23	-0.009	03	0.24	14.743	10	87.4	14.64	09	84.4	F5	GC	1600K	B* -1 171
36		8.7A	17 25.570	-0.0000	13	-2 35 33.57	-0.033	13	0.27	25.570	16	33.7	33.02	16	33.7	G0	17	299	A -3 179
37		8.9A	17 27.983	0.0007	09	-1 5 7.09	-0.008	11	0.21	27.975	17	37.9	6.99	17	37.9	K2 R	21	248	A -1 173
38		8.1A	17 35.332	0.0000	12	-2 45 10.49	-0.003	12	0.25	35.331	16	33.7	10.43	16	33.7	G0	17	300	A -3 181
39		6.4T	18 2.110	-0.0011	09	-3 30 31.90	0.011	09	0.53	2.172	15	92.9	32.52	15	92.0	G5	GC	1622	-4 185
40		9.1A	18 6.745	-0.0001	12	-8 40 34.20	0.006	11	0.24	6.747	16	33.7	34.30	16	33.7	M2 R	16	271	A -9 260
41		7.3A	18 19.770	0.0030	09	-1 34 21.05	0.012	09	0.22	19.721	16	33.7	21.25	16	33.7	A0	17	302	A -2 196
42		8.8A	18 29.984	0.0011	12	-7 13 6.53	-0.014	12	0.25	29.966	16	33.7	6.31	16	33.7	K0	16	272	A -4 212
43		9.3A	18 36.290	-0.0014	09	-3 55 29.23	-0.061	09	0.22	36.313	16	33.7	28.23	16	33.7	G0 F	17	303	A -4 186
44		9.2A	18 38.419	0.0030	12	-6 35 36.90	0.015	12	0.25	38.370	16	33.7	37.16	16	33.7	K2	16	273	A -7 215
45		9.0A	18 40.616	-0.0003	09	-1 22 32.22	-0.019	11	0.21	40.620	17	37.9	31.99	17	37.9	F5 R	21	250	A -1 177
46		7.0T	18 46.197	0.0016	13	-6 25 14.10	-0.025	13	0.73	46.114	15	96.7	12.73	15	96.1	G0	GC	1635	-6 256
47		9.2A	18 53.413	0.0005	09	-0 24 21.60	-0.010	11	0.21	53.408	17	37.9	21.48	17	37.9	A	21	251	A -0 207
48		9.1A	18 54.695	0.0001	12	-8 15 48.27	-0.000	12	0.25	54.693	16	33.7	48.26	16	33.7	F8	16	276	A -8 233
49		9.2A	18 54.865	-0.0021	12	-7 19 30.11	0.005	12	0.25	54.901	16	33.7	30.19	16	33.7	G0	16	275	A -7 217
50		9.2A	19 8.658	0.0001	11	-8 53 8.48	0.035	09	0.22	8.656	16	33.7	9.05	16	33.7	K0	16	277	A -9 262
51		8.9G	1 19 9.606	0.0014	12	-3 41 53.83	0.021	09	0.55	9.538	18	01.9	54.92	19	97.9	G0	GC	1639	-4 189
52		9.1A	19 10.265	-0.0009	15	-9 56 0.70	0.021	17	0.31	10.260	18	33.7	1.06	16	33.7	G0 J	11	282	A -10 293
53		8.2A	19 15.494	0.0010	11	-2 15 30.51	-0.022	11	0.23	15.478	16	33.7	30.16	16	33.7	F0	17	306	A -2 200
54		9.0A	19 16.047	0.0066	09	-0 37 40.30	-0.063	11	0.21	15.967	17	37.9	39.54	17	37.9	G0 R	21	252	A -1 178
55		9.2A	19 26.275	-0.0035	15	-9 43 30.76	-0.021	17	0.31	26.332	18	33.7	30.42	16	33.7		11	283	A -10 294
56		8.8A	19 29.129	-0.0009	13	-9 43 8.24	-0.037	15	0.29	29.143	18	33.7	7.64	16	33.7	F0 J	11	284K	A -10 295
57		8.2A	19 35.462	0.0004	13	-4 49 32.33	-0.006	13	0.27	35.456	16	33.7	32.23	16	33.7	K5	17	307	A -5 247
58		9.0A	19 36.182	0.0013	09	-2 9 36.04	-0.040	09	0.22	36.161	16	33.7	35.38	16	33.7	F8 F	17	308	A -2 203
59		9.0A	19 39.770	-0.0008	13	-2 59 38.76	-0.019	13	0.27	39.782	16	33.7	38.45	16	33.7	K1 F	17	309	A -3 185
60		9.0A	19 54.154	-0.0005	12	-7 32 52.26	0.000	12	0.25	54.161	16	33.7	52.27	16	33.7	A0	16	278	A -8 237
61		9.0A	19 59.966	0.0000	13	-3 28 22.62	-0.041	13	0.27	59.965	16	33.7	21.95	16	33.7	G0	17	310	A -3 186
62		6.5T	20 1.216	0.0013	03	-0 42 38.06	-0.009	03	0.22	1.141	10	93.2	37.50	09	87.2	K0	GC	1655	B* -1 179
63		7.9T	20 1.650	0.0052	11	-4 3 41.39	-0.013	09	0.56	1.382	17	98.6	40.68	17	96.4	K0	GC	1656	-4 193
64		9.2A	20 4.337	0.0017	09	-5 11 51.71	0.001	09	0.22	4.309	16	33.8	51.72	16	33.8	M5 R	17	312	A -5 249
65		9.0A	20 13.184	-0.0028	13	-3 54 48.22	-0.006	13	0.27	13.230	16	33.7	48.12	16	33.7	G8 F	17	313	A -4 194
66		8.8A	20 18.682	0.0000	13	-3 16 34.66	-0.018	13	0.27	18.681	16	33.7	34.36	16	33.7	G5	17	314	A -3 187
67		8.8A	20 30.061	0.0034	11	-2 54 2.71	0.003	11	0.23	30.026	16	33.7	2.75	16	33.7	F8 F	17	315	A -3 188
68		9.1A	20 43.822	0.0018	09	-5 11 53.23	-0.000	09	0.22	43.793	16	33.8	53.23	16	33.8	G0 R	17	316	A -5 250
69		9.3A	20 46.752	-0.0015	11	-9 18 34.14	0.028	11	0.23	46.777	16	33.7	34.60	16	33.7	K0 R	16	279	A -9 267
70		9.0A	21 17.203	0.0015	13	-3 13 43.33	0.014	13	0.27	17.178	16	33.7	43.55	16	33.7	K2 F	17	317	A -3 189
71		8.9A	21 18.891	0.0034	12	-7 6 12.94	-0.017	12	0.25	18.835	16	33.7	12.66	16	33.7	K2	16	280	A -7 222
72		7.6A	21 19.713	-0.0043	12	-6 4 36.97	-0.188	12	0.25	19.784	16	33.7	33.90	16	33.7	F8	16	281	A -6 264
73		8.8A	21 28.970	-0.0013	13	-4 23 20.19	-0.004	13	0.27	28.991	16	33.7	20.12	16	33.7	K2 F	17	318	A -4 199
74		3.8H	21 31.363	-0.0056	01	-8 26 27.16	-0.218	01	0.04	31.597	02	07.9	17.71	02	06.6	K0	F4	47	-8 244
75		6.5T	21 31.531	0.0114	03	-8 16 1.12	-0.066	03	0.21	30.934	10	97.5	-57.40	10	94.0	A5	GC	1696	B* -8 243
76		8.0A	21 47.927	0.0018	13	-2 43 56.99	-0.000	13	0.27	47.897	16	33.7	56.98	16	33.7	K5	17	319	A -3 191
77		6.0T	21 49.612	0.0025	09	-7 10 29.90	0.007	06	0.45	49.468	15	91.9	30.24	12	97.7	F0	GC	1697K	B* -7 223
78		7.9A	22 7.833	0.0001	09	-1 13 49.48	-0.006	11	0.21	7.833	17	37.9	49.41	17	37.9	A5	21	264	A -1 182
79		9.2A	22 13.866	0.0055	12	-6 14 28.86	-0.111	12	0.25	13.797	16	33.7	30.67	16	33.7	G5	16	285	A -6 268
80		6.4H	22 16.120	0.0005	03	-3 6 30.05	-0.027	03	0.08	16.107	04	23.5	29.31	04	22.5	G5	F4	1037	-3 195
81		8.1G	22 17.885	0.0056	11	-7 14 42.87	-0.039	07	0.46	17.633	15	04.8	40.92	15	00.6	A3	GC	1706	-7 224
82		9.3A	22 23.348	0.0026	11	-6 7 40.95	-0.158	11	0.23	23.306	16	33.7	38.37	16	33.7	K2 R	16	287	A -6 269
83		6.8T	22 29.333	0.0013	09	-6 12 22.64	0.006	06	0.41	29.269	15	98.9	22.96	15	93.4	A0	GC	1712K	B* -6 270
84		8.5A	22 31.120	0.0021	13	-4 25 5.10	-0.006	13	0.27	31.087	16	33.7	5.00	16	33.7	K2 F	17	321	A -4 203
85		8.9A	22 36.854	-0.0136	09	-1 18 56.44	-0.296	11	0.21	37.019	17	37.9	52.86	17	37.9	K5 R	21	266	A -1 184
86		9.0A	22 40.346	-0.0000	09	-0 44 22.37	-0.011	11	0.21	40.346	17	37.9	22.24	17	37.9	K0 R	21	267	A -1 185
87		9.1A	22 42.538	0.0016	12	-7 5 5.49	-0.008	12	0.25	42.512	16	33.7	5.35	16	33.7	M0 R	16	289	A -7 225
88		9.1A	22 43.561	0.0093	11	-7 4 8.09	-0.005	11	0.23	43.409	16	33.7	8.00	16	33.7	K0	16	290	A -7 226
89		8.7A	22 45.634	-0.0001	12	-6 44 6.89	0.022	12	0.25	45.636	16	33.7	7.24	16	33.7	K2	16	291	A -7 227
90		8.5A	22 48.672	-0.0025	13	-5 17 16.94	-0.030	13	0.27	48.713	16	33.7	16.45	16	33.7	F5	17	322	A -5 254
91		9.0A	23 8.057	-0.0026	12	-4 0 38.54	-0.063	12	0.25	8.099	16	33.7	37.51	16	33.7	F8 F	17	323	A -4 205
92		6.7T	23 20.186	0.0051	14	-4 11 11.95	-0.018	14	0.78	19.913	18	96.7	10.97	18	96.2	K0	GC	1728	-4 207
93		6.9T	23 24.967	-0.0004	09	-8 45 49.10	-0.014	13	0.57	24.989	17	99.1	48.45	17	02.3	G5	GC	1731	-9 272
94		7.7A	23 33.537	-0.0004	13	-2 27 37.42	-0.025	13	0.27	33.545	16	33.7	37.02	16	33.7	G0	17	325	A -2 213
95		8.0A	23 37.578	0.0049	12	-6 54 54.33	-0.015	12	0.25	37.498	16	33.7	54.10	16	33.7	K0	16	293	A -7 229
96		7.8A	23 47.858	-0.0078	13	-4 55 56.39	-0.116	13	0.27	47.986	16	33.7	54.49	16	33.7	G5	17	326	A -5 258
97		8.9A	23 48.611	0.0046	09	-0 28 51.48	0.007	11	0.21	48.556	17	37.9	51.57	17	37.9	F8	21	269	A -0 225
98		9.0A	23 49.602	0.0026	09	-1 7 43.23	-0.014	11	0.21	49.571	17	37.9	43.06	17	37.9	F8 R	21	270	A -1 187
99		8.5A	23 51.582	0.0023	09	-0 42 13.70	0.008	11	0.21	51.555	17	37.9	13.80	17	37.9	G0	21	271	A -1 188
00		6.5T	23 53.618	0.0027	04	-0 39 29.13	0.004	04	0.23	53.466	09	94.5	29,37	09	90.7	K0	GC	1738	B* -1 189

129300

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ_s s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	σ_μ ″.001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	SOURCE CAT.	STAR NUMBER	DM NUMBER
1		9.0A	1 24 0.523	-0.0012	13	-2 45 19.68	-0.008	13	0.27	0.542	16	33.7	19.54	16	33.7	K0 F	17	327	A -3 198
2		8.7A	24 5.623	0.0014	13	-1 57 14.03	-0.018	13	0.27	5.600	16	33.7	13.73	16	33.7	F5	17	328	A -2 215
3		8.8A	24 17.278	0.0017	12	-8 50 47.95	-0.012	11	0.24	17.250	16	33.7	48.15	16	33.7	A3	16	284	A -9 276
4		8.8A	24 22.657	-0.0033	09	-0 16 56.79	-0.075	11	0.21	22.698	17	37.9	55.93	17	37.9	K2	21	273	A -0 226
5		7.9B	24 25.929	0.0201	05	-0 24 42.39	-0.354	04	0.29	25.812	09	94.5	21.90	09	92.1	G5	GC	1748	-0 229
6		8.9A	24 30.171	0.0032	12	-6 36 29.21	-0.007	12	0.25	30.119	16	33.7	29.11	16	33.7	K0	16	295	A -7 232
7		9.1A	24 30.956	-0.0008	09	-2 30 57.72	-0.000	09	0.22	30.980	16	33.7	57.71	16	33.7	G8 F	17	329	A -3 201
8		8.4A	24 50.034	0.0000	09	-0 12 4.76	-0.008	11	0.21	50.034	17	37.9	4.66	17	37.9	F2	21	275	A -0 231
9		9.4B	24 54.963	0.0013	11	-1 27 17.18	0.017	16	0.64	54.901	19	03.4	17.92	19	06.7	F5	GC	1759	-1 190
10		8.7A	24 58.257	-0.0005	11	-7 36 11.75	-0.015	11	0.23	58.284	16	33.7	11.50	16	33.7	K0	16	296	A -8 250
11		7.3T	24 58.405	-0.0005	13	-9 33 20.27	-0.026	11	0.60	58.430	17	03.3	19.02	15	01.1	K0	GC	1761	-10 309
12		8.8A	25 17.236	-0.0010	13	-4 43 37.83	-0.009	13	0.27	17.253	16	33.7	37.88	16	33.7	G8	17	331	A -5 881
13		8.1A	25 23.159	0.0008	09	-3 49 34.87	-0.026	09	0.22	23.146	16	33.7	34.44	16	33.7	F5	17	332	A -4 213
14		8.6A	25 23.270	-0.0117	12	-2 14 53.75	-0.143	12	0.25	23.480	16	33.7	51.42	16	33.7	G5	17	333	A -2 220
15		6.9T	25 28.260	-0.0002	08	-2 17 36.20	-0.001	07	0.50	28.271	15	09.9	36.13	15	07.4	F0	GC	1772	-2 221
16		8.2A	25 45.492	0.0009	12	-6 20 7.76	-0.026	12	0.25	45.478	16	33.7	7.33	16	33.7	K5	16	298	A -6 275
17		9.0A	25 51.712	0.0009	12	-7 14 8.02	-0.003	12	0.25	51.696	16	33.7	7.97	16	33.7	K0 R	16	299	A -7 257
18		8.8A	26 6.834	0.0008	09	-1 18 44.75	-0.047	11	0.21	6.823	17	37.9	44.18	17	37.9	F8	21	277	A -1 193
19		8.1A	26 30.180	0.0021	11	-5 57 32.59	-0.018	11	0.23	30.125	16	33.7	32.29	16	33.7	K5	16	300	A -6 278
20		8.6A	26 35.784	0.0038	12	-7 6 22.90	-0.015	12	0.25	35.680	16	33.7	22.25	16	33.7	F5	16	301	A -7 239
21		8.3A	26 47.280	0.0010	13	-3 27 17.17	-0.000	13	0.27	47.204	16	33.7	17.16	16	33.7	K8 F	17	335	A -3 204
22		9.0A	26 50.935	-0.0013	09	-4 25 36.99	-0.004	09	0.22	50.956	16	33.7	36.92	16	33.7	G8 F	17	336	A -4 216
23		9.0A	26 55.842	-0.0025	13	-5 2 45.67	-0.005	13	0.27	55.883	16	33.8	45.58	16	33.8	K2 R	17	337	A -5 286
24		9.0A	26 58.788	0.0020	12	-2 53 31.94	0.002	12	0.25	58.765	16	33.7	51.97	16	33.7	G5 F	17	338	A -3 207
25		7.4T	27 2.640	-0.0002	17	-9 44 50.11	0.015	15	0.73	2.650	19	06.5	50.81	19	04.5	G5	GC	1805	-10 316
26		9.0A	27 6.786	-0.0021	11	-6 51 28.76	0.032	11	0.23	6.800	16	33.7	29.29	16	33.7	G5	16	302	A -7 240
27		8.8A	27 9.786	-0.0006	13	-4 21 43.17	0.011	13	0.27	9.776	16	33.7	43.34	16	33.7	F5 F	17	339	A -4 218
28		8.5A	27 14.980	0.0015	09	-0 41 53.83	-0.034	11	0.21	14.963	17	37.9	53.42	17	37.9	K0	21	280	A -1 196
29		8.8A	27 15.307	-0.0006	12	-3 42 24.42	-0.015	12	0.25	15.318	16	33.7	24.17	16	33.7	K2 F	17	340	A -4 220
30		9.0A	27 17.104	0.0035	13	-3 35 37.81	-0.027	13	0.27	17.047	16	33.7	37.36	16	33.7	K2 F	17	341	A -4 221
31		6.7T	27 22.221	0.0032	11	-5 51 13.66	-0.020	11	0.59	22.050	15	96.0	12.57	17	98.7	F5	GC	1812	-6 280
32		9.1A	27 23.638	-0.0031	12	-6 56 21.04	0.010	12	0.25	23.655	16	33.7	21.21	16	33.7	F	16	304	A -7 241
33		9.0A	27 25.922	-0.0013	11	-6 54 48.23	0.007	11	0.23	25.942	16	33.7	48.34	16	33.7	F0	16	305	A -7 242
34		8.8A	27 35.074	-0.0001	09	-0 34 45.91	-0.003	11	0.21	35.076	17	37.9	45.87	17	37.9	G5	21	282	A -1 196
35		9.3A	27 36.041	0.0010	11	-6 47 23.66	-0.002	11	0.23	36.024	16	33.7	23.64	16	33.7	K0 R	16	306	A -7 244
36		9.1A	27 41.089	-0.0010	11	-8 10 57.72	-0.008	11	0.23	41.086	16	33.7	57.58	16	33.7	F5	16	307	A -8 258
37		8.6A	28 0.523	0.0001	09	-1 3 44.09	-0.006	11	0.21	0.522	17	37.9	44.02	17	37.9	K2	21	284	A -1 199
38		8.9A	28 5.054	-0.0014	12	-2 3 16.62	-0.048	12	0.25	5.078	16	33.7	15.84	16	33.7	F2 F	17	342	A -2 228
39		7.9A	28 14.805	-0.0005	12	-8 19 36.12	-0.005	12	0.25	14.810	16	33.7	36.05	16	33.7	G5	16	308	A -8 260
40		8.8A	28 22.386	0.0039	12	-3 10 34.58	-0.110	12	0.25	22.302	16	33.7	32.78	16	33.7	G5	17	343	A -3 211
41		9.0A	28 27.234	-0.0025	09	-1 11 45.56	-0.001	11	0.21	27.263	17	37.9	45.55	17	37.9	F5 R	21	286	A -1 201
42		7.1T	28 28.171	0.0018	13	-5 13 3.02	0.007	13	0.72	28.077	15	96.6	3.39	17	96.6	K0	GC	1834	-5 271
43		8.3A	28 37.077	0.0025	12	-5 48 3.01	0.007	12	0.25	37.039	16	33.7	3.12	16	33.7	K5	16	309	A -6 284
44		8.6A	28 37.942	0.0005	09	-0 30 36.84	-0.042	11	0.21	37.939	17	37.9	36.69	17	37.9	K5 R	21	288	A -1 203
45		7.9A	28 40.174	0.0007	12	-7 17 24.00	-0.034	12	0.25	40.162	16	33.7	23.44	16	33.7	K0	16	310	A -7 246
46		8.6A	28 41.341	0.0045	12	-9 34 6.62	-0.063	11	0.24	41.289	16	33.7	5.60	16	33.7	G0	16	311	A -10 324
47		9.0A	28 43.399	-0.0037	20	-2 35 24.48	0.002	20	0.36	43.459	16	33.7	24.51	16	33.7	K1 F	17	346	A -3 212
48		8.6A	28 51.607	0.0005	15	-9 48 36.57	0.042	17	0.31	51.602	18	33.7	37.25	16	33.7	F0 J	11	327	A -10 325
49		7.9A	29 1.512	-0.0003	15	-9 57 29.48	0.015	17	0.31	1.517	18	33.7	29.73	16	33.7	K0 J	11	329	A -10 326
50		8.3A	29 15.747	0.0048	17	-5 12 58.77	0.018	17	0.31	15.668	16	33.7	59.06	16	33.7	G0	17	347	A -5 273
51		8.9A	1 29 26.606	-0.0007	09	-0 49 34.30	0.002	11	0.21	26.614	17	37.9	34.32	17	37.9	K0 R	21	290	A -1 205
52		7.7T	29 30.206	-0.0002	12	-6 58 32.23	-0.002	09	0.60	30.218	14	99.3	32.15	14	93.9	K2	GC	1856	-7 250
53		8.3A	29 31.382	0.0030	12	-6 8 55.35	-0.001	12	0.25	31.333	16	33.7	55.33	16	33.7	K2	16	313	A -6 289
54		8.7A	29 32.830	-0.0010	13	-2 58 49.89	-0.013	13	0.27	32.845	16	33.7	49.67	16	33.7	F8	17	348	A -3 213
55		9.0A	29 32.902	-0.0022	09	-3 14 20.36	-0.040	09	0.22	32.937	16	33.7	19.70	16	33.7	G3 F	17	349	A -3 214
56		9.0A	29 33.987	-0.0001	13	-3 23 12.02	-0.038	13	0.27	33.988	16	33.7	11.40	16	33.7	F8	17	350	A -3 216
57		9.0A	29 52.597	0.0037	17	-3 18 22.79	-0.029	17	0.31	52.536	16	33.7	22.31	16	33.7	F8	17	351	A -3 217
58		9.0A	29 55.418	0.0005	15	-9 45 33.60	-0.009	17	0.31	55.408	18	33.7	33.16	16	33.7	G0 J	11	333	A -10 328
59		9.0A	30 9.416	-0.0035	12	-1 54 33.05	-0.012	12	0.25	9.472	16	33.7	32.85	16	33.7	G2 F	17	352	A -2 236
60		8.9A	30 22.262	0.0003	11	-8 24 21.85	0.002	11	0.23	22.257	16	33.7	21.87	16	33.7	A3	16	314	A -8 265
61		8.2A	30 25.109	0.0009	09	-0 7 46.71	0.013	11	0.21	25.098	17	37.9	46.87	17	37.9	K0	21	295	A -0 247
62		9.0A	30 31.145	0.0002	12	-3 16 35.45	0.016	09	0.23	31.012	16	33.7	35.71	16	33.7	G2 F	17	353	A -3 218
63		6.6T	30 33.868	0.0016	06	-9 16 16.30	0.006	05	0.24	33.810	10	13.4	16.53	10	08.1	A0	GC	1877	-9 298
64		9.1A	30 34.880	0.0000	14	-0 19 32.97	-0.035	14	0.24	34.869	17	37.9	32.55	17	37.9	F8 R	21	296	*
65		8.8A	30 35.680	0.0011	13	-2 2 51.47	-0.023	13	0.27	35.672	16	33.7	51.09	16	33.7	K0 F	17	354	A -2 238
66		9.0A	30 39.410	0.0014	11	-6 13 54.67	0.007	11	0.23	39.387	16	33.7	54.78	16	33.7	K5	16	316	A -6 291
67		9.0A	30 48.101	-0.0008	09	-0 19 12.82	0.006	11	0.21	48.108	17	37.9	12.90	17	37.9	G0 R	21	298	A -0 249
68		9.1A	30 52.909	0.0090	11	-7 26 54.70	-0.030	13	0.25	52.827	16	33.7	54.20	16	33.7	G0	16	317	A -7 254
69		8.3A	31 3.720	-0.0013	13	-2 7 17.94	-0.013	13	0.27	3.742	16	33.7	17.72	16	33.7	G5	17	355	A -2 242
70		8.9A	31 5.375	-0.0037	12	-1 53 41.20	-0.013	12	0.25	5.435	16	33.7	40.98	16	33.7	F0	17	356	A -2 243
71		5.9T	31 11.783	0.0118	05	-7 16 48.96	-0.077	04	0.23	11.255	07	05.2	45.47	07	04.8	G0	GC	1888	-7 256
72		9.5A	31 20.372	0.0031	12	-2 1 59.04	-0.010	12	0.25	20.322	16	33.7	58.87	16	33.7	G5 F	17	357	A -2 244
73		8.4A	31 23.651	-0.0012	12	-2 25 1.92	-0.013	12	0.25	23.670	16	33.7	1.70	16	33.7	G0 F	17	358	A -2 245
74		9.0A	31 24.612	0.0002	09	-0 51 20.25	0.002	11	0.21	24.610	17	37.9	20.27	17	37.9	K0 R	21	300	A -1 208
75		8.5A	31 33.785	0.0002	11	-7 49 16.19	0.007	11	0.23	33.782	16	33.7	16.30	16	33.7	K0	16	319	A -8 289
76		8.6A	31 45.630	0.0008	11	-6 31 41.50	-0.042	11	0.23	45.620	16	33.7	40.81	16	33.7	G5	16	320	A -7 257
77		9.1A	31 49.363	0.0008	11	-6 22 47.72	-0.007	11	0.23	49.351	16	33.7	47.60	16	33.7	K0	16	321	A -6 293
78		8.8A	31 49.685	-0.0011	12	-8 42 44.85	-0.033	11	0.24	49.704	16	33.7	44.31	16	33.7	F5	16	322K	A -9 301
79		9.0A	31 57.851	0.0015	13	-3 34 11.17	-0.030	13	0.27	57.827	16	33.7	10.67	16	33.7	G0 F	17	359	A -4 234
80		8.0A	32 1.134	-0.0001	09	-0 1 21.63	-0.027	11	0.21	1.135	17	37.9	21.30	17	37.9	K0	21	302	A -0 253
81		9.0A	32 8.740	-0.0002	13	-4 50 24.35	0.001	13	0.27	8.744	16	33.7	24.38	16	33.7	K5 F	17	360	A -5 281
82		9.0A	32 10.628	0.0003	13	-2 40 14.40	-0.031	13	0.27	10.622	16	33.7	13.89	16	33.7	K5 F	17	361	A -3 220
83		9.1A	32 13.578	0.0002	13	-5 30 9.32	0.002	13	0.27	13.575	16	33.8	9.35	16	33.8	K2 R	17	363	A -5 282
84		7.5A	32 13.950	-0.0045	12	-2 17 18.74	-0.051	12	0.25	14.024	16	33.7	17.91	16	33.7	G5	17	362	A -2 250
85		8.8A	32 15.512	-0.0009	12	-7 37 30.13	0.006	12	0.25	15.526	16	33.7	30.22	16	33.7	A2	16	324	A -8 273
86		8.9A	32 17.851	-0.0001	13	-2 21 47.18	-0.050	13	0.27	17.853	16	33.7	46.36	16	33.7	K2 F	17	364	A -2 251
87		6.8T	32 19.109	-0.0009	12	-3 46 44.14	-0.028	13	0.74	19.160	17	93.3	42.55	18	93.9	K0	GC	1913	-4 237
88		8.3A	32 28.171	0.0009	09	-0 14 8.85	-0.002	11	0.21	28.160	17	37.9	8.83	17	37.9	G5	21	304	A -0 254
89		7.5A	32 33.633	0.0011	13	-2 35 28.98	-0.013	13	0.27	33.614	16	33.7	26.76	16	33.7	A0	17	366	A -3 224
90		8.6A	32 48.241	-0.0008	09	-7 50 3.24	-0.042	09	0.22	48.251	16	33.7	2.55	16	33.7	F5	16	325	A -8 274
91		8.0A	33 9.293	0.0055	13	-5 19 58.90	0.034	13	0.27	9.203	16	33.7	59.46	16	33.7	F5	17	367	A -5 285
92		9.1A	33 18.202	0.0002	09	-0 9 1.33	-0.014	11	0.21	18.199	17	37.9	1.16	17	37.9	A2	21	307	A -0 255
93		8.6A	33 18.985	0.0082	13	-1 39 45.93	-0.118	13	0.27	18.832	16	33.8	44.02	16	33.8	F8 R	17	368	A -2 253
94		9.2A	33 30.963	0.0024	09	-1 15 35.62	0.007	11	0.21	30.933	17	37.9	35.70	17	37.9	G R	21	310	A -1 213
95		8.9A	33 38.481	-0.0015	11	-6 39 36.64	-0.069	11	0.23	38.505	16	33.7	35.51	16	33.7	F8	16	326	A -7 265
96		8.8A	33 39.041	-0.0007	09	-1 4 19.53	-0.025	11	0.21	39.049	17	37.9	19.23	17	37.9	K0 R	21	311	A -1 214
97		9.3A	33 50.107	-0.0003	13	-3 33 8.64	-0.016	13	0.27	50.112	16	33.7	8.38	16	33.7	F6 F	17	369	A -4 243
98		9.2A	33 52.425	0.0004	12	-9 7 55.64	-0.002	11	0.24	52.418	16	33.7	55.60	16	33.7	K0 R	16	327	A -9 306
99		8.6A	34 10.968	-0.0034	12	-4 33 25.47	-0.039	12	0.25	11.024	16	33.7	24.85	16	33.7	F5	17	370	A -5 287
00		8.9A	34 13.314	0.0016	09	-0 59 39.75	-0.067	11	0.21	13.294	17	37.9	38.93	17	37.9	G0 R	21	312	A -1 215

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NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	EPOCH 1950 μ s	EPOCH 1950 σ_μ ″.001	EPOCH 1950 δ_{1950} ° ′ ″	EPOCH 1950 μ' ″	EPOCH 1950 $\sigma_{\mu'}$ ″.001	EPOCH 1950 σ_{1950} ″	ORIGINAL EPOCH α_2 s	ORIGINAL EPOCH σ ″.01	ORIGINAL EPOCH ep.	ORIGINAL EPOCH δ_2 ″	ORIGINAL EPOCH σ' ″.01	ORIGINAL EPOCH ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	- 00 1H DM NUMBER
1		8.3A	1 34 18.954	-0.0006	11	-7 42 17.61	-0.051	11	0.23	18.964	16	33.7	16.77	16	33.7	F5	16	328	A -8 278
2		9.0A	34 20.200	0.0002	09	-0 47 4.85	-0.040	11	0.21	20.198	17	37.9	4.37	17	37.9	G0	21	313	A -1 217
3		8.5A	34 27.793	0.0010	09	-1 1 56.35	0.011	11	0.21	27.780	17	37.9	56.49	17	37.9	K5	21	314	A -1 218
4		8.6A	34 29.588	0.0026	13	-3 32 24.13	-0.080	13	0.27	29.545	16	33.7	22.82	16	33.7	G0	17	371	A -4 247
5		8.9A	34 38.939	-0.0037	13	-2 58 20.67	-0.033	13	0.27	38.999	16	33.7	20.13	16	33.7	F8 F	17	372	A -3 228
6		8.0A	34 41.564	-0.0026	12	-4 23 50.14	0.012	12	0.25	41.607	16	33.7	50.32	16	33.7	K0	17	373	A -4 248
7		7.0T	34 42.637	-0.0007	10	-0 36 13.61	-0.070	10	0.54	42.675	15	95.4	9.88	15	96.8	G0	GC	1960	-1 219
8		8.7A	34 50.953	0.0051	13	-2 26 18.94	0.013	13	0.27	50.870	16	33.7	19.15	16	33.7	F8 F	17	374	A -2 255
9		9.0A	34 54.526	0.0008	09	-1 17 30.54	-0.002	11	0.21	54.516	17	37.9	30.52	17	37.9	K0 R	21	316	A -1 220
10		9.1A	34 56.992	-0.0006	13	-3 0 50.55	0.005	13	0.27	57.002	16	33.7	50.62	16	33.7	F2 F	17	375	A -3 229
11		7.9A	35 4.441	0.0121	12	-7 0 47.76	-0.097	12	0.25	4.243	16	33.7	46.17	16	33.7	G5	16	329	A -7 268
12		6.4T	35 7.635	0.0167	05	-9 39 33.94	0.086	05	0.26	6.803	10	00.1	38.32	10	98.8	F5	GC	1971	-10 343
13		9.0A	35 9.357	0.0041	11	-7 58 49.51	-0.027	11	0.23	9.289	16	33.7	49.06	16	33.7	K0 R	16	331	A -8 281
14		8.5A	35 17.986	-0.0013	12	-1 33 29.07	-0.001	12	0.25	18.007	16	33.8	29.05	16	33.8	K5 R	17	376	A -2 259
15		6.8T	35 19.906	0.0014	12	-3 41 40.52	-0.004	12	0.66	19.833	15	97.7	40.29	15	96.9	K5	GC	1975	-4 249
16		9.0A	35 25.750	-0.0010	17	-9 51 58.90	0.015	18	0.33	25.767	18	33.7	59.14	16	33.7	K5 J	11	350	A -10 344
17		9.2A	35 30.045	-0.0009	12	-5 55 0.52	-0.021	12	0.25	30.059	16	33.7	0.17	16	33.7	K2 R	16	332	A -6 306
18		8.8A	35 39.863	-0.0016	13	-2 0 42.57	0.006	13	0.27	39.889	16	33.7	42.66	16	33.7	M1 F	17	378	A -2 260
19		9.0A	35 40.112	0.0017	12	-6 54 29.06	-0.013	12	0.25	40.084	16	33.7	28.84	16	33.7	A0	16	333	A -7 269
20		8.6A	35 41.587	-0.0019	12	-7 10 13.72	-0.027	12	0.25	41.618	16	33.7	13.27	16	33.7	G5	16	334	A -7 270
21		9.0A	36 6.290	-0.0001	13	-5 13 32.29	0.009	13	0.27	6.291	16	33.8	32.44	16	33.8	F8 R	17	379	A -5 294
22		8.7A	36 7.027	-0.0003	12	-8 45 47.20	-0.007	11	0.24	7.033	16	33.7	47.08	16	33.7	K0	16	335	A -9 313
23		7.3A	36 14.221	-0.0086	12	-5 59 17.56	-0.041	12	0.25	14.362	16	33.7	16.88	16	33.7	F5	16	336	A -6 307
24		8.8A	36 31.656	0.0019	09	-1 3 19.32	0.038	11	0.21	31.633	17	37.9	19.77	17	37.9	G5	21	318K	A -1 224
25		9.4A	36 32.525	0.0002	12	-6 37 11.20	-0.006	12	0.25	32.522	16	33.7	11.09	16	33.7	F2 R	16	337	A -7 272
26		8.6A	36 32.770	-0.0018	09	-0 41 34.61	-0.011	11	0.21	32.792	17	37.9	34.48	17	37.9	K0 R	21	319	A -1 225
27		8.8A	36 34.534	-0.0024	12	-2 31 42.76	-0.053	12	0.25	34.573	16	33.7	41.89	16	33.7	G0	17	380	A -3 231
28		9.0A	36 40.479	0.0002	12	-7 31 52.82	-0.009	12	0.25	40.476	16	33.7	52.67	16	33.7	K5 R	16	338	A -8 286
29		9.0A	37 1.441	0.0011	09	-0 58 27.32	0.026	11	0.21	1.427	17	37.9	27.64	17	37.9	K0 R	21	322	A -1 227
30		9.1A	37 2.065	-0.0002	11	-7 38 50.77	-0.013	09	0.22	2.069	16	33.7	50.55	16	33.7	F8 R	16	339	A -8 288
31		9.0A	37 25.183	0.0064	13	-2 43 56.06	-0.020	13	0.27	25.079	16	33.7	55.73	16	33.7	F8	17	382	A -3 234
32		8.8A	37 27.701	-0.0015	13	-3 11 43.47	-0.017	13	0.27	27.726	16	33.7	43.19	16	33.7	F8	17	383	A -3 235
33		8.6A	37 31.390	0.0034	09	-0 59 19.27	0.028	11	0.21	31.348	17	37.9	19.60	17	37.9	F5	21	324	A -1 229
34		8.7A	37 31.632	-0.0003	12	-7 42 6.16	0.007	12	0.25	31.636	16	33.7	6.27	16	33.7	F5	16	340	A -8 289
35		7.5A	37 33.361	0.0006	09	-0 29 42.70	-0.015	11	0.21	33.353	17	37.9	42.52	17	37.9	F5	21	325	A -0 258
36		9.1A	37 45.363	-0.0010	12	-6 52 49.99	-0.054	12	0.25	45.379	16	33.7	49.10	16	33.7	G0	16	341	A -7 275
37		8.8A	37 47.477	-0.0018	12	-3 29 43.03	-0.028	11	0.24	47.507	16	33.7	42.57	16	33.7	K0	16	342	A -9 316
38		9.4Q	37 50.294	0.0027	12	-0 18 22.43	-0.023	07	0.46	50.175	17	06.3	21.29	17	00.3	G0	GC	2028K	-0 259
39		8.4A	37 51.804	0.0025	13	-4 42 54.81	-0.001	13	0.27	51.763	16	33.7	54.81	16	33.7	F2	17	384	A -5 296
40		8.3A	37 53.977	0.0011	13	-1 51 15.45	0.003	13	0.27	53.959	16	33.7	15.50	16	33.7	F0	17	385	A -2 270
41		8.7A	38 13.200	0.0036	13	-4 49 54.64	-0.021	13	0.27	13.141	16	33.7	54.30	16	33.7	F8	17	387	A -5 297
42		7.0T	38 13.909	0.0002	08	-2 52 26.30	-0.049	07	0.50	13.896	17	90.1	23.10	15	85.3	G5	GC	2036	-3 239
43		7.8A	38 18.232	0.0057	12	-6 51 32.21	-0.048	12	0.25	18.138	16	33.7	31.42	16	33.7	G5	16	343	A -7 276
44		9.1A	38 19.378	0.0007	13	-1 39 22.10	-0.016	13	0.27	19.367	16	33.8	21.84	16	33.8	G5 R	17	388	A -2 271
45		8.3A	38 21.481	-0.0011	12	-6 24 53.62	-0.006	12	0.25	21.500	16	33.7	53.52	16	33.7	G5	16	344	A -6 315
46		8.4A	38 27.911	-0.0067	12	-5 39 21.19	-0.056	12	0.25	28.021	16	33.7	20.27	16	33.7	G0	17	389	A -6 316
47		8.9A	38 45.363	0.0013	12	-6 17 21.94	0.011	12	0.25	45.342	16	33.7	22.11	16	33.7	K5 R	16	346	A -6 318
48		9.2A	38 48.374	-0.0013	12	-9 37 26.50	0.021	11	0.24	48.395	16	33.7	26.84	16	33.7	K0	16	347	A -10 358
49		7.9A	38 48.789	-0.0021	09	-0 45 31.08	-0.011	11	0.21	48.814	17	37.9	30.94	17	37.9	G5	21	333	A -1 230
50		8.6A	38 54.960	0.0008	12	-7 2 50.76	-0.011	12	0.25	54.947	16	33.7	50.57	16	33.7	G5	16	348	A -7 280
51		8.3A	1 39 4.420	0.0030	13	-3 22 29.50	0.006	13	0.27	4.371	16	33.7	29.60	16	33.7	MA	17	390	A -3 240
52		8.0A	39 5.487	0.0017	13	-3 12 42.32	0.013	13	0.27	5.458	16	33.7	42.53	16	33.7	G5	17	391	A -3 241
53		9.4A	39 23.451	-0.0002	13	-1 34 22.42	0.026	13	0.27	23.454	16	33.7	22.84	16	33.7	K2 F	17	392	A -2 276
54		8.6A	39 27.474	-0.0012	09	-0 44 1.49	-0.034	11	0.21	27.489	17	37.9	1.08	17	37.9	F2	21	338	A -1 231
55		9.1A	39 31.281	-0.0071	12	-9 2 32.21	-0.052	11	0.24	31.397	16	33.7	31.36	16	33.7	F8	16	349	A -9 321
56		8.5A	39 32.058	-0.0000	09	-5 11 47.88	0.033	09	0.22	32.059	16	33.7	48.42	16	33.7	G5	17	393	A -5 300
57		8.3A	39 34.573	0.0003	12	-8 36 44.53	-0.001	12	0.25	34.569	16	33.7	44.50	16	33.7	K0	16	350	A -9 322
58		9.1A	39 45.687	0.0010	13	-4 34 57.98	0.012	13	0.27	45.664	16	33.7	58.18	16	33.7	F5 F	17	394	A -5 301
59		8.3A	39 48.777	0.0015	13	-3 40 35.51	0.006	13	0.27	48.753	16	33.7	35.60	16	33.7	F8	17	395	A -4 259
60		8.4A	39 51.965	-0.0007	09	-1 17 19.44	0.015	11	0.21	51.973	17	37.9	19.63	17	37.9	A2	21	339	A -1 232
61		7.9Q	39 52.231	0.0061	11	-2 24 41.10	-0.010	13	0.59	51.940	15	02.3	40.63	17	04.1	F2	GC	2084	-2 278
62		8.7A	39 53.386	-0.0022	12	-7 0 21.28	-0.030	12	0.25	53.421	16	33.7	20.79	16	33.7	F2	16	351K	A -7 282
63		9.0A	40 0.748	-0.0004	12	-8 22 37.26	-0.003	12	0.25	0.755	16	33.7	37.20	16	33.7	K0 R	16	352	A -8 297
64		7.0T	40 2.517	0.0040	14	-8 54 42.02	0.024	13	0.67	2.332	19	03.5	43.15	19	02.0	G5	GC	2088	-9 324
65		5.3H	40 11.697	-0.0006	02	-3 56 28.88	-0.031	02	0.07	11.712	04	24.2	28.03	04	22.4	G5	F4	1049	-4 260
66		8.7A	40 16.890	0.0004	13	-4 35 44.81	0.028	13	0.27	16.883	16	33.7	45.27	16	33.7	F5	17	398	A -5 304
67		9.2A	40 21.491	-0.0000	12	-8 6 56.46	-0.062	12	0.25	21.491	16	33.7	55.12	16	33.7	G0 R	16	354	A -8 298
68		9.1A	40 25.283	0.0008	11	-9 19 20.59	-0.018	11	0.23	25.271	16	33.7	20.29	16	33.7	G0 R	16	355	A -9 327
69		8.8A	40 48.775	-0.0011	11	-5 22 7.27	-0.081	11	0.23	48.793	16	33.8	5.96	16	33.8	G5 R	17	399	A -5 305
70		8.4A	40 49.225	-0.0014	09	-0 49 23.67	-0.055	11	0.21	49.241	17	37.9	23.01	17	37.9	G5	21	340	A -1 234
71		8.3A	40 51.662	0.0005	12	-7 20 16.20	-0.007	12	0.25	51.653	16	33.7	16.08	16	33.7	A	16	357	A -7 283
72		8.8Q	40 52.237	-0.0010	07	-7 19 41.88	-0.014	04	0.36	52.287	17	00.5	40.98	15	86.7	A	GC	2107K	-7 284
73		9.0A	40 58.958	0.0030	13	-4 32 39.85	0.047	13	0.27	58.909	16	33.7	40.62	16	33.7	K0 F	17	400	A -5 306
74		8.6A	41 20.983	0.0009	11	-5 46 6.76	0.033	11	0.23	20.969	16	33.7	7.29	16	33.7	K0	16	359	A -6 327
75		8.4A	41 22.265	0.0045	12	-8 54 30.77	0.020	11	0.24	22.193	16	33.7	31.09	16	33.7	G5	16	360	A -9 329
76		7.5A	41 22.669	-0.0033	12	-7 43 47.35	-0.058	12	0.25	22.722	16	33.7	46.40	16	33.7	A0	16	361	A -8 302
77		6.4T	41 23.396	-0.0016	09	-5 0 57.80	-0.028	07	0.47	23.689	15	91.9	56.14	14	90.6	K0	GC	2113	-5 309
78		8.2A	41 26.254	-0.0013	09	-0 25 10.90	0.013	11	0.21	26.269	17	37.9	11.06	17	37.9	G5	21	342	A -0 264
79		8.7A	41 59.796	-0.0004	11	-3 43 25.08	-0.033	11	0.23	59.802	16	33.7	24.53	16	33.7	G5	17	402	A -4 264
80		9.1A	42 3.844	-0.0022	15	-9 51 37.09	0.013	17	0.31	3.881	18	33.7	37.30	16	33.7	K0 J	11	386	A -10 367
81		8.6A	42 10.359	-0.0023	09	-0 45 6.76	-0.020	11	0.21	10.386	17	37.9	6.52	17	37.9	G0	21	344	A -1 236
82		6.5T	42 13.355	-0.0000	07	-7 1 0.16	0.016	09	0.52	13.356	17	89.1	1.07	18	92.1	G0	GC	2132K	B* -7 287
83		8.3A	42 13.644	0.0003	12	-6 55 12.04	0.012	12	0.25	13.639	16	33.7	12.23	16	33.7	F0	16	363	A -7 288
84		9.0A	42 25.270	0.0125	09	-1 18 28.68	-0.034	11	0.21	25.119	17	37.9	28.27	17	37.9	K0 R	21	345	A -1 237
85		7.3A	42 49.240	0.0008	13	-3 25 9.68	0.016	13	0.27	49.227	16	33.7	9.94	16	33.7	MA	17	403	A -3 250
86		9.0A	42 58.525	0.0008	13	-2 28 56.17	0.020	13	0.27	58.512	16	33.7	56.49	16	33.7	K2 F	17	404	A -2 288
87		7.8A	43 17.337	0.0013	13	-2 10 34.26	0.006	13	0.27	17.316	16	33.7	34.35	16	33.7	G5	17	405	A -2 291
88		9.4A	43 21.241	-0.0030	12	-9 35 38.01	-0.020	12	0.25	21.290	16	33.7	37.68	16	33.7	F5	16	364	A -10 370
89		7.8A	43 26.229	-0.0019	11	-4 28 40.10	-0.010	11	0.23	26.260	16	33.7	39.93	16	33.7	G5	17	406	A -4 269
90		5.5T	43 28.538	-0.0012	04	-5 58 58.14	-0.029	03	0.23	28.604	07	95.6	56.52	06	94.6	G5	GC	2148	B* -6 336
91		9.0A	43 34.549	-0.0023	12	-6 41 34.35	-0.035	12	0.25	34.585	16	33.7	33.77	16	33.7	A0	16	366	A -7 291
92		8.5A	43 47.004	0.0009	09	-0 10 34.45	0.010	11	0.21	46.993	17	37.9	34.57	17	37.9	K2	21	368	A -0 270
93		8.8A	43 56.765	-0.0026	09	-0 33 29.89	0.018	11	0.21	56.795	17	37.9	30.11	17	37.9	K0	21	349	A -1 239
94		8.2A	43 59.338	0.0008	13	-2 35 25.21	-0.019	13	0.27	59.325	16	33.7	24.90	16	33.7	G0	17	407	A -3 254
95		8.6A	44 8.430	0.0036	09	-0 3 15.48	-0.010	11	0.21	8.386	17	37.9	15.36	17	37.9	G5	21	351	A -0 272
96		7.8A	44 31.456	0.0044	11	-3 21 51.52	-0.014	11	0.23	31.384	16	33.7	51.29	16	33.7	F0	17	408	A -3 258
97		8.4A	44 37.635	-0.0008	15	-9 50 54.30	-0.002	17	0.31	37.649	18	33.7	54.26	16	33.7	K2 J	11	396	A -10 376
98		9.0A	44 39.564	-0.0009	11	-8 41 3.96	-0.020	11	0.23	39.578	16	33.7	3.63	16	33.7	K0	16	367	A -9 338
99		9.1A	44 44.153	-0.0031	12	-6 30 5.92	-0.008	12	0.25	44.203	16	33.7	5.78	16	33.7	K0 R	16	368	A -6 339
00		9.0A	44 56.137	-0.0006	15	-9 44 48.90	-0.046	17	0.31	56.147	18	33.7	48.15	16	33.7	K5 J	11	398	A -10 378

129500

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ s	σ_μ .001"	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ .001"	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ .01"	ep.	δ_2 ″	σ' .01"	ep.	SP.	SOURCE CAT.	STAR NUMBER	− 0° 1H DM NUMBER
1		8.2A	1 45 0.907	0.0092	13	-3 9 37.29	-0.044	13	0.27	0.757	16	33.7	36.57	16	33.7	F5	17	409	A -3 260
2		8.6A	45 1.631	-0.0000	12	-8 7 32.05	-0.012	12	0.25	1.631	16	33.7	31.85	16	33.7	K2	16	369	A -8 312
3		8.1G	45 2.111	-0.0005	12	-0 5 37.56	-0.006	12	0.60	2.134	14	02.2	37.28	15	01.8	G5	GC	2180	-0 274
4		8.4A	45 7.504	0.0121	13	-3 29 16.52	0.155	13	0.27	7.307	16	33.7	19.04	16	33.7	F8	17	410	A -3 262
5		9.1A	45 7.747	-0.0006	12	-6 56 45.15	-0.000	12	0.25	7.757	16	33.7	45.14	16	33.7	K2 R	16	370	A -7 296
6		9.4G	45 20.932	0.0035	13	-3 35 9.01	-0.017	07	0.52	20.778	19	06.0	8.10	18	98.1	F2	GC	2186K	-4 271
7		8.7A	45 45.047	-0.0005	12	-9 29 20.07	-0.006	12	0.25	45.096	16	33.7	20.16	16	33.7	K0	16	371	A -9 342
8		9.0A	45 53.433	-0.0021	12	-5 38 8.79	-0.000	11	0.24	53.467	16	33.8	8.78	16	33.8 R	F8	17	412	A -6 340
9		9.3A	45 56.701	-0.0018	11	-8 30 21.33	0.013	11	0.23	56.731	16	33.7	21.53	16	33.7 R	K0	16	373	A -8 316
10		8.3A	46 5.978	-0.0004	12	-1 46 46.82	0.001	12	0.25	5.984	16	33.7	46.83	16	33.7	G0	17	413	A -2 298
11		9.0A	46 7.258	-0.0013	09	-0 36 36.17	-0.008	11	0.21	7.273	17	37.9	36.07	17	37.9	K5 R	21	358	A -1 246
12		9.3A	46 8.527	-0.0022	12	-6 56 17.60	-0.021	12	0.25	8.562	16	33.7	17.25	16	33.7	G5 R	16	374	A -7 300
13		9.3G	46 13.187	-0.0017	12	-1 40 28.01	-0.026	07	0.47	13.260	18	06.7	26.65	18	98.2		GC	2202	-2 299
14		9.0A	46 13.907	-0.0005	13	-1 40 57.63	-0.040	13	0.27	13.915	16	33.7	56.98	16	33.7	G5	17	415	A -2 300
15		9.0A	46 23.865	-0.0010	12	-8 36 40.55	0.001	12	0.25	23.882	16	33.7	40.56	16	33.7	G5	16	375	A -9 343
16		9.0A	47 7.008	0.0007	13	-3 59 16.75	0.004	13	0.27	6.997	16	33.7	16.81	16	33.7	K0 F	17	416	A -4 278
17		9.1A	47 19.752	0.0004	09	-1 28 9.37	-0.013	11	0.21	19.747	17	37.9	9.21	17	37.9	G0 R	21	363	A -1 249
18		9.1A	47 23.413	-0.0028	09	-0 27 22.07	0.012	11	0.21	23.447	17	37.9	22.22	17	37.9	F5 R	21	364	A -0 281
19		8.5A	47 23.428	-0.0000	11	-5 6 25.13	-0.023	11	0.23	23.428	16	33.7	24.76	16	33.7	MC	17	418	A -5 323
20		8.0A	47 24.590	-0.0047	12	-7 33 20.19	-0.051	12	0.25	24.666	16	33.7	19.35	16	33.7	K0	16	376	A -8 324
21		9.0A	47 27.900	-0.0012	11	-5 26 14.24	-0.019	11	0.23	27.920	16	33.8	13.94	16	33.8	K5 R	17	420	A -5 324
22		9.0A	47 28.225	-0.0007	13	-3 56 50.43	-0.008	13	0.27	28.237	16	33.7	50.30	16	33.7	K2 F	17	419	A -4 280
23		8.5A	47 30.445	0.0093	12	-6 25 28.34	0.034	12	0.25	30.295	16	33.7	28.89	16	33.7	G0	16	378	A -6 345
24		9.0A	47 30.563	0.0003	13	-4 22 24.57	-0.063	13	0.27	30.558	16	33.7	23.54	16	33.7	K2 F	17	421K	A -4 281
25		8.7A	47 30.827	0.0006	12	-6 57 53.08	0.046	12	0.25	30.818	16	33.7	53.82	16	33.7	A5	16	379	A -7 306
26		7.2T	47 44.549	0.0145	11	-6 57 8.24	0.039	10	0.60	43.777	15	96.7	10.30	15	96.7	F8	GC	2223	-7 307
27		9.2A	47 56.086	0.0060	12	-6 1 52.97	0.145	12	0.25	56.788	16	33.7	55.32	16	33.7	G0	16	381	A -6 348
28		8.0A	47 57.816	-0.0009	13	-3 56 31.36	0.007	13	0.27	57.830	16	33.7	31.46	16	33.7	K0	17	422	A -4 282
29		8.2A	48 5.034	0.0006	12	-2 18 34.32	-0.008	12	0.25	5.024	16	33.7	34.18	16	33.7	K0	17	423	A -2 306
30		8.7A	48 21.945	-0.0012	12	-7 23 16.19	-0.038	12	0.25	21.985	16	33.7	15.56	16	33.7	G5	16	382	A -7 309
31		8.7A	48 22.311	-0.0008	09	-0 32 7.77	0.019	11	0.21	22.321	17	37.8	8.00	17	37.8	G5	21	367	A -1 252
32		9.0A	48 24.593	0.0004	09	-0 53 11.97	-0.010	11	0.21	24.587	17	37.8	11.85	17	37.8	K5 R	21	368	A -1 253
33		9.1A	48 32.706	0.0006	12	-5 43 0.32	0.031	12	0.25	32.697	16	33.7	0.82	16	33.7	F8	16	383	A -6 351
34		9.0A	48 51.865	0.0006	12	-8 19 23.71	-0.001	12	0.25	51.854	16	33.7	23.69	16	33.7	F8	16	384	A -8 325
35		7.3A	48 56.986	0.0095	13	-4 27 57.90	-0.061	13	0.27	56.832	16	33.7	56.90	16	33.7	A5	17	425	A -4 285
36		8.7A	49 1.331	0.0053	12	-7 59 12.69	-0.015	12	0.25	1.244	16	33.7	12.44	16	33.7	G0	16	385	A -8 326
37		7.1T	49 3.838	0.0036	09	-2 53 4.17	-0.035	08	0.50	3.632	15	92.9	2.07	15	90.7	F2	GC	2252	-3 268
38		6.9A	49 5.534	0.0010	09	-0 43 51.47	-0.010	11	0.21	5.521	17	37.8	51.35	17	37.8	G5 R	21	370	A -1 254
39		6.6T	49 7.857	0.0010	14	-7 7 15.79	-0.019	11	0.70	7.805	18	97.8	14.73	18	94.9	K0	GC	2253	-7 310
40		9.2A	49 14.213	-0.0008	12	-8 21 3.68	-0.056	12	0.25	14.226	16	33.7	2.76	16	33.7	G0	16	387	A -8 327
41		9.0A	49 21.260	-0.0013	13	-3 55 4.64	0.023	13	0.27	21.261	16	33.7	5.00	16	33.7	K2 F	17	427	A -4 287
42		8.9A	49 35.346	-0.0020	17	-9 49 39.60	0.028	18	0.33	35.379	18	33.7	40.05	16	33.7	F2 J	11	419	A -10 391
43		9.0A	49 45.528	-0.0006	13	-3 34 56.50	-0.011	13	0.27	45.537	16	33.7	56.32	16	33.7	F0	17	428	A -4 288
44		8.6A	50 1.362	-0.0017	13	-2 16 28.25	-0.020	13	0.27	1.410	16	33.7	27.92	16	33.7	A3	17	429	A -2 309
45		9.0A	50 8.506	-0.0035	09	-0 52 49.20	-0.018	11	0.21	8.548	17	37.8	48.98	17	37.8	F8	21	372	A -1 255
46		9.3A	50 11.669	-0.0018	12	-7 54 32.26	-0.015	12	0.25	11.698	16	33.8	32.01	16	33.8	F8 R	16	388	A -8 331
47		8.7A	50 14.360	-0.0004	12	-1 37 36.35	-0.011	12	0.25	14.366	16	33.7	36.17	16	33.7	G5	17	430	A -2 310
48		8.7A	50 14.483	-0.0012	11	-5 2 0.54	-0.019	11	0.23	14.502	16	33.7	0.23	16	33.7	G0	17	432	A -5 333
49		8.7A	50 14.840	0.0035	13	-3 21 51.71	-0.006	13	0.27	14.783	16	33.7	51.61	16	33.7	K0	17	431	A -3 273
50		9.0A	50 22.124	0.0020	12	-8 4 17.06	-0.023	12	0.25	22.090	16	33.7	16.68	16	33.7	G0	16	389	A -8 332
51		7.4T	1 50 33.882	-0.0120	09	-1 34 5.32	-0.357	10	0.49	34.500	12	98.5	-47.29	12	99.5	G0	GC	2286	-2 311
52		8.5A	50 37.421	0.0010	13	-1 45 54.45	0.018	13	0.27	37.405	16	33.7	54.74	16	33.7	F8	17	434	A -2 312
53		8.9A	50 40.521	0.0032	13	-2 24 59.82	-0.030	13	0.27	40.469	16	33.7	59.33	16	33.7	G9 F	17	435	A -2 313
54		8.9A	51 13.332	-0.0005	09	-1 35 37.56	-0.023	11	0.21	13.338	17	37.8	37.27	17	37.8	F5	21	377	A -2 314
55		8.6A	51 20.271	-0.0004	13	-5 30 43.46	0.022	13	0.27	20.277	16	33.7	43.81	16	33.7	F2	17	437	A -5 336
56		9.0A	51 29.276	-0.0008	09	-0 4 1.95	-0.008	11	0.21	29.286	17	37.8	1.85	17	37.8	G0 R	21	378K	A -0 290
57		9.0A	51 30.082	-0.0019	12	-8 53 58.44	-0.022	12	0.25	30.114	16	33.7	58.08	16	33.7	F5	16	391	A -9 353
58		8.2A	51 55.418	0.0006	09	-1 26 42.14	0.029	11	0.21	55.411	17	37.8	42.49	17	37.8	A2	21	381	A -1 260
59		8.7A	51 57.299	0.0014	12	-7 37 9.54	-0.054	12	0.25	57.276	16	33.7	8.66	16	33.7	G0	16	392	A -8 339
60		8.1A	52 6.974	0.0022	12	-6 31 1.21	0.038	12	0.25	6.938	16	33.7	1.82	16	33.7	G5	16	393	A -6 360
61		8.4A	52 12.130	0.0016	12	-7 16 20.16	0.006	12	0.25	12.104	16	33.7	20.25	16	33.7	G5	16	394	A -7 318
62		7.9A	52 18.167	0.0032	12	-6 50 12.31	-0.063	12	0.25	18.115	16	33.7	11.28	16	33.7	F5	16	395	A -7 319
63		8.7A	52 18.196	-0.0026	13	-1 44 7.49	-0.037	13	0.27	18.238	16	33.7	6.88	16	33.7	F8	17	439	A -2 316
64		9.5A	52 22.842	0.0013	12	-8 42 48.10	-0.005	12	0.25	22.821	16	33.8	48.01	16	33.8	G0 R	16	396	A -9 355
65		9.0A	52 25.309	-0.0036	11	-2 10 14.71	-0.036	13	0.25	25.367	16	33.7	14.12	16	33.7	F8	17	440	A -2 317
66		9.0A	52 37.846	0.0011	11	-3 17 10.17	-0.011	11	0.23	37.828	16	33.7	9.99	16	33.7	F8	17	441	A -3 281
67		9.0A	52 40.392	0.0002	13	-2 55 18.94	-0.010	13	0.27	40.389	16	33.7	18.77	16	33.7	G0	17	442	A -3 282
68		8.7A	53 3.474	-0.0017	12	-8 50 42.87	-0.041	12	0.25	3.503	16	33.7	42.20	16	33.7	G0	16	397	A -9 356
69		8.7A	53 10.967	0.0022	13	-4 23 0.80	0.026	13	0.27	10.932	16	33.7	1.22	16	33.7	G5	17	443	A -4 302
70		9.3A	53 20.220	0.0020	12	-6 42 14.75	-0.007	12	0.25	20.187	16	33.8	14.63	16	33.8	F8 R	16	398	A -7 323
71		9.0A	53 24.692	-0.0012	11	-3 31 50.12	-0.007	13	0.23	24.711	16	33.7	50.00	16	33.7	G8 F	17	444	A -3 283
72		9.2A	53 38.991	0.0020	09	-5 15 15.06	-0.011	09	0.22	38.958	16	33.8	14.89	16	33.8	K0 R	17	445	A -5 346
73		7.8A	53 47.857	0.0046	13	-4 25 18.65	0.030	13	0.27	47.782	16	33.7	19.13	16	33.7	F0	17	446	A -4 303
74		9.2A	53 48.908	-0.0010	09	-5 11 41.64	-0.014	09	0.22	48.923	16	33.8	41.42	16	33.8	K2 R	17	447	A -5 348
75		8.8A	54 22.804	-0.0014	09	-0 29 4.62	-0.006	11	0.21	22.820	17	37.8	4.55	17	37.8	K0	21	389	A -0 298
76		9.0A	54 37.293	-0.0018	12	-6 58 52.43	-0.013	12	0.25	37.322	16	33.8	52.21	16	33.8	G5 R	16	399	A -7 328
77		8.5A	54 39.158	0.0005	09	-1 57 33.95	-0.002	09	0.22	39.150	16	33.8	33.91	16	33.8	K0 F	17	448	A -2 325
78		7.9A	54 43.547	0.0016	12	-8 3 26.94	0.023	12	0.25	43.521	16	33.8	27.31	16	33.8	G5	16	400	A -8 346
79		9.5A	54 52.383	-0.0006	12	-8 21 17.07	0.005	12	0.25	52.393	16	33.8	17.14	16	33.8	K0 R	16	401	A -8 348
80		8.0A	55 1.200	0.0036	12	-7 4 16.32	0.035	12	0.25	1.141	16	33.8	16.88	16	33.8	A2	16	402	A -7 330
81		8.3A	55 2.479	-0.0002	12	-7 46 45.38	-0.000	12	0.25	2.482	16	33.8	45.37	16	33.8	K0	16	403	A -8 349
82		9.2A	55 4.727	-0.0012	09	-1 19 30.02	-0.023	11	0.21	4.741	17	37.8	29.74	17	37.8	F8 R	21	391	A -1 265
83		8.8A	55 5.446	0.0026	13	-2 22 28.12	-0.015	12	0.26	5.404	16	33.8	27.87	16	33.8	K8 F	17	449	A -2 328
84		8.8A	55 8.610	0.0109	09	-5 28 25.38	-0.177	09	0.22	8.433	16	33.8	22.51	16	33.8	G5	17	450	A -5 353
85		9.2A	55 21.441	-0.0018	12	-8 55 22.97	-0.013	12	0.25	21.471	16	33.8	22.75	16	33.8	F5 R	16	405	A -9 364
86		9.0A	55 23.634	-0.0012	09	-2 20 33.51	-0.006	09	0.22	23.653	16	33.8	33.41	16	33.8	A0	17	451	A -2 329
87		8.3A	55 25.984	-0.0029	12	-3 57 17.69	-0.068	12	0.25	24.032	16	33.8	16.58	16	33.8	F8	17	452	A -4 307
88		6.6T	55 26.761	0.0024	03	-2 18 9.14	0.017	03	0.17	26.656	07	06.3	9.94	07	01.6	A0	GC	2375K	B* -2 330
89		8.2A	55 35.785	0.0004	13	-4 32 41.30	0.038	13	0.27	35.779	16	33.8	41.92	16	33.8	A0	17	454	A -5 357
90		9.0A	55 37.451	-0.0029	12	-6 16 45.25	0.004	12	0.25	37.498	16	33.8	45.31	16	33.8	F5	16	406	A -6 373
91		9.5A	55 43.117	-0.0020	13	-6 12 42.84	0.004	13	0.27	43.150	16	33.8	42.90	16	33.8	A0 R	16	407	A -6 374
92		8.8A	55 46.638	0.0010	13	-2 43 25.96	-0.025	13	0.27	46.622	16	33.8	25.55	16	33.8	G0	17	455	A -3 288
93		9.0A	55 47.381	-0.0004	12	-8 41 25.37	-0.036	12	0.25	47.388	16	33.8	24.78	16	33.8	F5 R	16	408	A -9 367
94		9.0A	55 51.960	0.0102	12	-7 22 3.02	0.035	12	0.25	51.795	16	33.8	3.58	16	33.8	G0 R	16	409	A -7 333
95		8.4A	55 52.763	-0.0009	17	-2 21 3.43	0.012	17	0.31	52.777	16	33.8	3.62	16	33.8	K0	17	456	A -2 331
96		7.0T	55 57.998	0.0009	14	-7 19 18.33	0.022	14	0.69	57.954	15	02.8	19.37	15	02.0	M0	GC	2380	-7 334
97		8.4A	55 59.863	0.0004	12	-7 51 34.47	0.014	12	0.25	59.857	16	33.8	34.69	16	33.8	G5	16	411	A -8 354
98		9.3A	56 18.048	-0.0006	09	-5 2 43.89	0.003	09	0.22	18.058	16	33.8	43.94	16	33.8	A0 R	17	457	A -5 359
99		8.8A	56 23.599	-0.0007	12	-2 38 51.16	0.002	12	0.25	23.611	16	33.8	51.19	16	33.8	K0	17	458	A -3 290
00		8.5A	56 34.455	-0.0002	13	-4 56 29.05	-0.026	13	0.27	34.459	16	33.8	28.64	16	33.8	F5	17	460	A -5 361

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NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	EPOCH 1950 μ_α s	EPOCH 1950 σ_μ ″.001	EPOCH 1950 δ_{1950} ° ′ ″	EPOCH 1950 μ'_δ ″	EPOCH 1950 σ'_μ ″.001	EPOCH 1950 σ_{1950} ″	ORIGINAL EPOCH α_2 s	ORIGINAL EPOCH σ ″.01	ORIGINAL EPOCH ep.	ORIGINAL EPOCH δ_2 ″	ORIGINAL EPOCH σ' ″.01	ORIGINAL EPOCH ep.	SP.		SOURCE CAT.	SOURCE STAR NUMBER	− 00° 1H DM NUMBER
1		8.8A	1 56 34.990	-0.0031	13	-1 45 0.06	-0.027	13	0.27	35.041	16	33.8	-59.62	16	33.8	F5		17	459	A -2 333
2		8.4A	56 35.996	0.0015	09	-1 14 56.65	0.043	11	0.21	35.977	17	37.8	57.17	17	37.8	G5		21	393	A -1 267
3		8.6A	56 36.005	-0.0007	12	-9 13 27.00	0.023	12	0.25	36.017	16	33.8	27.36	16	33.8	K0		16	412	A -9 372
4		8.6A	56 41.003	-0.0003	12	-8 36 19.86	-0.010	12	0.25	41.009	16	33.8	19.69	16	33.8	A3		16	413	A -9 373
5		9.0A	56 49.556	0.0054	13	-4 22 0.43	-0.017	13	0.27	49.468	16	33.8	0.15	16	33.8	F5		17	461	A -4 306
6		8.4A	56 50.335	0.0025	17	-9 49 19.94	0.012	18	0.33	50.294	18	33.7	20.13	16	33.7	G5	J	11	448	A -10 413
7		9.5A	56 50.336	-0.0017	12	-6 21 21.19	-0.004	12	0.25	50.362	16	33.8	21.12	16	33.8	K0	R	16	414	A -6 376
8		8.7G	56 54.191	-0.0002	16	-0 29 38.43	-0.126	11	0.59	54.198	15	09.6	32.83	17	05.5	G0		GC	2400	-0 302
9		8.9A	57 1.342	0.0000	12	-8 15 8.61	0.012	12	0.25	1.342	16	33.8	8.80	16	33.8	K0	R	16	415	A -8 355
10		8.8A	57 3.564	0.0012	12	-6 37 27.63	-0.015	12	0.25	3.545	16	33.8	27.38	16	33.8	F8		16	416	A -7 337
11		8.8A	57 4.996	0.0007	12	-3 45 27.59	-0.016	12	0.25	4.985	16	33.8	27.32	16	33.8	F5		17	462	A -4 309
12		9.0A	57 15.961	-0.0011	09	-0 57 58.47	-0.019	11	0.21	15.974	17	37.8	58.23	17	37.8	F8	R	21	395	A -1 288
13		9.2A	57 16.597	-0.0018	09	-0 42 51.10	-0.008	11	0.21	16.618	17	37.8	51.00	17	37.8	K0	R	21	396	A -1 289
14		8.8A	57 20.860	0.0012	12	-7 21 39.87	0.049	12	0.25	20.841	16	33.8	40.66	16	33.8	G0		16	417	A -7 338
15		9.0A	57 23.138	0.0010	12	-9 22 48.66	0.037	12	0.25	23.122	16	33.8	49.25	16	33.8	F8		16	418	A -9 378
16		9.0A	57 25.688	0.0079	11	-5 39 45.63	-0.024	11	0.23	25.561	16	33.8	45.24	16	33.8	G0	R	17	464	A -6 378
17		8.3A	57 25.752	-0.0007	12	-7 15 30.77	-0.013	12	0.25	25.763	16	33.8	30.55	16	33.8	K0		16	420	A -7 339
18		9.0A	57 27.341	0.0103	09	-1 26 37.22	0.072	11	0.21	27.215	17	37.8	38.10	17	37.8	K0	R	21	397	A -1 270
19		8.9A	57 36.305	0.0001	11	-4 56 30.38	-0.017	11	0.23	36.303	16	33.8	30.11	16	33.8	K0		17	465	A -5 365
20		7.7A	57 37.089	0.0005	12	-4 31 32.55	0.023	12	0.25	37.081	16	33.8	32.93	16	33.8	K0		17	467	A -4 311
21		9.0A	57 38.639	-0.0020	09	-1 24 58.87	-0.015	11	0.21	38.664	17	37.8	59.05	17	37.8	G0		21	398	A -1 271
22		6.9T	57 43.136	-0.0037	08	-3 36 35.80	-0.016	07	0.43	43.334	14	96.4	34.91	14	95.5	A0		GC	2420	-4 312
23		9.0A	57 47.385	-0.0010	09	-0 38 8.20	-0.048	11	0.21	47.397	17	37.8	7.62	17	37.8	G5	R	21	399	A -1 272
24		5.7T	57 57.859	0.0061	07	-8 45 54.46	-0.007	06	0.26	57.591	07	09.2	54.16	06	09.5	M8		GC	2426	B* -9 380
25		8.8A	57 59.208	-0.0002	13	-3 10 50.92	-0.001	13	0.27	59.211	16	33.8	50.90	16	33.8	F6	F	17	470	A -3 296
26		8.5A	58 2.780	-0.0009	12	-4 10 57.62	-0.085	12	0.25	2.794	16	33.8	56.24	16	33.8	G0		17	471	A -4 314
27		9.0A	58 14.495	0.0101	13	-3 13 48.68	-0.052	13	0.27	14.331	16	33.8	47.84	16	33.8	K0	F	17	472	A -3 297
28		8.8A	58 15.418	0.0006	12	-7 37 27.24	-0.040	12	0.25	15.408	16	33.8	26.58	16	33.8	F8		16	422	A -8 360
29		9.0A	58 19.182	-0.0005	17	-9 50 23.07	-0.034	18	0.33	19.190	18	33.7	22.51	16	33.7	K	J	11	453	A -10 417
30		7.1T	58 20.411	0.0054	09	-8 42 44.52	-0.057	09	0.51	20.130	15	97.7	41.38	15	95.3	G5		GC	2432	-9 382
31		9.0A	58 28.334	-0.0002	13	-1 54 9.37	0.010	13	0.27	28.337	16	33.8	9.53	16	33.8	F2		17	473	A -2 340
32		9.1A	58 28.895	0.0004	12	-9 39 4.21	0.014	12	0.25	28.890	16	33.8	4.43	16	33.8	K		16	424	A -10 418
33		7.7A	58 31.834	0.0027	13	-2 44 14.45	0.025	13	0.27	31.791	16	33.8	14.85	16	33.8	G0		17	474	A -3 300
34		8.7A	58 33.018	-0.0005	13	-4 30 47.82	-0.006	13	0.27	33.026	16	33.8	47.73	16	33.8	G5		17	475	A -4 316
35		9.1A	58 34.250	0.0037	11	-5 1 29.19	0.008	11	0.23	34.190	16	33.8	29.31	16	33.8	G0	R	17	476	A -5 371
36		8.5A	58 48.190	-0.0007	09	-1 7 33.90	0.019	11	0.21	48.198	17	37.8	34.13	17	37.8	K0		21	401	A -1 276
37		8.9A	58 51.768	-0.0031	11	-5 2 37.67	-0.011	11	0.23	51.817	16	33.8	37.50	16	33.8	K5		17	477	A -5 372
38		8.7A	58 57.333	0.0051	12	-6 46 50.60	-0.027	12	0.25	57.249	16	33.8	50.16	16	33.8	G0		16	425	A -7 343
39		9.0A	59 14.689	-0.0025	13	-5 28 38.94	0.000	13	0.27	14.729	16	33.8	38.94	16	33.8	K0	R	17	478	A -5 374
40		9.1A	59 27.793	0.0016	12	-6 21 32.40	0.005	12	0.25	27.766	16	33.8	32.47	16	33.8	F5		16	427	A -6 386
41		8.5A	59 31.997	-0.0005	09	-2 49 24.52	0.003	09	0.22	32.006	16	33.8	24.56	16	33.8	F8		17	479	A -3 301
42		9.2A	59 50.857	0.0020	09	-1 21 33.72	-0.004	11	0.21	50.833	17	37.8	33.67	17	37.8	K0	R	21	404	A -1 277
43		8.8A	59 53.868	0.0032	11	-7 41 54.52	-0.008	11	0.23	53.816	16	33.8	54.38	16	33.8	K0		16	428	A -8 367
44		9.0A	59 59.880	-0.0005	11	-4 43 1.13	-0.005	11	0.23	59.888	16	33.8	1.05	16	33.8	G5	F	17	480	A -5 378
45		8.9A	2 0 1.143	-0.0019	09	-0 45 55.47	-0.001	11	0.21	1.166	17	37.8	55.46	17	37.8	K0	R	21	405	A -1 278
46		8.3A	0 7.579	0.0014	13	-1 51 50.79	-0.043	13	0.27	7.556	16	33.8	50.09	16	33.8	F8		17	481	A -2 345
47		9.1A	0 10.905	-0.0017	09	-1 11 51.18	0.021	11	0.21	10.925	17	37.8	51.43	17	37.8	G	R	21	406	A -1 280
48		8.3A	0 13.832	0.0034	12	-6 55 7.14	-0.002	12	0.25	13.777	16	33.8	7.10	16	33.8	G5		16	429	A -7 347
49		7.0T	0 19.881	0.0047	09	-2 37 3.14	-0.029	08	0.52	19.600	15	90.4	1.33	14	88.4	A3		GC	2466	-3 304
50		9.0A	0 21.485	-0.0003	13	-1 59 42.93	-0.018	13	0.27	21.490	16	33.8	42.64	16	33.8	M1P	F	17	483	A -2 346
51		9.0A	2 0 21.629	0.0011	13	-2 6 50.46	-0.020	13	0.27	21.611	16	33.8	50.13	16	33.8	G0	F	17	484	A -2 347
52		9.1A	0 34.815	-0.0002	09	-0 33 16.86	-0.015	11	0.21	34.817	17	37.8	16.67	17	37.8	K0	R	21	409	A -1 281
53		9.2A	0 34.858	-0.0012	13	-8 52 33.44	-0.006	13	0.27	34.878	16	33.8	33.33	16	33.8	F0	R	16	430	A -9 388
54		9.3A	0 36.159	0.0060	11	-7 39 3.94	-0.009	11	0.23	36.061	16	33.8	3.79	16	33.8	G0		16	431	A -8 369
55		5.6T	0 37.628	0.0049	03	-0 6 42.26	0.021	03	0.15	37.406	06	04.8	43.20	06	05.1	A5		GC	2474	B* -0 307
56		9.3A	0 38.004	0.0049	12	-7 39 31.66	0.025	12	0.25	37.925	16	33.8	32.06	16	33.8	G0	R	16	432	A -8 371
57		9.0A	0 38.459	0.0004	13	-4 13 7.42	0.012	13	0.27	38.453	16	33.8	7.60	16	33.8	K2	F	17	485	A -4 323
58		9.0A	0 41.139	-0.0009	09	-4 50 0.07	-0.005	09	0.22	41.153	16	33.8	00.00	16	33.8	G5	F	17	486	A -5 380
59		9.0A	0 43.468	-0.0024	11	-9 28 29.74	-0.038	11	0.23	43.507	16	33.8	29.12	16	33.8	K0		16	433	A -9 389
60		9.0A	0 47.395	0.0099	09	-1 19 25.82	-0.119	11	0.21	47.274	17	37.8	24.38	17	37.8	K0	R	21	411	A -1 282
61		7.7T	0 54.750	0.0005	11	-4 34 9.35	0.034	08	0.55	54.724	15	97.7	11.21	15	96.1	G5		GC	2481	-5 381
62		9.1A	1 3.085	-0.0002	11	-8 50 9.61	0.015	11	0.25	3.086	16	33.8	10.05	16	33.8	K0	R	16	434	A -9 391
63		7.3A	1 7.210	-0.0016	13	-9 42 0.20	-0.007	13	0.27	7.236	16	33.8	0.08	16	33.8	G5		16	435	A -10 424
64		8.6A	1 8.655	-0.0001	09	-0 15 49.28	0.022	11	0.21	8.656	17	37.8	49.53	17	37.8	A2		21	415	A -0 309
65		5.9T	1 9.283	0.0011	11	-4 20 32.24	-0.059	07	0.54	9.199	14	91.7	29.28	12	00.2	K0		GC	2485	-4 324
66		8.9A	1 13.609	0.0015	12	-8 44 21.24	-0.001	12	0.25	13.585	16	33.8	21.21	16	33.8	K2	R	16	436	A -9 392
67		6.0T	1 14.429	0.0050	03	-0 34 45.10	-0.041	03	0.18	14.163	07	96.8	42.62	07	94.5	G5		GC	2488K	B* -1 285
68		9.0A	1 17.493	-0.0013	17	-4 13 7.60	-0.060	17	0.31	17.514	16	33.8	8.57	16	33.8	A5	F	17	489	A -4 325
69		8.1A	1 17.805	-0.0046	09	-4 49 1.22	-0.098	09	0.22	17.879	16	33.8	-59.63	16	33.8	F2		17	490	A -5 382
70		7.8A	1 22.471	0.0027	13	-2 57 6.64	-0.021	13	0.27	22.427	16	33.8	6.30	16	33.8	G0		17	491	A -3 308
71		8.7A	1 26.001	-0.0004	13	-2 17 38.69	-0.010	13	0.27	26.007	16	33.8	38.52	16	33.8	F5		17	492	A -2 351
72		9.0A	1 26.022	-0.0002	09	-0 6 22.38	0.002	11	0.21	26.024	17	37.8	22.41	17	37.8	G5	R	21	418	A -0 310
73		9.1A	1 42.107	0.0012	11	-7 7 27.80	0.007	11	0.23	42.088	16	33.8	27.90	16	33.8	F5	R	16	437	A -7 350
74		8.9A	1 43.588	0.0067	12	-6 46 58.13	-0.196	12	0.25	43.478	16	33.8	54.95	16	33.8	K0	R	16	438	A -7 351
75		8.0A	1 44.323	0.0013	12	-5 57 1.62	0.032	12	0.25	44.303	16	33.8	2.13	16	33.8	K0		16	439	A -6 397
76		9.2A	1 51.718	0.0040	12	-6 40 56.06	-0.000	12	0.25	51.653	16	33.8	56.05	16	33.8	F8	R	16	440	A -7 352
77		9.1A	1 54.907	0.0002	13	-9 21 53.37	-0.022	13	0.27	54.905	16	33.8	53.72	16	33.8	G5	R	16	441	A -9 395
78		9.4A	2 20.875	0.0051	11	-9 7 16.61	0.030	09	0.22	20.792	16	33.8	17.09	16	33.8	G0	R	16	442	A -8 374
79		8.3A	2 31.178	-0.0016	12	-2 16 37.84	-0.017	12	0.25	31.203	16	33.8	37.56	16	33.8	K0		17	493	A -2 357
80		9.0A	2 32.190	0.0094	13	-2 13 15.66	-0.031	13	0.27	32.038	16	33.8	15.15	16	33.8	G5	F	17	494	A -2 356
81		8.6A	2 36.593	0.0000	09	-0 14 21.37	-0.016	11	0.21	36.593	17	37.8	21.18	17	37.8	G5		21	420	A -0 314
82		9.1A	2 37.101	0.0011	12	-8 50 22.24	0.027	12	0.25	37.084	16	33.8	22.67	16	33.8	G5	R	16	443	A -9 397
83		8.3A	2 38.232	0.0010	09	-4 38 36.45	0.002	09	0.22	38.215	16	33.8	36.49	16	33.8	K2		17	495	A -5 386
84		9.0A	2 39.781	-0.0025	12	-3 44 36.87	0.033	12	0.25	39.821	16	33.8	37.40	16	33.8	G5		17	496	A -4 330
85		9.4A	2 40.031	0.0018	12	-9 35 58.92	0.020	12	0.25	40.003	16	33.8	59.24	16	33.8	F5		16	444	A -10 427
86		8.6A	2 40.277	0.0002	09	-1 12 26.61	0.024	11	0.21	40.275	17	37.8	26.90	17	37.8	A5		21	421K	A -1 288
87		9.0A	2 56.095	0.0016	12	-6 16 36.69	0.018	12	0.25	56.068	16	33.8	36.98	16	33.8	G0	R	16	445	A -6 399
88		8.7A	2 58.988	-0.0015	13	-9 2 54.23	0.026	13	0.27	59.012	16	33.8	54.64	16	33.8	G5		16	446	A -9 399
89		9.2A	3 3.861	0.0045	12	-6 14 13.40	0.057	12	0.25	3.789	16	33.8	14.32	16	33.8	G0	R	16	447	A -6 401
90		9.0A	3 4.817	0.0147	09	-1 10 57.74	-0.047	11	0.21	4.638	17	37.8	57.17	17	37.8	G0	R	21	423	A -1 289
91		9.0A	3 28.890	0.0004	12	-7 24 11.04	0.046	12	0.25	28.884	16	33.8	11.78	16	33.8	F8		16	448	A -7 356
92		8.9A	3 43.288	0.0002	11	-4 3 38.78	-0.005	11	0.23	43.285	16	33.8	38.69	16	33.8	K2	F	17	498	A -4 333
93		7.3A	3 43.717	-0.0040	11	-4 36 10.34	-0.013	11	0.23	43.781	16	33.8	10.13	16	33.8	F2		17	499	A -5 388
94		8.7A	3 46.005	0.0097	12	-9 25 59.38	0.010	12	0.25	45.913	16	33.8	59.53	16	33.8	G5		16	449	A -9 401
95		6.3T	3 55.423	0.0040	11	-0 12 10.02	-0.005	12	0.66	55.197	17	93.6	9.75	17	94.8	K0		GC	2531	-0 318
96		8.4A	3 55.713	0.0003	09	-2 28 23.16	-0.044	09	0.22	55.708	16	33.8	22.44	16	33.8	K0		17	500	A -2 360
97		8.1A	4 11.376	0.0011	12	-6 0 55.44	-0.012	12	0.25	11.359	16	33.8	55.24	16	33.8	K2		16	450	A -6 407
98		8.8A	4 15.508	0.0022	13	-2 10 16.73	-0.030	13	0.27	15.473	16	33.8	16.24	16	33.8	G0		17	501	A -2 361
99		7.9A	4 23.564	-0.0016	09	-2 3 40.46	-0.013	09	0.22	23.589	16	33.8	40.24	16	33.8	G5		17	502	A -2 362
00		7.5A	4 30.875	-0.0036	09	-4 27 17.99	-0.018	09	0.22	30.933	16	33.8	17.70	16	33.8	F0		17	503	A -4 338

129700

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.		SOURCE CAT.	STAR NUMBER	DM NUMBER
1		6.8T	2 4 33.064	0.0018	16	-8 50 36.87	-0.012	16	0.94	33.771	22	97.5	36.19	21	95.3	GS		GC	2542	-9 403
2		9.0A	4 41.246	-0.0008	09	-0 28 32.56	-0.008	11	0.21	41.256	17	37.8	32.46	17	37.8	KO	R	21	429	A -0 320
3		9.1A	4 42.935	0.0016	12	-2 22 19.94	-0.013	12	0.23	42.908	16	33.8	19.73	16	33.8	FS	F	17	504	A -2 364
4		8.8A	4 43.357	0.0013	12	-7 27 46.30	0.028	12	0.25	43.336	16	33.8	46.75	16	33.8	FO		16	432	A -7 361
5		8.8A	5 0.261	0.0002	12	-6 36 4.84	0.010	12	0.25	0.256	16	33.8	5.08	16	33.8	KS	R	16	453	A -7 363
6		8.9T	5 1.849	-0.0158	08	-0 50 58.80	-0.350	07	0.43	2.708	10	95.3	39.85	10	93.3	GS		GC	2548	B* -1 293
7		9.4A	5 19.863	0.0035	12	-2 31 30.21	0.027	12	0.23	19.809	16	33.8	30.65	16	33.8	KO	R	17	505	A -2 365
8		9.4A	5 23.625	-0.0021	12	-4 5 58.99	-0.029	12	0.25	23.654	16	33.8	58.52	16	33.8	FS	R	16	454	A -4 385
9		9.1A	5 27.708	-0.0016	09	-2 31 50.76	0.005	08	0.22	27.731	16	33.8	52.16	16	33.8	GO	F	17	506	A -2 366
10		9.3A	5 28.708	-0.0005	12	-8 14 32.34	-0.019	11	0.24	28.714	16	33.8	32.03	16	33.8	FS	R	16	455	A -8 386
11		8.8A	5 29.685	0.0083	11	-5 13 15.97	0.119	11	0.23	29.714	16	33.8	17.80	16	33.8	KO	F	17	507	A -5 383
12		9.1A	5 31.184	-0.0013	13	-5 38 32.11	0.016	13	0.27	31.186	16	33.8	32.36	16	33.8	KO	R	17	508	A -6 411
13		8.8A	5 48.861	-0.0014	13	-5 58 46.07	0.002	13	0.27	48.883	16	33.8	46.10	16	33.8	GS		16	457	A -6 412
14		8.0A	5 53.804	0.0010	09	-0 38 22.58	0.007	11	0.21	53.791	17	37.8	22.66	17	37.8	K2		21	431	A -1 296
15		9.0A	5 55.291	-0.0008	13	-2 59 33.43	0.009	13	0.27	55.304	16	33.8	34.54	16	33.8	KS	F	17	509	A -3 319
16		8.4A	5 56.829	-0.0023	12	-6 42 21.45	-0.004	12	0.25	56.886	16	33.8	21.05	16	33.8	MA		16	458	A -7 365
17		6.6T	6 2.228	0.0008	12	-6 54 53.60	0.004	11	0.22	2.198	17	99.1	53.79	17	98.9	GS		GC	2564	-7 366
18		8.3B	6 8.857	-0.0006	11	-0 40 25.06	-0.001	10	0.23	8.954	18	04.8	25.00	17	00.8			GC	2567K	-1 297
19		8.4B	6 9.125	-0.0038	07	-0 40 23.57	-0.010	05	0.37	9.339	14	95.0	22.88	12	83.4	FO		GC	2568K	-1 297
20		8.5A	6 17.083	-0.0005	13	-3 26 31.25	-0.001	13	0.27	17.071	16	33.8	31.23	16	33.8	KS		17	510	A -3 320
21		9.0A	6 36.068	-0.0005	13	-3 40 6.26	-0.006	13	0.27	36.070	16	33.8	6.16	16	33.8	GO	F	17	511	A -4 343
22		7.1T	6 37.162	-0.0071	04	-2 34 2.60	-0.035	04	0.22	37.536	07	97.2	0.64	07	94.6	FO		GC	2574	B* -3 324
23		9.4A	6 45.794	-0.0008	12	-6 5 44.56	-0.017	12	0.25	45.808	16	33.8	44.28	16	33.8	A		16	460	A -6 391
24		8.9A	7 10.850	-0.0006	20	-9 52 41.75	-0.043	20	0.36	10.861	18	33.7	41.04	16	33.7	KS	J	11	492	A -10 441
25		9.0A	7 15.277	0.0084	09	-1 12 11.56	0.022	11	0.21	15.247	17	37.8	11.82	17	37.8	KO	R	21	436	A -1 299
26		9.2A	7 20.861	0.0008	12	-8 56 13.24	-0.013	12	0.25	20.849	16	33.8	13.02	16	33.8	GS	R	16	461	A -9 413
27		8.0A	7 47.171	0.0003	12	-8 58 32.14	0.006	12	0.25	47.167	16	33.8	32.23	16	33.8	KO		16	462	A -9 414
28		8.5A	7 50.819	-0.0012	09	-0 19 36.17	-0.054	11	0.21	50.833	17	37.8	35.51	17	37.8	KO		21	438	A -0 327
29		8.9A	7 54.306	0.0008	12	-7 14 9.44	0.014	12	0.25	54.303	16	33.8	9.66	16	33.8	KO	R	16	463	A -7 372
30		8.2A	8 2.808	-0.0010	11	-3 38 51.13	0.016	11	0.23	2.825	16	33.8	51.39	16	33.8	K2		17	513	A -4 350
31		8.8A	8 18.122	-0.0005	13	-3 3 13.33	0.001	13	0.27	18.130	16	33.8	13.35	16	33.8	K2	F	17	514	A -3 327
32		9.4A	8 20.301	0.0085	11	-7 55 11.75	-0.005	09	0.22	20.148	16	33.8	11.66	16	33.8	GO	R	16	464	A -8 395
33		8.9A	8 26.225	0.0012	11	-2 9 0.47	0.035	11	0.23	26.208	16	33.8	1.03	16	33.8	FS		17	515	A -2 373
34		8.8A	8 35.190	-0.0031	09	-4 50 23.28	-0.015	09	0.22	35.240	16	33.8	23.04	16	33.8	GS	F	17	516	A -5 402
35		8.7A	8 43.560	0.0002	12	-7 33 41.66	0.010	12	0.25	43.556	16	33.8	41.81	16	33.8	KS	R	16	465	A -8 397
36		8.7A	8 48.864	-0.0004	12	-5 52 36.59	-0.027	12	0.25	48.872	16	33.8	36.15	16	33.8	FS		16	466	A -6 420
37		8.5A	8 48.889	0.0018	13	-4 46 26.19	-0.017	13	0.27	48.859	16	33.8	25.91	16	33.8	FSP	F	17	517	A -2 374
38		9.0A	8 48.976	0.0000	12	-8 58 49.25	0.002	12	0.25	48.978	16	33.8	49.36	16	33.8	KS	R	16	467	A -9 417
39		6.0T	9 3.342	-0.0007	04	-2 2 3.34	-0.050	04	0.22	3.378	10	98.3	32.97	10	94.9	KO		GC	2604	B* -2 375
40		8.6A	9 5.418	-0.0058	09	-2 15 26.22	-0.105	09	0.22	5.512	16	33.8	24.51	16	33.8	FS		17	519	A -2 377
41		9.5A	9 7.624	0.0019	12	-1 49 45.84	-0.010	12	0.25	7.793	16	33.8	45.67	16	33.8	FS	F	17	520	A -2 376
42		8.7A	9 10.284	-0.0001	09	-0 0 38.84	0.002	11	0.21	10.285	17	37.8	38.87	17	37.8	KO		21	441	A -0 329
43		8.6A	9 11.601	0.0007	12	-6 22 8.67	0.005	12	0.25	11.589	16	33.8	8.94	16	33.8	FO		16	468	A -6 421
44		9.0A	9 16.316	-0.0053	11	-3 19 48.94	-0.015	11	0.23	16.401	16	33.8	48.70	16	33.8	KO	R	17	521	A -5 403
45		8.9A	9 18.481	0.0047	11	-9 10 11.87	-0.084	11	0.23	18.404	16	33.8	11.47	16	33.8	GS		16	469	A -9 419
46		8.7A	9 22.232	0.0021	13	-4 35 53.41	-0.014	13	0.27	22.198	16	33.8	53.20	16	33.8	G2	F	17	522	A -5 404
47		9.0A	9 22.946	-0.0021	13	-3 28 56.52	-0.008	13	0.27	22.980	16	33.8	56.39	16	33.8	G6	F	17	523	A -3 332
48		9.2A	9 36.494	0.0022	09	-0 36 10.99	0.009	11	0.21	36.467	17	37.8	11.10	17	37.8	KO	R	21	442	A -1 301
49		9.0A	9 48.007	-0.0005	09	-5 37 9.78	0.019	09	0.22	48.015	16	33.8	10.08	16	33.8	FS	R	17	524	A -6 423
50		7.9A	10 9.309	0.0010	13	-2 27 42.33	-0.027	13	0.27	9.292	16	33.8	41.89	16	33.8	KO		17	525	A -2 379
51		8.9A	2 10 13.268	0.0242	11	-2 37 45.19	-0.050	11	0.23	12.855	16	33.0	44.37	16	33.8	GO		17	526	A -3 335
52		5.7T	10 14.099	0.0244	03	-2 37 36.38	-0.064	02	0.18	12.715	09	93.3	31.59	07	91.1	GO		GC	2652K	B* -3 336
53		9.3A	10 17.591	0.0016	12	-7 47 42.98	-0.077	12	0.25	17.564	16	33.8	41.73	16	33.8	GO	R	16	471	A -8 401
54		9.2A	10 28.036	0.0025	12	-7 53 20.04	-0.002	12	0.25	27.998	16	33.8	20.00	16	33.8	GS	R	16	472	A -8 403
55		9.1A	10 44.982	0.0072	12	-6 13 59.01	0.002	12	0.25	44.886	16	33.8	59.04	16	33.8	GS		16	473	A -6 427
56		8.9A	10 58.973	0.0008	09	-0 15 4.38	-0.033	11	0.21	58.963	17	37.8	3.98	17	37.8	KO	R	21	443	A -0 335
57		8.8A	11 1.886	-0.0031	11	-7 37 35.81	-0.108	11	0.23	1.945	16	33.8	32.05	16	33.8	GO	R	16	474	A -8 405
58		9.2A	11 4.825	-0.0001	12	-1 43 16.73	0.005	12	0.25	4.827	16	33.8	16.81	16	33.8	K1	F	17	530	A -2 381
59		8.2A	11 5.689	0.0017	15	-9 59 5.05	-0.120	17	0.31	5.662	18	33.7	3.09	16	33.7	A2	J	11	502	A -10 453
60		8.6A	11 7.044	-0.0011	12	-9 3 1.38	0.084	12	0.25	7.062	16	33.8	2.90	16	33.8	GS		16	475	A -9 427
61		9.0A	11 9.565	-0.0013	13	-4 0 34.89	0.009	13	0.27	9.606	16	33.8	35.02	16	33.8	G6	F	17	531	A -4 360
62		7.3T	11 10.403	0.0011	11	-3 15 53.83	-0.021	08	0.47	10.353	15	04.9	52.75	14	99.6	+++		GC	2678	B* -3 340
63		9.0A	11 23.622	-0.0003	12	-8 11 30.90	-0.041	12	0.25	23.627	16	33.8	30.23	16	33.8	GS		16	477	A -8 406
64		8.7A	11 24.380	0.0016	12	-6 36 29.60	0.041	12	0.25	24.364	16	33.8	30.26	16	33.8	FS		16	476	A -7 381
65		6.7T	11 25.632	-0.0013	11	-9 17 52.32	0.032	11	0.57	25.700	18	98.6	53.95	17	98.5	KO		GC	2682	-9 429
66		9.0A	11 28.881	-0.0045	13	-5 16 36.41	-0.005	13	0.27	28.954	16	33.8	36.33	16	33.8	FS	R	17	533	A -5 409
67		8.8A	11 29.395	-0.0021	13	-5 5 56.89	-0.016	11	0.23	29.429	16	33.8	56.63	16	33.8	K2	R	17	534	A -5 410
68		9.2A	11 34.719	0.0004	12	-7 29 12.31	-0.015	12	0.25	34.713	16	33.8	12.06	16	33.8	GO	R	16	479	A -7 382
69		8.5A	11 42.240	-0.0014	12	-3 51 54.09	-0.214	12	0.25	42.263	16	33.8	50.61	16	33.8	K2		17	535	A -4 361
70		7.7A	11 51.759	-0.0023	11	-5 30 8.34	-0.032	11	0.23	51.796	16	33.8	7.81	16	33.8	F2		17	536	A -5 411
71		9.0A	11 56.274	0.0016	13	-4 13 34.48	0.016	13	0.27	56.268	16	33.8	34.74	16	33.8	G5	F	17	537	A -4 362
72		6.9B	12 4.079	0.0980	13	-1 25 58.71	-0.081	10	0.60	0.938	15	02.4	54.36	12	96.3	GO		GC	2694	B* -1 306
73		9.2A	12 6.046	0.0018	11	-6 10 24.84	-0.070	11	0.23	6.016	16	33.8	23.70	16	33.8	GO	R	16	481	A -6 432
74		9.3A	12 15.226	0.0164	12	-7 47 16.85	-0.077	12	0.25	14.958	16	33.8	15.80	16	33.8	KS	R	16	482	A -8 409
75		8.6A	12 21.970	0.0088	12	-6 20 17.76	0.008	12	0.25	21.871	16	33.8	17.88	16	33.8	GO		16	483	A -6 434
76		8.6A	12 28.048	0.0018	12	-6 52 59.46	0.036	12	0.25	28.019	16	33.8	0.04	16	33.8	F2		16	484	A -7 387
77		8.5A	12 33.001	0.0004	12	-7 46 11.12	0.008	12	0.25	32.994	16	33.8	11.24	16	33.8	G5		16	485	A -8 411
78		9.1A	12 39.458	0.0074	09	-0 38 50.43	0.051	11	0.21	39.388	17	37.8	51.05	17	37.8	FS	R	21	447	A -1 307
79		8.8A	12 52.282	0.0014	12	-7 21 30.46	-0.024	12	0.25	52.258	16	33.8	30.06	16	33.8	F5		16	486	A -7 389
80		8.9A	12 54.172	0.0036	09	-2 9 57.79	0.003	09	0.22	54.114	16	33.8	57.84	16	33.8	KS		17	539	A -2 386
81		6.7T	13 0.826	-0.0006	09	-9 41 52.67	0.034	12	0.59	0.859	18	97.2	54.36	17	99.8	A0		GC	2712	-10 460
82		9.0A	13 6.248	0.0011	13	-3 36 10.78	0.011	13	0.27	6.228	16	33.8	10.96	16	33.8	G2	F	17	540	A -4 364
83		8.9A	13 7.261	-0.0004	11	-5 41 15.70	-0.010	11	0.23	7.287	16	33.8	15.53	16	33.8	F8	R	17	541	A -6 436
84		8.9A	13 13.820	0.0010	12	-9 14 42.71	0.005	12	0.25	13.804	16	33.8	42.78	16	33.8	G5		16	489	A -9 431
85		8.9A	13 21.343	0.0019	13	-2 44 35.92	-0.024	13	0.27	21.313	16	33.8	35.53	16	33.8	F6	F	17	542	A -3 343
86		8.1A	13 23.788	-0.0017	13	-5 18 43.91	-0.020	13	0.27	23.816	16	33.8	43.59	16	33.8	G5		17	543	A -5 417
87		8.4A	13 25.695	0.0117	13	-4 19 34.02	-0.028	13	0.27	25.704	16	33.8	33.55	16	33.8	GO		17	544	A -4 366
88		9.0A	13 34.736	0.0030	09	-1 31 11.54	0.011	11	0.21	34.699	17	37.8	11.68	17	37.8	F3	R	21	450	A -1 309
89		8.3A	13 35.025	-0.0018	13	-4 5 59.78	-0.015	13	0.27	35.055	16	33.8	59.52	16	33.8	K2		17	546	A -4 367
90		8.9A	13 38.771	0.0008	12	-9 8 11.02	0.016	12	0.25	38.762	16	33.8	11.27	16	33.8	GO		16	490K	A -9 433
91		9.3A	13 39.767	-0.0020	12	-7 41 56.10	-0.039	12	0.25	39.799	16	33.8	55.46	16	33.8	KO	R	16	491	A -8 415
92		9.0A	13 43.262	0.0029	09	-0 21 5.07	-0.014	11	0.21	43.226	17	37.8	4.90	17	37.8	G5	R	21	451	A -0 340
93		8.9A	13 47.526	-0.0012	11	-2 2 25.11	0.036	11	0.23	47.545	16	33.8	25.69	16	33.8	KO	F	17	547	A -2 388
94		9.0A	14 11.472	0.0115	13	-5 4 13.06	-0.047	13	0.27	11.286	16	33.8	12.30	16	33.8	G8	F	17	549	A -5 422
95		8.8T	14 17.969	-0.0007	10	-3 8 8.63	-0.001	11	0.51	18.020	18	04.8	8.57	18	03.3	KO		GC	2738	-3 345
96		9.2A	14 21.686	0.0040	12	-7 53 4.83	-0.023	12	0.25	21.621	16	33.8	4.45	16	33.8	GO		16	493	A -8 417
97		7.0T	14 27.928	-0.0003	10	-6 48 33.58	-0.004	08	0.51	27.943	17	94.9	33.34	15	93.5	A0		GC	2747	-7 392
98		5.7H	14 29.251	0.0099	01	-6 39 5.98	-0.105	01	0.04	29.029	02	12.5	2.02	02	12.1	G5		F4	80	-7 393
99		9.0A	14 46.118	0.0018	09	-1 11 22.00	-0.011	11	0.21	46.096	17	37.8	21.87	17	37.8	KO	R	21	455	A -1 311
00		9.4A	14 50.809	-0.0004	12	-6 16 43.49	-0.009	12	0.25	50.817	16	33.8	43.34	16	33.8	GO	R	16	496	A -6 444

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NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	EPOCH 1950 μ s	EPOCH 1950 σ_μ ″.001	EPOCH 1950 δ_{1950} ° ′ ″	EPOCH 1950 μ' ″	EPOCH 1950 σ'_μ ″.001	EPOCH 1950 σ_{1950} ″	ORIGINAL EPOCH α_2 s	ORIGINAL EPOCH σ ″.01	ORIGINAL EPOCH ep.	ORIGINAL EPOCH δ_2 ″	ORIGINAL EPOCH σ' ″.01	ORIGINAL EPOCH ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	− 00 2H DM NUMBER
1		8.3A	2 15 11.090	0.0005	09	-0 23 25.39	-0.027	11	0.21	11.084	17	37.8	25.06	17	37.8	K2	21	457	A -0 343
2		8.1G	15 14.864	-0.0015	11	-2 16 16.23	-0.003	12	0.61	14.940	15	99.0	16.07	15	99.0	K0	GC	2766	-2 389
3		9.0A	15 16.367	0.0011	09	-0 22 20.74	-0.044	11	0.21	16.354	17	37.8	20.21	17	37.8	G0 R	21	458	
4		9.3A	15 18.199	-0.0081	11	-8 24 28.29	-0.148	11	0.23	18.330	16	33.8	25.89	16	33.8	G0 R	16	497	A -8 419
5		8.9A	15 19.718	0.0010	09	-1 13 45.09	0.018	11	0.21	19.706	17	37.8	45.30	17	37.8	K0 R	21	459	A -1 312
6		8.5A	15 20.302	-0.0008	11	-4 35 11.82	0.026	11	0.23	20.315	16	33.8	12.24	16	33.8	F5	17	552	A -5 425
7		9.0A	15 22.484	0.0065	13	-3 0 52.99	0.006	13	0.27	22.379	16	33.8	53.08	16	33.8	G0	17	553	A -3 347
8		9.0A	15 33.048	-0.0005	13	-4 4 2.58	-0.007	13	0.27	33.056	16	33.8	2.46	16	33.8	G0	17	554	A -4 372
9		9.2A	15 36.876	0.0001	09	-0 8 11.66	0.000	11	0.21	36.875	17	37.8	11.66	17	37.8	F5 R	21	461	A -0 344
10		8.3A	15 44.611	0.0044	13	-4 19 41.41	0.016	13	0.27	44.539	16	33.8	41.67	16	33.8	G0	17	555	A -4 374
11		8.9A	15 54.242	0.0008	12	-6 14 50.99	-0.021	12	0.25	54.230	16	33.8	50.64	16	33.8	K5	16	498	A -6 447
12		9.2A	15 54.488	0.0037	12	-7 38 57.35	0.012	12	0.25	54.427	16	33.8	57.54	16	33.8	K0 R	16	500	A -8 420
13		8.7A	15 54.903	0.0010	13	-4 33 50.65	-0.028	13	0.27	54.886	16	33.8	50.21	16	33.8	G0	17	556	A -5 429
14		8.6A	15 55.744	0.0203	12	-6 50 8.11	-0.036	12	0.25	55.414	16	33.8	7.52	16	33.8	G0	16	499	A -7 397
15		7.9A	15 59.839	-0.0015	12	-8 35 21.37	0.034	12	0.25	59.863	16	33.8	21.91	16	33.8	G5	16	501	A -9 440
16		8.2A	16 0.095	-0.0011	11	-5 5 58.60	-0.023	11	0.23	0.113	16	33.8	58.23	16	33.8	G0	17	557	A -5 430
17		9.0A	16 1.063	-0.0027	13	-5 8 50.18	-0.019	13	0.27	1.107	16	33.8	49.88	16	33.8	F5	17	558	A -5 431
18		8.9A	16 8.262	-0.0022	13	-3 42 48.42	0.026	13	0.27	8.297	16	33.8	48.84	16	33.8	F8P F	17	559	A -4 375
19		7.7A	16 23.085	-0.0025	12	-7 41 15.79	-0.028	12	0.25	23.126	16	33.8	15.33	16	33.8	F5	16	502	A -8 422
20		8.5A	16 24.660	0.0008	13	-1 58 13.46	0.013	13	0.27	24.647	16	33.8	13.67	16	33.8	K0	17	560	A -2 393
21		8.9A	16 25.675	0.0013	09	-0 9 54.17	-0.010	11	0.21	25.658	17	37.8	54.05	17	37.8	F5	21	463	A -0 347
22		8.8A	16 37.239	0.0012	12	-7 4 35.56	0.025	12	0.25	37.220	16	33.8	35.96	16	33.8	K0	16	503	A -7 400
23		8.6A	16 42.657	0.0027	09	-1 0 32.36	-0.049	11	0.21	42.624	17	37.8	31.76	17	37.8	G0	21	464	A -1 316
24		8.6A	16 47.816	0.0009	13	-4 21 23.94	0.007	13	0.27	47.801	16	33.8	24.05	16	33.8	G5	17	561	A -4 378
25		2.0I	16 49.045	-0.0008	02	-3 12 13.39	-0.233	02	0.09	49.086	03	98.0	1.91	03	00.8	M5E	GC	2796V	B* -3 353
26		9.2A	16 53.239	0.0008	12	-7 17 47.06	0.019	12	0.25	53.225	16	33.8	47.36	16	33.8	K2 R	16	504	A -7 402
27		9.2A	16 56.472	-0.0021	13	-6 26 34.30	-0.003	13	0.27	56.505	16	33.8	34.24	16	33.8	K0 R	16	505	A -6 451
28		9.1T	16 56.774	-0.0004	05	-3 11 42.94	-0.017	07	0.36	56.797	12	90.9	42.06	14	99.6	M0	GC	2797	B* -3 355
29		8.8A	17 8.307	-0.0023	13	-5 13 42.03	-0.026	13	0.27	8.344	16	33.8	41.61	16	33.8	G5	17	564	A -5 437
30		6.5T	17 9.912	0.0024	07	-4 34 28.94	0.009	07	0.43	9.773	12	92.1	29.49	12	91.3	A2	GC	2799	-5 438
31		9.1A	17 13.129	-0.0006	12	-5 15 23.84	-0.006	12	0.25	13.138	16	33.8	23.75	16	33.8	K0 R	17	567	A -5 439
32		8.4A	17 14.852	0.0007	13	-2 27 16.11	0.005	13	0.27	14.840	16	33.8	16.19	16	33.8	K0	17	566	A -2 396
33		7.7A	17 26.350	0.0039	11	-6 33 2.18	-0.033	11	0.23	26.287	16	33.8	1.64	16	33.8	G5	16	506	A -6 453
34		9.0A	17 28.345	-0.0009	09	-0 24 8.59	0.000	11	0.21	28.356	17	37.8	8.59	17	37.8	K0 R	21	465	A -0 349
35		9.3A	17 29.113	-0.0018	12	-6 32 32.63	-0.030	12	0.25	29.142	16	33.8	32.14	16	33.8	G5 R	16	507	A -6 454
36		8.4A	17 32.526	0.0110	09	-0 41 19.24	0.087	11	0.21	32.392	17	37.8	20.30	17	37.8	G0	21	466	A -1 317
37		8.0T	17 33.892	-0.0057	20	-3 45 47.43	-0.043	22	0.93	34.137	19	07.0	45.57	21	07.1	F5	GC	2810	-4 379
38		8.6A	17 34.342	-0.0002	09	-0 30 45.89	0.004	11	0.21	34.344	17	37.8	45.94	17	37.8	K5	21	467	A -0 350
39		8.8A	17 42.724	0.0007	13	-1 30 29.56	0.008	11	0.25	42.712	16	33.8	29.69	16	33.8	K2 R	17	569	A -1 318
40		8.9A	17 52.964	0.0002	12	-6 32 54.84	0.011	12	0.25	52.961	16	33.8	55.01	16	33.8	F5	16	508	A -6 455
41		8.0A	18 1.447	-0.0006	11	-6 36 25.56	-0.058	11	0.23	1.457	16	33.8	24.61	16	33.8	G0	16	509	A -7 407
42		8.9A	18 1.935	-0.0018	11	-6 24 55.33	-0.011	13	0.25	1.964	16	33.8	55.15	16	33.8	A3	16	510	A -6 456
43		9.0A	18 24.227	-0.0003	12	-4 19 40.84	0.009	12	0.25	24.232	16	33.8	40.98	16	33.8	K0 F	17	570	A -4 382
44		9.3A	18 31.757	0.0043	11	-8 57 45.08	-0.038	12	0.24	31.688	16	33.8	44.46	16	33.8	G5 R	16	511	A -9 445
45		9.2A	18 48.745	0.0010	09	-4 51 53.90	0.046	09	0.22	48.728	16	33.8	54.66	16	33.8	G3 F	17	571	A -5 442
46		9.0A	18 54.111	-0.0010	09	-0 52 24.62	-0.012	11	0.21	54.123	17	37.8	24.48	17	37.8	F5 R	21	470	A -1 320
47		8.8T	19 5.342	-0.0014	08	-3 11 20.84	-0.019	07	0.42	5.411	15	00.0	19.85	15	98.7	F8	GC	2839	-3 363
48		7.5A	19 6.926	-0.0013	09	-0 22 35.11	-0.029	11	0.21	6.942	17	37.8	34.76	17	37.8	K0	21	471	A -0 354
49		7.3T	19 10.016	0.0008	10	-0 34 44.55	-0.035	08	0.44	9.978	14	03.3	42.89	15	02.6	K0	GC	2840	-1 321
50		7.5A	19 12.250	0.0014	12	-7 46 15.89	-0.012	12	0.25	12.227	16	33.8	15.69	16	33.8	G5	16	512	A -8 428
51		9.0A	2 19 14.376	0.0204	12	-7 6 28.66	0.066	12	0.25	14.045	16	33.8	29.72	16	33.8	K0	16	513	A -7 410
52		8.4A	19 17.738	0.0065	12	-6 52 22.93	-0.024	12	0.25	17.633	16	33.8	22.53	16	33.8	G5	16	514	A -7 411
53		9.0A	19 19.866	-0.0012	11	-3 28 6.48	-0.073	13	0.25	19.886	16	33.8	5.29	16	33.8	K0 F	17	573	A -3 364
54		8.6A	19 22.124	-0.0017	12	-9 36 43.97	0.024	12	0.25	22.153	16	33.8	44.36	16	33.8	G5	16	515	A -10 479
55		9.0A	19 28.734	-0.0015	09	-4 44 16.91	-0.019	09	0.22	28.758	16	33.8	16.61	16	33.8	G0P F	17	574	A -5 447
56		9.0A	19 36.582	-0.0013	12	-9 8 58.08	0.018	12	0.25	36.603	16	33.8	58.36	16	33.8	K2 R	16	516	A -9 450
57		8.9A	19 36.695	0.0008	09	-0 29 4.10	-0.001	11	0.21	36.685	17	37.8	4.09	17	37.8	G0	21	475	A -0 356
58		5.6T	19 39.354	-0.0018	03	-1 6 42.00	-0.050	03	0.15	39.433	06	05.8	39.73	06	04.9	A5	GC	2850	B* -1 322
59		9.1A	19 41.967	0.0002	12	-7 42 30.64	-0.015	12	0.25	41.963	16	33.8	30.39	16	33.8	K2 R	16	517	A -8 430
60		8.6A	19 48.931	-0.0009	09	-0 2 4.48	-0.030	11	0.21	48.941	17	37.8	4.12	17	37.8	K0	21	477	A -0 357
61		9.1A	19 48.935	0.0012	09	-0 39 53.88	-0.016	11	0.21	48.921	17	37.8	53.69	17	37.8	K0 R	21	478	A -1 323
62		9.0A	19 58.790	0.0007	09	-1 14 58.45	-0.003	11	0.21	58.781	17	37.8	58.41	17	37.8	K2 R	21	479	A -1 324
63		9.0A	19 58.839	-0.0007	11	-6 23 34.88	-0.038	11	0.23	58.850	16	33.8	34.26	16	33.8	F8 R	16	518	A -6 463
64		8.5A	19 59.738	-0.0007	09	-0 43 55.77	-0.036	11	0.21	59.746	17	37.8	55.33	17	37.8	F5	21	480	A -1 325
65		9.1A	20 31.695	-0.0004	12	-8 40 49.99	0.006	12	0.25	31.702	16	33.8	50.08	16	33.8	K0 R	16	519	A -9 452
66		9.3A	20 46.068	0.0014	12	-6 26 57.86	-0.003	12	0.25	46.045	16	33.8	57.80	16	33.8	G5 R	16	520	A -6 467
67		9.3A	20 50.880	0.0053	12	-6 28 50.83	-0.033	12	0.25	50.795	16	33.8	50.29	16	33.8	G R	16	522	A -6 469
68		7.0T	20 52.947	-0.0006	10	-6 25 8.89	-0.048	10	0.51	52.979	14	97.8	6.41	12	98.5	F0	GC	2873	-6 470
69		8.9A	20 55.842	-0.0013	09	-0 46 26.65	0.001	11	0.21	55.857	17	37.8	26.66	17	37.8	K0 R	21	482	A -1 328
70		9.1A	21 1.136	0.0013	09	-1 17 55.61	0.006	11	0.21	1.120	17	37.8	55.69	17	37.8	G0 R	21	483	A -1 329
71		9.0A	21 5.093	0.0013	09	-0 52 1.39	-0.030	11	0.21	5.077	17	37.8	1.03	17	37.8	F8 R	21	484	A -1 330
72		8.6A	21 8.010	-0.0020	09	-3 36 10.88	-0.032	09	0.22	8.043	16	33.8	10.36	16	33.8	MA	17	575	A -4 390
73		8.1A	21 40.874	-0.0016	12	-7 37 52.62	-0.004	12	0.25	40.899	16	33.8	52.55	16	33.8	F5	16	525	A -8 440
74		8.8A	21 41.746	-0.0011	09	-3 27 51.64	0.049	09	0.22	41.764	16	33.8	52.43	16	33.8	F2	17	577	A -3 371
75		8.8A	21 43.698	-0.0027	11	-7 0 49.16	-0.076	11	0.23	43.742	16	33.8	47.92	16	33.8	F5	16	526	A -7 419
76		8.3A	21 44.882	0.0022	13	-2 8 20.55	-0.014	13	0.27	44.846	16	33.8	20.32	16	33.8	G0	17	578	A -2 401
77		8.9A	21 46.701	-0.0008	11	-2 30 33.64	0.011	11	0.23	46.713	16	33.8	33.81	16	33.8	A2	17	579	A -2 403
78		8.5A	21 49.335	0.0016	12	-8 50 4.76	-0.002	12	0.25	49.309	16	33.8	4.72	16	33.8	F0	16	527	A -9 455
79		7.2T	21 51.659	0.0048	11	-3 19 43.75	-0.133	11	0.60	51.412	19	98.7	36.83	18	98.1	F5	GC	2894	-3 372
80		8.7G	21 57.472	0.0031	09	-1 58 33.43	0.047	07	0.42	57.327	17	03.3	35.98	15	95.5	G0	GC	2896K	B* -2 404
81		8.2A	22 3.938	-0.0042	13	-2 14 7.49	-0.067	13	0.27	4.005	16	33.8	6.40	16	33.8	F5	17	582	A -2 405
82		9.2A	22 5.711	0.0037	12	-8 7 30.02	-0.026	12	0.25	5.651	16	33.8	29.59	16	33.8	G0 R	16	529	A -8 442
83		9.0A	22 9.124	0.0016	09	-6 7 8.30	-0.012	09	0.22	9.098	16	33.8	8.10	16	33.8	F5	16	530K	A -6 473
84		9.2G	22 20.783	0.0043	13	-2 20 14.90	-0.012	10	0.57	20.595	18	06.3	14.29	17	99.7		GC	2903K	-2 406
85		9.0G	22 21.340	0.0044	09	-2 20 15.26	-0.023	06	0.41	21.143	18	05.3	13.97	17	94.4	F2	GC	2904K	-2 406
86		8.6A	22 24.350	-0.0009	12	-9 14 13.83	-0.005	12	0.25	24.365	16	33.8	13.74	16	33.8	F8	16	531	A -9 456
87		7.1T	22 25.176	-0.0022	12	-4 7 2.95	-0.061	11	0.64	25.293	17	96.7	59.70	17	97.2	K0	GC	2908K	-4 394
88		6.3T	22 26.567	-0.0004	04	-3 0 19.47	-0.003	03	0.22	26.606	10	01.1	19.29	10	94.1	A0	GC	2910	B* -3 374
89		8.5A	22 36.490	0.0011	11	-4 58 19.91	0.004	11	0.23	36.472	16	33.8	19.99	16	33.8	F5	17	586	A -5 453
90		8.5A	22 37.603	0.0018	13	-4 6 3.76	-0.008	13	0.27	37.574	16	33.8	3.65	16	33.8	K0	17	587	A -4 396
91		8.6A	22 41.666	-0.0020	09	-3 26 33.02	-0.012	09	0.22	41.698	16	33.8	32.82	16	33.8	K5	17	588	A -3 375
92		8.2A	22 46.249	0.0010	18	-9 49 31.80	0.028	20	0.35	46.233	18	33.7	32.25	16	33.7	F2 J	11	542	A -10 488
93		9.1A	22 55.834	0.0011	12	-8 27 24.10	-0.027	12	0.25	55.816	16	33.8	23.66	16	33.8	K0 R	16	532	A -8 445
94		9.4A	23 0.933	-0.0016	12	-9 23 8.09	0.002	12	0.25	0.959	16	33.8	8.12	16	33.8	G5 R	16	533	A -9 457
95		8.9A	23 2.596	0.0000	13	-2 41 42.80	-0.009	13	0.27	2.595	16	33.8	42.65	16	33.8	G8 F	17	589	A -3 378
96		8.8A	23 18.048	-0.0011	12	-9 27 0.37	0.013	12	0.25	18.066	16	33.8	0.57	16	33.8	A0	16	534	A -9 459
97		9.0A	23 22.965	-0.0020	13	-8 26 35.69	0.008	13	0.27	22.997	16	33.8	35.81	16	33.8	K2 R	16	535	A -8 446
98		7.0I	23 28.709	0.0007	14	-0 24 10.98	0.011	13	0.68	28.675	18	02.8	11.52	18	01.8	M4E	GC	2929V	B* -0 361
99		7.8A	23 29.086	0.0014	12	-9 27 53.37	0.048	12	0.25	29.064	16	33.8	54.14	16	33.8	G5	16	536	A -9 461
00		9.2A	23 42.709	0.0037	09	-2 54 28.45	-0.035	09	0.22	42.649	16	33.8	27.88	16	33.8	G5 F	17	590	A -3 381

129900

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	SOURCE CAT.	STAR NUMBER	- 0° 2H DM NUMBER
1		9.0A	2 23 53.175	-0.0014	11	-4 6 5.93	-0.007	11	0.23	53.198	16	33.8	5.81	16	33.8	F0	17	591	A -4 400
2		8.8A	23 54.458	-0.0022	13	-2 29 51.41	-0.040	13	0.27	54.494	16	33.8	50.76	16	33.8	F5	17	592	A -2 408
3		8.9A	24 2.885	0.0014	12	-9 8 20.09	-0.015	12	0.25	2.863	16	33.8	19.84	16	33.8	F5	16	537	A -9 462
4		8.8A	24 5.799	0.0031	20	-9 50 26.00	-0.027	20	0.36	5.749	18	33.7	25.56	16	33.7	K0 J	11	549	A -10 492
5		8.6A	24 10.889	0.0022	12	-7 12 38.92	0.034	12	0.25	10.852	16	33.8	39.46	16	33.8	G5	16	538	A -7 429
6		9.3A	24 11.218	0.0023	09	-5 4 37.15	0.002	09	0.22	11.180	16	33.8	37.19	16	33.8	G8 F	17	593	A -5 458
7		9.3A	24 17.654	-0.0017	12	-6 18 44.65	-0.032	12	0.25	17.681	16	33.8	44.13	16	33.8	G0 R	16	539	A -6 480
8		8.8A	24 17.737	0.0007	12	-6 38 57.43	0.040	12	0.25	17.725	16	33.8	58.07	16	33.8	K0	16	540	A -7 431
9		8.3A	24 35.562	0.0002	12	-6 19 18.45	-0.015	12	0.25	35.560	16	33.8	18.20	16	33.8	K0	16	541	A -6 481
10		8.8A	24 44.089	-0.0020	11	-3 29 13.30	-0.009	11	0.23	44.122	16	33.8	13.15	16	33.8	A5	17	594	A -3 383
11		9.0A	24 45.565	-0.0001	09	-1 11 42.69	-0.012	11	0.21	45.566	17	37.8	42.55	17	37.8	A5 R	21	490	A -1 335
12		8.7A	24 49.305	-0.0012	09	-1 14 52.32	0.003	11	0.21	49.320	17	37.8	52.36	17	37.8	F0	21	491	A -1 336
13		8.0A	24 56.240	0.0008	09	-0 58 31.38	-0.007	11	0.21	56.230	17	37.8	31.30	17	37.8	K5	21	492	A -1 338
14		8.1A	24 56.689	0.0016	09	-2 56 44.16	-0.024	09	0.22	56.683	16	33.8	43.77	16	33.8	F5	17	595	A -3 384
15		8.3A	24 59.969	-0.0018	13	-2 10 6.72	-0.005	13	0.27	59.997	16	33.8	6.64	16	33.8	F2	17	596	A -2 412
16		9.0A	25 4.542	0.0002	09	-0 38 6.26	-0.027	11	0.21	4.540	17	37.8	5.93	17	37.8	F8 R	21	493	A -1 339
17		8.7A	25 5.405	0.0091	13	-2 14 22.39	-0.086	13	0.27	5.257	16	33.8	20.99	16	33.8	G0	17	597	A -2 413
18		7.3T	25 9.768	0.0020	15	-7 9 6.17	-0.030	13	0.78	9.663	18	97.1	4.55	18	96.6	G5	GC	2955	-7 432
19		9.0A	25 15.219	0.0147	11	-5 15 7.05	0.100	11	0.23	14.981	16	33.8	8.66	16	33.8	G0 R	17	598	A -5 463
20		9.0A	25 17.866	0.0024	09	-1 0 49.43	0.016	11	0.21	17.836	17	37.8	49.63	17	37.8	F5	21	494	A -1 340
21		8.6A	25 26.241	-0.0003	09	-0 0 6.36	-0.013	11	0.21	26.244	17	37.8	6.20	17	37.8	G5	21	495	A -0 365
22		9.0A	25 30.041	-0.0052	12	-7 25 33.80	-0.061	12	0.25	30.125	16	33.8	32.81	16	33.8	G0 R	16	543	A -7 435
23		8.5A	25 51.552	-0.0008	09	-0 27 33.07	-0.064	11	0.21	51.561	17	37.8	32.29	17	37.8	G5	21	497	A -0 367
24		9.2A	25 51.682	-0.0008	12	-9 37 35.51	0.007	12	0.25	51.695	16	33.8	35.62	16	33.8	G5	16	545	A -10 496
25		8.5A	25 51.926	0.0015	11	-5 30 17.50	-0.003	11	0.23	51.901	16	33.8	17.44	16	33.8	A3	17	599	A -5 467
26		9.2A	25 54.611	-0.0004	12	-7 35 17.66	-0.037	12	0.25	54.619	16	33.8	17.06	16	33.8	R0 R	16	546	A -8 456
27		8.5A	26 2.618	-0.0002	11	-3 39 35.34	-0.028	11	0.23	2.622	16	33.8	34.88	16	33.8	K0	17	600	A -4 404
28		8.6A	26 9.072	0.0006	15	-9 56 54.17	-0.006	17	0.31	9.063	18	33.7	54.07	16	33.7	A0 J	11	560	A -10 497
29		8.4A	26 12.752	0.0009	15	-9 49 7.32	0.022	17	0.31	12.736	18	33.7	7.67	16	33.7	F8 J	11	562	A -10 498
30		9.1A	26 14.962	0.0011	12	-7 22 47.36	-0.064	12	0.25	14.944	16	33.8	46.32	16	33.8	G0 R	16	547	A -7 437
31		8.9A	26 15.959	-0.0015	12	-8 58 32.39	-0.001	12	0.25	15.983	16	33.8	32.37	16	33.8	G5	16	549K	A -9 467
32		9.2A	26 18.548	-0.0025	12	-1 49 43.92	0.005	12	0.25	18.588	16	33.8	44.00	16	33.8	K2 F	17	601	A -2 416
33		8.1A	26 33.762	0.0016	09	-5 40 7.55	0.003	09	0.22	33.757	16	33.8	7.59	16	33.8	K0	17	602	A -6 486
34		9.1A	26 54.291	0.0004	12	-7 17 33.67	-0.002	12	0.25	54.285	16	33.8	33.63	16	33.8	A2	16	551	A -7 440
35		9.3A	27 2.271	0.0015	13	-7 18 14.51	-0.014	13	0.27	2.246	16	33.8	14.28	16	33.8	K2 R	16	552	A -7 441
36		8.3A	27 10.731	0.0002	09	-2 29 21.26	-0.003	09	0.22	10.728	16	33.8	21.21	16	33.8	F5	17	603K	A -2 419
37		8.8A	27 18.829	-0.0001	12	-9 37 16.78	0.015	12	0.25	18.831	16	33.8	17.02	16	33.8	K5	16	553	A -10 503
38		9.2A	27 24.932	-0.0004	12	-8 17 33.80	0.020	12	0.25	24.940	16	33.8	34.12	16	33.8	G5 R	16	554	A -8 465
39		9.1A	27 29.690	0.0110	09	-0 35 57.01	-0.012	11	0.21	29.556	17	37.8	56.86	17	37.8	K0 R	21	500	A -1 343
40		8.1A	27 32.637	0.0088	09	-2 36 55.39	-0.109	11	0.22	32.495	16	33.8	53.62	16	33.8	F8	17	604	A -3 389
41		8.7A	27 34.089	-0.0001	09	-0 7 7.26	-0.017	11	0.21	34.070	17	37.8	7.05	17	37.8	F8	21	501	A -0 373
42		8.4A	27 42.797	0.0010	09	-0 18 43.17	-0.030	11	0.21	42.785	17	37.8	42.81	17	37.8	A2	21	502	A -0 374
43		8.9A	27 43.757	-0.0004	13	-2 10 20.29	0.015	13	0.27	43.763	16	33.8	20.53	16	33.8	G8 F	17	605	A -2 422
44		8.9A	27 52.148	0.0063	12	-6 33 2.67	-0.032	12	0.25	52.045	16	33.8	2.34	16	33.8	F2	16	555	A -6 490
45		7.5A	27 56.358	-0.0016	09	-5 15 8.72	-0.009	11	0.22	56.383	16	33.8	8.58	16	33.8	A0	17	606	A -5 471
46		9.0A	27 56.408	0.0011	09	-1 1 31.35	-0.012	11	0.21	56.394	17	37.8	31.21	17	37.8	K2 R	21	504	A -1 345
47		7.8A	27 59.763	0.0002	13	-1 53 32.94	0.006	13	0.27	59.759	16	33.8	33.03	16	33.8	A5	17	607	A -2 423
48		8.9A	28 10.603	-0.0016	09	-2 20 26.01	-0.009	09	0.22	10.628	16	33.8	25.86	16	33.8	F5 F	17	608	A -2 426
49		8.5A	28 16.133	-0.0065	12	-3 25 26.33	-0.153	12	0.25	16.238	16	33.8	23.85	16	33.8	G0	17	609	A -3 390
50		9.1A	28 20.869	-0.0001	12	-6 5 17.49	-0.004	12	0.25	20.870	16	33.8	17.42	16	33.8	K2 R	16	556	A -6 492
51		9.1A	2 28 26.313	-0.0009	09	-0 37 31.12	0.001	11	0.21	26.324	17	37.8	31.13	17	37.8	G R	21	507	A -1 347
52		8.2A	28 27.523	-0.0006	12	-8 13 7.78	-0.024	12	0.25	27.533	16	33.8	7.38	16	33.8	A0	16	557	A -8 468
53		9.3A	28 42.400	-0.0012	12	-7 7 8.11	-0.010	12	0.25	42.420	16	33.8	7.94	16	33.8	G0 R	16	558	A -7 444
54		9.0A	28 54.280	-0.0005	12	-8 1 58.78	0.007	12	0.25	54.288	16	33.8	58.89	16	33.8	G0	16	559	A -8 469
55		8.3A	29 5.744	0.0010	09	-4 12 0.71	-0.005	09	0.22	5.727	16	33.8	0.62	16	33.8	A5	17	610	A -4 412
56		9.4A	29 30.590	-0.0028	15	-4 2 39.86	-0.025	15	0.29	30.635	16	33.8	39.45	16	33.8	A0 F	17	611	A -4 414
57		9.0A	29 33.352	-0.0008	09	-1 6 18.16	-0.009	11	0.21	33.362	17	37.8	18.06	17	37.8	K0 R	21	512	A -1 351
58		8.1A	29 35.775	0.0033	09	-1 24 53.63	-0.029	11	0.21	35.737	17	37.8	53.27	17	37.8	K2	21	513	A -1 352
59		5.5T	29 36.563	-0.0020	03	-1 15 17.21	-0.033	03	0.18	36.670	09	96.2	15.37	07	94.6	K0	GC	3043	B* -1 353
60		9.0A	29 39.030	-0.0004	11	-6 5 47.32	-0.047	11	0.23	39.037	16	33.8	46.56	16	33.8	F8 R	16	560	A -6 497
61		8.4A	29 49.084	0.0008	09	-0 31 43.73	-0.024	11	0.21	49.074	17	37.8	43.44	17	37.8	F0	21	515	A -0 381
62		8.5A	29 50.494	-0.0001	12	-7 23 22.01	0.010	12	0.25	50.496	16	33.8	22.16	16	33.8	F2	16	561	A -7 447
63		9.2A	29 54.433	-0.0039	12	-8 0 43.99	-0.087	12	0.25	54.496	16	33.8	42.57	16	33.8	G0 R	16	562	A -8 475
64		8.8A	29 55.905	-0.0015	09	-0 57 43.47	-0.049	11	0.21	55.923	17	37.8	42.87	17	37.8	K0	21	516	A -1 354
65		9.1A	29 57.716	-0.0068	09	-9 10 48.71	-0.095	09	0.22	57.826	16	33.8	47.16	16	33.8	G5	16	563	A -9 476
66		9.0A	30 0.849	-0.0040	12	-6 57 48.58	-0.050	12	0.25	0.914	16	33.8	47.77	16	33.8	F8 R	16	564	A -7 448
67		8.3A	30 5.362	-0.0027	09	-2 14 22.40	-0.018	09	0.22	5.405	16	33.8	22.10	16	33.8	F0	17	613	A -2 432
68		8.3A	30 8.926	-0.0009	13	-1 58 34.65	-0.024	13	0.27	8.939	16	33.8	34.26	16	33.8	F0	17	614K	A -2 433
69		8.5A	30 27.888	-0.0007	12	-8 55 11.06	0.013	12	0.25	27.899	16	33.8	11.27	16	33.8	F5	16	565	A -9 478
70		8.8A	30 37.171	0.0010	09	-2 36 55.65	-0.003	09	0.22	37.154	16	33.8	55.59	16	33.8	F5	17	615	A -3 396
71		8.3A	30 42.000	0.0004	09	-0 5 9.88	0.008	11	0.21	41.995	17	37.8	9.98	17	37.8	G5	21	521	A -0 382
72		9.3A	30 42.706	-0.0007	12	-7 5 33.87	0.004	12	0.25	42.718	16	33.8	33.94	16	33.8	G0 R	16	566	A -7 449
73		9.1A	30 46.930	-0.0007	09	-4 3 34.84	-0.001	09	0.22	46.941	16	33.8	34.82	16	33.8	A0	17	616	A -4 419
74		9.2A	30 58.397	0.0019	09	-1 20 33.04	0.002	11	0.21	58.374	17	37.8	33.07	17	37.8	K2 R	21	522	A -1 358
75		8.3A	31 23.359	-0.0002	12	-6 13 28.95	-0.002	12	0.25	23.361	16	33.8	28.92	16	33.8	MA	16	567	A -6 501
76		8.9A	31 23.504	0.0016	11	-2 25 33.10	-0.026	13	0.25	23.478	16	33.8	32.67	16	33.8	F2	17	617	A -2 439
77		9.0A	31 25.779	-0.0019	13	-3 25 21.88	0.007	13	0.27	25.810	16	33.8	21.99	16	33.8	F8P F	17	618	A -3 400
78		8.4A	31 26.084	-0.0015	09	-0 15 29.55	-0.027	11	0.21	26.103	17	37.8	29.22	17	37.8	F0	21	523	A -0 384
79		9.0A	31 30.252	0.0036	12	-8 10 47.94	-0.016	12	0.25	30.194	16	33.8	47.68	16	33.8	G0	16	568	A -8 480
80		9.0A	31 35.176	0.0005	09	-1 27 12.50	-0.050	11	0.21	35.170	17	37.8	11.89	17	37.8	F8 R	21	524	A -1 359
81		8.0B	31 37.721	0.0010	06	-5 51 13.88	0.041	04	0.32	37.665	12	94.6	16.41	10	88.6	K2	GC	3081K	B* -6 502
82		8.9A	31 53.875	0.0032	12	-6 31 32.70	0.057	12	0.25	53.823	16	33.8	33.62	16	33.8	F8 R	16	570	A -6 503
83		6.7A	32 8.784	-0.0011	11	-3 0 44.55	-0.009	11	0.23	8.801	16	33.8	44.40	16	33.8	MA	17	620	A -3 404
84		5.8T	32 14.490	0.0039	04	-8 4 36.36	-0.062	03	0.21	14.297	10	00.7	33.23	09	99.4	K0	GC	3091	B* -8 484
85		8.4A	32 20.316	0.0012	09	-0 35 18.53	0.001	11	0.21	20.302	17	37.8	18.54	17	37.8	K0	21	528	A -0 387
86		8.9A	32 23.590	0.0030	09	-1 24 26.49	0.002	11	0.21	23.554	17	37.8	26.51	17	37.8	F5	21	529	A -1 360
87		8.9A	32 35.166	-0.0013	09	-0 31 33.56	0.004	11	0.21	35.182	17	37.8	33.61	17	37.8	K0 R	21	531	A -0 389
88		8.8A	32 35.646	-0.0018	12	-7 56 13.00	-0.001	12	0.25	35.674	16	33.8	12.99	16	33.8	K0	16	572	A -8 485
89		8.5A	32 39.647	-0.0027	12	-9 39 39.33	0.025	12	0.25	39.691	16	33.8	39.74	16	33.8	R3	16	573	A -10 513
90		9.1A	32 45.683	0.0008	20	-9 38 5.96	0.054	20	0.36	45.670	18	33.7	6.84	16	33.7	G5 J	11	596	A -10 514
91		9.1A	32 47.329	-0.0029	11	-1 47 37.06	-0.003	11	0.23	47.375	16	33.8	37.01	16	33.8	K2 F	17	621	A -2 442
92		6.8T	32 49.378	-0.0103	04	-3 46 20.13	-0.428	03	0.22	49.961	10	93.3	52.97	09	86.6	G0	GC	3106	B* -4 426
93		8.1A	32 51.295	-0.0004	11	-2 40 45.92	-0.075	11	0.23	51.301	16	33.8	44.70	16	33.8	G5	17	623	A -3 406
94		7.2T	32 57.657	0.0000	12	-9 34 6.55	-0.006	10	0.61	57.657	21	98.6	6.22	19	94.6	A0	GC	3108	-9 484
95		8.9B	33 2.551	0.0029	10	-3 40 28.94	0.041	08	0.46	2.410	17	01.4	30.98	15	99.9	K0	GC	3111	-4 428
96		8.9A	33 3.395	0.0049	11	-5 53 11.14	0.060	11	0.23	3.315	16	33.8	12.11	16	33.8	G0	16	575	A -6 506
97		8.7A	33 15.180	-0.0002	09	-0 34 2.19	-0.011	11	0.21	15.182	17	37.8	2.06	17	37.8	A5	21	532	A -0 394
98		8.3A	33 17.216	0.0003	09	-2 2 52.05	-0.050	09	0.22	17.212	16	33.8	51.23	16	33.8	K0	17	625	A -2 444
99		8.3A	33 20.850	0.0121	13	-3 13 31.86	0.016	13	0.27	20.653	16	33.8	32.11	16	33.8	G0	17	626	A -3 407
00		9.0A	33 21.452	0.0033	13	-2 9 31.75	-0.006	13	0.27	21.399	16	33.8	31.65	16	33.8	F0	17	627	A -2 445

130000

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.		SOURCE CAT.	STAR NUMBER	00 2H DM NUMBER
1		8.7A	2 33 23.664	-0.0023	09	-0 2 57.70	-0.027	11	0.21	23.691	17	37.8	57.37	17	37.8	G5		21	533	A -0 395
2		8.8A	33 24.780	0.0024	12	-8 46 58.73	0.022	12	0.25	24.741	16	33.8	59.09	16	33.8	G5		16	577	A -9 486
3		9.2A	33 30.788	0.0011	12	-8 9 15.25	-0.015	12	0.25	30.769	16	33.8	15.01	16	33.8			16	578	A -8 488
4		5.7M	33 32.231	-0.0026	02	-8 2 53.22	-0.057	02	0.07	32.299	04	23.4	51.48	04	19.6	K5		F4	1074	-8 489
5		9.0A	33 35.137	0.0005	13	-4 23 15.82	-0.017	13	0.27	35.128	16	33.8	15.54	16	33.8	F5		17	628	A -4 430
6		8.2A	33 35.208	-0.0016	13	-4 29 29.85	-0.013	13	0.27	35.234	16	33.8	29.63	16	33.8	K0		17	629	A -4 431
7		9.0A	33 43.302	-0.0002	13	-4 42 15.58	0.025	13	0.27	43.305	16	33.8	15.98	16	33.8	F2		17	630	A -5 487
8		7.8A	33 53.276	0.0013	09	-0 51 24.28	-0.044	11	0.21	53.260	17	37.8	23.74	17	37.8	A3		21	534	A -1 363
9		9.2A	34 4.152	0.0004	12	-8 1 45.15	0.009	12	0.25	4.145	16	33.8	45.30	16	33.8	K0	R	16	580	A -8 491
10		9.1A	34 6.828	0.0016	09	-1 0 22.22	-0.002	11	0.21	6.808	17	37.8	22.20	17	37.8	F8	R	21	535	A -1 364
11		8.7Q	34 9.328	0.0219	12	-3 22 26.26	0.049	10	0.57	8.272	14	01.8	28.74	14	99.3	K0		GC	3141	-3 410
12		8.3A	34 19.848	-0.0005	13	-3 47 11.68	-0.011	13	0.27	19.857	16	33.8	11.49	16	33.8	A2		17	632K	A -4 433
13		8.9A	34 25.588	0.0005	09	-2 3 15.83	-0.014	09	0.22	25.580	16	33.8	15.60	16	33.8	F5		17	633	A -2 451
14		9.0A	34 25.729	-0.0024	09	-1 22 38.85	-0.044	11	0.21	25.758	17	37.8	38.32	17	37.8	F8	R	21	536	A -1 365
15		9.0A	34 28.165	-0.0016	13	-4 45 48.44	-0.022	13	0.27	28.190	16	33.8	48.08	16	33.8	F9	F	17	634	A -5 489
16		8.7A	34 29.286	0.0007	13	-8 33 36.51	0.028	13	0.27	29.274	16	33.8	36.96	16	33.8	A5		16	581	A -8 493
17		9.3A	34 33.631	0.0059	12	-9 19 6.98	0.016	12	0.25	33.536	16	33.8	7.24	16	33.8	G0	R	16	583	A -9 491
18		9.3A	34 34.659	-0.0008	12	-6 13 4.28	-0.106	12	0.25	34.671	16	33.8	2.56	16	33.8	G0	R	16	582	A -6 509
19		9.0A	34 35.532	0.0003	09	-1 14 7.64	-0.030	11	0.21	35.528	17	37.8	7.28	17	37.8	F0	R	21	537	A -1 366
20		7.2A	34 35.932	0.0023	13	-2 33 3.17	0.014	13	0.27	35.895	16	33.8	3.39	16	33.8	F2		17	635	A -2 452
21		9.1A	34 40.529	0.0021	12	-9 38 31.35	0.043	12	0.25	40.494	16	33.8	32.05	16	33.8	G0		16	584	A -10 518
22		8.3A	34 40.548	-0.0027	13	-4 7 27.14	-0.016	13	0.27	40.592	16	33.8	26.88	16	33.8	F5		17	636	A -4 434
23		9.0A	34 42.121	-0.0036	09	-0 24 55.83	-0.084	11	0.21	42.164	17	37.8	54.81	17	37.8	K0	R	21	538	A -0 401
24		8.7A	34 54.101	-0.0008	13	-2 31 37.65	-0.026	13	0.27	54.113	16	33.8	37.22	16	33.8	K1	F	17	637	A -2 454
25		8.6A	35 1.509	-0.0006	13	-5 18 22.16	0.037	13	0.27	1.519	16	33.8	22.76	16	33.8	F5		17	638	A -5 491
26		5.8T	35 10.495	0.0024	04	-3 36 41.63	-0.039	03	0.20	10.361	07	94.4	39.46	07	94.9	K0		GC	3158	B* -4 436
27		8.8A	35 14.147	-0.0006	13	-2 38 42.62	-0.029	13	0.27	14.156	16	33.8	42.14	16	33.8	K2	F	17	640	A -3 413
28		8.9A	35 52.232	-0.0009	12	-7 48 20.77	-0.032	12	0.25	52.246	16	33.8	20.25	16	33.8	A0		16	586	A -8 497
29		8.0A	35 52.516	0.0015	13	-1 37 25.98	0.022	13	0.27	52.491	16	33.8	26.33	16	33.8	F2		16	641K	A -2 456
30		8.6A	36 7.955	-0.0005	12	-7 44 43.60	0.004	12	0.25	7.964	16	33.8	43.67	16	33.8	F0		16	587	A -8 498
31		9.0A	36 8.419	0.0014	09	-1 27 29.90	0.029	11	0.21	8.402	17	37.8	30.26	17	37.8	F0		21	540	A -1 372
32		8.7A	36 23.453	-0.0005	13	-1 48 1.48	0.008	13	0.27	23.461	16	33.8	1.60	16	33.8	G0		17	643K	A -2 460
33		8.5A	36 26.733	0.0011	13	-2 47 59.48	-0.172	13	0.27	26.715	16	33.8	56.69	16	33.8	G5		17	644	A -3 415
34		9.2A	36 29.371	-0.0027	12	-8 36 1.74	-0.001	12	0.25	29.414	16	33.8	1.73	16	33.8	G0	R	16	588	A -9 496
35		9.0A	36 30.488	-0.0006	09	-3 24 34.70	-0.031	09	0.22	30.497	16	33.8	34.19	16	33.8	G8	F	17	645	A -3 416
36		7.1T	36 32.887	0.0168	16	-9 8 31.45	-0.030	11	0.66	32.131	19	05.0	29.91	19	98.7	G0		GC	3177	-9 497
37		8.9A	36 42.087	-0.0021	11	-9 44 41.15	-0.007	11	0.23	42.121	16	33.8	41.04	16	33.8	G5		16	590	A -10 521
38		8.3Q	36 46.111	0.0046	09	-2 6 57.74	-0.009	05	0.39	45.888	15	01.4	57.20	15	91.4	G0		GC	3184K	B* -2 462
39		7.8A	36 47.457	-0.0006	13	-2 17 14.70	-0.001	13	0.27	47.466	16	33.8	14.68	16	33.8	B9		17	647	A -2 463
40		9.0A	36 52.441	0.0021	12	-8 27 49.12	0.008	12	0.25	52.406	16	33.8	49.25	16	33.8	F2		16	591	A -8 499
41		9.0A	36 53.833	-0.0020	12	-9 22 39.84	0.002	12	0.25	53.866	16	33.8	39.88	16	33.8	G5		16	592	A -9 498
42		8.1Q	37 17.828	0.0052	15	-0 3 55.68	-0.159	13	0.61	17.615	17	09.3	48.86	17	07.1	G0		GC	3203K	B* -0 407
43		8.7A	37 30.563	-0.0017	12	-9 4 56.80	0.008	12	0.25	30.590	16	33.8	56.93	16	33.8	K0		16	593	A -9 500
44		9.0A	37 30.658	0.0005	09	-3 8 39.06	-0.005	09	0.22	30.650	16	33.8	38.97	16	33.8	F7	F	17	648	A -3 417
45		9.3A	37 37.335	0.0029	12	-5 53 36.17	-0.017	12	0.25	37.287	16	33.8	35.89	16	33.8	G0	R	16	594	A -6 513
46		8.5A	37 38.411	-0.0003	09	-0 28 51.17	0.003	11	0.21	38.414	17	37.8	51.21	17	37.8	G5		21	545	A -0 408
47		5.9T	37 46.285	-0.0106	07	-9 39 57.47	-0.084	06	0.30	46.761	10	05.1	53.69	09	05.0	F5		GC	3216	-10 525
48		9.0A	37 56.229	-0.0009	12	-7 38 42.09	0.029	12	0.25	56.244	16	33.8	42.56	16	33.8	F5		16	596	A -8 504
49		9.1A	38 3.432	-0.0007	09	-0 53 25.94	-0.015	11	0.21	3.440	17	37.8	25.76	17	37.8	F0	R	21	546	A -1 375
50		8.4A	38 4.347	-0.0028	13	-5 14 20.33	-0.026	13	0.27	4.392	16	33.8	19.91	16	33.8	K0		17	649	A -5 498
51		8.6A	2 38 6.321	-0.0017	13	-3 55 21.29	0.031	13	0.27	6.348	16	33.8	21.79	16	33.8	G5		17	650	A -4 446
52		8.3A	38 8.745	-0.0003	09	-2 8 19.11	-0.029	09	0.22	8.749	16	33.8	18.64	16	33.8	K0		17	651	A -2 469
53		9.0A	38 9.202	-0.0008	13	-4 36 39.66	-0.003	13	0.27	9.214	16	33.8	39.61	16	33.8	A0		17	652	A -5 499
54		8.7A	38 35.711	0.0001	12	-8 5 24.50	-0.018	12	0.25	35.710	16	33.8	24.21	16	33.8	K2		16	597	A -8 506
55		5.7T	38 40.075	0.0140	04	-0 54 26.44	-0.131	03	0.22	39.354	09	98.6	18.76	09	91.4	F5		GC	3235K	B* -1 377
56		8.3A	38 43.866	0.0020	13	-4 58 56.05	-0.005	13	0.27	43.833	16	33.8	55.96	16	33.8	F0		17	654	A -5 501
57		8.9A	38 44.483	0.0023	09	-1 27 25.62	0.007	11	0.21	44.455	17	37.8	25.70	17	37.8	A0		21	550	A -1 378
58		9.0A	38 47.689	0.0024	09	-0 18 21.51	0.007	11	0.21	47.660	17	37.8	21.59	17	37.8	G0	R	21	551	A -0 409
59		8.6A	38 48.286	-0.0003	15	-9 58 36.30	-0.024	17	0.31	48.290	18	33.8	35.91	16	33.8	G0	J	11	623	A -10 530
60		9.0A	38 51.989	0.0025	09	-1 20 54.75	-0.008	11	0.21	51.959	17	37.8	54.65	17	37.8	K0	R	21	552	A -1 379
61		6.1T	39 17.066	-0.0016	10	-3 25 34.78	0.006	12	0.58	17.149	15	97.9	35.06	14	00.3	K0		GC	3249	-3 421
62		9.0A	39 32.530	0.0029	09	-0 49 11.67	-0.014	11	0.21	32.495	17	37.8	11.50	17	37.8	F2	R	21	555	A -1 381
63		8.3A	39 41.972	-0.0000	12	-8 35 19.12	0.056	12	0.25	41.972	16	33.8	20.03	16	33.8	K0		16	599	A -9 509
64		9.1A	39 42.789	0.0009	11	-6 19 28.62	-0.002	11	0.23	42.775	16	33.8	28.59	16	33.8	F2	R	16	598	A -6 520
65		9.0A	39 46.339	0.0100	11	-2 33 52.41	0.036	11	0.23	46.177	16	33.8	52.99	16	33.8	K0		17	656	A -2 476
66		9.0A	39 49.236	0.0031	12	-7 24 2.25	-0.007	12	0.25	49.186	16	33.8	2.14	16	33.8	G0		16	600	A -7 472
67		9.0A	40 8.274	0.0002	12	-7 39 42.12	-0.010	12	0.25	8.271	16	33.8	41.96	16	33.8	K2	R	16	601	A -8 511
68		8.9A	40 10.749	-0.0039	09	-3 59 13.98	-0.112	09	0.22	10.812	16	33.8	12.16	16	33.8	F5		17	658	A -4 453
69		8.8A	40 20.101	-0.0073	13	-4 31 35.59	-0.039	13	0.27	20.219	16	33.8	34.95	16	33.8	G0		17	659	A -4 454
70		8.5A	40 23.587	0.0047	12	-6 42 1.99	-0.047	12	0.25	23.511	16	33.8	1.23	16	33.8	G0		16	602K	A -7 473
71		9.2A	40 31.644	0.0049	13	-4 29 12.69	-0.002	13	0.27	31.565	16	33.8	12.65	16	33.8	F8	F	17	660	A -4 456
72		7.5A	40 38.519	0.0042	12	-6 51 14.14	-0.039	12	0.25	38.450	16	33.8	13.51	16	33.8	K0		16	603	A -7 474
73		8.8A	40 43.366	0.0009	09	-0 7 28.15	-0.008	11	0.21	43.354	17	37.8	28.05	17	37.8	M0	R	21	558	A -0 414
74		9.0A	40 44.547	-0.0013	09	-1 20 45.81	0.037	11	0.21	44.563	17	37.8	46.26	17	37.8	K0	R	21	559	A -1 384
75		8.6A	40 47.479	0.0012	09	-1 4 11.07	0.030	11	0.21	47.465	17	37.8	11.44	17	37.8	K0	R	21	560	A -1 385
76		9.1A	40 52.170	-0.0026	13	-7 24 13.51	-0.021	13	0.27	52.211	16	33.8	13.17	16	33.8	G5	R	16	604	A -7 476
77		8.8A	40 52.271	-0.0008	11	-8 29 37.11	-0.013	11	0.23	52.284	16	33.8	37.32	16	33.8	K2	R	16	605	A -8 513
78		9.0A	40 55.495	-0.0017	09	-5 40 31.98	-0.005	09	0.22	55.522	16	33.8	31.90	16	33.8	K2	R	17	662	A -6 523
79		6.6T	40 57.050	0.0011	07	-2 44 35.75	0.006	06	0.27	57.003	07	08.6	35.99	07	09.2	K0		GC	3283	-3 426
80		8.4A	41 3.640	-0.0029	09	-0 33 20.15	-0.015	11	0.21	3.675	17	37.8	19.97	17	37.8	G0		21	562	A -0 415
81		9.0A	41 11.328	-0.0021	09	-0 0 2.29	-0.008	11	0.21	11.353	17	37.8	2.19	17	37.8	K5	R	21	563	A -0 418
82		8.6A	41 23.622	-0.0013	11	-7 24 33.85	-0.064	11	0.23	23.643	16	33.8	32.82	16	33.8	F2		16	607	A -7 479
83		6.6T	41 27.909	0.0021	15	-8 7 20.34	-0.037	15	0.77	27.805	22	01.0	18.49	22	99.9	K0		GC	3291	-8 515
84		7.0T	41 31.353	0.0092	12	-6 13 13.47	0.033	11	0.62	30.878	17	98.4	15.20	17	98.0	F5		GC	3293	-6 524
85		8.3A	41 31.460	0.0002	11	-6 33 24.86	-0.013	11	0.23	31.457	16	33.8	24.65	16	33.8	K2		16	610	A -6 525
86		8.7A	41 32.910	-0.0021	11	-9 23 15.96	0.002	11	0.23	32.944	16	33.8	16.00	16	33.8	G5		16	611	A -9 514
87		8.3A	41 40.144	0.0023	12	-6 37 28.76	-0.002	12	0.25	40.107	16	33.8	28.73	16	33.8	MA		16	612	A -7 481
88		8.5A	41 51.485	0.0002	09	-4 43 52.00	0.022	09	0.22	51.482	16	33.8	52.35	16	33.8	K5		17	663	A -5 509
89		9.0A	41 59.212	0.0015	09	-1 15 35.90	0.020	11	0.21	59.194	17	37.8	36.14	17	37.8	F5		21	566	A -1 387
90		8.7Q	42 7.784	0.0000	11	-2 10 20.92	-0.011	10	0.54	7.783	17	02.0	20.32	15	96.8	F0		GC	3306K	B* -2 480
91		8.0A	42 9.738	-0.0000	09	-1 3 23.22	0.013	11	0.21	9.738	17	37.8	23.38	17	37.8	K0		21	567	A -1 388
92		8.2A	42 13.277	-0.0006	12	-8 12 43.81	-0.042	12	0.25	13.286	16	33.8	43.13	16	33.8	K2		16	613	A -8 516
93		8.9A	42 19.296	-0.0010	12	-8 14 30.42	-0.008	12	0.25	19.312	16	33.8	30.30	16	33.8	K0	R	16	614	A -8 517
94		8.6A	42 22.737	-0.0009	09	-0 12 50.13	-0.014	11	0.21	22.748	17	37.8	49.96	17	37.8	K0		21	568	A -0 422
95		8.5A	42 27.100	-0.0014	09	-0 24 8.13	-0.005	11	0.21	27.117	17	37.8	8.07	17	37.8	K2		21	569	A -0 424
96		9.0A	42 46.157	-0.0012	09	-5 41 34.29	0.001	09	0.22	46.177	16	33.8	34.31	16	33.8	G0	R	17	665K	A -6 537
97		9.0A	42 51.350	-0.0002	12	-5 56 20.08	-0.037	12	0.25	51.352	16	33.8	19.48	16	33.8	F8	R	16	616	A -6 538
98		8.9A	42 52.142	-0.0005	12	-9 32 28.50	0.032	12	0.25	52.150	16	33.8	29.02	16	33.8	K		16	617	A -9 523
99		8.9A	43 2.755	0.0007	12	-6 33 21.99	0.012	12	0.25	2.744	16	33.8	22.19	16	33.8	F0	R	16	618	A -6 539
00		7.7A	43 29.553	0.0023	09	-5 9 57.95	0.002	09	0.22	29.515	16	33.8	57.99	16	33.8	F2		17	666K	A -5 514

130100

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	– 00 2H DM NUMBER
1		9.0A	2 43 34.996	0.0060	12	-7 1 50.21	0.002	12	0.25	34.888	16	33.8	50.24	16	33.8	GS	16	619	A -7 486
2		9.0A	43 47.256	0.0089	09	-0 36 9.36	0.036	11	0.21	47.221	17	37.8	9.82	17	37.8	KO R	21	572	A -1 389
3		9.0A	43 99.422	0.0060	09	-1 15 28.61	0.018	11	0.21	99.388	17	37.8	28.83	17	37.8	KO R	21	573	A -1 390
4		8.5A	43 59.943	0.0035	09	-1 39 55.31	-0.013	09	0.22	59.886	16	33.8	55.28	16	33.8	KO	17	667	A -1 391
5		8.5A	44 4.511	-0.0048	12	-8 14 13.15	-0.029	12	0.25	4.589	16	33.8	12.68	16	33.8	GS	16	621	A -8 522
6		8.0A	44 5.484	-0.0022	12	-6 54 38.82	-0.007	12	0.25	5.519	16	33.8	38.81	16	33.8	FD	16	620	A -7 490
7		8.8A	44 14.901	-0.0014	12	-7 12 8.26	-0.025	12	0.25	14.923	16	33.8	7.88	16	33.8	KO	16	622	A -7 490
8		9.2A	44 15.492	0.0011	09	-1 51 19.15	-0.001	08	0.22	15.473	16	33.8	19.13	16	33.8	F8 F	17	668	A -2 485
9		8.0A	44 17.825	0.0033	12	-6 2 21.63	0.091	12	0.25	17.775	16	33.8	23.10	16	33.8	GO R	16	623	A -6 540
10		9.3A	44 26.006	-0.0003	13	-6 6 58.24	0.014	13	0.27	26.011	16	33.8	58.47	16	33.8	F2 R	16	624	A -6 541
11		8.6A	44 36.926	-0.0005	09	-3 28 7.16	0.022	09	0.22	36.934	16	33.8	7.51	16	33.8	GS	17	668	A -3 436
12		8.1A	44 44.044	-0.0008	12	-5 58 39.60	-0.009	12	0.25	44.054	16	33.8	39.45	16	33.8	FD	16	625	A -6 542
13		9.1A	44 53.321	0.0030	09	-0 24 54.34	0.075	11	0.22	53.283	17	37.4	55.29	17	37.4	GS R	21	576	A -0 431
14		8.9A	44 54.142	-0.0005	12	-3 30 18.51	-0.013	12	0.25	54.150	16	33.8	18.29	16	33.8	GO	17	670	A -3 437
15		8.3A	45 2.062	-0.0005	12	-9 12 12.32	0.000	12	0.25	2.070	16	33.8	12.32	16	33.8	KO	16	626	A -9 529
16		9.0A	45 3.713	0.0078	09	-2 47 24.61	0.039	09	0.22	3.586	16	33.8	25.44	16	33.8	K0 F	17	671	A -3 438
17		6.7T	45 42.233	0.0011	12	-3 49 35.54	-0.013	12	0.68	42.178	15	00.6	34.88	15	00.6	AD	GC	3367	-4 470
18		8.3A	45 50.987	-0.0002	12	-5 5 21.72	-0.114	12	0.25	51.003	16	33.8	19.80	16	33.8	GO	17.	673	A -5 519
19		8.3A	45 52.685	0.0001	13	-5 7 41.08	-0.018	13	0.27	52.684	16	33.8	40.79	16	33.8	GO	17	675	A -5 521
20		8.7A	45 54.650	-0.0005	12	-8 26 39.49	0.002	12	0.25	54.658	16	33.8	39.52	16	33.8	F5	16	627	A -8 548
21		9.1A	45 56.094	0.0106	09	-1 29 23.40	0.072	11	0.22	55.959	17	37.4	24.31	17	37.4	G5 R	21	582	A -1 395
22		8.5A	45 58.912	0.0018	12	-6 23 43.39	-0.080	12	0.25	58.883	16	33.8	43.07	16	33.8	KO	16	628	A -6 549
23		8.0A	46 0.078	-0.0008	12	-5 56 45.79	-0.086	12	0.25	0.082	16	33.8	45.37	16	33.8	KO	16	629	A -6 550
24		9.0A	46 19.134	0.0008	12	-8 57 59.62	0.085	12	0.25	19.121	16	33.8	0.04	16	33.8	KO R	16	630	A -9 531
25		8.3A	46 19.254	-0.0017	09	-1 43 9.01	0.176	09	0.22	19.261	16	33.8	11.85	16	33.8	F8	17	676	A -2 491
26		7.7A	46 26.027	0.0007	12	-5 22 33.35	-0.043	12	0.25	26.015	16	33.8	32.66	16	33.8	FD	17	677	A -5 524
27		7.1T	46 32.161	-0.0007	13	-4 25 54.81	-0.017	12	0.68	32.216	17	99.1	53.91	17	98.5	KS	GC	3379	-4 476
28		9.2A	46 32.471	0.0019	12	-7 53 30.01	-0.044	12	0.25	32.441	16	33.8	29.30	16	33.8	KO R	16	631	A -8 529
29		9.1A	46 32.719	-0.0038	13	-4 16 9.81	-0.102	11	0.25	32.782	16	33.8	8.15	16	33.8	KO	17	679	A -4 477
30		9.2A	46 46.389	-0.0003	12	-7 22 33.95	0.009	12	0.25	46.393	16	33.8	34.10	16	33.8	F8 R	16	632	A -7 501
31		9.0A	46 49.744	-0.0012	09	-0 13 42.78	-0.003	11	0.22	49.759	17	37.4	42.74	17	37.4	KO	21	586	A -0 436
32		9.1A	46 51.083	0.0010	12	-6 4 21.22	0.031	12	0.25	51.067	16	33.8	21.72	16	33.8	KO R	16	633	A -6 554
33		9.0A	46 57.442	-0.0008	12	-7 21 13.68	0.015	12	0.25	57.455	16	33.8	13.92	16	33.8	KO R	16	634	A -7 502
34		8.5A	47 10.817	0.0037	12	-9 43 55.94	0.033	12	0.25	10.757	16	33.8	56.48	16	33.8	F8	16	635	A -10 558
35		8.7A	47 11.715	0.0003	09	-3 45 16.04	-0.011	09	0.22	11.710	16	33.8	15.86	16	33.8	K2	17	680	A -4 479
36		9.0A	47 24.103	-0.0003	09	-0 27 35.75	0.025	11	0.22	24.107	17	37.4	36.06	17	37.4	KO R	21	590	A -0 437
37		8.6A	47 31.301	0.0056	09	-4 55 10.76	-0.086	09	0.22	31.209	16	33.8	10.33	16	33.8	FD	17	681	A -5 527
38		9.0A	47 42.832	-0.0025	09	-2 10 2.15	-0.025	09	0.22	42.870	16	33.8	1.74	16	33.8	KO F	17	682	A -2 498
39		7.1T	47 51.743	-0.0021	08	-5 11 32.88	0.002	08	0.46	51.857	14	95.0	33.01	14	96.3	AO	GC	3409K	B* -5 528
40		7.4A	47 51.908	0.0003	12	-7 0 43.90	-0.019	12	0.25	51.903	16	33.8	43.60	16	33.8	KO	16	636	A -7 505
41		8.3A	47 52.226	0.0039	12	-6 56 21.11	-0.043	12	0.25	52.163	16	33.8	20.41	16	33.8	G	16	637	A -7 506
42		9.3A	48 31.138	0.0025	12	-6 38 55.37	-0.031	12	0.25	31.098	16	33.8	54.87	16	33.8	KO R	16	638	A -7 508
43		9.1A	48 45.877	0.0019	11	-8 39 3.48	-0.004	11	0.22	45.847	16	33.8	3.42	16	33.8	KO R	16	639	A -8 534
44		9.2A	48 48.133	-0.0018	12	-7 26 12.16	-0.012	12	0.25	48.162	16	33.8	11.97	16	33.8	F8 R	16	640	A -7 509
45		7.7A	48 51.082	-0.0002	09	-3 12 9.42	-0.014	09	0.22	51.086	16	33.8	9.19	16	33.8	A0	17	684	A -3 453
46		9.0A	48 53.104	-0.0001	09	-0 15 50.32	0.061	11	0.22	53.105	17	37.4	51.09	17	37.4	GO R	21	593	A -0 442
47		8.7A	48 53.270	-0.0004	09	-1 22 10.04	0.011	11	0.22	53.275	17	37.4	10.18	17	37.4	KO	21	595	A -1 399
48		8.0A	48 53.536	0.0049	09	-0 53 35.31	0.038	11	0.22	53.475	17	37.4	35.79	17	37.4	F2	21	594	A -1 398
49		8.2A	48 55.672	-0.0001	09	-0 7 8.49	0.050	11	0.22	55.673	17	37.4	8.87	17	37.4	KO	21	596	A -0 443
50		8.9A	48 58.317	-0.0019	09	-4 43 40.55	-0.001	09	0.22	58.348	16	33.8	40.53	16	33.8	K5	17	685	A -5 532
51		8.9A	2 48 59.268	0.0004	09	-1 2 53.33	-0.025	11	0.22	59.264	17	37.4	53.01	17	37.4	G5 R	21	597	A -1 400
52		9.1A	49 1.700	0.0057	12	-5 56 45.52	-0.031	12	0.25	1.639	16	33.8	45.02	16	33.8	G5	16	641	A -6 561
53		8.9A	49 9.369	0.0012	12	-6 50 1.45	-0.030	12	0.25	9.350	16	33.8	0.97	16	33.8	F5	16	642	A -7 510
54		9.0A	49 18.101	0.0000	09	-3 40 28.21	-0.039	09	0.22	18.100	16	33.8	27.57	16	33.8	K2	17	686	A -4 483
55		8.0A	49 38.506	0.0015	09	-0 51 15.98	-0.031	11	0.22	38.487	17	37.4	15.59	17	37.4	A2	21	599	A -1 401
56		9.0A	49 43.884	-0.0003	09	-3 20 4.63	-0.011	09	0.22	43.889	16	33.8	4.45	16	33.8	KO F	17	687	A -3 455
57		8.0A	49 47.096	-0.0004	12	-8 28 16.65	-0.016	12	0.25	47.103	16	33.8	16.36	16	33.8	MB	16	643	A -8 536
58		9.1A	49 55.012	0.0009	11	-9 11 26.35	0.026	11	0.23	54.997	16	33.8	26.77	16	33.8	KO R	16	644	A -9 540
59		8.9A	50 3.016	0.0010	12	-6 15 33.78	0.005	12	0.25	3.000	16	33.8	33.86	16	33.8	K	16	645	A -6 563
60		6.3T	50 24.100	0.0046	12	-9 36 44.21	0.052	10	0.63	23.852	19	96.2	47.12	18	94.0	A2	GC	3455	-10 569
61		8.7A	50 29.130	-0.0008	12	-5 48 52.47	0.006	12	0.25	29.143	16	33.8	52.57	16	33.8	K2	16	647	A -6 566
62		9.0A	50 36.020	0.0025	09	-1 27 43.36	-0.002	11	0.22	35.988	17	37.4	43.34	17	37.4	K	21	600	A -1 406
63		8.9A	50 41.364	-0.0029	09	-2 57 31.99	-0.013	09	0.22	41.411	16	33.8	31.77	16	33.8	F8	17	689	A -3 456
64		7.3A	50 43.285	-0.0035	12	-5 27 9.39	-0.009	12	0.25	43.338	16	33.8	9.35	16	33.8	K2	17	690	A -5 536
65		9.0A	50 45.338	-0.0006	09	-0 21 11.47	0.033	11	0.22	45.345	17	37.4	11.89	17	37.4	KO R	21	601	A -0 445
66		9.1A	50 46.644	0.0017	09	-3 55 49.74	0.012	09	0.22	46.616	16	33.8	49.93	16	33.8	G5	17	691	A -4 487
67		8.6A	50 49.712	-0.0002	12	-9 8 6.57	0.012	12	0.25	49.715	16	33.8	6.57	16	33.8	G5	16	649	A -9 543
68		9.0A	50 51.437	0.0013	09	-0 11 15.31	0.011	11	0.22	51.421	17	37.4	15.45	17	37.4	KO R	21	602	A -0 446
69		9.0A	50 57.795	0.0055	09	-0 46 18.28	0.014	11	0.22	57.725	17	37.4	18.46	17	37.4	G5	21	603	A -1 407
70		8.0T	51 0.412	0.0036	09	-9 5 5.29	-0.006	08	0.43	0.247	15	04.2	5.00	15	02.3	GO	GC	3468	-9 544
71		7.8A	51 2.798	0.0011	11	-1 50 39.08	0.017	11	0.23	2.777	16	33.8	39.35	16	33.8	G5	17	692	A -2 511
72		8.8A	51 4.613	-0.0006	09	-0 8 55.48	0.029	11	0.22	4.619	17	37.4	55.85	17	37.4	KO R	21	604	A -0 447
73		7.2T	51 7.451	-0.0023	15	-7 57 10.56	-0.071	13	0.62	7.546	18	08.4	7.47	18	06.5	F2	GC	3475	-8 543
74		9.0A	51 8.449	0.0005	11	-9 24 39.90	0.009	11	0.23	8.441	16	33.8	40.05	16	33.8	GO	16	652	A -9 545
75		8.7A	51 9.162	-0.0007	09	-1 39 42.17	0.027	11	0.22	9.191	17	37.4	42.51	17	37.4	K2	21	605	A -2 513
76		7.5A	51 13.040	-0.0003	09	-4 27 2.00	-0.033	09	0.22	13.045	16	33.8	1.46	16	33.8	KO	17	694	A -4 491
77		9.0A	51 18.040	-0.0014	13	-2 22 27.78	0.003	13	0.27	18.063	16	33.8	27.82	16	33.8	GO	17	695	A -2 515
78		9.0A	51 32.289	-0.0009	09	-1 40 54.28	0.029	11	0.22	32.299	17	37.4	54.62	17	37.4	F5	21	607	A -2 516
79		9.2A	51 50.481	-0.0009	12	-6 30 41.71	-0.054	12	0.25	50.439	16	33.8	40.84	16	33.8	KO R	16	653	A -6 572
80		7.3T	52 9.271	0.0009	08	-5 31 58.76	-0.018	07	0.31	9.233	07	08.0	58.03	07	08.8	KO	GC	3493	-5 541
81		6.7T	52 13.477	0.0000	05	-0 15 3.96	0.034	07	0.32	13.476	10	04.8	5.66	12	00.5	KO	GC	3496	B* -0 450
82		9.2A	52 19.835	-0.0032	11	-9 23 27.28	-0.014	11	0.23	19.886	16	33.8	27.05	16	33.8	G5 R	16	655	A -9 549
83		8.3A	52 21.084	-0.0001	09	-2 31 1.02	-0.049	09	0.22	21.096	16	33.8	0.22	16	33.8	GO	17	698	A -2 517
84		8.0A	52 28.770	0.0011	09	-3 30 30.56	-0.028	09	0.22	28.752	16	33.8	30.10	16	33.8	KO	17	699	A -3 ø59
85		8.7A	52 40.809	-0.0011	09	-4 31 6.72	-0.004	09	0.22	40.826	16	33.8	6.65	16	33.8	G5	17	700	A -4 496
86		8.5A	52 41.394	0.0132	12	-8 11 51.75	-0.012	12	0.25	41.180	16	33.8	51.56	16	33.8	G5	16	656	A -8 547
87		9.0A	52 49.123	-0.0012	13	-4 54 45.58	0.029	13	0.27	49.142	16	33.8	46.04	16	33.8	KO	17	701	A -5 542
88		8.4A	52 54.222	0.0015	09	-0 40 13.49	-0.044	11	0.22	54.202	17	37.4	12.93	17	37.4	F5	21	612	A -1 414
89		9.4A	52 57.377	0.0017	12	-7 1 44.35	0.008	12	0.25	57.349	16	33.8	44.48	16	33.8	F5 R	16	657	A -7 518
90		9.1A	53 2.683	-0.0009	13	-4 9 19.47	-0.030	13	0.27	2.698	16	33.8	18.98	16	33.8	KO	17	702	A -4 498
91		9.0A	53 9.029	-0.0006	09	-0 59 13.25	0.006	11	0.22	9.037	17	37.4	13.33	17	37.4	KO R	21	613	A -1 415
92		8.8A	53 13.504	0.0030	12	-8 49 42.48	0.026	12	0.25	13.455	16	33.8	42.90	16	33.8	K5 R	16	658	A -7 519
93		8.7A	53 24.475	-0.0013	12	-9 38 23.40	0.018	12	0.25	24.496	16	33.8	23.89	16	33.8	FD	16	659	A -10 577
94		8.6A	53 36.558	0.0004	09	-0 24 3.11	-0.026	11	0.22	36.553	17	37.4	2.81	17	37.4	KO	21	615	A -0 456
95		9.0A	53 42.788	-0.0002	09	-0 5 6.32	0.012	11	0.22	42.790	17	37.4	6.47	17	37.4	KO R	21	617	A -0 458
96		9.0A	53 47.204	-0.0045	09	-2 32 54.28	-0.062	09	0.22	47.277	16	33.8	53.27	16	33.8	GO	17	703	A -2 520
97		4.0M	53 58.952	0.0050	01	-9 5 45.89	-0.217	01	0.04	58.789	02	13.7	37.85	02	13.0	KO	F4	104	-9 553
98		8.7A	53 59.318	0.0027	13	-7 51 53.31	0.058	13	0.27	59.274	16	33.8	54.25	16	33.8	F5	16	660	A -8 552
99		5.3H	54 6.880	-0.0084	03	-3 54 45.05	-0.040	03	0.07	6.922	05	32.7	44.24	06	29.5	A2	F4	1080	-4 502
00		8.8A	54 7.832	0.0022	12	-6 27 14.51	-0.020	12	0.25	7.796	16	33.8	14.19	16	33.8	KO	16	662	A -6 574

130200

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ s	σ_μ ".001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ".001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ ".01	ep.	δ_2 ″	σ' ".01	ep.	SP.		SOURCE CAT.	STAR NUMBER	0° 2H DM	NUMBER
1		8.0A	2 54 11.932	-0.0008	13	-5 33 9.32	0.008	13	0.27	11.944	16	33.8	9.45	16	33.8	K2	R	17	705	A -5	546
2		9.4A	54 12.672	-0.0014	12	-5 52 15.82	-0.031	12	0.25	12.695	16	33.8	15.32	16	33.8	K0	R	16	664	A -6	575
3		8.9A	54 24.233	0.0005	13	-1 46 23.03	-0.025	13	0.27	24.224	16	33.8	22.62	16	33.8	G0		17	706	A -2	521
4		8.8A	54 29.785	0.0003	13	-1 58 18.01	0.013	13	0.27	29.780	16	33.8	18.21	16	33.8	K2		17	707	A -2	522
5		7.1T	54 37.462	-0.0006	08	-0 46 30.16	0.021	07	0.44	37.493	14	96.7	31.32	12	94.6	G5		GC	3550K	B* -1	419
6		9.1A	54 41.958	0.0022	13	-4 19 13.36	-0.001	13	0.27	41.923	16	33.8	13.34	16	33.8	G8	F	17	708	A -4	504
7		9.0A	54 55.728	0.0067	12	-6 31 36.99	0.000	12	0.25	55.620	16	33.8	36.99	16	33.8	F8	R	16	665	A -6	576
8		8.6A	55 5.583	-0.0026	13	-5 33 28.78	-0.002	13	0.27	5.624	16	33.8	28.75	16	33.8	K2	R	17	709	A -5	551
9		8.5A	55 27.411	0.0048	11	-4 55 26.07	0.004	09	0.22	27.334	16	33.8	26.13	16	33.8	F5		17	711	A -5	553
10		7.9A	55 27.792	-0.0003	11	-2 32 10.48	-0.006	11	0.23	27.797	16	33.8	10.38	16	33.8	A2		17	710	A -2	526
11		8.5A	55 51.497	0.0001	13	-1 46 49.21	0.018	13	0.27	51.495	16	33.8	49.49	16	33.8	F0		17	712K	A -2	529
12		8.6A	56 0.448	0.0046	12	-8 49 29.20	-0.014	12	0.25	0.374	16	33.8	28.97	16	33.8	F2		16	667	A -9	558
13		9.0A	56 4.796	0.0006	09	-3 13 31.23	-0.001	09	0.22	4.786	16	33.8	31.21	16	33.8	G0P	F	17	713	A -3	469
14		8.0A	56 9.510	0.0005	13	-4 24 27.42	0.017	13	0.27	9.503	16	33.8	27.69	16	33.8	A2		17	714	A -4	506
15		5.2T	56 10.748	-0.0023	07	-2 58 51.16	-0.053	06	0.30	10.844	12	07.8	48.86	09	06.9	A2		GC	3580	B* -3	470
16		6.2T	56 21.758	0.0003	12	-9 58 30.67	-0.009	09	0.55	21.743	15	00.1	30.19	14	96.6	A2		GC	3583	-10	585
17		9.5A	56 22.502	-0.0006	12	-8 40 34.93	0.006	12	0.25	22.511	16	33.8	35.03	16	33.8	G5	R	16	668	A -9	560
18		7.3A	56 38.642	-0.0013	09	-4 58 54.82	-0.004	09	0.22	38.662	16	33.8	54.75	16	33.8	A0		17	716	A -5	554
19		9.1A	56 43.487	0.0005	12	-9 19 15.58	0.016	12	0.25	43.479	16	33.8	15.84	16	33.8	G5		16	669	A -9	564
20		9.0A	56 59.276	0.0007	09	-1 36 8.39	0.046	11	0.22	59.267	17	37.4	8.97	17	37.4	K0	R	21	628	A -1	426
21		9.4A	56 59.907	-0.0036	13	-9 26 3.25	-0.035	13	0.27	59.965	16	33.8	2.69	16	33.8	K0	R	16	671	A -9	565
22		9.0A	57 0.748	0.0003	09	-3 13 38.54	0.011	09	0.22	0.743	16	33.8	38.71	16	33.8	M1	F	17	718	A -3	473
23		7.8A	57 3.454	0.0136	13	-4 18 51.81	0.002	13	0.27	3.234	16	33.8	51.84	16	33.8	F8		17	719	A -4	511
24		9.0A	57 3.497	-0.0014	12	-6 48 44.70	-0.013	12	0.25	3.519	16	33.8	44.49	16	33.8	K0	R	16	672	A -7	532
25		8.5A	57 4.782	-0.0010	09	-0 49 30.64	-0.021	11	0.22	4.794	17	37.4	30.38	17	37.4	G0		21	629	A -1	427
26		9.3A	57 5.538	-0.0002	12	-8 49 10.96	-0.010	12	0.25	5.541	16	33.8	10.80	16	33.8	G0	R	16	673	A -9	566
27		6.6T	57 8.686	0.0010	11	-7 22 39.71	-0.040	10	0.53	8.634	15	99.4	37.71	15	99.9	K0		GC	3596	-7	533
28		5.5T	57 9.496	-0.0011	04	-2 39 46.32	-0.021	03	0.20	9.548	10	01.3	45.28	09	01.0	B9		GC	3597	B* -3	475
29		8.4A	57 11.227	-0.0046	15	-9 36 53.83	-0.011	17	0.31	11.301	18	33.8	54.01	16	33.8	F5	J	11	677	A -9	568
30		8.1A	57 20.074	-0.0011	09	-0 52 39.09	-0.023	11	0.22	20.088	17	37.4	38.80	17	37.4	G0		21	631	A -1	428
31		7.8A	57 31.073	-0.0034	13	-2 0 8.22	0.018	13	0.27	31.128	16	33.8	8.51	16	33.8	F0		17	722	A -2	532
32		8.3A	57 32.975	-0.0024	09	-0 52 48.45	-0.027	11	0.22	33.005	17	37.4	48.11	17	37.4	K5		21	634	A -1	429
33		8.0A	57 36.555	-0.0029	09	-3 52 15.04	0.002	09	0.22	36.603	16	33.8	15.07	16	33.8	F5		17	723	A -4	512
34		8.9A	57 39.829	0.0009	11	-5 47 20.08	0.042	11	0.23	39.815	16	33.8	20.76	16	33.8	F8	R	17	724	A -6	583
35		9.2A	57 42.563	-0.0007	13	-9 25 13.40	0.045	13	0.27	42.574	16	33.8	14.13	16	33.8	F0		16	678	A -9	571
36		8.9A	57 43.085	0.0008	12	-6 16 33.27	0.024	12	0.25	43.072	16	33.8	33.66	16	33.8	F5	R	16	677	A -6	584
37		9.0A	57 46.662	0.0079	09	-0 30 28.71	-0.033	11	0.22	46.562	17	37.4	28.29	17	37.4	K0		21	636	A -0	472
38		8.9A	57 49.660	0.0003	12	-9 14 9.64	0.013	12	0.25	49.655	16	33.8	9.85	16	33.8	G5		16	679	A -9	572
39		8.7A	57 57.738	0.0158	12	-8 19 50.61	0.050	12	0.25	57.483	16	33.8	51.42	16	33.8	G5		16	680	A -8	559
40		8.5A	58 8.520	0.0013	09	-0 18 54.88	0.004	11	0.22	8.503	17	37.4	54.93	17	37.4	K0		21	638	A -0	480
41		8.8A	58 10.141	-0.0012	12	-6 46 43.30	-0.004	12	0.25	10.160	16	33.8	43.24	16	33.8	F2	R	16	681	A -7	534
42		6.3T	58 19.598	0.0010	07	-3 4 33.63	0.009	05	0.43	19.535	14	88.4	34.21	12	83.7	M0		GC	3621	-3	478
43		5.9T	58 42.365	0.0062	05	-7 51 31.98	-0.067	03	0.21	42.097	10	07.0	28.85	09	03.2	G5		GC	3627	B* -8	562
44		9.4A	58 47.352	0.0002	12	-7 42 30.59	-0.032	12	0.25	47.349	16	33.8	30.08	16	33.8	F8	R	16	683	A -8	563
45		9.1A	58 53.823	-0.0012	12	-8 36 17.98	-0.006	12	0.25	53.843	16	33.8	17.88	16	33.8	K0	R	16	684	A -8	564
46		8.8A	59 17.388	-0.0011	09	-1 21 32.61	0.013	11	0.22	17.402	17	37.4	32.77	17	37.4	G5		21	643	A -1	433
47		8.0A	59 19.697	0.0003	09	-1 6 52.87	0.010	11	0.22	19.693	17	37.4	53.00	17	37.4	G0		21	644	A -1	434
48		8.5A	59 29.343	0.0002	09	-3 8 11.20	-0.012	09	0.22	29.339	16	33.8	11.00	16	33.8	A5		17	726	A -3	482
49		9.0A	59 32.622	-0.0007	09	-0 6 22.48	0.001	11	0.22	32.631	17	37.4	22.49	17	37.4	G0	R	21	646	A* -0	485
50		9.0A	59 35.903	-0.0025	13	-4 4 8.56	0.001	13	0.27	35.944	16	33.8	8.57	16	33.8	M1	F	17	727	A -4	515
51		6.3T	2 59 40.743	0.0055	12	-6 41 19.87	-0.145	11	0.64	40.440	17	95.1	11.81	17	94.4	F8		GC	3644	-7	537
52		8.8A	59 49.008	0.0010	11	-6 0 10.77	0.023	11	0.23	48.992	16	33.8	11.14	16	33.8	K0	R	16	686	A -6	588
53		9.4A	3 0 7.211	-0.0035	11	-7 12 1.30	-0.027	11	0.23	7.268	16	33.8	0.86	16	33.8	K2	R	16	687	A -7	540
54		5.5T	0 14.892	0.0028	04	-7 52 51.43	0.001	03	0.20	14.756	10	01.7	51.49	09	98.1	G5		GC	3651K	B* -8	568
55		8.3A	0 25.964	0.0023	09	-3 11 36.22	-0.004	09	0.22	25.927	16	33.8	36.15	16	33.8	K0		17	728	A -3	483
56		7.5T	0 29.487	0.0066	10	-2 16 55.25	-0.004	07	0.52	29.115	15	93.7	55.00	14	90.0	F5		GC	3654K	B* -2	538
57		8.8A	0 35.990	-0.0023	13	-5 14 28.10	-0.082	13	0.27	36.027	16	33.8	26.78	16	33.8	F5	R	17	731	A -5	566
58		9.0A	0 36.777	0.0011	13	-3 39 54.35	0.010	13	0.27	36.759	16	33.8	54.51	16	33.8	K2		17	730	A -4	519
59		8.7A	0 42.063	-0.0009	12	-8 13 38.32	0.012	12	0.25	42.078	16	33.8	38.52	16	33.8	G5	R	16	689	A -8	570
60		9.0A	0 47.850	0.0096	09	-2 23 58.79	-0.063	09	0.22	47.694	16	33.8	57.77	16	33.8	G5		17	732	A -2	540
61		8.9A	0 59.446	-0.0033	12	-7 19 55.35	-0.006	12	0.25	59.499	16	33.8	55.26	16	33.8	G5	R	16	690	A -7	542
62		9.1A	1 7.747	0.0021	13	-2 50 34.07	-0.006	13	0.27	7.712	16	33.8	33.97	16	33.8	K0	F	17	733	A -3	486
63		8.0A	1 8.932	0.0233	11	-5 51 27.14	-0.263	11	0.23	8.554	16	33.8	22.88	16	33.8	G5		16	691	A -6	594
64		8.8A	1 20.017	-0.0001	12	-5 53 37.49	0.000	12	0.25	20.018	16	33.8	37.49	16	33.8	F2	R	16	692	A -6	595
65		7.4T	1 36.811	-0.0031	13	-5 26 15.90	0.000	13	0.70	36.968	17	99.1	15.92	17	99.4	K5		GC	3672	-5	568
66		9.1A	1 39.008	-0.0002	12	-9 0 32.21	-0.048	12	0.25	39.011	16	33.8	31.43	16	33.8	G0	R	16	693	A -9	582
67		8.0A	1 41.706	-0.0017	13	-4 31 15.26	-0.027	13	0.27	41.735	16	33.8	14.82	16	33.8	K5		17	735	A -4	520
68		8.4A	1 46.723	0.0014	12	-8 39 32.21	0.036	12	0.25	46.700	16	33.8	32.79	16	33.8	A3		16	694	A -9	583
69		5.4T	1 48.952	0.0034	04	-7 47 43.51	0.015	03	0.21	48.778	10	99.0	43.83	09	96.0	A3		GC	3677	B* -8	572
70		9.0A	1 55.171	-0.0008	12	-7 3 18.83	0.021	12	0.25	55.185	16	33.8	19.17	16	33.8	G5	R	16	696	A -7	543
71		8.9A	1 57.482	-0.0006	09	-2 21 38.34	-0.003	09	0.22	57.491	16	33.8	38.28	16	33.8	K0		17	736	A -2	543
72		9.1A	2 17.507	0.0028	09	-1 30 36.14	-0.014	09	0.22	17.460	16	33.8	35.91	16	33.8	F0		17	737	A -1	440
73		9.1A	2 20.126	0.0026	12	-6 14 29.30	-0.063	12	0.25	20.084	16	33.8	28.28	16	33.8	K2	R	16	697	A -6	597
74		9.0A	2 24.550	0.0028	09	-0 27 51.88	0.018	11	0.22	24.514	17	37.4	52.11	17	37.4	F5	R	21	652	A -0	491
75		9.9P	2 24.815	-0.0008	18	-5 19 59.93	-0.046	17	0.82	24.850	18	05.5	57.82	18	03.7	G		GC	3692	-5	570
76		9.0A	2 32.047	0.0029	12	-8 39 41.71	-0.014	12	0.25	31.999	16	33.8	41.48	16	33.8	G0	R	16	698	A -9	584
77		6.6T	2 44.372	0.0032	11	-8 28 4.83	0.028	09	0.53	44.216	17	01.5	6.27	15	98.6	K0		GC	3699	-8	577
78		9.1A	2 49.260	-0.0025	12	-6 33 37.82	-0.029	12	0.25	49.300	16	33.8	37.36	16	33.8	A0	R	16	700	A -6	602
79		8.5A	3 7.815	0.0021	09	-5 42 25.77	-0.021	09	0.22	7.782	16	33.8	25.43	16	33.8	F5		17	739	A -6	603
80		8.9A	3 13.085	0.0037	11	-3 7 7.39	0.010	09	0.22	13.025	16	33.8	7.55	16	33.8	F8		17	740	A -3	493
81		9.0A	3 39.116	-0.0001	14	-0 46 52.39	-0.020	11	0.23	39.117	17	37.4	52.14	17	37.4	G0	R	21	656	A* -1	441
82		8.2A	3 58.265	0.0012	12	-8 39 5.34	-0.013	12	0.25	58.246	16	33.8	5.13	16	33.8	K8	R	16	703	A -9	591
83		8.3A	4 1.880	-0.0012	12	-8 46 51.37	-0.061	12	0.25	1.900	16	33.8	50.39	16	33.8	G0		16	704	A -9	592
84		5.6T	4 4.938	-0.0001	07	-6 16 50.73	-0.006	06	0.29	4.942	12	05.8	50.48	10	07.9	M0		GC	3718	B* -6	606
85		9.1A	4 5.989	0.0018	09	-1 50 46.53	0.025	09	0.22	5.960	16	33.8	46.93	16	33.8	G5		17	741	A -2	551
86		8.2A	4 11.276	0.0038	12	-6 50 6.34	0.056	12	0.25	11.215	16	33.8	7.25	16	33.8	K2		16	706	A -7	546
87		8.5A	4 12.911	0.0017	11	-1 47 26.34	0.012	11	0.23	12.883	16	33.8	26.53	16	33.8	K0		17	742	A -2	552
88		9.2A	4 13.599	-0.0025	09	-1 59 22.61	0.011	09	0.22	13.640	16	33.8	22.78	16	33.8	F5		17	743	A -2	553
89		8.2A	4 18.647	-0.0004	13	-5 14 34.74	0.028	13	0.27	18.654	16	33.8	35.20	16	33.8	G0		17	744	A -5	579
90		9.0A	4 19.156	0.0003	09	-5 0 0.88	-0.009	09	0.22	19.151	16	33.8	0.74	16	33.8	G0	R	17	745	A -5	578
91		9.0A	4 22.669	-0.0030	09	-1 20 49.81	-0.001	11	0.22	22.706	17	37.4	49.80	17	37.4	K0		21	660	A -1	443
92		8.6A	4 31.953	-0.0013	11	-6 26 8.93	-0.034	11	0.23	31.974	16	33.8	8.38	16	33.8	K0	R	16	707	A -6	607
93		8.9A	4 33.160	-0.0000	12	-7 26 18.81	-0.008	12	0.25	33.161	16	33.8	18.69	16	33.8	G0	R	16	708	A -7	547
94		7.1T	4 40.720	-0.0018	06	-1 59 39.84	-0.029	06	0.26	40.799	07	06.5	38.61	07	07.5	G5		GC	3730	-2	554
95		7.8A	4 50.209	0.0003	13	-5 34 35.97	0.009	13	0.27	50.204	16	33.8	36.12	16	33.8	K5		17	747	A -5	581
96		9.0A	5 7.423	-0.0022	09	-0 43 44.11	-0.017	11	0.22	7.450	17	37.3	43.90	17	37.3	F8		21	664	A -1	444
97		9.5A	5 9.351	-0.0019	11	-7 54 24.73	0.015	11	0.23	9.382	16	33.8	24.97	16	33.8	F2	R	16	710	A -8	586
98		8.5A	5 9.377	-0.0016	09	-1 50 23.93	-0.013	09	0.22	9.404	16	33.8	23.71	16	33.8	F2		17	748	A -2	555
99		9.0A	5 9.992	-0.0013	09	-0 20 36.77	-0.091	11	0.22	10.008	17	37.3	35.62	17	37.3	G5		21	666	A -0	495
00		8.2A	5 20.136	0.0005	12	-5 57 26.18	-0.005	12	0.25	20.128	16	33.8	28.10	16	33.8	K2		16	711	A -6	610

130300

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	EPOCH 1950 μ s	EPOCH 1950 σ_μ .001"	EPOCH 1950 δ_{1950} ° ′ ″	EPOCH 1950 μ' ″	EPOCH 1950 $\sigma_{\mu'}$ .001"	EPOCH 1950 σ_{1950} ″	ORIGINAL EPOCH α_2 s	ORIGINAL EPOCH σ .01"	ORIGINAL EPOCH ep.	ORIGINAL EPOCH δ_2 ″	ORIGINAL EPOCH σ' .01"	ORIGINAL EPOCH ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	− 0° 3H DM	− 0° 3H NUMBER
1		9.0A	3 5 21.556	-0.0018	11	-9 8 14.48	0.017	11	0.23	21.586	16	33.8	14.76	16	33.8	GO R	16	712	A	596
2		8.9A	5 29.526	0.0003	12	-5 56 16.54	0.028	12	0.25	29.520	16	33.8	16.99	16	33.8	G5 R	16	713	A	611
3		9.0A	5 37.981	-0.0013	09	-5 4 39.49	-0.041	09	0.22	38.002	16	33.8	38.84	16	33.8	KO R	17	749	A	584
4		8.3A	5 56.335	0.0014	11	-3 46 49.75	0.024	11	0.23	56.312	16	33.8	50.13	16	33.8	F5	17	750K	A	529
5		8.2T	6 2.064	0.0022	10	-9 44 6.86	0.035	08	0.48	1.955	17	00.6	8.74	15	96.3	G5	GC	3752	-10	620
6		9.0Q	6 14.697	-0.0004	12	-3 52 39.42	-0.081	08	0.55	14.715	19	02.3	34.82	17	93.5	G5	GC	3756K	-4	531
7		9.0A	6 26.303	-0.0012	12	-8 38 24.22	0.003	12	0.25	26.323	16	33.8	24.27	16	33.8	KO R	16	715	A	599
8		8.5A	6 46.981	0.0047	09	-5 42 27.49	0.039	09	0.22	46.905	16	33.8	28.12	16	33.8	KO	17	752	A	614
9		8.6A	6 56.638	-0.0006	09	-3 25 26.13	-0.003	09	0.22	56.648	16	33.8	26.08	16	33.8	A5	17	753	A	502
10		8.9A	7 5.982	-0.0022	09	-1 11 35.75	-0.020	11	0.22	6.010	17	37.3	35.50	17	37.3	KO	21	669	A	447
11		8.6A	7 16.554	0.0059	12	-9 46 2.95	-0.111	12	0.25	16.459	16	33.8	1.15	16	33.8	GO	16	717	A	626
12		9.3A	7 23.333	-0.0022	09	-5 29 56.80	0.000	09	0.22	23.369	16	33.8	56.81	16	33.8	GO R	17	754	A	587
13		9.1A	7 24.930	0.0001	11	-7 59 12.40	0.008	11	0.23	24.929	16	33.8	12.53	16	33.8	AO R	16	719	A	593
14		9.2A	7 30.325	0.0010	12	-7 21 41.71	0.008	12	0.25	30.309	16	33.8	31.84	16	33.8	K2 R	16	720	A	554
15		8.6A	7 33.476	-0.0006	09	-5 32 41.76	-0.011	09	0.22	33.485	16	33.8	41.58	16	33.8	F0	17	755	A	589
16		8.7A	7 34.098	-0.0009	12	-6 7 44.70	0.014	12	0.25	34.113	16	33.8	44.93	16	33.8	G5	16	722	A	616
17		9.5A	7 40.587	-0.0018	15	-5 29 44.71	0.021	15	0.29	40.615	16	33.8	45.05	16	33.8	G R	17	756	A	590
18		9.5A	7 40.914	0.0013	13	-5 27 36.44	0.000	13	0.27	40.892	16	33.8	36.45	16	33.8	GO R	17	757	A	591
19		7.7A	7 45.876	-0.0004	09	-1 53 0.85	-0.008	09	0.22	45.881	16	33.8	0.71	16	33.8	B9	17	758	A	563
20		8.8A	7 46.491	-0.0012	12	-6 15 8.77	-0.036	12	0.25	46.510	16	33.8	8.19	16	33.8	K2	16	725	A	617
21		8.5A	7 52.798	0.0052	09	-4 15 15.88	0.031	09	0.22	52.715	16	33.8	16.38	16	33.8	KO	17	759	A	537
22		9.0A	7 53.919	0.0009	11	-9 18 51.72	0.041	11	0.23	53.904	16	33.8	52.39	16	33.8	F8	16	726	A	603
23		7.8A	8 9.319	0.0013	09	-5 34 57.39	0.016	09	0.22	9.297	16	33.8	57.65	16	33.8	KO	17	760	A	592
24		9.1A	8 10.654	0.0026	12	-7 15 4.18	-0.011	12	0.25	10.612	16	33.8	4.00	16	33.8	GO R	16	728	A	556
25		8.2A	8 15.066	0.0033	12	-6 42 53.01	0.000	12	0.25	15.012	16	33.8	53.01	16	33.8	GO	16	729	A	557
26		8.7A	8 19.299	-0.0006	12	-6 45 47.93	0.005	12	0.25	19.308	16	33.8	48.01	16	33.8	F2	16	730	A	558
27		9.0A	8 26.675	0.0011	12	-2 52 40.14	0.036	12	0.25	26.657	16	33.8	40.72	16	33.8	KO F	17	761	A	507
28		6.3T	8 48.409	-0.0011	12	-3 59 59.04	-0.034	13	0.70	48.467	15	96.6	57.24	15	97.3	M0	GC	3806K	-4	540
29		9.0A	8 48.642	-0.0014	12	-9 3 36.01	0.015	12	0.25	48.665	16	33.8	36.25	16	33.8	G5 R	16	731	A	606
30		9.0A	8 48.782	-0.0008	09	-2 17 29.20	-0.008	09	0.22	48.795	16	33.8	29.06	16	33.8	K2 F	17	762	A	569
31		9.0A	8 51.692	0.0010	09	-0 53 50.32	-0.029	11	0.22	51.680	17	37.3	49.95	17	37.3	F5	21	673	A	450
32		8.9A	8 51.824	-0.0005	13	-3 13 6.08	0.009	13	0.27	51.831	16	33.8	6.22	16	33.8	F5	17	764	A	509
33		7.8A	9 7.187	-0.0030	09	-0 40 53.79	-0.042	11	0.22	7.224	17	37.3	53.26	17	37.3	KO	21	674	A	451
34		8.6A	9 8.471	0.0002	12	-5 53 54.72	-0.038	12	0.25	8.467	16	33.8	54.11	16	33.8	G5	16	732	A	621
35		9.1A	9 9.342	-0.0009	09	-1 33 52.30	-0.054	11	0.22	9.352	17	37.3	51.61	17	37.3	F5	21	675	A	452
36		9.0A	9 13.719	-0.0017	09	-0 58 9.24	-0.039	11	0.22	13.740	17	37.3	8.74	17	37.3	G5 R	21	676	A	453
37		9.3A	9 17.742	0.0016	12	-7 29 42.21	-0.003	12	0.25	17.717	16	33.8	42.17	16	33.8	G0 R	16	733	A	560
38		8.0A	9 28.428	-0.0003	09	-0 4 47.56	-0.001	11	0.22	28.431	17	37.3	47.55	17	37.3	KO	21	677	A	503
39		8.6A	9 29.119	-0.0004	12	-6 59 9.84	0.024	12	0.25	29.125	16	33.8	10.23	16	33.8	KO	16	734	A	561
40		9.1A	9 32.464	-0.0018	13	-2 32 52.61	0.006	13	0.27	32.493	16	33.8	52.70	16	33.8	G0	17	766	A	571
41		9.0A	9 33.214	0.0002	09	-0 16 39.00	0.009	11	0.22	33.211	17	37.3	39.12	17	37.3	A0	21	678	A	504
42		8.5A	9 33.298	-0.0002	13	-2 37 50.60	0.001	13	0.27	33.300	16	33.8	50.61	16	33.8	K2	17	767	A	572
43		9.5A	9 33.868	0.0014	12	-5 53 39.85	-0.002	12	0.25	33.845	16	33.8	39.82	16	33.8	F5 R	16	735	A	622
44		8.2A	9 36.250	0.0023	09	-0 25 57.10	-0.031	11	0.22	36.221	17	37.3	56.71	17	37.3	KO	21	680	A	506
45		9.2A	9 38.033	-0.0000	12	-6 41 34.44	-0.014	12	0.25	38.034	16	33.8	34.22	16	33.8	KO R	16	736	A	562
46		8.4A	9 41.668	0.0014	09	-1 8 0.10	0.006	11	0.22	41.650	17	37.3	0.18	17	37.3	A5	21	681	A	455
47		8.4A	9 52.705	-0.0016	09	-1 2 8.16	-0.016	11	0.22	52.725	17	37.3	7.96	17	37.3	G5	21	683	A	456
48		8.2A	9 58.047	0.0006	13	-3 11 18.90	-0.072	13	0.27	58.037	16	33.8	17.73	16	33.8	F2	17	768	A	512
49		8.9A	10 1.081	0.0010	12	-8 14 2.56	-0.011	12	0.25	1.065	16	33.8	2.38	16	33.8	KO	16	737	A	599
50		8.6A	10 7.091	0.0047	12	-7 50 13.10	-0.066	12	0.25	7.015	16	33.8	12.03	16	33.8	KO	16	738	A	600
51		8.9A	3 10 8.861	0.0013	12	-8 53 31.46	0.002	12	0.25	8.840	16	33.8	31.50	16	33.8	GO	16	739	A	611
52		9.1A	10 11.613	-0.0005	12	-7 3 26.90	0.017	12	0.25	11.621	16	33.8	27.18	16	33.8	G5	16	740	A	563
53		8.7A	10 12.686	0.0025	13	-2 53 18.38	0.003	13	0.27	12.645	16	33.8	18.43	16	33.8	K5	17	769	A	513
54		8.7A	10 12.707	0.0016	13	-3 5 37.34	-0.019	13	0.27	12.681	16	33.8	37.03	16	33.8	KO	17	770	A	514
55		5.1H	10 13.156	0.0129	01	-1 22 54.84	-0.063	01	0.05	12.763	03	19.6	52.89	03	18.8	F8	F4	116	-1	457
56		9.0A	10 17.364	0.0032	13	-2 20 31.06	0.005	13	0.27	17.311	16	33.8	31.14	16	33.8	GO	17	771	A	573
57		8.3A	10 21.052	0.0023	11	-5 19 4.63	0.001	11	0.23	21.014	16	33.8	4.65	16	33.8	F8	17	772	A	596
58		8.6A	10 21.746	-0.0019	09	-0 34 14.74	-0.020	11	0.22	21.770	17	37.3	14.49	17	37.3	F5	21	685	A	510
59		9.0A	10 35.231	0.0002	09	-1 0 3.20	-0.006	11	0.22	35.228	17	37.3	3.12	17	37.3	K2	21	686	A	458
60		8.6A	10 47.631	-0.0007	09	-0 0 43.14	-0.015	11	0.22	47.640	17	37.3	42.95	17	37.3	A2	21	687	A	511
61		9.4A	10 52.118	0.0005	12	-5 55 3.21	-0.020	12	0.25	52.110	16	33.8	2.89	16	33.8	F5 R	16	741	A	625
62		9.2A	10 59.438	0.0023	13	-4 29 15.84	-0.010	13	0.27	59.400	16	33.8	15.67	16	33.8	K2 F	17	773	A	551
63		8.9A	11 4.193	-0.0027	13	-6 30 56.12	-0.008	13	0.27	4.237	16	33.8	56.00	16	33.8	KO R	16	742	A	627
64		9.1A	11 7.720	0.0005	13	-4 39 16.47	0.021	13	0.27	7.712	16	33.8	16.80	16	33.8	KO F	17	774	A	597
65		9.0A	11 23.787	0.0002	15	-3 11 16.18	-0.002	15	0.29	23.784	16	33.8	16.14	16	33.8	A5	17	775	A	517
66		8.8A	11 24.333	0.0120	13	-4 42 7.18	-0.177	13	0.27	24.139	16	33.8	4.31	16	33.8	G5	17	776	A	598
67		7.8T	11 26.859	0.0056	09	-6 50 54.15	-0.133	10	0.47	26.600	15	04.0	48.01	15	03.6	F2	GC	3861	-7	569
68		9.1A	11 33.233	-0.0010	12	-9 3 21.35	-0.007	12	0.25	33.249	16	33.8	21.24	16	33.8	A3	16	744	A	617
69		8.4A	11 33.746	-0.0014	12	-8 45 29.55	-0.059	12	0.25	33.769	16	33.8	28.60	16	33.8	F5	16	745	A	618
70		9.0A	11 44.039	0.0005	09	-2 50 42.74	0.006	09	0.22	44.030	16	33.8	42.83	16	33.8	K5	17	777	A	519
71		9.0A	11 54.096	0.0024	09	-0 30 42.49	-0.016	11	0.22	54.066	17	37.3	42.29	17	37.3	F0	21	691	A	516
72		8.3A	11 55.345	0.0029	09	-5 19 26.47	0.020	11	0.22	55.299	16	33.8	26.80	16	33.8	F5	17	778	A	600
73		8.6A	11 59.211	0.0005	12	-7 21 47.42	0.007	12	0.25	59.203	16	33.8	47.54	16	33.8	K2	16	746	A	571
74		7.2A	12 4.537	0.0011	13	-2 31 5.14	0.014	13	0.27	4.520	16	33.8	5.36	16	33.8	MA	17	779	A	581
75		7.8A	12 7.660	0.0023	15	-9 52 19.62	-0.026	15	0.30	7.622	18	33.8	19.20	16	33.8	F5 J	11	734	A	642
76		7.9A	12 14.083	0.0053	12	-6 53 15.54	-0.013	12	0.25	13.998	16	33.8	15.33	16	33.8	KO	16	747	A	574
77		8.8A	12 22.898	0.0015	12	-8 19 6.63	0.025	12	0.25	22.872	16	33.8	7.04	16	33.8	KO	16	748	A	608
78		9.1A	12 26.092	0.0009	12	-7 12 19.37	0.005	12	0.25	26.077	16	33.8	19.46	16	33.8	KO R	16	749	A	575
79		9.1A	12 31.869	-0.0018	12	-8 55 50.24	0.000	12	0.25	31.897	16	33.8	50.24	16	33.8	KO R	16	750	A	619
80		8.4A	12 37.081	-0.0012	11	-5 39 17.21	-0.024	09	0.22	37.100	16	33.8	16.82	16	33.8	A2	17	780	A	630
81		8.5A	12 38.605	-0.0021	13	-4 58 15.96	0.001	13	0.27	38.640	16	33.8	15.97	16	33.8	F5	17	781	A	601
82		8.5A	12 49.132	0.0145	09	-1 21 46.12	-0.050	11	0.22	48.948	17	37.3	45.49	17	37.3	F8	21	696	A	465
83		8.7A	12 53.160	0.0021	11	-2 21 34.52	-0.001	11	0.23	53.126	16	33.8	34.50	16	33.8	F5	17	782	A	583
84		8.7A	12 57.572	-0.0001	12	-6 25 6.49	-0.037	12	0.25	57.573	16	33.8	5.89	16	33.8	KO R	16	752	A	631
85		8.6A	12 58.564	-0.0006	09	-0 39 48.13	-0.034	11	0.22	58.571	17	37.3	47.70	17	37.3	G5	21	698	A	466
86		6.8T	13 5.780	0.0004	03	-8 57 14.91	-0.010	03	0.21	5.759	09	98.7	14.33	09	91.9	K0	GC	3891	B* -9	622
87		4.9H	13 24.143	-0.0006	01	-9 0 15.50	0.049	01	0.05	24.162	03	16.0	17.23	03	14.3	A3	F4	1091	-9	624
88		6.0T	13 32.366	0.0001	11	-6 6 8.74	-0.002	10	0.59	32.360	15	96.2	8.64	14	95.8	B9	GC	3907K	B* -6	636
89		8.9A	13 36.589	0.0019	09	-2 15 19.87	-0.026	09	0.22	36.558	16	33.8	19.44	16	33.8	G0	17	783	A -2	587
90		7.7A	13 39.733	-0.0043	12	-8 6 35.77	-0.047	12	0.25	39.802	16	33.8	35.01	16	33.8	K2	16	756	A -8	614
91		6.5T	13 52.988	0.0005	12	-5 54 48.56	-0.007	11	0.60	52.962	15	99.8	48.22	15	99.8	K5	GC	3911	-6	638
92		8.8T	13 57.620	-0.0003	13	-4 28 12.10	-0.011	11	0.67	57.635	18	97.5	11.49	18	96.1	A2	GC	3915	-4	558
93		9.3A	14 9.209	-0.0000	12	-7 30 39.28	-0.003	12	0.25	9.210	16	33.8	39.23	16	33.8	F5 R	16	758	A -7	577
94		7.5A	14 9.816	0.0039	09	-3 42 48.32	-0.048	11	0.22	9.753	16	33.8	45.54	16	33.8	F5	17	785	A -4	560
95		6.2T	14 10.186	-0.0008	03	-9 20 16.49	0.050	03	0.19	10.224	09	02.1	21.01	09	99.6	F0	GC	3918	B* -9	627
96		9.2A	14 12.136	-0.0029	13	-9 13 32.85	0.051	13	0.27	12.182	16	33.8	33.68	16	33.8	F8 R	16	760	A -9	628
97		8.0A	14 13.696	-0.0008	09	-3 32 49.94	-0.015	09	0.22	13.708	16	33.8	49.69	16	33.8	B8	17	786	A -3	525
98		8.6A	14 15.640	0.0021	13	-2 46 1.24	-0.001	13	0.27	15.606	16	33.8	1.22	16	33.8	F8	17	787	A -3	524
99		9.3A	14 17.802	-0.0010	11	-9 7 7.28	0.007	11	0.23	17.818	16	33.8	7.40	16	33.8	F0	16	761	A -9	629
00		7.5A	14 39.940	0.0021	09	-4 19 19.88	-0.000	09	0.22	39.906	16	33.8	19.87	16	33.8	A5	17	7882	A -4	561

130400

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	EPOCH 1950 μ s	EPOCH 1950 σ_μ .001"	EPOCH 1950 δ_{1950} ° ′ ″	EPOCH 1950 μ' ″	EPOCH 1950 $\sigma_{\mu'}$ .001"	EPOCH 1950 σ_{1950} ″	ORIGINAL EPOCH α_2 s	ORIGINAL EPOCH σ .01"	ORIGINAL EPOCH ep.	ORIGINAL EPOCH δ_2 ″	ORIGINAL EPOCH σ' .01"	ORIGINAL EPOCH ep.	SP.		SOURCE CAT.	SOURCE STAR NUMBER	- 0° 3H DM NUMBER
1		8.6A	3 14 49.810	-0.0005	09	-0 20 32.78	0.017	11	0.22	49.817	17	37.3	32.99	17	37.3	F0		21	706	A -0 523
2		9.3A	15 2.572	-0.0036	12	-7 49 7.72	0.054	12	0.25	2.630	16	33.8	8.60	16	33.8	F8	R	16	762	A -8 619
3		9.0A	15 17.003	0.0002	12	-9 15 46.03	0.001	12	0.25	17.000	16	33.8	46.05	16	33.8	F0		16	763	A -9 631
4		8.8A	15 23.460	0.0007	12	-6 5 55.02	0.004	12	0.25	23.448	16	33.8	55.09	16	33.8	F0		16	764	A -6 643
5		8.9A	15 40.716	-0.0006	12	-9 38 22.69	-0.040	12	0.25	40.726	16	33.8	22.04	16	33.8	G5		16	765	A -9 633
6		8.9A	15 44.745	-0.0002	12	-6 35 40.52	0.018	12	0.25	44.748	16	33.8	40.81	16	33.8	G5	R	16	766K	A -6 644
7		8.9A	15 45.744	-0.0018	11	-4 24 31.11	-0.053	11	0.23	45.774	16	33.8	30.25	16	33.8	G0		17	789	A -4 565
8		5.6T	15 48.721	0.0165	03	-1 6 39.98	-0.048	02	0.18	47.756	09	91.6	37.23	07	92.9	G5		GC	3953K	B* -1 469
9		9.1A	15 53.091	-0.0013	13	-4 40 21.46	0.028	13	0.27	53.111	16	33.8	21.91	16	33.8	G0	F	17	790	A -5 615
10		8.3A	15 54.786	0.0001	13	-9 54 47.52	0.010	15	0.29	54.784	18	33.8	47.68	16	33.8	B8	J	11	750	A -10 650
11		8.8A	15 59.724	-0.0003	13	-1 47 56.21	0.005	13	0.27	59.728	16	33.8	56.29	16	33.8	A5		17	791	A -2 598
12		8.8A	16 22.463	-0.0005	13	-3 20 38.26	0.070	13	0.27	22.470	16	33.8	39.39	16	33.8	G0		17	792	A -3 533
13		8.4A	16 23.734	-0.0012	12	-8 46 40.58	0.001	12	0.25	23.754	16	33.8	40.60	16	33.8	K2		16	767	A -9 635
14		8.7A	16 29.471	0.0004	09	-4 55 39.69	0.010	09	0.22	29.465	16	33.8	39.85	16	33.8	K0		17	794	A -5 618
15		7.1T	16 29.874	0.0165	12	-3 1 22.84	-0.106	11	0.61	29.018	15	98.2	17.31	17	98.0	G0		GC	3961	-3 534
16		9.1A	16 39.690	0.0005	12	-9 39 39.94	-0.006	12	0.25	39.682	16	33.8	39.84	16	33.8	A2		16	768	A -10 653
17		9.2A	16 48.692	0.0025	09	-0 8 18.01	-0.006	11	0.22	48.860	17	37.3	17.93	17	37.3	G0	R	21	709	A -0 525
18		9.2A	16 51.018	0.0016	12	-6 26 56.76	-0.005	11	0.24	50.992	16	33.8	56.68	16	33.8	K0	R	16	769	A -6 648
19		9.2A	17 5.143	0.0014	12	-6 26 46.12	-0.006	12	0.25	5.121	16	33.8	46.03	16	33.8	K0	R	16	770	A -6 651
20		9.5A	17 6.782	0.0016	12	-6 9 9.96	-0.028	12	0.25	6.757	16	33.8	9.41	16	33.8	F5	R	16	771	A -6 652
21		9.3A	17 7.377	-0.0004	12	-8 3 27.14	0.009	12	0.25	7.384	16	33.8	27.19	16	33.8	F8	R	16	772	A -8 626
22		8.7A	17 12.668	-0.0037	13	-2 15 4.73	-0.077	13	0.27	12.727	16	33.8	5.48	16	33.8	G0		17	795	A -2 603
23		7.7A	17 30.048	-0.0022	13	-1 46 20.50	-0.000	13	0.27	30.082	16	33.8	20.49	16	33.8	F5		17	796	A -2 604
24		9.2A	17 32.871	0.0022	09	-1 44 10.23	-0.027	09	0.22	32.835	16	33.8	9.79	16	33.8	F3	F	17	797	A -2 605
25		8.8A	17 35.734	0.0003	11	-3 11 54.50	-0.020	11	0.23	35.729	16	33.8	54.17	16	33.8	F0		17	798	A -3 538
26		9.1A	17 37.564	0.0008	13	-1 43 5.96	0.022	13	0.27	37.551	16	33.8	6.31	16	33.8	K0		17	799	A -2 606
27		9.1A	17 50.000	-0.0009	12	-7 36 25.09	-0.009	12	0.25	50.014	16	33.8	24.95	16	33.8	A2	R	17	773	A -7 583
28		8.3A	17 54.995	0.0002	13	-1 56 5.56	-0.002	13	0.27	54.992	16	33.8	5.52	16	33.8	A0		17	800	A -2 607
29		8.5A	18 7.902	-0.0012	11	-4 31 57.38	-0.041	11	0.23	7.922	16	33.8	56.71	16	33.8	G5		17	801	A -4 570
30		8.0A	18 11.055	0.0005	09	-0 20 56.05	-0.001	11	0.22	11.048	17	37.3	56.04	17	37.3	A0		21	716	A -0 530
31		8.1A	18 18.831	0.0018	09	-3 17 16.93	0.040	11	0.22	18.802	16	33.8	17.57	16	33.8	G5		17	802	A -3 540
32		9.0A	18 19.221	-0.0003	09	-4 30 12.98	0.004	09	0.22	19.226	16	33.8	13.04	16	33.8	G2	F	17	803	A -4 571
33		9.2A	18 25.459	-0.0006	12	-7 39 43.04	-0.047	11	0.24	25.469	16	33.8	42.28	16	33.8	F5	R	16	774	A -8 632
34		9.3A	18 31.146	0.0030	11	-9 8 36.57	-0.043	09	0.22	31.098	16	33.8	35.87	16	33.8	F8	R	16	775	A -9 643
35		8.5A	18 35.167	-0.0015	09	-0 32 55.15	-0.018	11	0.22	35.187	17	37.3	54.92	17	37.3	K0		21	719	A -0 532
36		8.5A	18 37.980	-0.0013	09	-0 42 15.52	-0.016	11	0.22	37.996	17	37.3	15.32	17	37.3	F5		21	721	A -1 477
37		8.5A	18 38.901	-0.0005	09	-0 7 10.49	-0.026	11	0.22	38.908	17	37.3	10.16	17	37.3	K2		21	722	A -0 533
38		8.9A	19 13.233	0.0000	12	-7 40 38.29	-0.020	12	0.25	13.233	16	33.8	37.97	16	33.8	A5		16	776	A -8 637
39		8.5A	19 15.515	0.0005	09	-5 20 16.67	0.011	09	0.22	15.506	16	33.8	16.86	16	33.8	K2	R	17	804	A -5 625
40		8.4A	19 15.962	-0.0005	15	-9 59 50.67	-0.036	17	0.31	15.970	18	33.8	50.09	16	33.8	G5	J	11	757	A -10 659
41		9.2A	19 18.360	-0.0019	17	-9 32 19.44	-0.065	17	0.32	18.391	18	33.8	18.39	16	33.8	G0	J	11	758	A -9 647
42		9.0A	19 18.760	-0.0014	13	-5 37 39.15	0.010	13	0.27	18.783	16	33.8	39.31	16	33.8	M2	R	17	805	A -5 626
43		9.1A	19 24.961	-0.0009	12	-5 16 46.46	0.000	12	0.25	24.976	16	33.8	46.47	16	33.8	G0	R	17	806	A -5 627
44		8.5A	19 36.747	-0.0006	15	-9 49 42.80	-0.003	17	0.31	36.756	18	33.8	42.75	16	33.8	K0	J	11	759	A -10 661
45		9.1A	19 37.014	-0.0004	13	-8 36 32.72	-0.023	12	0.26	37.019	16	33.8	32.35	16	33.8	A0		16	778	A -8 639
46		7.7A	19 42.163	0.0007	09	-5 18 55.96	0.011	09	0.22	42.151	16	33.8	56.15	16	33.8	K0		17	807	A -5 628
47		8.3A	19 46.675	0.0022	09	-5 55 25.79	-0.002	09	0.22	46.640	16	33.8	25.76	16	33.8	F0		16	779	A -6 663
48		8.9A	19 52.804	-0.0005	11	-3 6 44.76	-0.001	11	0.23	52.812	16	33.8	44.74	16	33.8	G5		17	808	A -3 542
49		8.8A	19 56.753	-0.0001	12	-9 21 24.76	0.005	12	0.25	56.754	16	33.8	24.84	16	33.8	G5		16	780	A -9 649
50		8.8A	20 0.312	0.0008	12	-9 29 53.10	-0.046	12	0.25	0.299	16	33.8	52.36	16	33.8	G5		16	781	A -9 650
51		9.0A	3 20 4.581	0.0028	09	-0 42 22.57	-0.027	11	0.22	4.545	17	37.3	22.23	17	37.3	F8		21	725	A -1 479
52		8.5A	20 19.368	0.0006	13	-2 14 11.02	-0.006	13	0.27	19.359	16	33.8	10.92	16	33.8	K5		17	809	A -2 611
53		9.1A	20 27.782	-0.0031	12	-7 14 53.26	0.061	12	0.25	27.833	16	33.8	54.25	16	33.8	F8	R	16	782	A -7 589
54		9.0A	20 37.199	0.0003	12	-9 45 38.41	-0.014	12	0.25	37.194	16	33.8	38.18	16	33.8	K0		16	783	A -10 663
55		9.1A	20 38.731	0.0053	12	-9 16 53.29	-0.245	12	0.25	38.645	16	33.8	49.33	16	33.8	G5		16	784	A -9 653
56		8.3A	20 40.148	-0.0010	09	-1 40 8.05	-0.001	09	0.22	40.163	16	33.8	8.03	16	33.8	K0		17	810	A -2 612
57		6.3T	20 51.118	0.0003	09	-7 58 5.25	-0.220	09	0.53	51.100	18	94.1	-52.58	17	92.4	G0		GC	4043K	-8 643
58		8.2A	21 19.065	-0.0004	12	-7 25 7.95	0.022	12	0.25	19.071	16	33.8	8.31	16	33.8	K5		16	786	A -7 590
59		8.9A	21 19.758	-0.0008	12	-7 22 51.48	0.015	12	0.25	19.771	16	33.8	51.73	16	33.8	A5		16	787	A -7 591
60		8.5A	21 23.273	-0.0002	13	-2 38 10.19	-0.020	13	0.27	23.276	16	33.8	9.86	16	33.8	G0		17	811	A -2 615
61		9.0A	21 23.754	-0.0003	09	-5 45 41.73	-0.002	09	0.22	23.759	16	33.8	41.70	16	33.8	G5		17	812	A -6 670
62		9.3A	21 25.336	-0.0015	12	-6 8 31.41	-0.024	12	0.25	25.361	16	33.8	31.02	16	33.8	F		16	789	A -6 671
63		8.8A	21 41.497	0.0020	09	-6 52 38.59	-0.015	09	0.22	41.465	16	33.8	38.35	16	33.8	F2		16	790	A -7 593
64		8.9A	21 44.968	0.0021	12	-5 30 46.77	-0.063	12	0.25	44.934	16	33.8	45.75	16	33.8	K2	R	16	791	A -5 636
65		9.0A	21 55.776	0.0011	12	-9 5 0.88	-0.017	12	0.25	55.758	16	33.8	0.61	16	33.8	F8		16	793	A -9 654
66		9.0A	21 56.349	0.0053	13	-7 32 6.96	0.037	13	0.27	56.264	16	33.8	7.56	16	33.8	G5	R	16	792	A -7 594
67		9.2A	22 1.607	0.0021	09	-1 39 23.79	0.003	11	0.22	1.580	17	37.3	23.83	17	37.3	F8		21	733	A -1 486
68		8.0A	22 2.161	-0.0008	09	-3 42 0.45	0.019	09	0.22	2.174	16	33.8	40.75	16	33.8	F0		17	814	A -4 585
69		8.8A	22 23.745	0.0009	11	-4 53 13.89	-0.005	11	0.23	23.731	16	33.8	13.80	16	33.8	G5		17	815	A -5 639
70		8.7A	22 25.954	0.0003	09	-2 30 14.70	-0.131	09	0.22	25.949	16	33.8	12.57	16	33.8	G0		17	816	A -2 618
71		8.1Q	22 31.647	-0.0167	10	-5 31 43.15	-0.775	09	0.52	32.516	12	97.9	1.94	12	96.8	K0		GC	4076	B* -5 642
72		8.6A	22 39.691	-0.0060	13	-1 54 13.92	-0.148	13	0.27	39.820	16	33.8	11.52	16	33.8	G0		17	818	A -2 619
73		7.4T	22 39.897	0.0027	08	-4 39 15.78	0.060	07	0.32	39.787	07	09.6	18.11	07	11.0	G5		GC	4077	-4 586
74		9.1A	22 40.095	-0.0029	12	-9 7 42.16	0.001	11	0.24	40.141	16	33.8	42.18	16	33.8	G5		16	795	A -9 655
75		8.6A	22 43.095	-0.0010	12	-6 54 39.46	-0.007	12	0.25	43.111	16	33.8	39.35	16	33.8	F8		16	796	A -7 596
76		7.1T	22 50.846	-0.0002	09	-4 49 48.81	0.023	09	0.39	50.854	12	08.6	49.75	12	08.3	G5		GC	4081	-5 644
77		8.9A	22 52.423	-0.0016	09	-1 19 40.93	-0.044	11	0.22	52.444	17	37.3	40.37	17	37.3	F5		21	734	A -1 487
78		9.0A	22 58.739	-0.0002	13	-4 43 42.69	0.009	13	0.27	58.743	16	33.8	42.83	16	33.8	A5	F	17	821	A -5 646
79		9.0A	23 14.411	-0.0010	09	-0 54 10.68	-0.008	11	0.22	14.423	17	37.3	10.58	17	37.3	K0		21	735	A -1 490
80		8.5A	23 18.333	-0.0010	11	-8 23 12.95	-0.029	11	0.23	18.349	16	33.8	12.49	16	33.8	K2		16	797	A -8 648
81		8.7A	23 23.644	0.0088	13	-4 15 9.48	-0.036	13	0.27	23.502	16	33.8	8.89	16	33.8	K0		17	823	A -4 591
82		8.9A	23 23.655	0.0020	11	-1 39 43.65	-0.004	11	0.23	23.622	16	33.8	43.58	16	33.8	G5		17	822	A -2 621
83		9.0A	23 29.648	-0.0018	12	-7 17 45.41	0.003	12	0.25	29.677	16	33.8	45.46	16	33.8	A2		16	798	A -7 598
84		8.6A	23 31.214	-0.0018	09	-0 49 8.48	0.014	11	0.22	31.237	17	37.3	8.66	17	37.3	F5		21	737	A -1 493
85		9.1A	23 34.886	-0.0000	12	-9 36 57.74	0.027	12	0.25	34.886	16	33.8	58.18	16	33.8	F5		16	799	A -9 659
86		8.5A	23 42.253	-0.0009	13	-4 32 46.46	-0.014	13	0.27	42.268	16	33.8	46.23	16	33.8	K2		17	824	A -4 593
87		8.5Q	23 44.502	0.0007	11	-1 12 32.57	-0.009	07	0.44	44.472	17	08.5	32.12	15	99.7	F8		GC	4092K	-1 495
88		8.9A	23 45.996	-0.0014	12	-9 9 12.63	0.018	12	0.25	46.019	16	33.8	12.92	16	33.8	K0		16	800	A -9 661
89		8.9A	23 48.547	-0.0019	09	-2 18 55.54	-0.006	09	0.22	48.577	16	33.8	55.44	16	33.8	G0		17	825	A -2 623
90		8.8A	23 56.149	-0.0005	11	-1 58 34.92	-0.001	11	0.23	56.157	16	33.8	34.90	16	33.8	A2		17	826	A -2 627
91		8.6A	24 7.170	0.0015	15	-5 38 27.12	0.014	15	0.29	7.145	16	33.8	27.35	16	33.8	G0		17	827	A -5 656
92		9.3A	24 7.307	-0.0008	11	-9 12 52.14	-0.058	11	0.23	7.320	16	33.8	51.20	16	33.8	K0	R	16	802	A -9 662
93		9.2A	24 13.590	-0.0033	13	-9 32 24.15	-0.010	13	0.27	13.644	16	33.8	23.99	16	33.8	A		16	803	A -9 663
94		9.1A	24 13.753	-0.0005	13	-3 36 26.58	0.003	13	0.27	13.761	16	33.8	26.62	16	33.8	K0		17	828	A -3 552
95		7.8A	24 15.427	0.0010	09	-0 8 51.67	0.001	11	0.22	15.414	17	37.3	51.69	17	37.3	K0		21	742	A -0 546
96		8.8A	24 19.452	-0.0023	13	-9 41 34.15	-0.017	13	0.27	19.489	16	33.8	33.88	16	33.8	A2		16	804	A -10 679
97		8.1A	24 29.008	0.0010	12	-8 9 20.87	-0.020	12	0.25	28.992	16	33.8	20.55	16	33.8	K0		16	805	A -8 653
98		9.0A	24 32.936	0.0013	15	-4 54 46.18	-0.014	15	0.29	32.916	16	33.8	45.95	16	33.8	G5		17	829	A -5 660
99		8.9A	24 35.825	-0.0007	15	-3 26 36.06	-0.006	15	0.29	35.836	16	33.8	35.96	16	33.8	A3		17	830	A -3 553
00		9.1A	24 36.239	-0.0010	09	-5 34 7.12	-0.031	09	0.22	36.254	16	33.8	6.62	16	33.8	G5		17	831	A -5 662

130500

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	σ_μ ″.001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	00 3H DM NUMBER
1		9.1A	3 24 49.370	0.0021	11	-5 4 18.40	-0.030	11	0.23	49.336	16	33.8	17.92	16	33.8	F5	17	833	A -5 664
2		8.0A	24 49.744	-0.0004	13	-3 17 43.29	-0.040	13	0.27	49.750	16	33.8	42.84	16	33.8	K0	17	832	A -3 554
3		8.8A	25 0.695	-0.0010	12	-7 8 16.35	-0.003	12	0.25	0.711	16	33.8	16.30	16	33.8	A2	16	907	A -7 601
4		8.8A	25 15.775	-0.0008	12	-7 15 16.38	-0.012	12	0.23	15.790	16	33.8	16.19	16	33.8	K0	16	908	A -7 602
5		9.0A	25 32.197	-0.0019	12	-8 42 38.49	0.005	12	0.25	32.228	16	33.8	38.57	16	33.8	G5	16	909	A -9 670
6		8.0A	25 37.849	0.0037	09	-2 39 7.32	-0.013	09	0.22	37.188	16	33.8	7.10	16	33.8	F5	17	834	A -2 633
7		8.9A	25 44.772	-0.0008	13	-2 1 32.19	0.006	13	0.27	44.786	16	33.8	32.28	16	33.8	K0	17	835	A -2 635
8		9.0A	25 51.511	0.0003	11	-3 18 45.12	0.001	11	0.23	51.506	16	33.8	45.13	16	33.8	K0	17	836	A -3 558
9		8.4B	25 52.185	0.0233	12	-8 42 2.70	-0.207	13	0.38	51.199	15	07.3	53.58	17	05.9	K0	GC	4139	-7 603
10		8.2A	25 52.460	-0.0009	09	-4 44 4.87	-0.006	09	0.22	52.474	16	33.8	4.77	16	33.8	A2	17	837K	A -5 668
11		8.9A	26 5.442	-0.0006	13	-2 28 10.90	-0.019	13	0.27	5.451	16	33.8	10.58	16	33.8	G5	17	838	A -2 636
12		8.6A	26 10.113	0.0007	15	-3 23 12.60	-0.010	15	0.29	10.102	16	33.8	12.43	16	33.8	F0	17	839	A -3 560
13		8.5A	26 20.963	0.0032	09	-0 35 18.23	-0.093	11	0.21	20.923	17	37.7	17.08	17	37.7	K0	21	743	A -0 552
14		9.0A	26 36.301	-0.0014	13	-5 50 12.78	0.007	13	0.27	36.323	16	33.8	12.88	16	33.8	K0	17	840	A -5 681
15		9.1A	26 43.321	0.0015	12	-9 30 1.32	-0.012	12	0.25	43.297	16	33.8	1.13	16	33.8	F8	16	812	A -9 677
16		8.6A	26 43.710	0.0084	13	-3 58 4.14	0.037	13	0.27	43.671	16	33.8	4.73	16	33.8	A5	17	841	A -4 604
17		8.8A	26 50.055	-0.0006	12	-6 16 20.65	-0.017	12	0.25	50.064	16	33.8	20.37	16	33.8	K2	16	813	A -6 662
18		9.0A	26 56.334	-0.0003	11	-5 43 33.27	-0.005	11	0.23	56.338	16	33.8	33.19	16	33.8	G5	17	842	A -6 683
19		8.6A	27 4.310	0.0027	13	-1 55 9.63	-0.084	13	0.27	4.286	16	33.8	8.59	16	33.8	F8	17	843	A -2 640
20		6.2T	27 12.012	-0.0068	10	-6 56 28.08	-0.102	09	0.52	12.369	15	97.3	22.55	15	95.8	G5	GC	4162	-7 606
21		9.0A	27 30.180	-0.0011	12	-7 9 28.80	-0.029	12	0.25	30.198	16	33.8	28.33	16	33.8	F2	16	816	A -7 607
22		9.1A	27 32.375	0.0007	13	-6 27 16.80	-0.008	13	0.27	32.383	16	33.8	16.67	16	33.8	F5	16	817	A -6 685
23		9.3A	27 38.289	-0.0004	09	-5 1 31.36	-0.017	09	0.22	38.308	16	33.8	31.09	16	33.8	A3	17	844	A -5 672
24		9.0M	27 40.917	0.0046	09	-0 38 44.45	0.073	11	0.21	40.880	17	37.7	45.35	17	37.7	G0	21	750	A -0 555
25		9.0A	27 41.155	-0.0009	13	-6 52 56.23	-0.019	13	0.27	41.170	16	33.8	55.92	16	33.8	K	16	818	A -7 610
26		8.7A	27 43.862	-0.0009	13	-3 8 57.91	-0.009	13	0.27	43.876	16	33.8	57.76	16	33.8	F5	17	845	A -3 564
27		9.1A	28 5.041	-0.0012	11	-6 34 18.58	-0.002	11	0.23	5.061	16	33.8	18.55	16	33.8	F2	16	819	R A -6 686
28		4.8M	28 8.031	0.0006	01	-5 14 43.17	0.010	01	0.06	8.013	03	17.5	43.50	03	15.5	B9	F4	1097	-5 674
29		7.5T	28 9.690	0.0006	10	-4 26 36.76	-0.028	07	0.43	9.662	15	04.0	35.31	15	98.9	A3	GC	4187K	B* -4 609
30		8.9A	28 12.701	0.0000	13	-2 9 57.72	-0.001	13	0.27	12.700	16	33.8	57.70	16	33.8	A3	17	848	A -2 643
31		9.0A	28 13.991	-0.0029	13	-1 57 0.17	-0.092	13	0.27	14.037	16	33.8	58.68	16	33.8	G0	17	849	A -2 644
32		7.0T	28 15.852	0.0020	22	-9 54 3.44	0.010	20	0.97	15.764	26	06.3	3.89	24	05.1	K0	GC	4192	-10 691
33		9.0A	28 16.810	0.0008	13	-6 53 47.66	0.001	13	0.27	16.798	16	33.8	47.68	16	33.8	G	16	820	A -7 614
34		8.8A	28 20.417	0.0012	12	-6 23 37.40	-0.003	12	0.25	20.397	16	33.8	37.35	16	33.8	K5	16	821	A -6 689
35		8.8A	28 27.481	0.0010	13	-2 36 20.40	-0.022	13	0.27	27.465	16	33.8	20.04	16	33.8	K0	17	850	A -2 646
36		9.2A	28 27.849	0.0004	12	-8 39 25.86	-0.002	12	0.25	27.843	16	33.8	25.83	16	33.8	F5	16	822	A -9 686
37		6.6T	28 30.798	-0.0011	08	-0 39 0.84	-0.005	08	0.52	30.859	14	93.7	0.57	15	96.1	A0	GC	4202	-0 560
38		8.1A	28 32.689	0.0001	12	-5 47 59.19	-0.003	12	0.25	32.687	16	33.8	59.14	16	33.8	G5	17	852	A -6 690
39		8.6A	28 33.333	-0.0004	12	-2 25 1.00	-0.033	12	0.25	33.340	16	33.8	0.46	16	33.8	K0	17	851	A -2 648
40		9.6B	28 37.498	0.0044	09	-8 16 46.99	-0.032	08	0.42	37.308	18	06.9	45.56	19	05.2	G5	GC	4206	-8 684
41		9.0A	28 42.841	0.0020	11	-4 0 39.58	0.003	11	0.23	42.808	16	33.8	39.62	16	33.8	F5	17	853	A -4 612
42		8.5A	28 55.221	0.0007	13	-3 4 4.80	0.004	13	0.27	55.210	16	33.8	4.86	16	33.8	F0	17	854	A -3 565
43		9.0A	28 56.668	-0.0021	13	-4 1 13.97	-0.060	13	0.27	56.702	16	33.8	12.92	16	33.8	F8	17	855	A -4 614
44		7.3A	29 9.590	0.0002	15	-3 40 1.25	-0.003	15	0.29	9.587	16	33.8	1.20	16	33.8	G5	17	856	A -4 613
45		8.7A	29 16.105	0.0015	12	-6 14 3.56	0.030	12	0.25	16.081	16	33.8	4.04	16	33.8	K2	16	825	A -6 694
46		8.9A	29 34.271	0.0005	12	-6 39 27.43	0.020	12	0.25	34.253	16	33.8	27.76	16	33.8	K2	16	826	A -7 617
47		9.2A	29 35.353	-0.0014	11	-9 33 13.87	-0.001	11	0.23	35.355	16	33.8	13.86	16	33.8	F0	16	828	A -9 690
48		7.8A	29 36.287	-0.0016	12	-8 0 30.75	-0.008	12	0.25	36.313	16	33.8	30.63	16	33.8	A0	16	827	A -8 666
49		8.9A	29 36.973	-0.0017	12	-8 58 47.40	-0.006	12	0.25	37.000	16	33.8	47.50	16	33.8	F0	16	829	A -9 691
50		8.9A	29 47.949	0.0004	13	-1 51 36.13	-0.012	13	0.27	47.941	16	33.8	35.93	16	33.8	K0	17	857	A -2 649
51		7.5A	3 29 48.476	-0.0021	12	-7 15 28.77	-0.040	12	0.25	48.509	16	33.8	28.12	16	33.8	F8	16	831	A -7 618
52		8.8A	29 48.900	0.0000	12	-6 9 47.96	0.015	12	0.25	48.900	16	33.8	48.20	16	33.8	A2	16	830	A -6 695
53		9.2A	29 49.739	-0.0021	12	-7 15 28.46	-0.055	12	0.25	49.773	16	33.8	27.57	16	33.8	F8	R 16	832	A -7 619
54		8.2A	29 54.634	-0.0030	13	-3 28 52.48	-0.033	13	0.27	54.683	16	33.8	51.94	16	33.8	A0	17	858	A -3 570
55		8.1A	29 55.791	0.0108	09	-4 31 41.85	-0.074	09	0.22	55.616	16	33.8	40.65	16	33.8	G0	17	859	A -4 618
56		8.9A	29 57.987	-0.0015	13	-8 38 2.77	-0.011	13	0.27	58.011	16	33.8	2.59	16	33.8	K0	16	833	A -8 668
57		8.2A	29 58.244	-0.0051	12	-8 46 7.70	-0.245	12	0.25	58.326	16	33.8	5.74	16	33.8	F8	16	834	A -9 693
58		8.3A	30 9.708	-0.0002	11	-1 50 8.70	0.084	11	0.23	9.711	16	33.8	9.09	16	33.8	F0	17	860	A -2 651
59		8.4A	30 13.054	-0.0000	11	-4 35 17.84	-0.005	13	0.25	13.054	16	33.8	17.75	16	33.8	K0	17	861	A -4 619
60		8.6A	30 15.197	-0.0014	09	-0 40 16.06	0.015	11	0.21	15.215	17	37.7	16.24	17	37.7	G0	21	755	A -0 562
61		8.7A	30 25.879	-0.0014	13	-7 30 45.49	0.057	13	0.27	25.901	16	33.8	46.41	16	33.8	F5	16	835	A -7 622
62		8.8A	30 30.377	-0.0010	13	-3 6 2.27	0.012	13	0.27	30.362	16	33.8	2.47	16	33.8	K0	17	862	A -3 571
63		8.5A	30 31.152	-0.0005	09	-1 27 47.58	-0.013	11	0.21	31.157	17	37.7	47.42	17	37.7	G5	21	756	A -1 508
64		5.8M	30 34.355	-0.0002	01	-9 37 34.76	0.019	01	0.04	36.922	02	11.2	35.51	02	11.2	K0	F4	127	-9 697
65		7.5A	30 40.284	0.0000	13	-2 1 41.71	0.006	13	0.27	40.284	16	33.8	41.81	16	33.8	G5	17	863	A -2 652
66		9.0A	30 52.371	-0.0015	09	-1 40 27.46	-0.007	11	0.21	52.390	17	37.7	27.37	17	37.7	F5	R 21	758	A -1 510
67		8.8A	30 53.750	0.0004	09	-0 2 51.52	-0.006	11	0.21	53.745	17	37.7	51.44	17	37.7	F0	21	757	A -0 563
68		8.4A	30 55.356	0.0050	11	-4 33 1.39	-0.104	13	0.25	55.275	16	33.8	59.70	16	33.8	G5	17	864	A -4 621
69		8.7A	30 58.422	0.0088	11	-2 42 37.32	-0.015	11	0.23	58.361	16	33.8	37.07	16	33.8	K0	17	865	A -3 572
70		8.0A	31 5.368	0.0021	13	-4 9 36.94	0.005	13	0.27	5.334	16	33.8	37.01	16	33.8	K5	17	866	A -4 622
71		8.7A	31 7.358	-0.0007	09	-0 33 55.53	-0.019	11	0.21	7.367	17	37.7	55.30	17	37.7	K0	21	759	A -0 565
72		7.8A	31 11.212	-0.0002	13	-7 34 56.42	0.009	13	0.27	11.215	16	33.8	56.57	16	33.8	A5	16	837	A -7 624
73		9.0A	31 11.486	-0.0010	13	-9 31 1.23	-0.001	13	0.27	11.501	16	33.8	1.23	16	33.8	F0	16	838	A -9 698
74		7.9A	31 14.199	-0.0002	12	-7 35 46.11	0.031	12	0.25	14.202	16	33.8	46.62	16	33.8	F0	16	839	A -7 625
75		8.8A	31 18.462	0.0013	09	-0 46 37.90	-0.006	11	0.21	18.487	17	37.7	37.82	17	37.7	K0	21	760	A -1 512
76		9.0A	31 28.528	0.0086	13	-2 25 38.86	-0.011	13	0.27	28.487	16	33.8	38.68	16	33.8	F8	17	867	A -2 655
77		9.0A	31 30.246	0.0008	13	-2 19 33.94	0.001	13	0.27	30.234	16	33.8	33.96	16	33.8	G5	17	868	A -2 656
78		9.2A	31 39.949	0.0005	11	-9 16 22.48	0.000	11	0.23	39.940	16	33.8	22.48	16	33.8	F2	16	840	A -9 701
79		9.0A	31 42.205	0.0020	09	-0 0 48.90	-0.032	11	0.21	42.181	17	37.7	48.51	17	37.7	G0	21	761	A -0 566
80		8.8A	31 43.680	0.0021	13	-5 13 29.70	-0.003	13	0.27	43.657	16	33.8	29.65	16	33.8	K0	17	869	A -5 687
81		8.1A	31 46.338	-0.0009	13	-8 41 14.64	0.010	13	0.27	48.393	16	33.8	14.80	16	33.8	K0	16	841	A -7 627
82		9.1A	31 54.131	-0.0012	12	-9 21 31.38	0.011	12	0.25	54.149	16	33.8	31.56	16	33.8	K0	R 16	842	A -9 702
83		8.2A	31 54.258	0.0012	13	-3 23 37.70	-0.036	13	0.27	54.240	16	33.8	37.11	16	33.8	K0	17	870	A -3 574
84		9.0A	32 9.336	0.0004	13	-2 28 16.18	-0.016	13	0.27	9.350	16	33.8	15.93	16	33.8	K0	17	871	A -2 658
85		8.3A	32 12.500	0.0012	12	-7 32 30.87	0.011	12	0.25	12.480	16	33.8	31.05	16	33.8	K5	16	843	A -7 629
86		9.1A	32 15.749	0.0008	09	-3 33 54.72	-0.004	09	0.22	15.738	16	33.8	54.66	16	33.8	K5	16	844	A -6 702
87		7.4A	32 23.328	0.0020	09	-3 34 39.88	-0.022	09	0.22	23.294	16	33.8	39.52	16	33.8	A2	17	872	A -3 576
88		8.5A	32 37.342	-0.0000	11	-3 3 51.65	0.035	11	0.23	37.342	16	33.8	52.22	16	33.8	K5	17	873	A -5 695
89		9.0A	32 39.558	0.0084	09	-0 54 10.83	-0.127	11	0.21	39.479	17	37.7	9.26	17	37.7	G5	21	765	A -1 513
90		9.0A	32 43.222	-0.0019	12	-8 2 7.74	-0.040	12	0.25	43.253	16	33.8	7.10	16	33.8	A3	16	845	A -8 675
91		8.9A	32 51.898	0.0003	12	-8 56 1.58	0.020	12	0.25	51.893	16	33.8	1.91	16	33.8	K0	16	847	A -9 707
92		8.9A	33 12.528	-0.0002	12	-8 49 23.09	0.027	12	0.25	12.531	16	33.8	24.35	16	33.8	A5	16	848	A -7 631
93		9.0A	33 14.506	0.0007	11	-4 31 39.04	-0.008	11	0.23	14.556	16	33.8	38.90	16	33.8	F0	17	874	A -4 629
94		8.7A	33 15.152	-0.0085	13	-4 1 37.33	-0.171	13	0.27	15.257	16	33.8	34.75	16	33.8	G0	17	875	A -4 630
95		9.0A	33 19.389	-0.0020	12	-9 9 38.02	-0.004	12	0.25	19.402	16	33.8	37.96	16	33.8	A2	16	850	A -9 708
96		9.4A	33 19.857	-0.0005	12	-7 57 17.35	-0.050	12	0.25	19.865	16	33.8	16.54	16	33.8	G0	16	849	A -8 676
97		8.6B	33 23.931	-0.0083	16	-9 13 22.20	-0.202	13	0.65	24.318	17	08.4	13.21	18	05.5	G5	GC	4292	-9 709
98		6.6T	33 28.419	-0.0008	10	-5 17 23.55	0.003	10	0.58	28.450	17	96.6	23.73	17	96.8	K0	GC	4293	-5 696
99		9.0A	33 31.192	-0.0005	11	-2 31 36.89	-0.020	11	0.23	31.197	16	33.8	36.36	16	33.8	B9	17	877	A -2 667
00		9.3A	33 31.928	-0.0012	13	-8 50 2.52	-0.009	13	0.27	31.948	16	33.8	2.38	16	33.8	G5	R 16	852	A -9 710

130600 — EPOCH 1950 — ORIGINAL EPOCH — SOURCE — −00 3H

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.		CAT.	STAR NUMBER	DM NUMBER
1		9.0A	3 33 36.073	-0.0002	13	-5 10 12.70	0.007	13	0.27	36.076	16	33.8	12.82	16	33.8	A		17	878	A -5 697
2		8.8A	33 47.149	-0.0011	13	-5 45 6.95	0.008	13	0.27	47.166	16	33.8	7.08	16	33.8	F0		17	880	A -6 704
3		8.7A	33 49.519	0.0006	09	-1 43 58.31	0.008	09	0.22	49.509	16	33.8	58.44	16	33.8	K5		17	879	A -2 668
4		8.5A	33 57.644	0.0006	13	-3 47 55.52	0.006	13	0.27	57.634	16	33.8	50.61	16	33.8	G5		17	882	A -4 632
5		9.5A	33 57.793	0.0009	11	-1 41 35.90	-0.024	11	0.23	57.779	16	33.8	35.52	16	33.8	K0	F	17	881	A -2 669
6		8.9A	34 3.018	0.0012	12	-2 58 51.71	-0.008	12	0.25	2.998	16	33.8	51.58	16	33.8	K0		17	883	A -3 581
7		8.8A	34 8.209	-0.0012	09	-0 27 22.39	-0.032	11	0.21	8.224	17	37.7	22.00	17	37.7	K0		21	768	A -0 571
8		9.3A	34 15.787	-0.0020	13	-8 40 10.25	0.019	13	0.27	15.819	16	33.8	10.56	16	33.8	F0	R	16	854	A -8 680
9		9.0A	34 20.292	0.0005	12	-4 50 56.84	0.004	12	0.25	20.285	16	33.8	56.90	16	33.8	K0	F	17	884	A -5 700
10		9.1A	34 34.702	-0.0027	09	-0 31 4.08	-0.052	11	0.21	34.735	17	37.7	3.44	17	37.7	F5		21	772	A -0 574
11		9.0A	34 45.521	-0.0001	11	-4 49 4.56	0.002	11	0.23	45.524	16	33.8	4.59	16	33.8	K5		17	885	A -5 701
12		8.8A	35 3.864	-0.0008	12	-9 49 37.20	-0.017	12	0.25	3.877	16	33.8	36.93	16	33.8	K2		16	855	A -10 713
13		8.9A	35 15.793	0.0004	13	-8 25 20.72	0.025	13	0.27	15.787	16	33.8	21.13	16	33.8	K2		16	856	A -8 683
14		8.0A	35 16.476	0.0021	09	-0 1 19.33	-0.018	11	0.21	16.451	17	37.7	19.11	17	37.7	G5		21	777	A -0 577
15		8.8A	35 24.582	0.0041	12	-7 49 38.37	-0.091	12	0.25	24.516	16	33.8	36.90	16	33.8	G5		16	857	A -8 685
16		8.8A	35 28.105	-0.0005	12	-7 8 11.51	-0.051	12	0.25	28.113	16	33.8	10.69	16	33.8	G0		16	858	A -7 642
17		9.2A	35 32.144	-0.0072	13	-8 39 25.03	-0.060	13	0.27	32.261	16	33.8	24.06	16	33.8	G5	R	16	860	A -8 689
18		8.9A	35 35.026	0.0021	11	-4 29 40.35	0.042	11	0.23	34.993	16	33.8	41.02	16	33.8	K2		17	886	A -4 636
19		8.0A	35 36.000	-0.0003	12	-8 2 29.28	-0.023	12	0.25	36.004	16	33.8	28.91	16	33.8	K0		16	861	A -8 690
20		8.1A	35 43.871	0.0002	12	-7 38 46.44	0.026	12	0.25	43.868	16	33.8	46.87	16	33.8	G5		16	862	A -7 644
21		8.7A	35 44.363	0.0005	09	-1 54 26.38	-0.021	09	0.22	44.355	16	33.8	26.04	16	33.8	A2		17	887	A -2 675
22		8.5A	35 45.988	0.0020	11	-2 40 17.96	0.047	11	0.23	45.955	16	33.8	18.72	16	33.8	F8		17	888	A -3 588
23		9.0A	35 51.996	0.0021	11	-2 4 7.07	0.010	11	0.23	51.962	16	33.8	7.24	16	33.8	K0		17	889	A -2 676
24		8.7A	35 53.431	-0.0007	13	-1 43 58.81	-0.004	13	0.27	53.443	16	33.8	58.75	16	33.8	A0		17	890	A -2 677
25		9.1A	35 59.317	-0.0009	12	-6 11 25.80	-0.087	12	0.25	59.331	16	33.8	24.40	16	33.8	G0		16	863	A -6 711
26		8.3A	36 0.871	0.0011	11	-6 5 0.37	-0.025	11	0.23	0.853	16	33.8	59.97	16	33.8	K2		16	864	A -6 712
27		7.8A	36 2.286	-0.0010	11	-2 14 32.56	0.001	11	0.23	2.302	16	33.8	32.58	16	33.8	A2		17	891	A -2 679
28		5.9T	36 2.598	-0.0010	05	-7 33 11.77	-0.053	05	0.24	2.637	09	09.8	9.49	10	07.0	G5	GC	4340		-7 647
29		8.6A	36 9.875	-0.0004	09	-0 40 35.68	-0.010	11	0.21	9.879	17	37.7	35.56	17	37.7	K0		21	781	A -0 579
30		9.2A	36 19.885	-0.0029	13	-3 51 55.27	-0.017	13	0.27	19.932	16	33.8	54.99	16	33.8	K2		17	893	A -4 638
31		7.7A	36 22.179	0.0034	13	-1 41 14.35	-0.019	13	0.27	22.125	16	33.8	14.05	16	33.8	F0		17	892	A -2 681
32		7.4A	36 24.572	-0.0018	13	-8 40 7.60	-0.015	13	0.27	24.600	16	33.8	7.36	16	33.8	G5		16	866	A -8 692
33		8.2A	36 31.105	-0.0003	09	-0 42 14.56	-0.039	11	0.21	31.109	17	37.7	14.08	17	37.7	K2		21	784	A -1 517
34		6.0T	36 32.849	-0.0013	03	-5 47 6.61	-0.203	02	0.14	32.909	06	03.4	-56.71	06	01.2	G5	GC	4347	B*	-6 713
35		9.2A	36 39.249	0.0002	12	-6 39 41.66	0.006	12	0.25	39.246	16	33.8	41.76	16	33.8	F0		16	868	A -6 714
36		9.0A	36 48.920	-0.0017	12	-4 27 58.60	-0.031	12	0.25	48.948	16	33.8	58.09	16	33.8	G0		17	895	A -4 640
37		9.0A	36 53.020	-0.0004	12	-9 9 22.41	-0.055	12	0.25	53.027	16	33.8	21.52	16	33.8	F5		16	869	A -9 717
38		8.3A	37 1.983	0.0005	11	-8 10 23.04	-0.039	11	0.23	1.974	16	33.8	22.41	16	33.8	G5		16	870	A -8 694
39		6.4T	37 7.893	-0.0018	10	-3 33 12.18	-0.071	09	0.54	7.990	15	96.4	8.27	15	95.1	G5	GC	4361		-3 591
40		8.1A	37 9.147	0.0007	09	-0 57 8.67	-0.042	11	0.21	9.138	17	37.7	8.15	17	37.7	K5		21	785	A -1 518
41		8.2A	37 12.758	0.0003	12	-8 0 1.41	-0.009	12	0.25	12.753	16	33.8	1.27	16	33.8	K2		16	871	A +8 696
42		7.0T	37 19.898	0.0034	14	-6 56 18.49	0.035	15	0.69	19.739	15	05.6	20.08	15	04.7	A2		GC	4367	-7 654
43		8.3A	37 20.153	-0.0002	09	-2 5 9.92	-0.004	09	0.22	20.157	16	33.8	9.86	16	33.8	K2		17	898	A -2 684
44		9.0A	37 26.093	-0.0022	12	-5 50 17.31	0.007	12	0.25	26.128	16	33.8	17.43	16	33.8	G5	R	17	899	A -6 716
45		6.1T	37 26.810	0.0013	12	-1 16 54.24	0.019	14	0.69	26.741	15	97.1	55.18	17	00.2	G5	GC	4370		-1 519
46		8.9A	37 29.483	0.0017	12	-5 15 36.58	0.001	12	0.25	29.455	16	33.8	36.60	16	33.8	G5		17	900	A -5 711
47		8.0A	37 37.418	0.0000	11	-2 3 26.94	0.013	11	0.23	37.418	16	33.8	27.15	16	33.8	G5		17	901	A -2 686
48		7.0T	37 45.563	0.0014	11	-9 12 0.20	-0.003	10	0.56	45.495	19	02.1	0.05	19	00.2	F5	GC	4381		-9 719
49		6.7T	37 49.156	0.0465	12	-3 22 29.10	-0.214	12	0.57	46.967	15	02.9	19.21	15	03.8	F8	GC	4384	B*	-3 592
50		8.1A	37 51.421	-0.0001	13	-8 14 51.59	-0.022	13	0.27	51.422	16	33.8	51.24	16	33.8	G5		16	875	A -8 699
51		9.2A	3 38 1.090	-0.0018	12	-8 17 17.96	0.012	13	0.26	1.118	16	33.8	18.16	16	33.8	F8	R	16	876	A -8 700
52		5.5T	38 9.643	-0.0005	04	-5 22 15.47	-0.006	03	0.18	9.664	09	05.9	15.20	09	02.6	B8		GC	4395	B* -5 715
53		7.1T	38 14.750	0.0250	11	-2 29 23.09	-0.212	11	0.56	13.460	12	98.4	12.10	12	98.2	G5		GC	4399	-2 690
54		8.3A	38 16.610	-0.0022	13	-4 18 21.68	-0.007	13	0.27	16.645	16	33.8	21.56	16	33.8	F0		17	905	A -4 647
55		9.0A	38 23.502	-0.0011	11	-1 49 32.11	-0.035	11	0.23	23.520	16	33.8	31.54	16	33.8	G0		17	906	A -2 691
56		8.6A	38 23.525	-0.0005	12	-6 22 6.61	-0.010	12	0.25	23.533	16	33.8	6.45	16	33.8	K0		16	877	A -6 722
57		9.0A	38 25.025	-0.0017	13	-2 18 4.32	-0.044	13	0.27	25.053	16	33.8	3.61	16	33.8	G5		17	907	A -2 692
58		9.0A	38 25.198	0.0052	11	-9 1 19.96	0.020	11	0.23	25.114	16	33.8	20.29	16	33.8	G5		16	878	A -9 722
59		8.8A	38 30.390	-0.0014	11	-2 21 12.47	-0.004	11	0.23	30.414	16	33.8	12.41	16	33.8	A5		17	908	A -2 693
60		9.0A	38 32.906	-0.0003	12	-6 51 45.15	0.009	12	0.25	32.911	16	33.8	45.30	16	33.8	K0		16	879	A -7 655
61		9.1A	38 35.264	0.0006	13	-5 31 40.14	-0.058	13	0.27	35.254	16	33.8	39.20	16	33.8	G5	R	17	909	A -5 717
62		8.5A	38 41.066	-0.0005	13	-5 26 53.30	0.057	13	0.27	41.074	16	33.8	54.23	16	33.8	F8		17	910	A -5 718
63		9.2A	38 46.275	-0.0026	12	-5 59 28.37	-0.001	12	0.25	46.317	16	33.8	28.36	16	33.8	F8		16	881	A -6 724
64		9.0A	38 48.250	-0.0009	12	-5 50 25.52	-0.017	12	0.25	48.264	16	33.8	25.25	16	33.8	F0		17	911	A -6 725
65		8.3A	38 51.763	-0.0008	09	-0 22 47.49	-0.003	11	0.21	51.773	17	37.7	47.45	17	37.7	A0		21	789	A -0 584
66		8.8Q	38 57.289	0.0003	14	-9 21 9.95	0.007	11	0.57	57.276	19	08.1	10.26	18	06.5	K0		GC	4417	-9 724
67		8.7A	39 2.640	-0.0020	12	-6 13 57.49	-0.015	12	0.25	2.672	16	33.8	57.25	16	33.8	K2		16	884	A -6 726
68		8.6A	39 4.618	-0.0002	09	-0 19 21.87	-0.007	11	0.21	4.620	17	37.7	21.78	17	37.7	A0		21	791	A -0 585
69		8.0A	39 10.635	-0.0024	13	-3 0 23.75	-0.028	13	0.27	10.675	16	33.8	23.30	16	33.8	G0		17	912	A -3 597
70		8.6A	39 15.160	0.0013	13	-5 24 1.35	0.003	13	0.27	15.140	16	33.8	1.40	16	33.8	A3		17	913	A -5 721
71		8.7A	39 30.184	-0.0006	11	-6 34 38.64	-0.021	11	0.23	30.193	16	33.8	38.31	16	33.8	K5		16	885	A -6 728
72		9.1A	39 32.447	-0.0038	13	-3 31 28.40	-0.012	13	0.27	32.509	16	33.8	28.20	16	33.8	G5		17	914	A -3 599
73		8.3A	39 40.763	-0.0003	12	-7 24 6.60	0.000	12	0.25	40.768	16	33.8	6.60	16	33.8	K5		16	886	A -7 658
74		8.6A	39 47.124	-0.0040	17	-9 59 10.26	-0.018	18	0.33	47.189	18	33.8	9.97	16	33.8	G0	J	11	854	A -10 724
75		8.8A	39 49.747	-0.0026	15	-9 53 38.05	0.016	17	0.31	49.788	18	33.8	38.31	16	33.8	F0	J	11	855	A -10 725
76		9.1A	39 54.042	0.0005	11	-7 49 43.25	-0.023	11	0.23	54.034	16	33.8	42.88	16	33.8	F0		16	887	A -8 706
77		9.1A	40 0.736	0.0052	09	-2 24 27.30	-0.012	09	0.22	0.652	16	33.8	27.11	16	33.8	G5		17	915	A -2 699
78		7.7A	40 14.322	-0.0000	09	-4 45 50.09	0.006	09	0.22	14.322	16	33.8	50.18	16	33.8	B9		17	917	A -5 724
79		9.0A	40 15.121	-0.0006	12	-2 31 8.22	-0.018	12	0.25	15.132	16	33.8	7.92	16	33.8	F0		17	916	A -2 700
80		9.0A	40 15.450	-0.0020	13	-4 31 28.48	0.018	13	0.27	15.483	16	33.8	26.77	16	33.8	K0	R	17	918	A -4 652
81		8.8A	40 32.002	0.0022	12	-9 0 48.59	0.004	12	0.25	31.966	16	33.8	48.66	16	33.8	F2		16	889	A -9 733
82		9.0A	40 32.382	-0.0018	13	-8 15 13.24	0.005	11	0.25	32.411	16	33.8	13.32	16	33.8	K		16	888	A -8 708
83		8.9A	40 40.793	0.0056	09	-0 14 7.59	0.012	11	0.21	40.724	17	37.7	7.74	17	37.7	G5		21	793	A -0 587
84		9.2A	40 41.879	0.0007	13	-7 39 7.79	-0.016	13	0.27	41.868	16	33.8	7.53	16	33.8	A3		16	890	A -7 663
85		7.5A	40 50.718	0.0003	11	-2 13 34.89	-0.068	11	0.23	50.714	16	33.8	33.79	16	33.8	K0		17	919	A -2 702
86		3.7H	40 51.035	-0.0067	01	-9 55 53.05	0.746	01	0.04	51.269	02	15.2	+19.00	02	15.2	K0		F4	135	-10 726
87		7.8A	41 4.553	0.0029	11	-2 14 6.87	-0.003	11	0.23	4.506	16	33.8	6.82	16	33.8	K2		17	920	A -2 703
88		8.8A	41 6.500	0.0014	12	-8 13 14.81	0.002	12	0.25	6.477	16	33.8	14.85	16	33.8	F2		16	891	A -8 709
89		8.8A	41 11.427	0.0002	13	-5 0 18.74	-0.022	13	0.27	11.424	16	33.8	18.39	16	33.8	F5		17	921	A -5 729
90		8.9A	41 13.301	0.0007	12	-6 0 5.26	-0.020	12	0.25	13.290	16	33.8	4.94	16	33.8	K0		16	892	A -6 734
91		7.7A	41 21.109	0.0043	12	-9 45 36.83	-0.019	12	0.25	21.039	16	33.8	36.53	16	33.8	K0		16	893	A -10 730
92		8.5A	41 25.167	0.0021	13	-4 26 11.38	-0.007	13	0.27	25.134	16	33.8	11.26	16	33.8	A0		17	922	A -4 655
93		7.8A	41 28.813	-0.0016	11	-8 2 21.11	-0.003	11	0.23	28.839	16	33.8	21.07	16	33.8	G5		16	894	A -8 710
94		9.1A	41 30.371	-0.0029	11	-9 29 13.21	0.024	11	0.23	30.417	16	33.8	13.60	16	33.8	F5	R	16	895K	A -9 736
95		8.3A	41 34.990	0.0019	13	-2 7 41.87	-0.013	13	0.27	34.980	16	33.8	41.66	16	33.8	K0		17	923	A -2 707
96		8.6A	41 35.067	0.0016	13	-6 12 50.20	0.030	13	0.27	35.042	16	33.8	50.69	16	33.8	F8		16	896	A -6 736
97		8.7A	41 43.722	-0.0007	12	-6 3 48.35	0.029	12	0.25	43.733	16	33.8	48.82	16	33.8	K0		16	897	A -6 738
98		5.1H	41 57.943	-0.0002	02	-1 19 10.07	-0.003	02	0.07	57.949	04	19.1	9.97	04	17.2	B8		F4	137	-1 526
99		8.9A	42 0.593	0.0004	13	-3 39 14.82	-0.003	13	0.27	0.586	16	33.8	14.76	16	33.8	K0		17	924	A -3 605
00		8.6Q	42 7.356	-0.0002	13	-8 44 35.64	-0.001	09	0.53	7.364	19	08.4	35.59	19	02.7	B9		GC	4483	-9 738

130700

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	SOURCE CAT.	STAR NUMBER	DM NUMBER
1		8.9A	3 42 16.043	-0.0015	09	-0 34 29.62	0.022	11	0.21	16.061	17	37.7	30.09	17	37.7	F2	21	797	A -0 592
2		9.0A	42 16.964	-0.0018	09	-0 54 43.14	-0.127	11	0.21	16.986	17	37.7	41.57	17	37.7	G0	21	798	A -1 528
3		9.1A	42 17.321	0.0025	12	-8 11 36.73	-0.030	12	0.25	17.281	16	33.8	36.25	16	33.8	G0	16	899	A -8 716
4		5.8T	42 22.897	0.0035	04	-0 27 9.50	0.002	03	0.22	22.724	10	00.5	9.62	09	98.2	K2	GC	4491	B* -0 593
5		9.1A	42 51.041	0.0002	13	-9 11 13.86	0.006	11	0.25	51.038	16	33.8	13.96	16	33.8	K0 R	16	900	A -9 740
6		8.3A	42 59.398	-0.0000	13	-8 5 33.45	0.012	12	0.26	59.398	16	33.8	33.65	16	33.8	B9	16	901	A -8 718
7		9.0A	43 11.058	-0.0014	12	-6 28 42.64	-0.032	12	0.25	11.080	16	33.8	42.13	16	33.8	K2	16	902	A -6 743
8		9.0A	43 25.846	-0.0011	11	-5 27 45.46	0.000	11	0.23	25.873	16	33.8	45.47	16	33.8	A0	17	925	A -5 738
9		8.8A	43 27.047	-0.0008	12	-6 38 2.54	0.018	12	0.25	27.062	16	33.8	2.83	16	33.8	G0	16	903	A -6 745
10		8.8A	43 30.018	-0.0003	12	-6 7 10.41	0.007	12	0.25	30.025	16	33.8	10.53	16	33.8	K0	16	904	A -6 746
11		8.0A	43 32.513	0.0023	11	-9 9 48.72	-0.012	11	0.23	32.476	16	33.8	48.53	16	33.8	G5	16	905	A -9 741
12		9.1A	43 53.756	-0.0016	09	-1 52 39.16	-0.002	09	0.22	53.783	16	33.8	39.13	16	33.8	A2	17	926	A -2 714
13		8.6A	44 10.254	-0.0028	15	-9 52 46.08	-0.069	17	0.31	10.298	18	33.8	44.97	16	33.8	G0 J	11	875	A -10 743
14		8.4Q	44 12.174	0.0000	09	-9 35 47.88	-0.017	07	0.44	12.174	17	04.1	47.04	17	00.6	K0	GC	4534	-9 743
15		9.0A	44 14.259	-0.0024	09	-0 1 15.32	-0.080	11	0.21	14.289	17	37.7	14.33	17	37.7	G5	21	805	A -0 598
16		9.4T	44 26.486	-0.0003	13	-9 32 26.54	-0.005	09	0.55	26.499	18	05.2	26.30	18	00.9	G0	GC	4539	-9 745
17		8.8A	44 34.966	-0.0010	13	-8 31 4.83	-0.018	13	0.27	34.982	16	33.8	4.54	16	33.8	A0	16	909	A -8 725
18		9.0A	44 35.818	-0.0007	14	-1 36 31.33	-0.009	20	0.27	35.827	17	37.7	31.22	17	37.7	K0	21	806	A* -1 533
19		9.0A	44 46.020	0.0014	11	-3 26 51.04	-0.014	11	0.23	45.998	16	33.8	50.81	16	33.8	K2	17	928	A -3 612
20		8.8A	44 55.599	0.0013	09	-2 27 15.35	-0.029	09	0.22	55.578	16	33.8	14.88	16	33.8	F5	17	929	A -2 717
21		9.0A	44 57.819	0.0017	09	-4 45 15.77	-0.009	09	0.22	57.792	16	33.8	15.62	16	33.8	A5	17	930	A -5 746
22		9.1A	45 11.389	-0.0014	11	-8 56 8.03	-0.006	11	0.23	11.412	16	33.8	7.94	16	33.8	A0	16	910	A -9 748
23		8.2A	45 14.245	0.0040	11	-2 43 7.90	-0.045	11	0.23	14.181	16	33.8	7.16	16	33.8	F5	17	931	A -3 614
24		8.9A	45 16.627	-0.0018	13	-5 4 5.91	-0.059	13	0.27	16.656	16	33.8	4.96	16	33.8	G5	17	932	A -5 748
25		7.5A	45 18.549	-0.0006	13	-4 59 23.80	-0.013	13	0.27	18.559	16	33.8	23.58	16	33.8	K0	17	933	A -5 749
26		9.1A	45 20.760	-0.0012	12	-8 45 52.32	0.002	12	0.25	20.778	16	33.8	52.36	16	33.8	A0	16	912	A -9 749
27		8.5A	45 22.741	0.0007	12	-7 10 44.21	0.012	12	0.25	22.730	16	33.8	44.41	16	33.8	A0	16	913	A -7 681
28		9.0A	45 22.922	-0.0009	13	-5 36 13.25	-0.009	13	0.27	22.936	16	33.8	13.11	16	33.8	K5 R	17	935	A -5 750
29		8.9A	45 23.992	-0.0020	11	-2 51 22.31	0.009	11	0.23	24.024	16	33.8	22.45	16	33.8	F2	17	934	A -3 615
30		6.9T	45 28.032	-0.0023	12	-3 0 52.02	-0.003	12	0.64	28.155	17	96.6	51.85	17	98.8	A2	GC	4565	-3 616
31		8.9A	45 31.351	-0.0007	09	-0 42 53.64	-0.017	11	0.21	31.360	17	37.7	53.43	17	37.7	F5	21	808K	A -1 534
32		9.0A	45 36.728	0.0055	09	-0 3 18.63	-0.040	11	0.21	36.661	17	37.7	18.14	17	37.7	G	21	809	A -0 601
33		8.4A	45 39.880	-0.0012	12	-8 11 50.67	-0.068	12	0.25	39.899	16	33.8	49.57	16	33.8	F2	16	914	A -8 728
34		6.7A	45 47.493	-0.0008	12	-6 45 5.45	0.034	12	0.25	47.506	16	33.8	6.01	16	33.8	A2	16	915	A -7 682
35		9.1A	45 49.094	-0.0020	13	-9 13 11.10	0.014	13	0.27	49.127	16	33.8	11.33	16	33.8	K0 R	16	916	A -9 751
36		8.7T	45 52.734	0.0007	09	-1 41 19.30	-0.015	11	0.46	52.704	15	06.2	18.64	17	06.5	K0	GC	4576	-1 536
37		8.3A	45 56.116	-0.0002	11	-2 16 55.45	-0.021	11	0.23	56.119	16	33.8	55.11	16	33.8	K2	17	938	A -2 721
38		8.4A	45 58.771	0.0011	15	-4 40 45.76	0.004	15	0.29	58.753	16	33.8	45.82	16	33.8	G0	17	939	A -4 668
39		8.4A	46 5.803	-0.0030	12	-6 29 10.46	-0.039	12	0.25	5.851	16	33.8	9.83	16	33.8	G0	16	917	A -6 754
40		7.3A	46 8.426	0.0010	09	-4 34 23.48	-0.009	09	0.22	8.410	16	33.8	23.33	16	33.8	G0	17	940	A -4 670
41		8.1A	46 12.196	-0.0031	13	-6 58 5.68	0.031	13	0.27	12.245	16	33.8	6.19	16	33.8	G0	16	918	A -7 684
42		7.8A	46 13.613	0.0005	11	-2 34 51.72	0.003	11	0.23	13.605	16	33.8	51.76	16	33.8	G5	17	941	A -2 723
43		7.8T	46 20.841	0.0008	15	-7 10 0.14	-0.025	16	0.73	20.802	15	03.0	59.01	17	04.6	MB	GC	4589	-7 685
44		9.0A	46 29.435	0.0008	09	-1 14 53.32	-0.092	11	0.21	29.426	17	37.7	52.19	17	37.7	G5	21	813	A -1 537
45		8.9A	46 44.163	-0.0014	09	-1 39 36.54	0.000	11	0.21	44.181	17	37.7	36.54	17	37.7	G5	21	814K	A -1 538
46		6.8T	46 46.509	0.0055	07	-1 36 16.28	-0.052	06	0.45	46.162	14	86.8	12.88	12	84.7	G5	GC	4607	-1 539
47		9.0A	46 47.801	-0.0001	12	-6 25 0.14	-0.003	12	0.25	47.802	16	33.8	0.10	16	33.8	K2	16	920	A -6 756
48		9.0A	46 50.060	-0.0013	09	-0 59 32.13	-0.044	11	0.21	50.077	17	37.7	31.59	17	37.7	G0	21	816	A -0 540
49		8.5A	46 57.190	-0.0003	09	-0 30 26.92	-0.033	11	0.21	57.195	17	37.7	26.51	17	37.7	B9	21	818	A -0 605
50		8.7A	47 1.383	-0.0013	09	-4 40 16.90	-0.023	09	0.22	1.404	16	33.8	16.52	16	33.8	A5	17	944	A -4 672
51		8.7A	3 47 4.257	-0.0051	12	-8 22 59.99	-0.104	11	0.24	4.339	16	33.8	58.31	16	33.8	G5	16	921	A -8 730
52		7.3A	47 7.448	-0.0038	09	-2 28 46.94	-0.061	09	0.22	7.509	16	33.8	45.96	16	33.8	G0	17	945	A -2 726
53		9.6A	47 11.880	-0.0007	12	-9 36 53.42	0.023	12	0.25	11.891	16	33.8	53.80	16	33.8	K0 R	16	922	A -9 754
54		9.0A	47 13.367	0.0022	13	-3 5 9.71	0.006	13	0.27	13.352	16	33.8	9.81	16	33.8	A0	17	946	A -3 619
55		9.0A	47 13.833	-0.0008	13	-5 26 18.21	-0.015	13	0.27	13.846	16	33.8	17.97	16	33.8	K0	17	947	A -5 755
56		9.1A	47 21.574	-0.0014	12	-8 17 1.04	-0.036	12	0.25	21.597	16	33.8	0.46	16	33.8	F2 R	16	923	A -8 732
57		8.8A	47 24.539	-0.0010	12	-7 40 26.71	0.028	12	0.25	24.555	16	33.8	27.17	16	33.8	G5	16	924	A -7 687
58		8.8Q	47 27.256	0.0026	17	-8 13 15.14	-0.061	17	0.73	27.146	18	08.1	11.71	18	07.6	G0	GC	4619	-8 733
59		8.8A	47 28.722	0.0040	13	-2 26 8.30	-0.020	13	0.27	28.657	16	33.8	7.98	16	33.8	F5	17	948	A -2 730
60		9.0A	47 36.847	0.0004	13	-5 36 1.11	0.025	13	0.27	36.841	16	33.8	1.52	16	33.8	K5 R	17	949	A -5 757
61		9.0A	47 41.128	-0.0022	14	-0 4 16.65	0.001	20	0.27	41.155	17	37.7	16.66	17	37.7	K0	21	821	A* -0 607
62		6.5T	47 43.674	0.0073	08	-1 40 25.39	0.019	08	0.46	43.269	14	94.5	26.46	14	93.7	F2	GC	4627K	-1 544
63		7.5A	47 48.517	-0.0000	13	-4 2 19.82	-0.009	13	0.27	48.517	16	33.8	19.67	16	33.8	K0	17	951	A -4 674
64		8.0T	47 51.529	-0.0011	11	-5 13 34.77	-0.009	08	0.47	51.579	17	03.3	34.34	15	99.8	K0	GC	4629	B* -5 758
65		9.2A	47 59.962	-0.0007	11	-5 10 23.20	-0.002	11	0.23	59.974	16	33.8	23.17	16	33.8	K2 R	17	953	A -5 760
66		8.0A	48 12.368	0.0017	13	-4 46 9.27	-0.245	13	0.27	12.340	16	33.8	5.30	16	33.8	G0	17	954	A -5 762
67		8.7A	48 18.597	0.0026	09	-0 18 54.93	-0.009	11	0.21	18.568	17	37.7	55.04	17	37.7	K0	21	825	A -0 608
68		9.2A	48 23.190	-0.0013	09	-2 31 57.82	-0.007	09	0.22	23.211	16	33.8	57.70	16	33.8	F8 F	17	955	A -2 735
69		9.1A	48 34.078	-0.0011	12	-6 12 42.64	-0.025	12	0.25	34.095	16	33.8	42.24	16	33.8	F5	16	928	A -6 759
70		8.6A	48 34.492	-0.0019	09	-0 10 50.56	-0.019	11	0.21	34.516	17	37.7	50.33	17	37.7	K2	21	827	A -0 609
71		9.1A	48 35.483	-0.0014	12	-8 44 42.65	-0.001	12	0.25	35.505	16	33.8	42.63	16	33.8	K0 R	16	929	A -9 760
72		8.6A	48 38.204	0.0014	15	-9 53 13.05	-0.021	17	0.31	38.181	18	33.8	12.71	16	33.8	G5 J	11	894	A -10 759
73		8.6A	48 54.689	-0.0011	09	-1 31 13.81	-0.012	11	0.21	54.703	17	37.7	13.66	17	37.7	MC	21	828	A -1 546
74		8.9A	48 57.000	-0.0031	13	-2 7 23.95	-0.041	13	0.27	57.051	16	33.8	23.29	16	33.8	F2	17	956	A -2 737
75		8.8A	49 5.094	0.0040	09	-2 33 50.85	-0.005	09	0.22	5.029	16	33.8	50.77	16	33.8	F5	17	957	A -2 738
76		8.9A	49 6.135	-0.0003	12	-7 47 13.01	-0.036	12	0.25	6.140	16	33.8	12.43	16	33.8	G0 R	16	930	A -8 737
77		9.0A	49 16.968	-0.0008	09	-0 40 40.92	-0.011	11	0.21	16.977	17	37.7	40.78	17	37.7	A0	21	830	A -0 611
78		9.1A	49 22.702	-0.0027	12	-6 49 29.18	-0.144	11	0.24	22.745	16	33.8	26.85	16	33.8	G0 R	16	931	A -7 693
79		8.3A	49 28.961	0.0013	12	-1 46 35.99	-0.002	12	0.25	28.940	16	33.8	35.96	16	33.8	F0	17	958	A* -2 739
80		6.7T	49 36.172	-0.0012	05	-1 17 50.30	-0.015	04	0.23	36.228	09	03.4	49.54	09	99.5	B9	GC	4667	-1 548
81		8.5A	49 36.205	-0.0008	11	-3 33 56.98	0.002	11	0.23	36.219	16	33.8	57.00	16	33.8	F5	17	959	A -3 625
82		7.8A	49 37.838	-0.0019	11	-3 44 42.63	-0.043	11	0.23	37.869	16	33.8	41.93	16	33.8	F5	17	960	A -4 682
83		9.1A	49 40.564	0.0009	12	-6 23 33.87	-0.001	12	0.25	40.549	16	33.8	33.86	16	33.8	G5	16	932	A -6 764
84		6.9T	49 43.922	0.0027	10	-0 48 15.98	-0.014	11	0.57	43.773	14	95.0	15.24	15	97.3	A2	GC	4669	-1 549
85		7.1T	50 2.179	0.0005	05	-5 12 10.60	0.028	06	0.33	2.150	14	93.4	12.29	12	90.3	F0	GC	4672	-5 768
86		8.8A	50 6.665	0.0028	11	-2 28 34.33	-0.019	13	0.25	6.623	16	33.8	34.02	16	33.8	F8	17	962	A -2 742
87		8.9A	50 9.647	-0.0015	09	-1 9 12.62	-0.029	11	0.21	9.666	17	37.7	12.26	17	37.7	A2	21	835	A -1 551
88		8.1A	50 11.890	0.0003	12	-8 38 21.41	-0.043	12	0.25	11.884	16	33.8	20.72	16	33.8	F2	16	933	A -8 740
89		5.5T	50 13.259	-0.0011	03	-5 30 33.52	-0.009	03	0.20	13.321	07	93.4	33.03	07	94.5	B8	GC	4675K	B* -5 769
90		9.0A	50 20.447	0.0002	09	-0 8 34.06	-0.020	11	0.21	20.445	17	37.7	33.81	17	37.7	A0	21	836	A -0 613
91		9.0A	50 21.994	0.0001	12	-6 5 35.96	-0.019	12	0.25	21.993	16	33.8	35.66	16	33.8	A0	16	934	A -6 766
92		8.9A	50 23.593	0.0002	13	-4 36 37.66	0.005	13	0.27	23.590	16	33.8	37.74	16	33.8	K0	17	964	A -4 683
93		7.5A	50 30.463	0.0017	13	-4 31 4.27	-0.040	15	0.28	30.436	16	33.8	3.62	16	33.8	F5	17	965	A -4 684
94		9.0A	50 36.597	-0.0004	13	-1 59 6.38	-0.010	13	0.27	36.604	16	33.8	6.22	16	33.8	F8	17	966K	A -2 745
95		8.2Q	50 39.899	-0.0015	08	-2 8 41.56	0.009	07	0.39	39.969	14	03.3	42.03	14	97.2	F0	GC	4682K	-2 747
96		6.5H	50 41.271	-0.0002	03	-6 46 52.82	-0.002	03	0.09	41.277	05	22.8	52.77	04	21.8	B9	F4	1107	-7 695
97		8.3A	50 45.187	0.0007	13	-3 28 38.51	-0.002	13	0.27	45.176	16	33.8	38.47	16	33.8	A3	17	968	A -3 629
98		8.2A	51 0.756	0.0007	12	-8 9 46.19	-0.020	12	0.25	0.744	16	33.8	45.87	16	33.8	K0	16	936	A -8 744
99		8.9A	51 3.516	-0.0006	12	-5 9 47.10	-0.022	12	0.25	3.525	16	33.8	46.75	16	33.8	MA	17	969	A -5 771
00		9.0A	51 8.726	0.0012	14	-1 39 36.36	0.011	20	0.27	8.712	17	37.7	36.49	17	37.7	K2 R	21	839	A* -1 553

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3H

130800

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ_s s	σ_{μ} ″.001	δ_{1950} ° ′ ″	μ' ″	σ'_{μ} ″.001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	- 0° 3H DM NUMBER
1		9.1A	3 51 17.437	-0.0008	12	-9 12 9.14	0.016	12	0.25	17.450	16	33.8	9.40	16	33.8	K5 R	16	937	A -9 768
2		9.1A	51 28.619	0.0004	12	-9 24 10.32	0.015	12	0.25	29.613	16	33.8	10.57	16	33.8	K2 R	16	938	A -9 770
3		8.8A	51 40.141	-0.0003	09	-0 17 10.61	-0.048	11	0.21	40.145	17	37.7	10.02	17	37.7	F8	21	842	A -0 616
4		8.5A	51 40.408	0.0019	13	-6 40 84.61	-0.046	13	0.27	40.378	16	33.8	23.87	16	33.8	K0	16	939	A -6 778
5		6.3T	51 46.545	0.0016	09	-3 5 57.22	0.010	08	0.49	46.460	17	96.9	57.80	17	91.3	A2	GC	4705K	B* -3 631
6		5.0T	51 46.679	0.0016	03	-3 6 4.36	0.005	02	0.20	46.581	09	88.9	4.68	09	85.1	G5	GC	4706K	B* -3 631
7		9.2A	51 56.914	-0.0006	12	-6 57 42.57	0.019	12	0.25	56.924	16	33.8	42.88	16	33.8	F5 R	16	940K	A -7 698
8		9.1A	51 58.303	-0.0040	13	-7 45 46.97	-0.010	13	0.27	58.368	16	33.8	46.81	16	33.8	F8 R	16	941	A -8 748
9		8.2A	52 0.953	-0.0085	12	-5 59 50.89	-0.001	12	0.25	0.993	16	33.8	50.88	16	33.8	F0	16	942	A -6 779
10		7.8A	52 4.958	-0.0013	09	-4 18 14.80	0.007	08	0.22	4.979	16	33.8	14.90	16	33.8	G5	17	971	A -4 689
11		8.3A	52 8.626	-0.0015	13	-6 58 46.26	0.531	13	0.27	8.650	16	33.8	54.86	16	33.8	M2 R	16	943	A -7 699
12		7.1T	52 10.798	-0.0020	10	-9 39 59.87	-0.019	09	0.48	10.893	17	02.2	58.92	15	99.9	F2	GC	4718	A -9 773
13		8.5A	52 15.252	-0.0010	11	-4 30 16.04	0.010	11	0.23	15.268	16	33.8	16.20	16	33.8	F5	17	972	A -4 690
14		8.4A	52 16.684	0.0047	12	-8 3 18.29	-0.087	12	0.25	16.606	16	33.8	16.88	16	33.8	G5	16	945	A -8 751
15		8.5A	52 19.571	0.0017	09	-0 8 6.45	-0.042	11	0.21	19.551	17	37.7	5.93	17	37.7	F0	21	845	A -0 618
16		8.9A	52 25.703	-0.0008	09	-1 24 35.78	0.058	11	0.21	25.712	17	37.7	36.49	17	37.7	G5	21	846K	A -1 558
17		9.1A	52 27.927	-0.0007	11	-6 0 28.76	0.009	11	0.23	27.937	16	33.8	28.91	16	33.8	K5	16	946	A -6 782
18		8.4B	52 40.625	-0.0003	11	-5 7 16.05	0.050	08	0.48	40.638	18	05.1	18.52	17	01.0	F0	GC	4726	-5 775
19		9.0A	52 44.836	-0.0020	12	-9 4 28.71	0.005	12	0.25	44.869	16	33.8	28.79	16	33.8	F0	16	947	A -9 775
20		9.0A	52 48.290	0.0022	09	-1 52 24.62	-0.100	09	0.22	48.255	16	33.8	23.00	16	33.8	G5	17	974	A -2 754
21		9.0A	53 1.793	-0.0003	09	-1 13 34.99	-0.118	11	0.21	1.797	17	37.7	33.43	17	37.7	A5	21	848	A -1 559
22		9.1A	53 14.076	0.0013	12	-8 51 7.20	-0.044	12	0.25	14.084	16	33.8	6.49	16	33.8	F8 R	16	949	A -9 779
23		9.1A	53 15.743	0.0008	11	-6 35 37.64	-0.025	11	0.23	15.731	16	33.8	37.27	16	33.8	M0 R	16	948	A -6 784
24		7.2A	53 20.214	-0.0019	09	-4 40 15.62	-0.052	09	0.22	20.245	16	33.8	14.77	16	33.8	F5	17	975	A -4 694
25		8.7A	53 27.681	-0.0001	09	-3 15 52.97	-0.029	09	0.22	27.683	16	33.8	52.50	16	33.8	K5	17	976	A -3 640
26		8.8A	53 28.069	0.0055	12	-7 25 54.99	-0.007	12	0.25	27.980	16	33.8	54.88	16	33.8	F5	16	950	A -7 706
27		7.5A	53 39.877	0.0006	12	-7 47 11.03	-0.016	12	0.25	39.867	16	33.8	10.77	16	33.8	K0	16	951	A -8 757
28		8.3A	53 45.972	-0.0028	16	-9 58 50.95	-0.023	20	0.35	46.016	18	33.8	50.58	16	33.8	F2 J	11	913	A -10 787
29		8.9A	53 46.265	-0.0005	12	-7 5 21.65	0.024	12	0.25	46.273	16	33.8	22.04	16	33.8	G	16	952K	A -7 707
30		8.5A	53 48.265	-0.0002	11	-5 17 50.34	0.011	11	0.23	48.268	16	33.8	50.52	16	33.8	K5	17	977	A -5 779
31		9.0A	54 5.669	-0.0021	12	-6 32 9.92	-0.100	11	0.24	5.703	16	33.8	8.31	16	33.8	F8 R	16	953K	A -6 787
32		7.9A	54 10.873	-0.0023	09	-1 42 57.06	-0.026	11	0.21	10.902	17	37.7	56.74	17	37.7	A2	21	850	A -1 561
33		6.2T	54 13.932	0.0027	12	-9 53 41.18	0.017	12	0.67	13.792	21	98.2	42.10	19	95.7	F0	GC	4751	-10 793
34		8.7A	54 17.979	0.0001	09	-5 46 2.86	-0.002	09	0.22	17.977	16	33.8	2.83	16	33.8	K0	17	979	A -6 789
35		8.6A	54 18.996	0.0019	09	-1 1 46.79	-0.020	11	0.21	18.975	17	37.7	46.54	17	37.7	F2	21	851	A -1 562
36		8.9A	54 20.467	-0.0005	11	-6 56 34.98	0.029	11	0.23	20.475	16	33.8	35.45	16	33.8	A5	16	955	A -7 708
37		8.8A	54 41.324	-0.0005	13	-8 36 23.11	0.004	13	0.27	41.332	16	33.8	23.18	16	33.8	A5	16	957	A -8 760
38		8.0A	54 42.766	0.0022	12	-7 18 13.84	0.008	12	0.25	42.731	16	33.8	13.97	16	33.8	K0	16	956	A -7 709
39		8.9A	54 45.030	0.0008	11	-5 15 54.89	0.005	11	0.23	45.018	16	33.8	54.97	16	33.8	K2	17	980	A -3 645
40		8.7B	54 56.801	-0.0125	11	-1 18 2.79	-0.158	11	0.50	57.347	17	06.3	-55.74	15	05.3	K2	GC	4769K	-1 565
41		8.3A	54 58.950	-0.0003	11	-4 21 43.72	0.010	11	0.23	58.956	16	33.8	43.88	16	33.8	F2	17	981	A -4 699
42		8.8A	55 3.841	-0.0002	11	-2 7 4.88	0.009	11	0.23	3.845	16	33.8	5.03	16	33.8	K0	17	982	A -2 764
43		8.7A	55 5.508	0.0049	12	-8 6 21.10	0.141	12	0.25	5.428	16	33.8	23.39	16	33.8	K0	16	959	A -8 762
44		9.0A	55 5.984	-0.0022	11	-5 42 36.37	-0.001	11	0.23	6.020	16	33.8	36.36	16	33.8	A5	17	983	A -5 785
45		8.8A	55 10.110	0.0020	11	-3 0 51.13	-0.011	11	0.23	10.078	16	33.8	50.94	16	33.8	F8	17	984	A -3 647
46		8.3A	55 11.611	0.0015	12	-7 8 44.62	-0.008	12	0.25	11.587	16	33.8	44.50	16	33.8	K2	16	960	A -7 710
47		8.2A	55 14.363	-0.0004	12	-9 50 34.66	-0.002	12	0.25	14.369	16	33.8	34.63	16	33.8	K0	16	962	A -10 796
48		8.9A	55 16.061	0.0012	11	-6 33 54.66	-0.114	11	0.23	16.041	16	33.8	52.82	16	33.8	F5	16	961	A -6 793
49		8.8A	55 20.415	-0.0002	13	-2 43 32.76	-0.027	13	0.27	20.419	16	33.8	32.32	16	33.8	K0	17	985	A -3 648
50		9.0B	55 29.073	0.0099	12	-7 16 6.04	-0.012	08	0.53	28.621	18	04.5	7.41	17	97.1	F5	GC	4777K	-7 712
51		9.6A	3 55 31.686	-0.0019	17	-9 59 38.25	-0.059	17	0.32	31.717	18	33.8	37.30	16	33.8		11	927	A -10 798
52		8.3A	55 37.931	0.0033	12	-5 53 50.09	0.045	12	0.25	37.877	16	33.8	50.82	16	33.8	K5	16	964	A -6 795
53		8.6A	55 44.281	-0.0015	12	-7 5 7.79	-0.009	12	0.25	44.304	16	33.8	7.65	16	33.8	F5	16	965	A -7 713
54		9.0A	55 44.898	-0.0007	12	-9 3 12.01	0.001	12	0.25	44.909	16	33.8	12.03	16	33.8	A2	16	966	A -9 782
55		9.0A	55 50.537	-0.0017	17	-3 49 16.45	0.004	17	0.31	50.565	16	33.8	16.51	16	33.8	K0 F	17	987	A -4 704
56		8.3A	55 58.125	-0.0007	12	-9 8 26.00	-0.006	12	0.25	58.136	16	33.8	25.90	16	33.8	G5	16	967	A -9 783
57		9.0A	56 6.602	0.0048	13	-9 26 29.69	-0.036	13	0.27	6.823	16	33.8	29.11	16	33.8	G0	16	968	A -9 785
58		7.1A	56 7.028	-0.0020	09	-2 47 36.34	-0.015	09	0.22	7.060	16	33.8	36.09	16	33.8	G5	17	988K	A -3 650
59		7.5A	56 10.267	-0.0036	09	-3 48 25.80	-0.006	09	0.22	10.325	16	33.8	25.70	16	33.8	G5	17	990	A -4 706
60		6.0T	56 24.351	-0.0040	05	-5 36 33.13	-0.178	05	0.26	24.533	10	04.2	24.42	10	01.0	K0	GC	4785	-5 789
61		9.0A	56 49.300	0.0028	12	-7 46 54.54	0.005	12	0.25	49.254	16	33.8	54.62	16	33.8	K	16	970	A -8 765
62		8.4A	56 52.193	0.0003	09	-0 32 53.45	-0.079	11	0.21	52.190	17	37.7	52.48	17	37.7	F8	21	859	A -0 626
63		8.5A	56 53.495	-0.0016	12	-1 53 15.52	-0.080	12	0.25	53.522	16	33.8	14.23	16	33.8	G5	17	992	A -2 770
64		9.0A	57 14.484	-0.0010	09	-0 9 39.30	-0.047	11	0.21	14.476	17	37.7	38.73	17	37.7	A5	21	861	A -0 627
65		9.0A	57 21.398	-0.0012	13	-8 17 51.93	0.002	13	0.27	21.418	16	33.8	51.97	16	33.8	K	16	971	A -8 767
66		8.2A	57 21.408	-0.0004	09	-4 39 46.40	0.001	09	0.22	21.415	16	33.8	46.41	16	33.8	A2	17	993	A -4 709
67		9.0A	57 29.205	-0.0005	09	-1 36 28.87	0.003	11	0.21	29.212	17	37.7	28.91	17	37.7	K0	21	863	A -1 570
68		9.2A	57 43.172	0.0008	12	-8 43 14.23	0.019	12	0.25	43.159	16	33.8	14.54	16	33.8	G5 R	16	972	A -8 768
69		9.0A	57 46.545	-0.0018	13	-9 28 14.55	-0.004	13	0.27	46.574	16	33.8	14.49	16	33.8	K2 R	16	973	A -9 791
70		8.4A	57 51.319	0.0006	11	-6 31 29.42	-0.005	11	0.23	51.309	16	33.8	29.34	16	33.8	M8	16	974	A -6 799
71		8.8A	58 30.624	-0.0015	11	-4 51 17.73	-0.008	11	0.23	30.649	16	33.8	17.59	16	33.8	G5	17	996	A -5 795
72		9.0A	58 30.851	-0.0000	11	-3 38 39.94	-0.037	11	0.23	30.852	16	33.8	39.33	16	33.8	F8	17	995	A -3 658
73		9.3A	58 33.991	0.0002	11	-9 9 0.21	0.000	11	0.23	33.987	16	33.8	0.21	16	33.8	F5 R	16	975	A -9 793
74		8.6A	58 41.833	-0.0010	12	-9 43 21.16	-0.051	12	0.25	41.849	16	33.8	20.34	16	33.8	G5	16	977	A -9 794
75		8.7A	58 44.750	-0.0007	12	-6 22 24.93	-0.017	12	0.25	44.760	16	33.8	24.66	16	33.8	K2 R	16	976	A -6 802
76		9.0A	58 45.718	-0.0018	12	-4 31 35.48	-0.010	12	0.25	45.748	16	33.8	35.31	16	33.8	G5	17	997	A -4 716
77		9.0A	58 57.616	0.0015	11	-2 46 57.88	-0.010	11	0.23	57.592	16	33.8	57.71	16	33.8	F8	17	998	A -3 659
78		5.2H	58 59.843	0.0013	02	-1 41 18.14	-0.014	02	0.06	59.816	04	29.0	17.77	05	23.3	B5	F4	1111	-1 572
79		9.0A	59 1.877	-0.0000	09	-1 7 57.95	-0.012	11	0.21	1.877	17	37.7	57.80	17	37.7	F0	21	867	A -1 571
80		8.9A	59 7.821	-0.0011	12	-7 45 55.21	-0.011	12	0.25	7.838	16	33.8	55.03	16	33.8	K0 R	16	978	A -8 769
81		9.0A	59 23.714	-0.0006	13	-4 15 53.61	-0.031	13	0.27	23.724	16	33.8	53.10	16	33.8	A2	17	1001	A -4 719
82		8.4A	59 39.262	0.0034	09	-0 3 28.55	0.000	11	0.21	39.221	17	37.7	28.56	17	37.7	A3	21	868	A -0 630
83		8.8A	59 43.590	-0.0009	11	-4 10 55.69	-0.030	11	0.23	43.605	16	33.8	55.20	16	33.8	F8	17	1003	A -4 721
84		7.9B	59 44.941	-0.0037	08	-1 46 13.50	-0.032	07	0.37	45.110	12	04.3	11.97	12	02.2	F5	GC	4842	-2 777
85		8.9A	59 45.142	0.0006	13	-8 25 43.93	-0.028	13	0.27	45.132	16	33.8	43.48	16	33.8	K0 R	16	980	A -8 770
86		8.3A	59 45.149	-0.0015	12	-4 39 20.20	-0.002	12	0.25	45.173	16	33.8	20.16	16	33.8	A3	17	1004	A -4 722
87		8.6A	59 45.365	0.0032	09	-0 4 15.64	0.007	11	0.21	45.346	17	37.7	15.73	17	37.7	B8	21	869	A -0 631
88		7.9A	59 46.595	-0.0024	12	-6 7 4.62	-0.020	12	0.25	46.634	16	33.8	4.30	16	33.8	K5	16	979	A -6 805
89		8.3A	59 47.102	-0.0037	13	-4 26 26.25	0.021	13	0.27	47.162	16	33.8	26.58	16	33.8	K2	17	1005	A -4 723
90		9.1A	59 47.773	-0.0003	12	-6 2 5.20	0.000	12	0.25	47.778	16	33.8	5.20	16	33.8	F2 R	16	981	A -6 806
91		9.0A	59 51.779	-0.0016	12	-8 8 55.36	-0.020	12	0.25	51.804	16	33.8	55.04	16	33.8	F2 R	16	982	A -8 771
92		8.9B	59 56.016	-0.0008	11	-7 8 41.15	-0.019	07	0.47	56.043	18	03.9	40.16	17	97.5	+++	GC	4850K	B* -7 724
93		5.4T	4 0 2.830	0.0097	09	-0 24 11.55	-0.248	04	0.24	2.359	09	01.5	-59.39	09	00.9	F5	GC	4851	B* -0 632
94		6.8T	0 5.492	-0.0011	11	-0 56 18.99	-0.003	12	0.56	5.346	17	01.1	18.85	18	03.9	A0	GC	4852	-1 574
95		8.6A	0 14.637	0.0004	13	-5 19 0.42	-0.027	13	0.27	14.631	16	33.8	-59.99	16	33.8	F8	17	1006	A -5 803
96		8.6A	0 25.098	0.0028	09	-0 12 2.95	-0.005	11	0.21	25.064	17	37.7	2.89	17	37.7	F5	21	873	A -0 633
97		8.5A	0 37.340	-0.0021	12	-8 24 5.33	-0.027	12	0.25	37.373	16	33.8	4.89	16	33.8	F2	16	984	A -8 774
98		8.8A	0 38.178	-0.0007	12	-8 53 25.10	0.004	12	0.25	38.189	16	33.8	-25.17	16	33.8	F0	16	985	A -9 801
99		8.2A	0 47.067	0.0015	12	-2 29 58.58	0.000	12	0.25	47.044	16	33.8	58.58	16	33.8	G5	17	1007	A -2 782
00		9.0A	0 50.288	0.0023	09	-4 49 43.70	0.004	09	0.22	50.250	16	33.8	43.76	16	33.8	K5	17	1009	A -5 805

130900

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	EPOCH 1950 μ s	σ_μ ″.001	EPOCH 1950 δ_{1950} ° ′ ″	EPOCH 1950 μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	DM NUMBER
1		9.0A	4 0 52.082	0.0003	13	-2 37 54.26	0.003	13	0.27	52.078	16	33.8	54.30	16	33.8	F3	17	1008K	A -2 783
2		8.2A	0 53.986	0.0008	12	-7 3 4.55	0.003	12	0.25	53.978	16	33.8	4.60	16	33.8	MA	16	996	A -7 726
3		9.2A	0 54.426	-0.0032	13	-1 58 7.64	-0.033	13	0.27	54.478	16	33.8	7.11	16	33.8	K0	17	1010	A -2 784
4		9.0A	1 10.647	-0.0028	12	-6 3 49.46	-0.027	12	0.25	10.683	16	33.8	49.03	16	33.8	K2 R	16	987	A -6 808
5		9.0A	1 16.985	0.0007	13	-2 9 18.31	-0.020	13	0.27	16.984	16	33.8	17.99	16	33.8	F5	17	1011	A -2 786
6		9.0A	1 22.075	0.0001	09	-0 51 21.58	-0.016	11	0.21	22.074	17	37.7	21.36	17	37.7	F0	21	876	A -1 576
7		9.0A	1 33.082	0.0021	12	-6 11 17.20	-0.080	12	0.25	33.084	16	33.8	18.88	16	33.8	A0	16	988	A -6 828
8		9.0A	1 33.218	0.0011	12	-7 28 54.78	0.053	12	0.25	33.184	16	33.8	53.85	16	33.8	F5	16	989	A -7 730
9		7.9T	1 33.898	0.0014	14	-4 44 12.53	-0.001	12	0.73	33.210	18	97.9	12.46	19	97.5	K5	6C	4893	A -3 810
10		9.0A	1 36.953	-0.0031	13	-2 45 3.48	0.012	13	0.27	36.005	16	33.8	3.88	16	33.8	K0	17	1013	A -3 673
11		8.8A	1 37.078	0.0025	09	-1 18 41.34	-0.014	11	0.21	37.052	17	37.7	41.17	17	37.7	F3	21	878	A -1 577
12		9.1A	1 42.765	0.0051	12	-8 34 54.81	0.083	12	0.25	42.680	16	33.8	54.32	16	33.8	K0 R	16	990	A -8 778
13		9.0A	1 47.960	-0.0006	09	-1 38 3.23	-0.081	11	0.21	47.986	17	37.7	2.11	17	37.7	G0	21	879	A -1 578
14		8.8A	1 50.488	0.0023	13	-4 20 45.60	0.007	13	0.27	50.450	16	33.8	45.70	16	33.8	A5	17	1015	A -4 726
15		9.0A	1 51.196	0.0045	13	-4 47 38.72	0.217	13	0.27	51.125	16	33.8	40.25	16	33.8	K0	17	1016	A -5 812
16		8.1A	1 52.156	-0.0005	12	-7 38 51.19	-0.090	12	0.25	52.164	16	33.8	50.71	16	33.8	K5	16	991	A -7 731
17		8.5A	1 54.950	0.0053	12	-8 25 9.96	0.019	08	0.25	54.884	16	33.8	10.27	16	33.8	K5	16	992	A -8 778
18		8.0A	2 1.882	-0.0003	13	-3 28 30.60	-0.012	13	0.27	1.887	16	33.8	30.40	16	33.8	F0	17	1017	A -3 676
19		8.1A	2 2.436	-0.0001	12	-6 18 31.26	-0.011	12	0.25	2.438	16	33.8	31.09	16	33.8	A0	16	993	A -6 811
20		9.0A	2 10.141	0.0006	08	-0 6 53.90	-0.022	11	0.21	10.133	17	37.7	53.63	17	37.7	F3 R	21	882	A -0 637
21		8.7A	2 10.910	0.0008	12	-6 54 0.18	-0.113	12	0.25	10.788	16	33.8	58.35	16	33.8	K0	16	994	A -7 734
22		8.7A	2 11.615	-0.0011	12	-6 16 21.51	-0.005	12	0.25	11.631	16	33.8	21.11	16	33.8	K0	16	995	A -6 812
23		9.0A	2 18.709	-0.0008	13	-3 45 28.90	0.019	13	0.27	18.722	16	33.8	27.20	16	33.8	A2	17	1018	A -4 727
24		9.0A	2 19.386	-0.0007	11	-3 18 21.29	0.014	11	0.23	19.386	16	33.8	21.51	16	33.8	K2	17	1019	A -3 677
25		7.1T	2 22.110	-0.0035	12	-2 33 44.93	-0.021	15	0.66	22.281	15	01.2	43.95	17	03.6	A0	6C	4912	-2 798
26		8.9A	2 24.450	0.0008	09	-0 19 27.26	0.010	11	0.21	24.441	17	37.7	27.38	17	37.7	A3	21	883	A -0 639
27		9.4A	2 26.804	0.0008	12	-8 32 54.95	-0.008	12	0.25	26.791	16	33.8	54.82	16	33.8	F8 R	16	996	A -8 806
28		9.3A	2 35.041	0.0025	11	-6 8 25.41	-0.134	11	0.23	35.009	16	33.8	25.25	16	33.8	K0 R	16	997	A -6 813
29		8.0A	2 36.167	-0.0009	12	-4 55 10.88	-0.120	12	0.25	36.182	16	33.8	8.93	16	33.8	F5	17	1023	A -5 816
30		8.6A	2 38.227	-0.0007	13	-2 1 56.40	0.000	13	0.27	38.239	16	33.8	56.40	16	33.8	K0	17	1022	A -2 800
31		9.0A	2 38.388	0.0010	13	-1 54 57.30	0.010	13	0.27	38.380	16	33.8	57.47	16	33.8	F0	17	1021	A -2 799
32		7.5A	2 41.636	0.0003	09	-1 8 47.06	-0.028	11	0.21	41.631	17	37.7	46.71	17	37.7	G5	21	884	A -1 581
33		8.3A	2 42.547	-0.0013	13	-9 23 50.11	-0.021	13	0.27	42.567	16	33.8	49.77	16	33.8	K5	16	999	A -9 807
34		7.5A	2 42.859	-0.0001	09	-0 42 12.37	-0.070	11	0.21	42.900	17	37.7	11.51	17	37.7	F3	21	885	A -0 640
35		8.7A	2 43.149	0.0009	09	-4 14 37.12	0.041	09	0.22	43.134	16	33.8	37.77	16	33.8	F8	17	1024	A -4 729
36		8.6A	2 43.704	-0.0001	12	-7 34 25.60	0.004	12	0.25	43.706	16	33.8	25.67	16	33.8	K0	16	998	A -7 737
37		8.5A	2 47.763	-0.0029	13	-6 32 36.73	-0.010	12	0.27	47.810	16	33.8	36.57	16	33.8	F0	16	1000	A -6 814
38		8.5A	2 54.430	0.0019	09	-1 22 49.50	0.018	11	0.21	54.406	17	37.7	49.72	17	37.7	K0	21	886	A -1 582
39		8.2A	2 57.850	-0.0017	13	-6 28 57.68	-0.058	13	0.27	57.878	16	33.8	36.74	16	33.8	K5	16	1001	A -6 815
40		8.1A	3 4.697	0.0008	12	-7 43 55.34	0.025	12	0.25	4.683	16	33.8	55.75	16	33.8	K0	16	1002	A -7 738
41		8.8A	3 7.533	-0.0029	13	-7 9 17.42	0.016	13	0.27	7.579	16	33.8	17.68	16	33.8	K2 R	16	1003	A -7 739
42		9.2A	3 9.558	0.0003	13	-6 2 40.85	-0.084	13	0.27	9.552	16	33.8	40.47	16	33.8	K0 R	16	1004	A -6 816
43		8.8A	3 12.145	-0.0015	11	-2 54 11.56	-0.045	11	0.23	12.169	16	33.8	10.83	16	33.8	F5	17	1025	A -3 680
44		9.0A	3 14.320	-0.0031	11	-5 32 31.86	-0.013	13	0.25	14.370	16	33.8	32.07	16	33.8	K2 R	17	1026	A -5 821
45		9.0A	3 14.542	-0.0009	13	-7 5 28.45	-0.008	13	0.27	14.557	16	33.8	28.33	16	33.8	F5 R	16	1005	A -7 740
46		9.0A	3 20.862	-0.0004	09	-0 47 41.22	-0.085	11	0.21	20.882	17	37.7	40.42	17	37.7	F3	21	888	A -1 583
47		8.7A	3 25.917	-0.0009	09	-5 18 2.44	0.018	09	0.22	25.932	16	33.8	2.74	16	33.8	F2 R	17	1027	A -5 822
48		6.3T	3 31.885	0.0020	15	-8 59 23.89	0.008	11	0.65	31.801	21	03.0	26.19	18	99.5	A2	6C	4936	-9 811
49		9.0A	3 34.680	0.0027	09	-1 30 28.88	-0.004	11	0.21	34.628	17	37.7	28.83	17	37.7	F5	21	891K	-1 584
50		8.7A	3 35.363	-0.0006	09	-0 9 18.69	-0.002	11	0.21	35.371	17	37.7	18.67	17	37.7	G5	21	890	A -0 642
51		9.0A	4 3 43.865	-0.0001	12	-8 55 22.40	-0.005	12	0.25	43.857	16	33.8	22.32	16	33.8	K2 R	16	1007	A -9 812
52		9.0A	3 50.887	-0.0017	13	-8 50 27.60	-0.021	13	0.27	50.914	16	33.8	27.26	16	33.8	F0	16	1008	A -9 813
53		7.9A	3 52.252	0.0018	12	-7 57 45.41	0.010	11	0.24	52.223	16	33.8	45.58	16	33.8	K0	16	1009	A -8 785
54		8.5A	4 9.885	-0.0007	09	-2 2 52.14	-0.007	09	0.22	9.887	16	33.8	52.03	16	33.8	K0	17	1028	A -2 807
55		9.0A	4 9.982	0.0001	09	-4 30 0.81	-0.071	09	0.22	9.980	16	33.8	59.66	16	33.8	G0 F	17	1029K	A -4 735
56		9.3A	4 14.948	0.0056	12	-7 26 37.19	-0.054	12	0.25	14.857	16	33.8	36.32	16	33.8	G0 R	16	1010	A -7 744
57		8.4A	4 16.880	0.0019	12	-8 37 37.40	-0.020	12	0.25	16.829	16	33.8	37.08	16	33.8	K0	16	1011	A -8 787
58		8.8A	4 36.508	-0.0030	11	-4 30 17.02	-0.021	11	0.23	36.557	16	33.8	16.67	16	33.8	A3	17	1030	A -4 736
59		8.3B	4 50.891	0.0012	13	-2 30 1.00	0.007	15	0.64	50.838	17	06.0	1.30	18	06.4	F5	6C	4963	-2 814
60		8.9A	4 52.074	0.0063	12	-8 53 51.58	-0.052	12	0.25	51.972	16	33.8	50.58	16	33.8	G5	16	1012	A -9 815
61		7.0T	4 52.092	-0.0022	15	-9 53 24.73	0.007	11	0.63	52.189	19	05.8	25.06	19	03.5	K0	6C	4965	-10 841
62		8.0A	5 1.121	0.0005	09	-3 7 43.05	0.018	09	0.22	1.113	16	33.8	43.33	16	33.8	K0	17	1032	A -3 685
63		6.9T	5 1.870	0.0006	12	-6 8 24.63	-0.084	10	0.61	1.838	17	97.4	25.92	17	96.6	A2	6C	4968	-6 822
64		8.7A	5 1.984	0.0032	12	-7 5 15.29	-0.018	12	0.25	1.932	16	33.8	15.00	16	33.8	G5	16	1016K	A -7 746
65		9.0A	5 9.728	-0.0013	09	-1 45 13.98	-0.005	09	0.22	9.750	16	33.8	13.90	16	33.8	K0	17	1033	A -2 816
66		9.1A	5 20.045	-0.0018	11	-9 34 39.86	0.001	11	0.23	20.074	16	33.8	39.88	16	33.8	F8	16	1017	A -9 819
67		9.6A	5 22.180	-0.0016	11	-1 44 6.28	-0.010	13	0.25	22.206	16	33.8	6.12	16	33.8	G0 F	17	1034	A -2 818
68		8.8A	5 24.967	0.0001	12	-8 4 23.85	0.037	12	0.25	24.965	16	33.8	24.45	16	33.8	F3	16	1018	A -8 791
69		8.3A	5 28.532	-0.0007	11	-4 18 56.84	0.022	11	0.23	28.544	16	33.8	57.19	16	33.8	K2	17	1035	A -4 742
70		8.5A	5 29.805	-0.0004	09	-4 8 18.24	0.002	11	0.22	29.812	16	33.8	18.27	16	33.8	F5	17	1036	A -4 743
71		8.8A	5 44.668	0.0028	12	-7 56 58.53	-0.015	11	0.24	44.646	16	33.8	58.29	16	33.8	G5	16	1019	A -8 792
72		9.0A	5 58.988	-0.0021	11	-9 7 39.23	0.000	11	0.23	59.022	16	33.8	39.23	16	33.8	F8	16	1020	A -9 822
73		8.9A	6 3.030	-0.0006	12	-7 36 45.31	0.000	12	0.25	3.038	16	33.8	45.31	16	33.8	K2 R	16	1021	A -7 752
74		8.3A	6 3.256	-0.0017	09	-4 9 0.33	0.020	09	0.22	3.283	16	33.8	0.65	16	33.8	A2	17	1037	A -4 744
75		9.0A	6 4.475	0.0012	09	-3 41 18.09	0.005	09	0.22	4.456	16	33.8	18.13	16	33.8	K2	17	1038	A -3 688
76		9.1A	6 5.134	0.0028	13	-8 12 20.84	-0.021	13	0.27	5.089	16	33.8	20.50	16	33.8	G0 R	16	1022	A -8 795
77		9.3A	6 6.508	0.0016	17	-2 48 54.03	0.019	17	0.31	6.480	16	33.8	54.34	16	33.8	K2 F	17	1039	
78		8.5B	6 8.243	0.0005	12	-2 49 6.91	0.014	07	0.48	8.221	19	05.8	7.64	18	97.2	K0	6C	4982K	-3 890
79		8.2A	6 9.577	-0.0030	13	-4 54 28.55	-0.021	13	0.27	9.625	16	33.8	28.20	16	33.8	K0	17	1041	A -5 833
80		9.1A	6 10.421	-0.0003	12	-8 4 10.88	0.026	12	0.25	10.428	16	33.8	11.30	16	33.8	F8 R	16	1023	A -8 796
81		7.4A	6 21.907	-0.0002	12	-8 48 4.95	0.007	12	0.25	21.910	16	33.8	5.07	16	33.8	B9	16	1024	A -9 823
82		8.0A	6 25.379	0.0013	11	-4 39 33.07	0.019	11	0.23	25.359	16	33.8	33.37	16	33.8	K0	17	1042	A -4 745
83		8.6A	6 27.449	0.0033	12	-6 9 24.57	-0.084	12	0.25	27.395	16	33.8	24.19	16	33.8	K0	16	1025	A -6 829
84		8.7A	6 30.612	-0.0015	13	-8 13 54.52	-0.019	13	0.27	30.636	16	33.8	54.22	16	33.8	K0	16	1026	A -8 797
85		8.8A	6 36.284	0.0016	13	-4 50 16.61	-0.023	13	0.27	36.238	16	33.8	16.23	16	33.8	MSP F	17	1043	A -5 836
86		9.3A	6 38.834	-0.0016	12	-8 18 49.78	-0.044	12	0.25	38.860	16	33.8	49.07	16	33.8	G5	16	1027	A -8 831
87		9.0A	6 46.456	-0.0017	13	-5 5 28.42	-0.010	11	0.25	46.483	16	33.8	28.26	16	33.8	A0 F	17	1044	A -5 837
88		7.3T	6 55.007	-0.0023	15	-8 3 34.63	-0.039	12	0.75	55.125	21	98.2	32.51	21	95.4	A2	6C	5003K	B* -8 798
89		9.0A	6 55.578	0.0045	13	-7 28 23.56	0.084	13	0.27	55.506	16	33.8	24.92	16	33.8	G0 R	16	1028	A -7 754
90		8.7A	7 1.002	0.0000	12	-9 34 52.28	0.031	12	0.25	52.78	16	33.8	52.78	16	33.8	G0	16	1030	A -9 825
91		8.5A	7 4.168	0.0033	11	-1 48 50.74	-0.025	11	0.23	4.114	16	33.8	50.34	16	33.8	K0	17	1045	A -2 820
92		9.0A	7 8.925	0.0028	09	-0 0 51.47	-0.033	11	0.21	8.890	17	37.7	51.08	17	37.7	F	21	899	A -0 649
93		9.0A	7 14.529	-0.0019	09	-3 25 32.51	-0.031	09	0.22	14.561	16	33.8	32.00	16	33.8	K5	17	1046	A -3 695
94		7.1T	7 15.207	0.0014	16	-8 1 27.35	0.131	15	0.62	15.135	21	99.5	34.14	19	98.2	G0	6C	5012	-8 801
95		6.8T	7 19.119	0.0001	06	-3 42 13.77	-0.000	05	0.24	19.115	07	06.5	13.77	07	07.2	A0	6C	5013	-3 696
96		9.2A	7 23.458	-0.0015	13	-9 43 31.24	-0.033	13	0.27	23.483	16	33.8	30.71	16	33.8	A7	16	1032	A -9 826
97		8.7A	7 30.213	0.0013	13	-9 48 55.83	0.004	13	0.27	30.192	16	33.8	55.90	16	33.8	K2	16	1033	A -10 854
98		8.6A	7 43.697	0.0014	12	-8 11 15.95	-0.004	12	0.25	43.675	16	33.8	15.89	16	33.8	F8	16	1034	A -8 838
99		8.8A	7 47.008	0.0021	12	-5 18 5.29	0.008	12	0.25	46.974	16	33.8	5.39	16	33.8	A3	17	1048	A -5 699
00		8.9A	7 53.025	0.0003	12	-8 56 22.12	-0.015	12	0.25	53.020	16	33.8	21.88	16	33.8	F5	16	1035K	A -9 833

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NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	EPOCH 1950 μ s	EPOCH 1950 σ_μ ″.001	EPOCH 1950 δ_{1950} ° ′ ″	EPOCH 1950 μ' ″	EPOCH 1950 σ'_μ ″.001	EPOCH 1950 σ_{1950} ″	ORIGINAL EPOCH α_2 s	ORIGINAL EPOCH σ ″.01	ORIGINAL EPOCH ep.	ORIGINAL EPOCH δ_2 ″	ORIGINAL EPOCH σ' ″.01	ORIGINAL EPOCH ep.	SP.		SOURCE CAT.	SOURCE STAR NUMBER	DM NUMBER
1		5.6T	4 7 56.008	-0.0006	03	-7 3 11.61	-0.012	03	0.19	56.040	09	94.3	10.94	09	93.6	G5		GC	5027	B* -7 758
2		8.4A	7 57.293	-0.0016	11	-4 3 52.48	-0.065	11	0.23	57.319	16	33.8	51.42	16	33.8	F8		17	1049	A -4 751
3		7.3T	8 15.656	0.0040	13	-5 0 6.23	-0.128	14	0.68	15.460	17	01.2	0.22	17	02.9	G0		GC	5033K	B* -5 841
4		8.5A	8 22.763	0.0011	13	-4 26 3.50	-0.049	13	0.27	22.746	16	33.8	2.70	16	33.8	G5		17	1052	A -4 753
5		5.9T	8 23.099	0.0021	06	-8 56 55.54	0.010	05	0.24	23.014	09	09.4	55.95	09	08.5	K0		GC	5035	-9 837
6		9.2T	8 24.189	0.0012	16	-2 37 5.50	-0.037	17	0.73	24.137	18	07.1	3.92	18	07.5	A2		GC	5036	-2 826
7		8.9A	8 25.126	-0.0021	13	-7 19 50.37	0.004	13	0.27	25.159	16	33.8	50.44	16	33.8	K0		16	1038	A -7 761
8		7.8A	8 36.838	-0.0034	15	-5 23 54.89	-0.048	13	0.28	36.893	16	33.8	54.12	16	33.8	K0		17	1053	A -5 843
9		9.0A	8 40.664	0.0023	13	-3 30 4.06	0.016	13	0.27	40.627	16	33.8	4.31	16	33.8	G2	F	17	1054	A -3 702
10		8.5A	8 49.969	0.0013	12	-3 5 35.17	-0.010	12	0.25	49.949	16	33.8	35.01	16	33.8	K2		17	1055	A -3 703
11		8.5A	8 57.658	-0.0009	12	-3 23 2.75	0.001	12	0.25	57.673	16	33.8	2.77	16	33.8	K2		17	1056	A -3 704
12		6.7T	8 58.394	-0.0004	11	-0 33 3.29	-0.013	10	0.61	58.416	17	94.9	2.56	18	93.5	K0		GC	5049	-0 653
13		9.0A	9 0.903	-0.0017	12	-3 52 42.82	-0.048	12	0.25	0.931	16	33.8	42.04	16	33.8	G2	F	17	1057	A -4 757
14		9.1A	9 3.620	-0.0007	12	-6 5 51.59	-0.031	12	0.25	3.630	16	33.8	51.09	16	33.8	F0		16	1039	A -6 840
15		8.8A	9 6.362	0.0003	11	-7 5 46.15	-0.029	11	0.23	6.357	16	33.8	45.68	16	33.8	M8		16	1040	A -7 763
16		9.0A	9 8.399	-0.0049	18	-9 57 1.41	0.002	20	0.35	8.478	18	33.8	1.45	16	33.8	K5	J	11	994	A -10 856
17		8.8A	9 9.631	-0.0006	09	-0 1 41.12	-0.038	11	0.21	9.638	17	37.7	40.65	17	37.7	K0		21	903	A -0 654
18		9.0A	9 16.763	-0.0001	11	-3 47 37.98	-0.014	11	0.23	16.765	16	33.8	37.75	16	33.8	F0	F	17	1058	A -4 758
19		4.1H	9 25.339	0.0003	01	-6 57 59.74	0.083	01	0.04	25.329	02	13.3	* 2.83	02	12.7	F2		F4	154	-7 764
20		6.6T	9 31.501	0.0040	10	-8 57 54.91	0.012	11	0.52	31.309	18	02.0	55.49	17	01.7	G5		GC	5058	-9 843
21		9.1A	9 33.385	-0.0005	13	-6 45 40.98	0.015	13	0.27	33.393	16	33.8	41.23	16	33.8	K0	R	16	1042	A -7 765
22		8.9A	9 33.783	-0.0014	12	-7 47 0.18	0.003	12	0.25	33.805	16	33.8	0.23	16	33.8	A0		16	1044	A -8 807
23		8.7A	9 37.950	-0.0026	12	-9 24 1.51	0.017	12	0.25	37.992	16	33.8	1.79	16	33.8	G0		16	1045K	A -9 844
24		9.0A	9 46.515	-0.0048	13	-5 42 13.62	0.004	13	0.27	46.593	16	33.8	13.69	16	33.8	K0	R	17	1059	A -5 848
25		6.9T	9 51.330	-0.0011	15	-4 32 16.30	-0.005	16	0.76	51.384	17	01.6	16.05	18	03.1	K5		GC	5065	-4 763
26		8.7A	9 51.823	-0.0024	12	-4 4 18.02	-0.019	12	0.25	51.862	16	33.8	17.71	16	33.8	G0		17	1061	A -4 762
27		8.9A	9 56.179	-0.0003	12	-4 25 21.61	0.006	12	0.25	56.184	16	33.8	21.70	16	33.8	K5	F	17	1062	A -4 765
28		7.6Q	10 1.824	0.0025	12	-2 38 25.70	0.123	11	0.61	1.697	15	99.3	31.99	17	98.8	K0		GC	5069	-2 832
29		9.3A	10 4.209	-0.0019	12	-6 38 19.48	-0.029	12	0.25	4.240	16	33.8	19.02	16	33.8	F8	R	16	1047	A -6 842
30		9.0A	10 13.430	-0.0013	11	-4 15 36.11	0.001	11	0.23	13.452	16	33.8	36.12	16	33.8	A2		17	1064	A -4 767
31		9.2Q	10 13.820	0.0010	08	-6 57 42.19	-0.026	07	0.42	13.768	17	99.4	40.74	15	94.2	K2		GC	5073K	B* -7 768
32		8.9A	10 17.609	-0.0024	12	-4 8 9.83	0.006	12	0.25	17.648	16	33.8	9.92	16	33.8	F5	F	17	1065	A -4 768
33		7.1T	10 29.113	-0.0007	12	-6 30 49.09	-0.131	11	0.57	29.146	15	01.5	42.64	15	00.7	K0		GC	5078	-6 847
34		9.0A	10 30.112	-0.0015	13	-2 2 54.36	-0.018	13	0.27	30.137	16	33.8	54.07	16	33.8	K0		17	1066	A -2 834
35		9.0A	10 30.578	-0.0006	09	-0 11 59.56	-0.016	11	0.21	30.585	17	37.7	59.36	17	37.7	F5	R	21	906	A -0 656
36		7.8A	10 33.274	-0.0002	13	-4 26 19.10	0.009	13	0.27	33.278	16	33.8	19.24	16	33.8	G5		17	1067	A -4 770
37		7.4A	10 42.816	0.0013	09	-4 0 40.71	0.010	09	0.22	42.795	16	33.8	40.87	16	33.8	MA		17	1068	A -4 771
38		9.0A	10 46.422	-0.0016	17	-4 2 21.56	-0.011	17	0.31	46.448	16	33.8	21.38	16	33.8	M0	F	17	1069	A -4 773
39		8.5A	10 47.185	-0.0019	12	-4 23 40.53	0.089	12	0.25	47.217	16	33.8	41.96	16	33.8	G5		17	1070	A -4 774
40		8.8A	10 55.001	-0.0008	12	-9 35 48.44	-0.039	12	0.25	55.014	16	33.8	47.81	16	33.8	F5		16	1050	A -9 849
41		6.3T	11 5.668	0.0002	07	-1 16 32.18	0.001	08	0.41	5.658	14	99.3	32.23	15	01.0	B5		GC	5097	B* -1 600
42		9.0A	11 8.432	-0.0012	09	-0 19 3.50	-0.028	11	0.21	8.447	17	37.7	3.16	17	37.7	K0	R	21	909	A -0 658
43		9.0A	11 24.324	-0.0011	11	-9 28 42.50	-0.011	11	0.23	24.342	16	33.8	42.32	16	33.8	G0	R	16	1051	A -9 852
44		9.0A	11 36.940	-0.0010	09	-0 28 13.66	-0.006	11	0.21	36.953	17	37.7	13.59	17	37.7	K0	R	21	911	A -0 660
45		8.5A	11 45.825	-0.0013	09	-1 44 53.80	-0.009	11	0.22	45.847	16	33.8	53.66	16	33.8	K0		17	1071	A -1 603
46		8.7A	11 47.778	0.0016	12	-2 37 34.86	-0.186	11	0.24	47.753	16	33.8	31.85	16	33.8	G5		17	1072	A -2 841
47		8.9A	11 49.384	-0.0017	09	-0 28 53.74	-0.006	11	0.21	49.405	17	37.7	53.67	17	37.7	A0		21	913	A -0 662
48		8.4A	11 58.317	0.0001	12	-7 5 57.86	0.001	12	0.25	58.315	16	33.8	57.88	16	33.8	K0		16	1052	A -7 773
49		9.4A	12 0.430	0.0007	11	-8 58 40.45	-0.004	11	0.23	0.418	16	33.8	40.39	16	33.8	K2	R	16	1053	A -9 854
50		7.8A	12 5.518	-0.0000	13	-2 15 52.96	0.013	13	0.27	5.518	16	33.8	53.17	16	33.8	K5		17	1073	A -2 844
51		9.0A	4 12 22.728	0.0005	12	-7 18 43.09	0.008	12	0.25	22.720	16	33.8	43.22	16	33.8	A3		16	1054	A -7 776
52		8.4A	12 23.810	0.0039	13	-5 31 17.78	0.029	13	0.27	23.746	16	33.8	18.25	16	33.8	F8		17	1074	A -5 857
53		8.4A	12 26.139	0.0002	09	-1 7 18.46	-0.039	11	0.21	26.137	17	37.7	17.98	17	37.7	G5		21	915	A -1 604
54		9.0A	12 27.827	-0.0029	09	-0 39 39.32	-0.016	11	0.21	27.862	17	37.7	39.12	17	37.7	K0	R	21	916	A -0 663
55		8.8A	12 38.256	0.0009	09	-1 20 41.55	-0.023	11	0.21	38.245	17	37.7	41.27	17	37.7	K2		21	917	A -1 605
56		9.0A	12 38.940	-0.0016	12	-9 47 2.41	-0.021	12	0.25	38.966	16	33.8	2.07	16	33.8	K7		16	1055	A -10 874
57		9.0A	12 40.167	0.0061	13	-4 32 29.15	-0.097	13	0.27	40.068	16	33.8	27.57	16	33.8	K0	F	17	1075	A -4 782
58		8.9A	12 40.961	-0.0026	12	-9 46 33.61	-0.004	12	0.25	41.003	16	33.8	33.55	16	33.8	A2		16	1056	A -10 875
59		8.4A	12 43.068	-0.0006	13	-3 17 39.67	-0.057	13	0.27	43.078	16	33.8	38.75	16	33.8	F8		17	1076	A -3 725
60		9.0A	12 46.265	0.0051	13	-4 28 42.28	0.091	13	0.27	46.182	16	33.8	43.75	16	33.8	G5	F	17	1077	A -4 784
61		8.6A	12 50.389	-0.0006	12	-9 36 56.30	-0.076	12	0.25	50.398	16	33.8	55.07	16	33.8	K5		16	1058	A -9 856
62		8.9A	12 52.201	-0.0030	11	-7 21 29.23	-0.002	09	0.22	52.249	16	33.8	29.20	16	33.8	A0		16	1057	A -7 779
63		4.5T	12 59.161	-0.1501	02	-7 43 45.89	-3.420	02	0.10	* 5.679	04	99.9	-53.82	04	99.7	G5		GC	5138K	B* -7 780
64		9.2A	13 2.719	-0.0006	12	-8 19 58.40	-0.055	12	0.25	2.728	16	33.8	57.51	16	33.8	G0	R	16	1059	A -8 814
65		9.7Q	13 3.655	-0.1469	10	-7 44 8.92	-3.440	12	0.54	10.425	17	03.9	-26.16	17	02.7	A		GC	5140K	B* -7 781
66		7.9A	13 4.131	0.0000	09	-0 7 13.14	0.011	11	0.21	4.131	17	37.7	13.27	17	37.7	F0		21	918	A -0 666
67		9.0A	13 5.873	0.0016	12	-4 51 23.70	0.026	12	0.25	5.847	16	33.8	24.11	16	33.8	K0	F	17	1078	A -5 859
68		9.0A	13 7.134	-0.0010	12	-4 57 23.01	0.022	12	0.25	7.151	16	33.8	23.36	16	33.8	M4P	F	17	1079	A -5 860
69		8.8A	13 11.316	0.0005	09	-1 42 4.48	-0.030	09	0.22	11.309	16	33.8	4.00	16	33.8	K		17	1080	A -1 607
70		8.5A	13 14.568	-0.0012	11	-3 39 7.97	-0.008	11	0.23	14.588	16	33.8	7.83	16	33.8	A2		17	1081	A -3 727
71		7.6A	13 18.429	0.0023	12	-8 45 37.07	-0.003	12	0.25	18.391	16	33.8	37.02	16	33.8	K0		16	1062	A -8 815
72		9.0A	13 24.822	-0.0004	09	-0 34 36.80	-0.033	11	0.21	24.826	17	37.7	36.39	17	37.7	F5		21	921	A -0 667
73		9.0A	13 25.042	-0.0006	12	-4 34 30.74	-0.025	09	0.23	25.052	16	33.8	30.33	16	33.8	K2	F	17	1082	A -4 786
74		8.6A	13 41.673	-0.0005	11	-3 15 19.87	-0.012	11	0.23	41.682	16	33.8	19.68	16	33.8	F0		17	1083	A -3 730
75		9.0A	13 44.176	0.0002	13	-5 7 47.64	0.007	13	0.27	44.173	16	33.8	47.76	16	33.8	F2	R	17	1084	A -5 863
76		9.0A	13 47.640	0.0002	13	-5 28 42.16	0.010	13	0.27	47.637	16	33.8	42.33	16	33.8	F8	R	17	1085	A -5 864
77		8.8A	13 47.654	-0.0019	13	-8 16 7.01	-0.025	13	0.27	47.684	16	33.8	6.61	16	33.8	G5	R	16	1064	A -8 819
78		8.8A	13 49.283	-0.0003	11	-8 19 25.51	-0.009	11	0.23	49.288	16	33.8	25.37	16	33.8	K0		16	1065	A -8 820
79		9.0A	13 49.310	-0.0061	13	-5 42 21.50	-0.028	13	0.27	49.408	16	33.8	21.05	16	33.8	F8	R	17	1086	A -5 865
80		8.3A	13 57.343	-0.0043	09	-0 41 36.59	-0.190	11	0.21	57.396	17	37.7	34.25	17	37.7	G0		21	925	A -0 668
81		9.0A	14 0.939	-0.0011	09	-4 31 50.73	0.006	09	0.22	0.958	16	33.8	50.82	16	33.8	G2	F	17	1087	A -4 789
82		8.2A	14 4.041	-0.0008	12	-2 29 58.28	-0.023	12	0.25	4.054	16	33.8	57.91	16	33.8	A0		17	1088	A -2 848
83		8.4A	14 6.770	-0.0012	12	-6 51 1.45	-0.020	12	0.25	6.751	16	33.8	1.13	16	33.8	G5		16	1066	A -7 785
84		9.4A	14 10.036	-0.0019	13	-2 24 45.55	0.002	13	0.27	10.067	16	33.8	45.58	16	33.8	G3	F	17	1089	A -2 850
85		8.6A	14 12.670	-0.0016	09	-1 15 58.87	-0.022	11	0.21	12.690	17	37.7	58.60	17	37.7	K0		21	926	A -1 609
86		8.9A	14 14.011	-0.0013	09	-0 51 12.47	-0.022	11	0.21	14.027	17	37.7	12.20	17	37.7	A2		21	927	A -1 608
87		8.9A	14 15.510	-0.0006	15	-3 14 42.41	-0.005	15	0.29	15.520	16	33.8	42.33	16	33.8	F5		17	1090	A -3 732
88		8.6A	14 16.637	-0.0008	12	-9 34 35.93	-0.017	12	0.25	16.650	16	33.8	35.66	16	33.8	K0		16	1067	A -9 859
89		9.2A	14 20.036	0.0014	09	-2 24 0.88	-0.002	09	0.22	20.014	16	33.8	0.85	16	33.8	F3	F	17	1091	A -2 852
90		8.9A	14 46.505	0.0011	09	-2 23 44.70	-0.019	09	0.22	46.487	16	33.8	44.39	16	33.8	A2		17	1092	A -2 853
91		9.2A	14 47.682	-0.0033	11	-7 30 58.21	-0.013	11	0.23	47.736	16	33.8	58.00	16	33.8	K0	R	16	1068	A -7 787
92		6.1T	14 52.388	-0.0017	06	-6 35 37.99	0.003	05	0.28	52.466	10	03.2	38.14	10	00.6	K0		GC	5183	-6 862
93		9.0A	14 53.705	-0.0007	13	-1 39 43.06	0.003	13	0.27	53.717	16	33.8	43.11	16	33.8	G0		17	1093	A -1 611
94		8.9A	15 3.608	-0.0006	09	-1 1 4.93	-0.034	11	0.21	3.616	17	37.7	4.51	17	37.7	F5		21	930	A -1 612
95		8.8A	15 9.128	-0.0003	11	-1 58 20.06	-0.037	11	0.23	9.131	16	33.8	19.46	16	33.8	F5		17	1094	A -2 855
96		9.0A	15 13.245	-0.0011	14	-0 17 29.03	-0.025	14	0.24	13.259	17	37.7	28.72	17	37.7	F8	R	21	931	A* -0 675
97		8.3A	15 16.781	-0.0039	13	-5 16 7.57	0.041	13	0.27	16.844	16	33.8	8.24	16	33.8	G0		17	1095	A -5 871
98		9.0A	15 32.872	-0.0016	09	-4 38 26.66	-0.025	09	0.22	32.898	16	33.8	26.27	16	33.8	G0	F	17	1096	A -4 793
99		9.0A	15 34.819	0.0012	09	-0 15 12.50	0.010	11	0.21	34.804	17	37.7	12.62	17	37.7	F8	R	21	932	A -0 677
00		8.9A	15 42.126	0.0005	12	-5 2 8.53	-0.018	12	0.25	42.118	16	33.8	8.24	16	33.8	G8	F	17	1097	A -5 874

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131100

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ s	σ_μ .001"	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ .001"	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ .01"	ep.	δ_2 ″	σ' .01"	ep.	ISP.		SOURCE CAT.	STAR NUMBER	DM NUMBER
1		8.7A	4 15 43.054	0.0013	09	-0 23 17.75	-0.050	11	0.21	43.038	17	37.7	17.14	17	37.7	K2	R	21	934	A -0 680
2		8.5A	15 47.400	-0.0020	08	-2 31 22.71	-0.015	09	0.22	47.433	16	33.8	22.47	16	33.8	A0		17	1098	A -2 858
3		8.8A	15 47.759	0.0010	09	-0 25 23.44	0.052	11	0.21	47.748	17	37.7	24.08	17	37.7	G5	R	21	935	A -0 681
4		8.8A	15 56.856	-0.0017	12	-4 38 43.93	0.001	12	0.25	56.844	16	33.8	43.94	16	33.8	A2		17	1099	A -4 795
5		9.0A	16 6.851	-0.0028	11	-5 12 27.23	-0.023	11	0.23	6.897	16	33.8	26.86	16	33.8	F5		17	1100	A -5 876
6		8.9A	16 14.348	-0.0003	09	-2 49 1.51	0.003	09	0.22	14.353	16	33.8	1.56	16	33.8	A2		17	1101K	A -3 740
7		7.8A	16 22.355	-0.0021	09	-1 2 40.38	-0.038	11	0.21	22.382	17	37.7	39.91	17	37.7	G5		21	937	A -1 615
8		8.3B	16 36.903	-0.0015	07	-7 32 37.04	0.037	07	0.42	36.900	17	98.2	39.08	15	95.1	F0		GC	5215K	B* -7 792
9		8.8A	16 47.133	-0.0011	12	-6 38 32.66	-0.023	12	0.25	47.151	16	33.8	32.29	16	33.8	K0		16	1071	A -6 870
10		9.0A	16 48.604	-0.0028	09	-1 51 19.84	-0.041	09	0.22	48.646	16	33.8	19.18	16	33.8	F5		17	1102	A -2 863
11		8.7A	16 48.748	-0.0013	11	-3 24 59.91	-0.010	11	0.23	48.769	16	33.8	59.74	16	33.8	A0	F	17	1103	A -3 744
12		9.3A	16 55.661	-0.0016	12	-9 52 23.62	-0.026	12	0.25	55.687	16	33.8	23.20	16	33.8	A2		16	1072	A -10 881
13		8.8A	16 58.328	-0.0020	12	-3 14 20.45	-0.030	12	0.25	58.361	16	33.8	19.96	16	33.8	F0		17	1104	A -3 745
14		8.9A	17 1.850	0.0002	09	-1 23 41.26	-0.011	11	0.21	1.847	17	37.7	41.12	17	37.7	K0		21	939	A -1 616
15		6.9T	17 5.928	-0.0006	14	-8 14 19.54	0.013	13	0.68	5.955	19	02.9	20.16	18	01.4	A0		GC	5231	-8 829
16		9.0A	17 6.723	-0.0017	12	-8 39 55.15	-0.007	09	0.23	6.750	16	33.8	55.04	16	33.8	K0	R	16	1074	A -8 830
17		8.7A	17 14.726	-0.0019	11	-2 34 50.85	-0.047	11	0.23	14.758	16	33.8	50.09	16	33.8	F2		17	1105	A -2 864
18		9.2A	17 27.372	-0.0009	12	-6 16 5.63	-0.006	12	0.25	27.387	16	33.8	5.73	16	33.8	M0	R	16	1075	A -6 872
19		7.3A	17 28.250	-0.0056	09	-4 33 26.41	-0.026	11	0.22	28.341	16	33.8	25.98	16	33.8	G5		17	1106	A -4 799
20		9.1A	17 35.173	-0.0009	09	-1 47 30.27	-0.006	09	0.22	35.187	16	33.8	30.16	16	33.8	F0		17	1107	A -2 866
21		8.5A	17 42.446	-0.0003	13	-4 36 43.59	-0.012	13	0.27	42.452	16	33.8	43.39	16	33.8	G0		17	1109	A -4 800
22		7.3T	17 44.305	0.0012	11	-2 44 50.78	-0.012	12	0.57	44.245	14	00.1	50.19	14	01.7	A8		GC	5251	-2 867
23		7.5A	17 44.873	-0.0029	11	-3 51 56.74	-0.293	11	0.23	44.920	16	33.8	51.99	16	33.8	G0		17	1110	A -4 801
24		9.2A	17 48.958	0.0011	12	-6 17 9.60	-0.042	12	0.25	48.940	16	33.8	8.92	16	33.8	G0	R	16	1076	A -6 873
25		9.1A	17 55.967	-0.0003	12	-2 5 53.91	0.002	12	0.25	55.973	16	33.8	53.94	16	33.8	G5	F	17	1111	A -2 869
26		6.7T	17 56.650	-0.0019	10	-1 26 3.16	-0.007	11	0.60	56.755	17	94.8	2.78	18	96.4	A3		GC	5257	-1 619
27		9.1A	18 2.754	0.0005	09	-1 50 49.08	0.001	09	0.22	2.746	16	33.8	49.10	16	33.8	F5	R	17	1112	A -2 871
28		9.0A	18 9.222	0.0007	13	-1 51 26.49	-0.026	13	0.27	9.212	16	33.8	26.07	16	33.8	F8	R	17	1113	A -2 873
29		6.3T	18 11.313	0.0065	10	-6 21 48.22	-0.042	09	0.55	10.954	12	94.9	45.84	12	93.2	G5		GC	5264	-6 875
30		8.6A	18 15.165	-0.0006	12	-9 16 2.73	-0.003	12	0.25	15.174	16	33.8	2.68	16	33.8	K0		16	1078	A -9 873
31		7.8B	18 15.813	0.0015	09	-0 2 32.37	0.023	07	0.44	15.736	15	00.2	33.58	15	97.9	F5		GC	5266	-0 685
32		5.7T	18 17.209	-0.0002	06	-7 42 38.55	-0.006	05	0.22	17.216	07	10.4	38.31	07	10.2	B8		GC	5267	-7 798
33		9.0A	18 23.707	0.0012	12	-7 40 20.23	-0.003	12	0.25	23.687	16	33.8	20.19	16	33.8	K0	R	16	1080	A -7 799
34		8.4A	18 25.496	-0.0004	12	-4 40 12.36	-0.010	12	0.25	25.503	16	33.8	12.19	16	33.8	K2	F	17	1114	A -4 805
35		9.2A	18 26.317	0.0028	09	-7 9 5.78	-0.014	09	0.22	26.272	16	33.8	5.56	16	33.8	G0		16	1081	A -7 800
36		9.0A	18 28.991	0.0003	09	-2 4 30.99	-0.005	09	0.22	28.987	16	33.8	30.91	16	33.8	A5		17	1115	A -2 874
37		7.3A	18 31.810	0.0003	09	-1 50 12.60	0.013	09	0.22	31.805	16	33.8	12.80	16	33.8	G5		17	1116	A -4 806
38		8.5A	18 35.757	-0.0000	13	-5 40 33.23	-0.001	13	0.27	35.757	16	33.8	33.22	16	33.8	K0		17	1117	A -5 883
39		8.4A	18 39.804	-0.0027	12	-8 58 11.64	-0.004	12	0.25	39.847	16	33.8	11.58	16	33.8	F2		16	1083	A -9 874
40		6.1T	18 53.561	-0.0013	08	-0 12 49.78	-0.121	07	0.42	53.634	12	93.6	42.79	12	92.1	K2		GC	5280K	-0 687
41		7.9A	19 3.200	-0.0029	13	-6 11 24.30	-0.053	13	0.27	3.247	16	33.8	23.45	16	33.8	K0		16	1084	A -6 878
42		8.1A	19 10.184	-0.0009	12	-8 13 32.89	-0.010	09	0.23	10.199	16	33.8	32.73	16	33.8	A0		16	1086	A -8 839
43		6.6T	19 10.480	-0.0006	12	-6 24 5.40	-0.023	11	0.61	10.511	15	97.9	4.18	14	96.4	A0		GC	5285	-6 879
44		9.0A	19 12.984	-0.0008	13	-6 8 9.35	-0.037	13	0.27	12.998	16	33.8	8.75	16	33.8	A5	R	16	1087	A -6 880
45		8.8A	19 18.288	0.0000	13	-6 2 40.39	-0.006	13	0.27	18.287	16	33.8	40.30	16	33.8	A3		16	1088	A -6 881
46		8.8A	19 21.941	-0.0013	13	-6 37 23.85	-0.022	13	0.27	21.962	16	33.8	23.50	16	33.8	G5		16	1089	A -6 883
47		9.0A	19 22.772	0.0014	09	-0 42 20.32	-0.017	11	0.21	22.754	17	37.7	20.11	17	37.7	A5	R	21	949	A -0 688
48		9.0A	19 24.142	0.0000	09	-0 2 27.89	-0.011	11	0.21	24.142	17	37.7	27.76	17	37.7	F0	R	21	950	A -0 689
49		8.9A	19 38.240	-0.0007	13	-5 58 30.20	0.008	13	0.27	38.250	16	33.8	30.33	16	33.8	K0	R	16	1090	A -6 885
50		7.5T	19 41.428	-0.0006	08	-4 47 38.11	-0.012	06	0.41	41.460	14	98.2	37.38	14	91.3	A5		GC	5295K	B* -5 889
51		8.7A	4 19 52.838	0.0005	12	-9 12 55.88	-0.008	12	0.25	52.830	16	33.8	55.75	16	33.8	K2	R	16	1091	A -9 882
52		8.2A	19 54.918	0.0007	09	-0 40 5.14	-0.026	11	0.21	54.909	17	37.7	4.82	17	37.7	K0		21	951	A -0 690
53		9.1A	19 55.735	-0.0009	12	-8 40 49.74	0.014	12	0.25	55.750	16	33.8	49.97	16	33.8	F8		16	1092	A -8 842
54		9.1A	20 4.641	-0.0013	09	-0 32 8.04	-0.004	11	0.21	4.657	17	37.7	7.99	17	37.7	F0	R	21	952	A -0 693
55		9.1A	20 5.927	-0.0011	11	-7 40 1.23	-0.007	11	0.23	5.944	16	33.8	1.12	16	33.8	A5		16	1093	A -7 803
56		7.8A	20 6.992	-0.0025	13	-5 1 17.22	-0.026	13	0.27	7.032	16	33.8	16.80	16	33.8	F0		17	1119	A -5 891
57		8.3A	20 11.232	-0.0011	11	-2 21 36.48	-0.022	11	0.23	11.250	16	33.8	36.13	16	33.8	A2		17	1120	A -2 883
58		8.5A	20 13.684	0.0027	09	-2 2 27.13	0.019	09	0.22	13.641	16	33.8	27.44	16	33.8	G5		17	1121	A -2 884
59		8.6A	20 20.034	-0.0012	12	-8 31 56.72	0.063	11	0.24	20.053	16	33.8	57.74	16	33.8	G5		16	1094	A -8 844
60		8.6A	20 30.850	-0.0006	09	-1 28 41.50	-0.012	11	0.21	30.858	17	37.7	41.35	17	37.7	A0		21	953	A -1 627
61		9.0A	20 32.275	-0.0008	09	-3 59 30.60	0.013	09	0.22	32.288	16	33.8	30.80	16	33.8	M0	R	17	1122	A -4 813
62		9.0A	20 36.052	-0.0014	09	-0 3 44.96	-0.019	11	0.21	36.070	17	37.7	44.73	17	37.7	A		21	954	A -0 694
63		9.0A	20 36.289	-0.0007	09	-1 23 43.38	0.000	11	0.21	36.298	17	37.7	43.38	17	37.7	G		21	955K	A -1 629
64		9.0A	20 37.160	-0.0028	12	-3 52 41.38	0.012	12	0.25	37.226	16	33.8	41.57	16	33.8	A5	F	17	1123	A -4 814
65		9.1A	20 41.562	-0.0009	13	-8 13 31.45	0.008	13	0.27	41.577	16	33.8	31.58	16	33.8	A3		16	1095	A -8 845
66		7.7T	20 46.520	0.0017	10	-5 7 14.36	0.000	07	0.45	46.436	15	00.9	14.38	15	97.0	K2		GC	5321K	B* -5 895
67		8.4A	20 46.877	0.0041	09	-1 5 1.73	-0.056	11	0.21	46.826	17	37.7	1.04	17	37.7	G0		21	957	A -1 630
68		8.9A	20 52.101	-0.0004	09	-0 13 43.18	0.052	11	0.21	52.107	17	37.7	43.83	17	37.7	G0	R	21	958K	A -0 695
69		9.0A	20 53.028	0.0004	09	-1 20 41.72	-0.007	11	0.21	53.023	17	37.7	41.63	17	37.7	K0	R	21	959	A -1 631
70		7.2A	20 54.267	-0.0008	13	-7 49 12.09	-0.009	13	0.27	54.280	16	33.8	11.95	16	33.8	K0		16	1096	A -8 846
71		8.6A	20 55.350	0.0057	13	-3 36 51.03	0.011	13	0.27	55.257	16	33.8	51.20	16	33.8	G2	F	17	1125	A -3 759
72		8.9A	20 57.966	-0.0013	13	-1 42 1.39	-0.026	13	0.27	57.987	16	33.8	0.97	16	33.8	F5		17	1126	A -1 632
73		8.8A	20 59.380	0.0011	12	-2 36 4.10	0.007	12	0.25	59.363	16	33.8	4.21	16	33.8	F5		17	1127	A -2 887
74		9.4A	21 1.678	0.0007	12	-1 38 8.19	0.002	12	0.25	1.667	16	33.8	8.22	16	33.8	F5	F	17	1128	A -1 633
75		8.0A	21 8.455	0.0022	13	-4 14 8.86	0.013	13	0.27	8.420	16	33.8	9.06	16	33.8	A5		17	1129	A -4 817
76		5.2M	21 11.310	-0.0036	02	-3 51 34.77	-0.054	02	0.06	11.417	03	20.7	33.04	04	18.0	A2		F4	1120	-4 816
77		9.0A	21 18.008	-0.0004	11	-3 3 37.40	-0.014	11	0.23	18.015	16	33.8	37.17	16	33.8	A2	F	17	1131	A -3 762
78		8.7A	21 27.470	0.0037	12	-9 39 6.24	-0.033	12	0.25	27.410	16	33.8	5.71	16	33.8	G0		16	1097	A -9 889
79		9.0A	21 27.490	0.0002	09	-0 51 23.33	-0.010	11	0.21	27.488	17	37.7	23.21	17	37.7	G0		21	961	A -1 635
80		8.9A	21 33.101	0.0004	12	-4 7 53.76	0.010	12	0.25	33.095	16	33.8	53.92	16	33.8	K0	F	17	1132	A -4 819
81		9.0A	21 43.730	-0.0016	13	-4 19 37.10	-0.020	13	0.27	43.756	16	33.8	36.77	16	33.8	F8	F	17	1133	A -4 821
82		8.8A	21 46.408	0.0006	12	-7 5 16.76	0.003	12	0.25	46.398	16	33.8	16.81	16	33.8	K2		16	1098	A -7 807
83		9.0A	21 50.797	-0.0004	12	-2 38 48.81	0.010	12	0.25	50.804	16	33.8	48.97	16	33.8	K5	F	17	1134	A -2 891
84		8.8A	21 54.235	0.0009	13	-5 37 53.04	-0.047	13	0.27	54.220	16	33.8	52.28	16	33.8	G0		17	1135	A -5 901
85		9.1A	21 57.280	0.0021	12	-5 35 31.30	0.010	12	0.25	57.246	16	33.8	31.47	16	33.8			17	1136	A -5 902
86		8.7A	21 59.666	-0.0001	13	-6 41 7.47	-0.002	13	0.27	59.668	16	33.8	7.44	16	33.8	K0		16	1101	A -6 897
87		8.5Q	22 7.904	0.0007	12	-4 59 11.07	0.014	08	0.53	7.872	18	03.3	11.81	17	95.6	A0		GC	5347K	B* -5 903
88		9.0A	22 9.122	0.0024	09	-0 26 1.66	0.003	11	0.21	9.093	17	37.7	1.70	17	37.7	A2		21	963	A -0 697
89		9.1A	22 16.502	-0.0005	09	-1 4 37.21	-0.025	11	0.21	16.508	17	37.7	36.90	17	37.7	F0	R	21	964	A -1 638
90		8.2A	22 16.794	-0.0008	12	-5 48 13.20	-0.020	12	0.25	16.807	16	33.8	12.88	16	33.8	G5		17	1138	A -6 898
91		9.0A	22 20.632	0.0012	09	-0 16 14.37	-0.033	11	0.21	20.617	17	37.7	13.96	17	37.7	K2	R	21	965	A -0 698
92		8.4A	22 22.081	-0.0020	13	-9 20 14.27	0.001	13	0.27	22.113	16	33.8	14.29	16	33.8	A0		16	1105	A -9 894
93		8.9A	22 23.102	-0.0006	13	-8 9 0.94	-0.010	13	0.27	23.112	16	33.8	0.78	16	33.8	K5	R	16	1104	A -8 853
94		8.8A	22 25.158	-0.0006	12	-2 47 36.29	-0.000	12	0.25	25.168	16	33.8	36.28	16	33.8	G5		17	1139	A -3 770
95		8.5A	22 27.498	0.0001	12	-8 51 31.02	0.013	12	0.25	27.495	16	33.8	31.23	16	33.8	K2	R	16	1106	A -9 896
96		9.0A	22 41.751	-0.0017	12	-8 24 41.29	-0.059	12	0.25	41.778	16	33.8	40.34	16	33.8	G0	R	16	1107	A -8 855
97		7.5A	22 50.009	-0.0028	12	-5 45 55.95	0.022	12	0.25	50.054	16	33.8	56.31	16	33.8	G5		17	1140	A -5 906
98		8.0A	22 56.502	0.0014	13	-3 52 55.19	0.005	13	0.27	56.480	16	33.8	55.26	16	33.8	A0		17	1141	A -4 827
99		8.8A	22 56.542	-0.0017	13	-5 6 17.61	-0.008	13	0.27	56.569	16	33.8	17.49	16	33.8	G2	F	17	1142	A -5 907
00		7.0T	23 7.491	-0.0006	09	-1 31 23.62	-0.002	09	0.51	7.525	14	93.8	23.50	14	93.9	G5		GC	5362K	-1 641

- 0° 4H

131200 — 0° 4H

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	EPOCH 1950 μ s	EPOCH 1950 σ_μ .001	EPOCH 1950 δ_{1950} ° ′ ″	EPOCH 1950 μ' ″	EPOCH 1950 $\sigma_{\mu'}$ .001	EPOCH 1950 σ_{1950} ″	ORIGINAL EPOCH α_2 s	ORIGINAL EPOCH σ .01	ORIGINAL EPOCH ep.	ORIGINAL EPOCH δ_2 ″	ORIGINAL EPOCH σ' .01	ORIGINAL EPOCH ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	DM NUMBER
1		7.8A	4 23 7.759	0.0047	11	-5 12 13.65	-0.035	11	0.23	7.682	16	33.8	13.09	16	33.8	K2	17	1144	A -5 908
2		8.8A	23 9.051	-0.0000	13	-5 21 17.61	-0.001	13	0.27	9.051	16	33.8	17.63	16	33.8	G0	17	1145	A -5 910
3		8.0A	23 13.040	0.0005	12	-4 50 24.55	-0.009	12	0.25	13.032	16	33.8	24.40	16	33.8	F5	17	1146	A -5 911
4		7.3A	23 15.510	0.0005	13	-5 15 56.52	-0.009	13	0.27	15.503	16	33.8	56.38	16	33.8	K0	17	1147	A -5 912
5		9.0A	23 18.109	0.0000	09	-0 9 57.20	0.000	11	0.21	18.109	17	37.7	57.20	17	37.7	K0	21	969	A -0 701
6		9.0A	23 21.326	0.0001	09	-1 30 40.92	0.024	11	0.21	21.326	17	37.7	41.21	17	37.7	K0	21	971	A -1 643
7		7.5A	23 54.035	-0.0015	09	-0 37 22.52	-0.029	11	0.21	54.053	17	37.7	22.16	17	37.7	K2	21	973	A -0 702
8		9.0A	23 59.627	-0.0007	12	-7 58 28.70	-0.139	11	0.24	59.638	16	33.8	28.45	16	33.8	G0	R 16	1109	A -8 861
9		8.0A	24 9.183	-0.0008	13	-3 52 44.12	-0.010	15	0.28	9.196	16	33.8	43.95	16	33.8	F0	17	1148	A -4 831
10		7.6A	24 14.207	0.0015	12	-6 30 57.72	0.010	12	0.25	14.183	16	33.8	57.89	16	33.8	G5	16	1110	A -6 906
11		8.5A	24 17.075	-0.0046	12	-1 50 12.12	0.029	12	0.25	17.150	16	33.8	12.59	16	33.8	G0	17	1149	A -2 903
12		8.0A	24 17.082	0.0005	12	-5 2 37.63	-0.013	12	0.25	17.075	16	33.8	37.43	16	33.8	K2	17	1150	A -5 917
13		7.5A	24 19.793	0.0004	12	-6 59 37.72	0.004	12	0.25	19.787	16	33.8	37.79	16	33.8	B9	16	1111	A -7 813
14		9.3A	24 22.485	-0.0006	12	-8 55 41.35	-0.059	12	0.25	22.494	16	33.8	40.40	16	33.8	G0	R 16	1112	A -9 898
15		8.8A	24 22.710	-0.0012	09	-3 0 33.02	-0.000	09	0.22	22.730	16	33.8	33.01	16	33.8	K5	17	1151	A -3 775
16		8.5A	24 24.171	-0.0005	20	-2 16 26.05	-0.015	20	0.35	24.180	16	33.8	25.81	16	33.8	K0	17	1152	A -2 904
17		8.8A	24 24.293	-0.0015	09	-2 56 35.50	-0.020	09	0.22	24.318	16	33.8	35.17	16	33.8	K2	F 17	1153	A -5 777
18		9.1A	24 26.095	-0.0000	12	-7 42 15.80	0.003	12	0.25	26.096	16	33.8	15.85	16	33.8	A0	16	1113	A -7 814
19		8.6A	24 29.510	0.0001	09	-3 14 5.85	-0.005	09	0.22	29.508	16	33.8	5.76	16	33.8	K0	17	1154	A -3 778
20		8.3A	24 36.048	-0.0017	13	-3 17 59.71	0.019	13	0.27	36.075	16	33.8	0.02	16	33.8	K0	17	1155	A -3 780
21		9.0A	24 37.453	0.0044	11	-5 1 15.07	-0.039	11	0.23	37.384	16	33.8	14.44	16	33.8	F2	F 17	1156	A -5 920
22		9.4A	24 44.365	-0.0026	13	-1 42 3.89	-0.007	13	0.27	44.411	16	33.8	3.78	16	33.8	B9	F 17	1157	A -1 645
23		8.7A	24 44.416	0.0010	12	-9 0 35.13	-0.005	12	0.25	44.400	16	33.8	35.05	16	33.8	A0	F 16	1114	A -9 899
24		9.0A	24 53.097	-0.0006	09	-0 17 8.89	0.021	11	0.22	53.105	17	37.4	9.15	17	37.4	K0	R 21	977	A -0 703
25		8.3A	24 53.309	0.0004	12	-5 57 16.99	0.013	13	0.26	53.302	16	33.8	17.20	16	33.8	A0	16	1115	A -6 911
26		8.6A	24 53.317	0.0011	11	-2 7 39.18	-0.015	11	0.23	53.300	16	33.8	38.94	16	33.8	MA	17	1158	A -2 905
27		9.0A	24 57.765	0.0003	13	-4 31 1.71	-0.042	13	0.27	57.761	16	33.8	1.02	16	33.8	K2	F 17	1159	A -4 839
28		9.0A	24 59.215	-0.0009	12	-8 30 13.75	0.012	11	0.24	59.229	16	33.8	13.95	16	33.8	A0	16	1116	A -8 863
29		8.5A	25 6.875	0.0001	13	-8 18 8.13	-0.012	13	0.27	6.873	16	33.8	7.94	16	33.8	K2	16	1117	A -8 864
30		9.0A	25 14.938	0.0027	09	-9 39 44.87	0.030	09	0.22	14.895	16	33.8	45.36	16	33.8	G0	16	1116K	A -9 901
31		9.2A	25 23.468	0.0009	12	-8 28 51.00	-0.009	11	0.24	23.453	16	33.8	50.86	16	33.8	K0	R 16	1119	A -8 866
32		9.0A	25 41.239	-0.0003	09	-3 47 49.12	0.020	09	0.22	41.245	16	33.8	49.44	16	33.8	K0	F 17	1160	A -4 843
33		9.0A	25 43.964	-0.0013	12	-5 27 48.81	-0.002	12	0.25	43.985	16	33.8	48.78	16	33.8	F0	17	1161	A -5 925
34		8.5A	25 45.180	0.0008	11	-4 32 56.12	0.003	11	0.23	45.167	16	33.8	56.16	16	33.8	K5	F 17	1162	A -4 844
35		8.7A	25 57.237	-0.0016	12	-7 1 58.41	-0.018	12	0.25	57.262	16	33.8	58.12	16	33.8	K0	16	1120	A -7 818
36		8.4A	26 5.607	0.0044	12	-7 39 49.41	0.128	12	0.25	5.536	16	33.8	51.49	16	33.8	F8	16	1121	A -7 820
37		8.9A	26 26.387	-0.0000	11	-4 43 23.20	0.004	11	0.23	26.387	16	33.8	23.26	16	33.8	G5	F 17	1163	A -4 846
38		8.9A	26 28.221	0.0007	13	-7 12 5.31	0.033	13	0.27	28.210	16	33.8	5.85	16	33.8	F8	R 16	1122	A -7 823
39		9.1A	26 43.813	-0.0008	12	-2 28 28.78	-0.022	12	0.25	43.826	16	33.8	28.43	16	33.8	A8	F 17	1164	A -2 914
40		8.5A	26 51.531	0.0011	13	-5 47 13.22	-0.192	13	0.27	51.513	16	33.8	10.12	16	33.8	F8	17	1165	A -5 928
41		8.8A	26 52.347	-0.0017	11	-5 37 9.79	0.025	11	0.23	52.374	16	33.8	10.20	16	33.8	F0	17	1167	A -5 929
42		8.0A	26 54.856	-0.0003	12	-4 18 53.12	0.016	12	0.25	54.862	16	33.8	53.37	16	33.8	A0	17	1168	A -4 850
43		7.9A	26 55.106	0.0008	11	-2 31 17.92	-0.083	11	0.23	55.094	16	33.8	16.57	16	33.8	K0	17	1166	A -2 915
44		9.0A	27 7.071	-0.0019	09	-0 54 10.43	-0.022	11	0.22	7.096	17	37.4	10.15	17	37.4	F2	R 21	982	A -1 852
45		9.1A	27 9.028	-0.0009	12	-7 18 59.56	-0.014	12	0.25	9.043	16	33.8	59.34	16	33.8	K5	R 16	1125	A -7 825
46		9.0A	27 12.499	-0.0004	12	-3 41 9.72	0.002	12	0.25	12.506	16	33.8	9.75	16	33.8	F0	F 17	1169K	A -3 794
47		8.0A	27 14.879	-0.0009	12	-4 42 19.69	-0.007	13	0.26	14.893	16	33.8	19.57	16	33.8	K0	17	1170	A -4 851
48		8.8A	27 17.706	-0.0004	13	-4 5 10.75	-0.039	13	0.27	17.713	16	33.8	10.11	16	33.8	A2	17	1171	A -4 852
49		9.0A	27 24.796	0.0002	09	-0 14 43.16	0.009	11	0.22	24.794	17	37.4	43.27	17	37.4	A0	21	984	A -0 707
50		8.5A	27 29.538	0.0014	11	-2 26 51.29	-0.003	11	0.23	29.516	16	33.8	51.24	16	33.8	A5	17	1172	A -2 920
51		8.9A	4 27 31.138	0.0136	12	-3 10 8.66	-0.117	12	0.25	30.918	16	33.8	6.77	16	33.8	G0	17	1173	A -3 795
52		9.0A	27 38.305	-0.0024	09	-0 15 42.10	0.028	11	0.22	38.335	17	37.4	42.45	17	37.4	G	21	985	A -0 708
53		9.0A	27 39.064	0.0003	11	-6 56 53.37	0.015	11	0.23	39.059	16	33.8	53.62	16	33.8	K5	R 16	1126	A -7 826
54		9.2A	27 41.907	-0.0021	13	-8 9 38.61	0.002	12	0.26	41.941	16	33.8	38.65	16	33.8	M2	R 16	1127	A -8 869
55		9.2A	27 54.103	-0.0001	14	-0 42 50.38	0.005	20	0.28	54.104	17	37.4	50.44	17	37.4	F2	R 21	986	A* -0 709
56		8.3A	28 2.941	0.0001	11	-2 20 14.21	0.014	11	0.23	2.939	16	33.8	14.44	16	33.8	G5	17	1174	A -2 923
57		8.9A	28 9.556	-0.0007	09	-1 32 43.88	-0.007	11	0.22	9.566	17	37.4	43.79	17	37.4	K0	R 21	989	A -1 657
58		9.1A	28 17.535	-0.0010	13	-5 5 6.16	-0.045	13	0.27	17.551	16	33.8	5.46	16	33.8	G8	F 17	1176	A -5 938
59		9.1A	28 17.978	-0.0029	12	-3 4 40.34	-0.007	12	0.25	18.025	16	33.8	40.23	16	33.8	K2	F 17	1175	A -3 800
60		8.9A	28 18.364	-0.0008	11	-6 48 16.32	0.021	11	0.23	18.377	16	33.8	16.66	16	33.8	K	16	1128	A -7 826
61		8.5A	28 19.287	-0.0004	12	-7 20 52.69	0.026	12	0.25	19.293	16	33.8	53.32	16	33.8	A2	16	1129	A -7 829
62		7.8A	28 33.698	-0.0007	09	-5 4 3.69	0.006	09	0.22	33.709	16	33.8	3.79	16	33.8	A2	17	1177	A -5 941
63		9.1A	28 37.642	-0.0015	09	-0 55 55.44	-0.009	11	0.22	37.662	17	37.4	55.32	17	37.4	G5	R 21	991	A -1 658
64		8.9A	28 44.759	0.0007	09	-0 55 52.36	0.020	11	0.22	44.751	17	37.4	52.63	17	37.4	K0	21	992	A -1 659
65		7.5A	28 44.967	-0.0012	11	-4 57 55.60	-0.063	11	0.23	44.987	16	33.8	54.57	16	33.8	F5	17	1178	A -5 942
66		9.2A	29 9.065	-0.0005	12	-7 7 48.03	0.020	12	0.25	9.073	16	33.8	48.36	16	33.8	G5	R 16	1130	A -7 832
67		8.9A	29 9.449	-0.0025	09	-0 47 17.49	0.009	11	0.22	9.480	17	37.4	17.60	17	37.4	K5	21	993	A -0 712
68		8.6A	29 12.357	0.0001	09	-1 27 29.75	-0.024	11	0.22	12.356	17	37.4	29.45	17	37.4	G5	21	994	A -1 660
69		9.1A	29 14.796	-0.0007	12	-4 41 23.55	-0.005	12	0.25	14.808	16	33.8	23.46	16	33.8	K5	F 17	1179	A -4 859
70		5.0T	29 19.048	-0.0001	03	-0 8 59.17	-0.007	03	0.19	19.054	06	95.1	58.80	07	95.0	K0	GC	5528	B* -0 713
71		8.9A	29 27.117	-0.0017	13	-2 1 43.53	0.004	13	0.27	27.144	16	33.8	43.60	16	33.8	K2	17	1180	A -2 929
72		7.4A	29 30.481	0.0015	13	-4 29 14.03	0.006	13	0.27	30.457	16	33.8	14.12	16	33.8	K0	17	1181	A -4 861
73		9.0A	29 32.513	0.0005	11	-8 57 18.62	-0.021	11	0.23	32.505	16	33.8	18.28	16	33.8	F8	R 16	1131	A -9 918
74		8.7A	29 34.675	0.0086	13	-2 4 59.95	-0.102	13	0.27	34.536	16	33.8	58.30	16	33.8	G0	17	1182	A -2 930
75		8.0A	29 40.048	-0.0007	09	-1 36 46.93	0.016	11	0.22	40.057	17	37.4	47.13	17	37.4	A2	21	998	A -1 663
76		8.9A	29 43.411	-0.0002	13	-4 7 38.31	-0.005	13	0.27	43.415	16	33.8	38.22	16	33.8	K2	F 17	1184	A -4 862
77		9.1A	29 43.618	-0.0017	13	-9 24 6.98	0.009	13	0.27	43.645	16	33.8	7.13	16	33.8	F2	R 16	1132	A -9 920
78		8.1B	29 53.191	-0.0019	12	-5 8 37.56	-0.030	12	0.58	53.279	14	03.1	36.20	15	04.0	G0	GC	5540	-5 948
79		5.9T	30 7.180	-0.0007	10	-3 18 50.90	-0.004	07	0.45	7.217	14	97.4	50.74	12	04.1	B9	GC	5543	-3 809
80		8.6A	30 23.598	-0.0025	09	-0 15 19.17	0.005	11	0.22	23.628	17	37.4	19.21	17	37.4	A2	21	1001	A -0 716
81		9.0A	30 24.928	-0.0007	11	-5 49 48.24	-0.013	11	0.23	24.937	16	33.8	48.04	16	33.8	F2	17	1187	A -6 929
82		8.8A	30 27.047	0.0013	13	-6 25 36.42	-0.059	13	0.27	27.026	16	33.8	35.47	16	33.8	F5	16	1135	A -6 931
83		9.0A	30 27.726	0.0001	12	-8 14 43.98	-0.033	12	0.25	27.723	16	33.8	43.45	16	33.8	F8	R 16	1136	A -8 875
84		9.0A	30 29.688	-0.0003	13	-8 2 33.66	0.013	13	0.27	29.692	16	33.8	33.88	16	33.8	G5	R 16	1137	A -8 876
85		9.0A	30 34.148	-0.0002	09	-0 9 16.80	0.001	11	0.22	34.150	17	37.4	16.81	17	37.4	K2	21	1002	A -0 717
86		9.1A	30 41.173	0.0014	13	-9 56 0.23	-0.017	12	0.26	41.149	16	33.8	59.95	16	33.8	G5	16	1139	A -10 951
87		9.0A	30 41.476	-0.0025	13	-8 41 38.23	-0.035	13	0.27	41.517	16	33.8	37.66	16	33.8	G0	16	1138	A -8 878
88		8.8A	30 42.374	0.0019	09	-1 23 50.64	-0.032	11	0.22	42.351	17	37.4	50.24	17	37.4	G0	R 21	1003	A -1 667
89		9.0A	30 42.860	-0.0013	09	-1 28 19.88	0.007	11	0.22	42.877	17	37.4	19.96	17	37.4		21	1004	A -1 666
90		8.7A	30 49.022	0.0005	13	-3 6 14.73	-0.030	13	0.27	49.014	16	33.8	14.25	16	33.8	K2	17	1188	A -3 811
91		8.9A	30 51.304	-0.0002	13	-3 24 11.81	0.036	13	0.27	51.308	16	33.8	12.40	16	33.8	G8	F 17	1189	A -3 812
92		8.9A	30 55.862	-0.0009	13	-9 34 21.93	-0.024	13	0.27	55.878	16	33.8	21.54	16	33.8	K0	R 16	1140	A -9 925
93		9.1A	31 2.881	-0.0025	13	-9 33 34.67	-0.051	13	0.27	2.921	16	33.8	35.84	16	33.8	K2	R 16	1143	A -9 927
94		8.2A	31 3.431	0.0037	12	-7 56 36.50	0.077	11	0.24	3.338	16	33.8	37.75	16	33.8	F8	16	1141	A -8 879
95		9.1A	31 4.660	-0.0013	13	-8 47 27.76	0.014	13	0.27	4.682	16	33.8	27.99	16	33.8	K2	R 16	1144	A -8 881
96		8.8A	31 4.776	-0.0015	09	-4 10 6.77	0.016	09	0.22	4.801	16	33.8	7.03	16	33.8	K0	17	1190	A -4 864
97		8.0A	31 5.579	-0.0011	13	-4 4 59.60	0.037	13	0.27	5.597	16	33.8	0.20	16	33.8	K0	17	1192	A -4 865
98		6.8T	31 5.625	-0.0001	11	-7 5 32.09	0.035	11	0.56	5.629	15	02.7	33.77	15	02.2	K2	GC	5561	-7 837
99		7.7A	31 7.472	0.0015	13	-1 56 7.69	0.017	13	0.27	7.449	16	33.8	7.97	16	33.8	K0	17	1191	A -2 938
00		8.9A	31 12.149	-0.0009	12	-2 33 24.30	-0.010	12	0.25	12.164	16	33.8	24.14	16	33.8	K0	17	1193	A -2 939

131300

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ_α s	$\sigma_{\mu\alpha}$ .001	δ_{1950} ° ′ ″	μ_δ ″	$\sigma_{\mu\delta}$ .001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ .01	ep.	δ_2 ″	σ' .01	ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	DM NUMBER
1		6.7T	4 31 13.908	0.0004	13	-8 21 33.31	0.005	09	0.64	18.887	18	00.1	33.61	17	03.1	A0	GC	5565	-8 884
2		9.0A	31 15.891	-0.0019	13	-4 11 9.10	0.026	13	0.27	15.823	16	33.8	9.52	16	33.8	A5 F	17	1184	A -4 888
3		6.8T	31 16.388	-0.0022	12	-5 24 46.51	-0.100	13	0.61	16.490	15	03.5	42.00	15	05.1	K0	GC	5566	A -5 953
4		8.9A	31 21.303	-0.0001	13	-7 37 12.44	0.003	13	0.27	21.304	16	33.8	12.50	16	33.8	F2 R	16	1146	A -8 885
5		9.0A	31 25.431	-0.0008	13	-8 21 5.75	0.042	13	0.27	25.448	16	33.8	1.39	16	33.8	A3	16	1147	A -8 934
6		9.0A	31 28.072	-0.0007	13	-8 37 5.47	-0.007	13	0.27	28.082	16	33.8	5.37	16	33.8	F3	16	1148	A -8 935
7		8.9A	31 27.135	0.0001	13	-8 28 3.97	-0.049	13	0.27	27.134	16	33.8	3.18	16	33.8	K0 R	16	1149	A -8 936
8		9.0A	31 29.007	0.0011	12	-5 10 15.48	0.005	12	0.25	27.990	16	33.8	15.78	16	33.8	A0	17	1198	A -5 818
9		5.7T	31 28.395	-0.0004	04	-8 50 32.55	-0.006	04	0.25	28.415	12	00.1	32.25	09	08.6	B9	GC	5569K	B* -7 838
10		8.9A	31 30.786	-0.0017	12	-8 25 58.38	-0.032	11	0.24	30.824	16	33.8	57.87	16	33.8	G0 R	16	1151	A -8 886
11		8.9A	31 34.475	-0.0027	12	-6 19 10.12	-0.005	12	0.25	34.519	16	33.8	10.05	16	33.8	K0 R	16	1152	A -6 937
12		9.0A	31 39.903	-0.0011	09	-0 15 35.40	-0.001	11	0.22	39.917	17	37.4	35.39	17	37.4	K0 R	21	1008	A -0 722
13		9.0A	31 41.958	-0.0041	11	-5 11 36.67	-0.032	13	0.25	42.025	16	33.8	36.15	16	33.8	F3	17	1197	A -5 955
14		8.3A	31 42.881	-0.0004	13	-4 39 39.76	0.006	13	0.27	42.898	16	33.8	39.86	16	33.8	G5	17	1198	A -4 887
15		5.5T	31 46.974	-0.0022	04	-8 20 4.58	0.005	03	0.17	47.084	09	08.7	4.63	07	02.7	K0	GC	5576	B* -8 887
16		5.5T	31 47.977	-0.0029	07	-9 4 18.90	-0.111	06	0.31	48.107	10	05.3	14.12	10	06.8	K2	GC	5577	B* -9 930
17		6.4T	31 48.051	-0.0016	06	-6 56 25.55	-0.036	06	0.42	48.155	15	04.3	23.07	14	00.5	K2	GC	5578	-7 841
18		8.9A	31 48.402	0.0003	09	-1 6 28.39	0.009	11	0.22	48.398	17	37.4	28.50	17	37.4	F0 R	21	1009	A -1 888
19		9.0A	31 51.827	0.0006	13	-4 52 3.40	-0.021	13	0.27	51.818	16	33.8	3.06	16	33.8	A3	17	1199	A -5 956
20		8.9A	31 50.368	-0.0015	09	-0 50 51.94	-0.010	11	0.22	58.388	17	37.4	51.81	17	37.4	K0 R	21	1011	A -1 670
21		8.0A	32 1.223	-0.0016	13	-5 14 25.72	-0.055	13	0.27	1.249	16	33.8	24.82	16	33.8	K0	17	1201	A -5 957
22		8.1A	32 3.616	-0.0013	13	-2 11 7.88	-0.015	13	0.27	3.637	16	33.8	7.64	16	33.8	A0	17	1200	A -2 842
23		8.9A	32 5.864	-0.0008	09	-1 4 30.46	-0.014	11	0.22	5.874	17	37.4	30.27	17	37.4	K0	21	1012	A -1 671
24		8.5A	32 17.623	-0.0022	12	-1 58 2.05	-0.003	12	0.25	17.659	16	33.8	2.00	16	33.8	K0	17	1202	A -2 844
25		8.9A	32 18.701	-0.0027	09	-5 32 37.81	-0.002	12	0.23	18.745	16	33.8	37.79	16	33.8	G0	17	1203	A -5 959
26		8.6A	32 18.893	-0.0002	09	-0 24 37.33	0.008	11	0.22	18.896	17	37.4	37.43	17	37.4	K5	21	1013	A -0 724
27		9.0A	32 23.047	-0.0012	13	-2 47 8.50	-0.046	13	0.27	23.067	16	33.8	7.76	16	33.8	K2 F	17	1204	A -2 945
28		8.8A	32 23.784	-0.0004	09	-0 25 23.82	-0.041	11	0.22	23.790	17	37.4	23.31	17	37.4	G5	21	1015	A -0 726
29		8.5A	32 30.431	-0.0013	12	-7 5 55.10	-0.005	12	0.25	30.452	16	33.8	55.03	16	33.8	A2	16	1156	A -7 845
30		8.3A	32 31.720	-0.0013	11	-3 27 20.17	-0.013	11	0.23	31.741	16	33.8	19.96	16	33.8	K2 F	17	1205	A -3 824
31		8.8A	32 40.357	-0.0009	13	-4 56 4.83	0.016	13	0.27	40.372	16	33.8	5.09	16	33.8	K0 F	17	1206	A -5 962
32		9.0A	32 41.704	-0.0015	12	-7 24 4.28	0.034	12	0.25	41.728	16	33.8	4.81	16	33.8	K0	16	1157	A -7 847
33		8.8A	32 42.655	-0.0015	13	-8 47 43.86	0.012	13	0.27	42.680	16	33.8	44.06	16	33.8	A2	16	1158	A -8 891
34		7.7T	32 50.062	0.0010	10	-9 50 19.75	-0.010	11	0.55	50.013	17	01.3	19.25	17	98.9	A0	GC	5595K	-10 958
35		6.7T	32 50.954	0.0010	07	-9 50 17.62	-0.023	09	0.49	50.901	17	97.3	16.35	15	94.7	A0	GC	5597K	-10 959
36		8.0A	32 52.991	-0.0007	13	-4 50 13.38	-0.043	13	0.27	53.002	16	33.8	12.69	16	33.8	G0	17	1207	A -5 963
37		9.0A	32 55.656	-0.0021	09	-1 27 53.55	0.016	11	0.22	55.682	17	37.4	53.74	17	37.4	G	21	1016	A -1 673
38		8.1B	32 56.436	-0.0022	12	-8 23 37.26	-0.008	08	0.50	56.534	17	05.2	36.88	17	01.3	A0	GC	5601	-8 892
39		8.3A	32 56.990	-0.0001	13	-4 43 49.98	0.020	13	0.27	56.992	16	33.8	50.31	16	33.8	K0	17	1208	A -4 875
40		9.0A	32 59.605	0.0014	11	-3 15 8.82	0.014	11	0.23	59.585	16	33.8	9.05	16	33.8	K0 F	17	1209	A -3 827
41		8.7A	33 6.601	-0.0013	12	-6 11 36.57	-0.013	12	0.25	6.621	16	33.8	36.37	16	33.8	K5 R	16	1162	A -6 943
42		8.5A	33 13.675	-0.0018	13	-9 16 34.70	0.034	13	0.27	13.702	16	33.8	35.25	16	33.8	K5	16	1163	A -9 934
43		8.0A	33 30.621	-0.0015	11	-2 19 53.35	-0.015	11	0.23	30.645	16	33.8	53.09	16	33.8	B9	17	1210	A -2 932
44		6.3T	33 31.889	-0.0008	04	-3 42 46.21	-0.012	04	0.25	31.929	12	00.7	45.55	12	93.3	B9	GC	5612K	-3 830
45		8.3A	33 45.345	-0.0005	13	-3 36 12.12	0.006	13	0.27	45.351	16	33.8	12.22	16	33.8	B9 F	17	1212	A -3 832
46		4.1H	33 49.094	-0.0001	01	-3 27 11.62	-0.003	01	0.05	49.099	02	14.4	11.51	02	13.9	B2	F4	169	-3 834
47		8.2A	33 53.987	-0.0006	13	-4 28 3.66	0.003	13	0.27	53.997	16	33.8	3.71	16	33.8	K0	17	1214	A -4 879
48		9.0A	33 56.681	-0.0000	13	-7 24 46.57	-0.016	13	0.27	56.681	17	37.4	46.77	17	37.4	K0 R	21	1020	A -7 728
49		9.2A	34 0.391	-0.0004	09	-0 39 2.02	-0.033	11	0.22	0.422	17	37.4	1.60	17	37.4	G5 R	21	1021	A -0 729
50		8.9A	34 21.565	-0.0010	09	-0 13 13.84	-0.026	11	0.22	21.578	17	37.4	13.51	17	37.4	K2	21	1023	A -0 730
51		6.9T	4 34 25.611	-0.0017	11	-8 33 36.14	0.003	09	0.55	25.699	19	98.5	38.32	17	96.0	A0	GC	5623	-8 894
52		8.8A	34 35.508	0.0030	20	-9 59 39.62	-0.025	20	0.36	35.459	18	33.8	39.22	16	33.8	F0 J	11	1138	A -10 967
53		9.0A	34 42.409	-0.0003	12	-7 44 18.24	0.011	12	0.25	42.413	16	33.8	18.43	16	33.8	K2 R	16	1165	A -7 854
54		8.8B	34 45.574	-0.0016	11	-8 31 34.54	0.011	09	0.49	45.647	15	04.7	35.06	15	02.9	K0	GC	5630	-8 896
55		8.7A	35 0.438	-0.0014	09	-2 36 8.62	-0.018	09	0.22	0.461	16	33.8	8.33	16	33.8	K0 F	17	1215	A -2 961
56		9.0A	35 0.802	-0.0005	09	-1 11 25.82	-0.071	11	0.22	0.809	17	37.4	24.92	17	37.4	K0 R	21	1030	A -1 682
57		8.8T	35 3.119	0.0022	17	-9 57 1.06	0.011	12	0.67	3.026	18	07.9	1.56	18	05.0	F8	GC	5634	-10 966
58		5.3T	35 4.971	0.0025	04	-2 34 19.20	-0.059	03	0.17	4.864	07	07.2	16.58	06	05.3	A5	GC	5635K	B* -2 963
59		8.8A	35 8.635	-0.0008	12	-8 28 26.45	0.004	12	0.25	8.648	16	33.8	26.52	16	33.8	A	16	1168	A -8 898
60		8.8A	35 10.476	-0.0021	13	-5 36 40.58	0.006	13	0.27	10.510	16	33.8	40.69	16	33.8	A3	17	1218	A -5 975
61		7.1T	35 11.982	-0.0004	11	-2 44 43.10	-0.017	09	0.56	12.004	15	97.0	42.21	15	96.3	K0	GC	5641	-2 964
62		8.7A	35 13.914	-0.0032	09	-0 15 43.22	-0.017	11	0.22	13.954	17	37.4	43.01	17	37.4	K0	21	1031	A -0 733
63		8.8A	35 15.693	-0.0026	13	-4 18 23.80	0.025	13	0.27	15.739	16	33.8	24.21	16	33.8	G8 F	17	1220	A -4 885
64		9.2A	35 16.487	-0.0023	09	-2 57 35.24	-0.004	09	0.22	16.524	16	33.8	35.18	16	33.8	K2 F	17	1219	A -3 841
65		8.7A	35 17.996	-0.0019	13	-2 48 2.30	0.004	13	0.27	18.027	16	33.8	2.37	16	33.8	K0 F	17	1221	A -2 966
66		8.8A	35 20.658	-0.0020	09	-0 29 41.15	-0.002	11	0.22	20.684	17	37.4	41.12	17	37.4	K0 R	21	1032	A -0 734
67		9.0A	35 20.839	-0.0002	09	-0 57 32.09	-0.006	11	0.22	20.842	17	37.4	32.01	17	37.4	K5 R	21	1033	A -1 683
68		9.0A	35 32.771	-0.0009	09	-0 45 20.41	0.006	11	0.22	32.782	17	37.4	20.48	17	37.4	A0 R	21	1034	A -0 735
69		9.0A	35 35.633	-0.0017	12	-9 9 10.47	-0.004	12	0.25	35.661	16	33.8	10.41	16	33.8	K0 R	16	1169	A -9 944
70		9.0A	35 45.084	0.0030	09	-1 5 32.43	-0.073	11	0.22	45.027	17	37.4	31.51	17	37.4	K5 R	21	1035	A -1 684
71		9.0A	35 54.229	-0.0023	13	-5 59 12.62	-0.001	13	0.27	54.267	16	33.8	12.62	16	33.8	A2	16	1170	A -6 953
72		8.7A	35 55.426	-0.0020	12	-8 22 33.59	0.016	12	0.25	55.458	16	33.8	33.85	16	33.8	K0	16	1171	A -8 901
73		8.2A	36 0.119	-0.0010	13	-5 29 40.43	-0.051	13	0.27	0.135	16	33.8	39.60	16	33.8	G5	17	1223	A -5 976
74		8.3A	36 1.217	0.0005	13	-4 16 2.80	0.000	13	0.27	1.209	16	33.8	2.81	16	33.8	K5	17	1222	A -4 889
75		8.3A	36 10.717	-0.0001	13	-9 26 29.16	0.013	13	0.27	10.719	16	33.8	29.37	16	33.8	F8	16	1172	A -9 947
76		9.2A	36 10.926	-0.0017	09	-0 39 6.07	-0.056	11	0.22	10.948	17	37.4	5.35	17	37.4	K2 R	21	1037	A -0 741
77		8.8A	36 12.781	-0.0009	11	-9 8 3.06	-0.015	11	0.23	12.777	16	33.8	2.82	16	33.8	F5	16	1173	A -9 948
78		8.8A	36 14.720	-0.0007	12	-7 36 48.54	0.009	12	0.25	14.731	16	33.8	48.69	16	33.8	K0	16	1174	A -7 861
79		8.9A	36 15.809	-0.0014	09	-0 58 40.12	0.008	11	0.22	15.827	17	37.4	40.21	17	37.4	K2	21	1038	A -1 686
80		7.7B	36 27.781	0.0011	10	-8 19 21.20	-0.016	08	0.48	27.727	17	01.1	20.39	15	98.7	B9	GC	5667	-8 903
81		8.6A	36 29.430	-0.0012	12	-7 29 32.76	0.015	12	0.25	29.449	16	33.8	33.01	16	33.8	K0	16	1177	A -7 864
82		8.9A	36 30.118	-0.0017	13	-7 3 21.50	-0.016	13	0.27	30.146	16	33.8	21.24	16	33.8	K0 R	16	1176	A -7 863
83		8.9A	36 32.388	-0.0032	13	-5 52 16.93	-0.007	13	0.27	32.439	16	33.8	16.82	16	33.8	G5	17	1224	A -6 954
84		7.8A	36 37.322	-0.0022	11	-4 54 16.58	0.014	11	0.23	37.358	16	33.8	16.81	16	33.8	K5	17	1225	A -5 981
85		8.5A	36 40.908	-0.0019	11	-4 47 44.03	-0.018	11	0.23	40.940	16	33.8	43.74	16	33.8	A0	17	1226	A -4 895
86		7.5A	36 34.712	-0.0013	09	-0 10 52.03	-0.050	11	0.22	34.729	17	37.4	51.40	17	37.4	K0	21	1041	A -0 743
87		9.0A	36 37.404	-0.0008	09	-5 3 36.32	0.002	09	0.22	37.417	16	33.8	36.34	16	33.8	A2	17	1227	A -5 982
88		9.0A	36 38.854	-0.0011	09	-5 1 47.34	-0.024	09	0.22	38.871	16	33.8	46.94	16	33.8	A0 F	17	1228	A -5 983
89		8.5A	37 1.386	-0.0004	11	-4 59 14.06	0.010	11	0.23	1.393	16	33.8	14.23	16	33.8	G0	17	1229	A -5 984
90		8.9A	37 3.798	0.0003	12	-9 2 30.64	-0.003	12	0.25	3.796	16	33.8	30.59	16	33.8	G0	16	1179	A -9 950
91		8.5A	37 13.722	-0.0023	12	-3 28 43.29	-0.008	12	0.25	13.760	16	33.8	43.17	16	33.8	A0	17	1230	A -3 855
92		6.2T	37 14.614	0.0014	07	-1 8 57.73	-0.016	07	0.40	14.536	14	96.0	56.84	14	95.6	K0	GC	5682	-1 689
93		8.7A	37 23.449	0.0062	13	-4 11 54.12	-0.024	13	0.27	23.349	16	33.8	53.74	16	33.8	G0	17	1231	A -4 898
94		8.6A	37 30.912	0.0001	12	-7 18 40.12	0.020	12	0.25	30.910	16	33.8	40.45	16	33.8	F2	16	1180	A -7 869
95		9.0A	37 35.908	-0.0006	09	-0 32 7.84	-0.020	11	0.22	35.914	17	37.4	7.58	17	37.4	F0	21	1044	A -0 746
96		9.3A	37 45.867	-0.0029	13	-7 4 17.98	-0.049	13	0.27	45.913	16	33.8	17.20	16	33.8	G5 R	16	1181	A -7 873
97		9.3A	38 3.378	0.0001	12	-7 53 24.24	-0.014	11	0.24	3.377	16	33.8	24.01	16	33.8	G5 R	16	1182	A -8 910
98		8.4A	38 8.643	-0.0028	09	-1 17 45.72	-0.040	11	0.22	8.699	17	37.4	45.21	17	37.4	F5	21	1045	A -1 692
99		9.0A	38 10.978	-0.0021	09	-1 6 20.41	-0.003	11	0.22	11.004	17	37.4	20.36	17	37.4	F5 R	21	1046	A -1 693
100		8.0A	38 25.496	-0.0025	09	-2 2 43.35	-0.014	09	0.22	25.537	16	33.8	43.13	16	33.8	G5	17	1232	A -2 962

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NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	EPOCH 1950 μ s	EPOCH 1950 σ_μ ″.001	EPOCH 1950 δ_{1950} ° ′ ″	EPOCH 1950 μ' ″	EPOCH 1950 $\sigma_{\mu'}$ ″.001	EPOCH 1950 σ_{1950} ″	ORIGINAL EPOCH α_2 s	ORIGINAL EPOCH σ ″.01	ORIGINAL EPOCH ep.	ORIGINAL EPOCH δ_2 ″	ORIGINAL EPOCH σ' ″.01	ORIGINAL EPOCH ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	DM NUMBER
1		8.9A	4 38 25.653	-0.0014	12	-2 47 15.51	-0.053	12	0.25	25.675	16	33.8	14.66	16	33.8	KOP F	17	1233	A -2 983
2		7.3A	38 26.404	-0.0035	11	-3 36 46.91	-0.001	11	0.23	26.460	16	33.8	46.90	16	33.8	KO	17	1234	A -3 857
3		9.2A	38 28.844	-0.0011	12	-7 42 2.52	-0.007	12	0.25	28.861	16	33.8	2.42	16	33.8	F0 R	16	1184	A -7 875
4		9.2A	38 34.133	-0.0022	09	-0 59 12.06	0.005	11	0.22	34.161	17	37.4	12.11	17	37.4	F5 R	21	1048	A -1 695
5		7.6A	38 38.672	0.0010	12	-6 50 34.48	-0.002	12	0.25	38.655	16	33.8	34.46	16	33.8	KO	16	1185	A -7 876
6		9.1A	38 45.081	0.0086	11	-8 57 26.78	-0.035	11	0.23	44.942	16	33.8	26.21	16	33.8	G0 R	16	1186	A -9 958
7		9.1A	38 47.311	-0.0006	09	-0 29 22.81	-0.001	11	0.22	47.319	17	37.4	22.80	17	37.4	F0 R	21	1049	A -0 748
8		9.2A	38 52.119	-0.0025	12	-6 37 4.44	-0.077	12	0.25	52.160	16	33.8	3.20	16	33.8	G0 R	16	1187	A -6 961
9		9.0A	39 0.802	0.0011	09	-1 48 12.42	0.027	11	0.22	0.788	17	37.4	12.76	17	37.4	G0 R	21	1053	A -1 699
10		8.5A	39 1.659	0.0055	09	-0 50 23.99	0.071	11	0.22	1.590	17	37.4	24.88	17	37.4	F2	21	1052	A -1 697
11		8.7A	39 4.115	0.0003	12	-8 16 52.17	0.008	12	0.25	4.110	16	33.8	52.31	16	33.8	K2	16	1188	A -8 914
12		9.0A	39 5.589	-0.0009	09	-2 32 44.88	-0.008	09	0.22	5.605	16	33.8	44.76	16	33.8	M3 F	17	1236	A -2 985
13		8.5A	39 12.714	-0.0024	12	-2 13 44.34	-0.012	12	0.25	12.753	16	33.8	44.15	16	33.8	A0	17	1237	A -2 988
14		9.0A	39 18.321	-0.0007	13	-7 48 40.91	0.021	13	0.27	18.331	16	33.8	41.25	16	33.8	F2 R	16	1189	A -8 915
15		9.0A	39 23.572	-0.0014	12	-3 58 31.80	-0.031	12	0.25	23.595	16	33.8	31.30	16	33.8	F5 F	17	1238	A -4 913
16		8.7A	39 26.161	-0.0045	13	-6 18 16.17	0.017	13	0.27	26.234	16	33.8	16.46	16	33.8	F5	16	1190	A -6 963
17		9.0A	39 36.763	0.0004	09	-1 45 32.79	-0.020	11	0.22	36.758	17	37.4	32.54	17	37.4	A2	21	1055	A -1 700
18		8.8A	39 45.393	-0.0001	11	-3 32 53.77	-0.006	13	0.25	45.395	16	33.8	53.68	16	33.8	K0	17	1240	A -3 862
19		6.8T	39 49.926	-0.0021	09	-1 1 26.36	-0.037	09	0.55	50.052	15	89.8	24.24	17	93.4	F0	16	5730	-1 702
20		9.5A	39 54.873	-0.0017	12	-8 43 8.14	-0.087	11	0.24	54.901	16	33.8	6.73	16	33.8	G5 R	16	1191	A -8 916
21		9.1A	40 9.273	-0.0027	12	-6 8 46.73	-0.002	12	0.25	9.316	16	33.8	46.71	16	33.8	A0	16	1192	A -6 968
22		7.1T	40 12.974	-0.0022	13	-5 51 2.20	0.003	13	0.73	13.092	17	96.1	2.38	17	96.9	A0	GC	5736	-6 969
23		8.5A	40 16.043	-0.0015	12	-8 53 57.00	0.020	12	0.25	16.068	16	33.8	57.33	16	33.8	K0	16	1194	A -9 964
24		7.8Q	40 23.381	0.0053	10	-0 40 59.43	-0.068	12	0.50	23.143	14	05.1	56.50	15	07.1	G5	GC	5745	-0 758
25		8.4A	40 24.524	0.0001	09	-3 25 4.59	0.036	09	0.22	24.523	16	33.8	5.18	16	33.8	K0	17	1243	A -3 864
26		8.0A	40 24.571	0.0018	13	-4 12 47.29	-0.008	13	0.27	24.542	16	33.8	47.16	16	33.8	A2	17	1244	A -4 922
27		8.8A	40 24.794	0.0009	13	-2 45 24.41	-0.010	13	0.27	24.780	16	33.8	24.25	16	33.8	K2 F	17	1242	A -2 992
28		9.0A	40 32.080	-0.0019	09	-4 46 58.39	0.006	09	0.22	32.111	16	33.8	58.49	16	33.8	A3 F	17	1245	A -4 923
29		9.0A	40 37.748	-0.0013	09	-1 32 38.40	0.034	11	0.22	37.765	17	37.4	38.83	17	37.4	F2 R	21	1061	A -1 705
30		9.1A	40 40.094	0.0010	13	-9 14 5.99	-0.002	13	0.27	40.078	16	33.8	5.96	16	33.8	F8 R	16	1197	A -9 966
31		9.1A	40 40.386	-0.0011	09	-1 23 15.12	0.007	11	0.22	40.400	17	37.4	15.21	17	37.4	A0	21	1062	A -1 706
32		7.3A	40 41.011	0.0018	12	-6 33 49.34	-0.012	12	0.25	40.981	16	33.8	49.14	16	33.8	A0	16	1195	A -6 970
33		8.6A	40 41.644	-0.0029	12	-7 30 17.26	0.003	12	0.25	41.691	16	33.8	17.31	16	33.8	A2	16	1196K	A -7 882
34		8.8A	40 44.585	-0.0004	13	-4 50 41.51	-0.004	13	0.27	44.592	16	33.8	41.45	16	33.8	K5	17	1246	A -5 1007
35		8.9A	40 45.611	-0.0009	13	-7 14 15.60	-0.023	13	0.27	45.625	16	33.8	15.24	16	33.8	K2 R	16	1198	A -7 883
36		9.3A	40 48.833	-0.0007	09	-1 9 17.67	0.021	11	0.22	48.842	17	37.4	17.92	17	37.4	G0 R	21	1063	A -1 707
37		8.9A	40 49.692	-0.0025	13	-6 50 1.13	-0.006	13	0.27	49.733	16	33.8	1.04	16	33.8	G5 R	16	1199	A -7 884
38		8.6A	40 51.286	-0.0020	13	-5 50 15.84	-0.040	13	0.27	51.318	16	33.8	15.20	16	33.8	F0	17	1247	A -6 971
39		9.0A	40 52.077	-0.0013	12	-8 35 46.27	0.006	12	0.25	52.099	16	33.8	46.37	16	33.8	G0 R	16	1201	A -8 923
40		8.3A	40 53.098	-0.0037	13	-9 42 41.36	0.047	13	0.27	53.158	16	33.8	42.14	16	33.8	G5	16	1202	A -9 968
41		8.7A	40 58.179	-0.0010	09	-1 12 14.73	0.009	11	0.22	58.192	17	37.4	14.83	17	37.4	K5	21	1064	A -1 708
42		6.7T	41 10.619	0.0010	06	-8 53 9.96	-0.012	06	0.38	10.560	15	92.1	9.22	14	87.4	F5	GC	5759K	B* -9 969
43		6.7T	41 11.099	0.0017	04	-8 53 17.64	-0.024	03	0.21	11.013	12	99.5	16.39	10	97.3	F5	GC	5760K	B* -9 970
44		8.8A	41 15.834	-0.0027	13	-5 13 11.17	-0.032	13	0.27	15.877	16	33.8	10.65	16	33.8	F8	17	1248	A -5 1011
45		9.0A	41 20.012	-0.0026	11	-2 41 25.58	-0.010	11	0.23	20.055	16	33.8	25.42	16	33.8	K0 F	17	1249	A -2 998
46		8.4A	41 21.048	-0.0022	12	-4 23 29.43	0.014	12	0.25	21.084	16	33.8	29.66	16	33.8	A3	17	1250	A -4 928
47		9.1A	41 25.057	0.0024	13	-8 20 19.11	-0.032	13	0.27	25.018	16	33.8	18.60	16	33.8	G0 R	16	1206	A -8 927
48		8.9A	41 25.984	-0.0017	12	-7 7 52.78	-0.014	12	0.25	26.011	16	33.8	52.56	16	33.8	A0	16	1205	A -7 886
49		9.1A	41 34.498	-0.0007	09	-1 2 9.65	0.007	11	0.22	34.508	17	37.4	9.73	17	37.4	F0 R	21	1067	A -1 709
50		8.1Q	41 36.276	0.0003	07	-3 15 30.99	-0.006	07	0.41	36.261	14	96.1	30.69	14	96.7	K0	GC	5765	-3 869
51		5.9H	4 41 41.033	-0.0003	02	-8 35 43.95	-0.002	02	0.07	41.043	04	21.6	43.90	04	19.2	B5	F4	1131	-8 929
52		9.0A	41 41.308	-0.0025	12	-2 8 3.26	0.006	12	0.25	41.349	16	33.8	3.36	16	33.8	A0	17	1252	A -2 1000
53		9.0A	41 48.182	0.0057	09	-0 7 49.40	-0.007	11	0.22	48.110	17	37.4	49.31	17	37.4	G5 R	21	1069	A -0 762
54		9.1A	41 54.001	0.0017	09	-5 18 52.94	-0.030	09	0.22	53.974	16	33.8	52.45	16	33.8	F0 F	17	1253	A -5 1015
55		8.7A	42 0.963	-0.0001	13	-6 19 3.90	-0.021	13	0.27	0.966	16	33.8	3.56	16	33.8	A2	16	1208	A -6 979
56		8.4A	42 6.502	-0.0024	12	-4 8 28.32	0.006	12	0.25	6.541	16	33.8	28.42	16	33.8	K0	17	1254	A -4 931
57		8.5A	42 6.725	-0.0009	09	-1 31 28.07	0.007	11	0.22	6.736	17	37.4	28.16	17	37.4	G5	21	1071	A -1 712
58		9.0A	42 8.012	-0.0023	13	-6 15 54.79	-0.003	13	0.27	8.049	16	33.8	54.75	16	33.8	F2 R	16	1209	A -6 980
59		9.1A	42 13.041	-0.0021	12	-7 30 4.51	-0.071	11	0.24	13.007	16	33.8	3.37	16	33.8	G0 R	16	1210	A -7 888
60		8.5A	42 22.655	-0.0005	13	-9 11 4.98	-0.117	13	0.27	22.662	16	33.8	3.09	16	33.8	K0	16	1212	A -9 974
61		9.0A	42 25.479	-0.0013	12	-5 49 29.14	-0.031	12	0.25	25.500	16	33.8	28.65	16	33.8	F0	17	1255	A -6 982
62		9.0A	42 33.803	0.0011	13	-6 8 54.50	0.010	13	0.27	33.786	16	33.8	54.67	16	33.8	F0	16	1213	A -6 983
63		9.0A	42 38.225	0.0002	17	-3 7 1.41	-0.021	17	0.31	38.222	16	33.8	1.07	16	33.8	F8 F	17	1256	A -3 874
64		9.2A	42 38.420	-0.0009	13	-9 58 50.88	-0.039	15	0.29	38.435	18	33.8	50.25	16	33.8	G0 J	11	1181	A -10 1002
65		8.6A	42 41.917	-0.0007	13	-3 10 16.05	-0.028	13	0.27	41.928	16	33.8	15.60	16	33.8	F2	17	1257	A -3 875
66		9.0A	42 46.366	-0.0009	13	-8 21 46.69	-0.028	13	0.27	46.381	16	33.8	46.25	16	33.8	G0 R	16	1214	A -8 934
67		8.7A	42 49.066	-0.0008	13	-2 45 51.14	-0.001	13	0.27	49.079	16	33.8	51.13	16	33.8	F0	17	1258	A -2 1004
68		4.2H	42 59.993	0.0007	01	-3 20 41.33	-0.011	01	0.04	59.967	02	13.7	40.92	02	12.7	B5	F4	176	-3 876
69		8.9A	43 4.748	-0.0012	12	-5 38 26.33	-0.001	12	0.25	4.768	16	33.8	26.32	16	33.8	A5	17	1260	A -5 1022
70		9.1A	43 9.739	-0.0042	17	-5 39 49.51	-0.020	17	0.31	9.807	16	33.8	49.20	16	33.8	K0 R	17	1261	A -5 1023
71		9.0A	43 15.672	-0.0001	12	-3 0 54.93	0.039	12	0.25	15.675	16	33.8	55.57	16	33.8	G5 F	17	1262	A -3 879
72		8.0A	43 19.325	0.0009	12	-2 59 54.79	0.018	12	0.25	19.310	16	33.8	55.09	16	33.8	A5	17	1263	A -3 881
73		9.0A	43 23.090	-0.0027	13	-5 38 34.12	-0.010	13	0.27	23.134	16	33.8	33.97	16	33.8	K2 R	16	1216	A -5 1025
74		8.8A	43 28.679	0.0073	13	-6 33 40.47	-0.131	13	0.27	28.561	16	33.8	38.36	16	33.8	G5	16	1217	A -6 986
75		8.2A	43 32.281	-0.0015	12	-4 10 28.01	-0.008	12	0.25	32.306	16	33.8	27.89	16	33.8	A0	17	1264	A -4 935
76		7.7A	43 33.776	-0.0023	12	-7 4 36.80	-0.102	12	0.25	33.814	16	33.8	35.16	16	33.8	G0	16	1218K	A -7 893
77		8.5A	43 36.502	-0.0009	12	-9 44 55.68	-0.021	12	0.25	36.518	16	33.8	55.34	16	33.8	K0	16	1219	A -9 977
78		9.0A	43 42.370	-0.0001	09	-0 28 52.69	0.031	11	0.22	42.372	17	37.4	53.08	17	37.4	G	21	1075	A -0 764
79		8.6A	43 45.371	0.0005	13	-3 47 20.73	0.071	13	0.27	45.364	16	33.8	21.88	16	33.8	G0	17	1265	A -3 883
80		8.9A	43 51.814	-0.0023	13	-9 34 0.82	0.014	13	0.27	51.852	16	33.8	1.05	16	33.8	K0 R	16	1220	A -9 978
81		6.3T	43 53.652	0.0005	06	-3 2 35.06	-0.046	07	0.26	53.632	09	11.3	33.27	10	10.8	A2	GC	5813	-3 884
82		9.0A	43 55.665	-0.0007	13	-5 21 9.94	-0.045	13	0.27	55.676	16	33.8	9.21	16	33.8	G5	17	1268	A -5 1028
83		9.0A	43 56.557	-0.0009	13	-2 9 35.21	-0.016	13	0.27	56.573	16	33.8	34.95	16	33.8	G0	17	1267	A -2 1009
84		8.3A	44 9.936	-0.0003	13	-4 33 54.79	-0.028	13	0.27	9.942	16	33.8	54.34	16	33.8	K5	17	1269	A -4 940
85		8.8A	44 10.213	0.0018	13	-4 41 45.46	-0.013	13	0.27	10.184	16	33.8	45.25	16	33.8	G0	17	1270	A -4 939
86		9.0A	44 16.374	-0.0015	13	-5 8 44.75	-0.030	13	0.27	16.398	16	33.8	44.26	16	33.8	G2 F	17	1271	A -5 1032
87		9.0A	44 20.245	0.0009	12	-3 44 49.89	-0.057	12	0.25	20.231	16	33.8	48.97	16	33.8	F5	17	1272	A -3 886
88		9.3A	44 58.575	-0.0008	11	-5 20 48.74	-0.003	11	0.23	58.588	16	33.8	48.68	16	33.8	G5 R	17	1273	A -5 1037
89		8.2A	45 7.709	-0.0008	09	-0 10 34.83	-0.027	11	0.22	7.720	17	37.0	34.48	17	37.0	F2	21	1081	A -0 771
90		9.0A	45 13.723	-0.0020	11	-2 39 55.86	0.007	11	0.23	13.756	16	33.8	55.97	16	33.8	G8 F	17	1274	A -2 1016
91		8.7A	45 17.133	-0.0015	12	-9 20 40.52	-0.016	12	0.25	17.158	16	33.8	40.26	16	33.8	A0	16	1221	A -9 985
92		8.8A	45 27.181	-0.0007	12	-8 47 13.85	0.060	12	0.25	27.192	16	33.8	14.82	16	33.8	K0	16	1222	A -8 941
93		8.7A	45 34.591	0.0011	12	-8 22 17.32	-0.017	11	0.24	34.573	16	33.8	17.05	16	33.8	F8	16	1223	A -8 942
94		9.1A	45 35.638	-0.0001	11	-8 12 33.05	0.008	12	0.24	35.640	16	33.8	33.18	16	33.8	G0 R	16	1224	A -8 943
95		9.0A	45 38.477	-0.0029	12	-3 2 12.00	0.016	12	0.25	38.525	16	33.8	12.26	16	33.8	F2 F	17	1275	A -3 892
96		9.0A	45 39.094	0.0003	12	-6 29 54.68	-0.004	12	0.25	39.090	16	33.8	54.62	16	33.8	G0 R	16	1225K	A -6 992
97		9.2A	45 42.127	-0.0012	09	-1 10 17.52	0.018	11	0.22	42.143	17	37.0	17.75	17	37.0	K0 R	21	1084	A -1 726
98		8.4A	45 42.461	-0.0008	09	-0 28 40.63	-0.005	11	0.22	42.472	17	37.0	40.56	17	37.0	K5	21	1083	A -0 774
99		8.0A	45 43.686	-0.0005	12	-7 5 41.52	0.003	12	0.25	43.694	16	33.8	41.58	16	33.8	K0	16	1226	A -7 899
00		7.2A	45 50.762	-0.0008	13	-9 35 37.88	-0.005	13	0.27	50.774	16	33.8	37.80	16	33.8	A0	16	1227	A -9 986

131500 — 0° 4H

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	EPOCH 1950 μ_α s	EPOCH 1950 $\sigma_{\mu\alpha}$ .001	EPOCH 1950 δ_{1950} ° ′ ″	EPOCH 1950 μ_δ ″	EPOCH 1950 $\sigma_{\mu\delta}$ .001	EPOCH 1950 σ_{1950} ″	ORIGINAL EPOCH α_2 s	ORIGINAL EPOCH σ_α .01	ORIGINAL EPOCH ep.	ORIGINAL EPOCH δ_2 ″	ORIGINAL EPOCH σ_δ .01	ORIGINAL EPOCH ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	DM NUMBER
1		8.6A	4 45 51.848	0.0003	13	-1 57 12.48	-0.013	13	0.27	51.843	16	33.8	12.27	16	33.8	F0	17	1276	A -2 1021
2		9.0A	45 53.533	-0.0011	12	-7 19 45.77	-0.007	12	0.25	53.551	16	33.8	45.66	16	33.8	A0	16	1228	A -7 902
3		8.5A	46 6.331	0.0002	09	-1 26 35.84	-0.004	11	0.22	6.329	17	37.0	35.79	17	37.0	G5	21	1089	A -1 729
4		6.0T	46 7.926	0.0201	07	-5 45 26.25	-0.241	07	0.32	7.034	12	05.7	16.39	10	09.0	G0	GC	5960	-5 1044
5		9.0A	46 8.865	-0.0019	12	-7 44 21.26	0.000	12	0.25	8.894	16	33.8	21.27	16	33.8	A0	16	1230	A -7 903
6		8.7A	46 9.928	-0.0084	12	-3 24 4.71	0.025	12	0.25	8.967	16	33.8	5.12	16	33.8	F8	17	1277	A -3 897
7		8.7A	46 13.773	-0.0025	11	-2 43 22.30	-0.016	11	0.23	13.813	16	33.8	22.05	16	33.8	G5	17	1279	A -2 1025
8		8.7A	46 23.940	-0.0016	12	-5 56 8.01	-0.042	12	0.25	23.985	16	33.8	7.34	16	33.8	A3	17	1280	A -6 994
9		8.8A	46 26.609	0.0010	09	-0 27 44.71	0.052	11	0.22	26.597	17	37.0	45.38	17	37.0	K0 R	21	1091	A -0 777
10		8.1A	46 31.127	-0.0023	12	-7 11 47.33	-0.014	12	0.25	31.163	16	33.8	47.10	16	33.8	F2	16	1232	A -7 905
11		9.0A	46 33.037	-0.0013	11	-7 58 31.61	-0.003	11	0.23	33.058	16	33.8	31.57	16	33.8	F5	16	1233	A -8 946
12		9.0A	46 35.446	-0.0010	09	-0 3 29.36	0.007	11	0.22	35.460	17	37.0	29.45	17	37.0	K0 R	21	1092K	A -0 778
13		9.0A	46 37.101	-0.0019	11	-9 4 57.69	-0.006	11	0.23	37.132	16	33.8	57.59	16	33.8	K0 R	16	1234	A -9 992
14		9.2A	46 37.462	-0.0028	09	-0 40 56.37	0.008	11	0.22	37.499	17	37.0	56.46	17	37.0	F8 R	21	1093	A -0 779
15		7.5A	46 45.338	-0.0013	11	-5 4 21.39	-0.012	11	0.23	45.359	16	33.8	21.19	16	33.8	B8	17	1281	A -5 1046
16		8.4A	46 46.396	0.0029	09	-0 57 19.52	-0.030	11	0.22	46.359	17	37.0	19.13	17	37.0	G5	21	1094	A -1 731
17		8.8A	46 50.232	-0.0014	13	-7 21 42.77	0.017	13	0.27	50.254	16	33.8	43.05	16	33.8	A5	16	1235	A -7 906
18		9.0A	46 51.674	-0.0006	13	-5 27 37.49	0.010	13	0.27	51.684	16	33.8	37.65	16	33.8	G0 R	16	1293	A -5 1047
19		8.7A	46 52.074	-0.0019	13	-7 27 14.02	-0.029	13	0.27	52.104	16	33.8	13.56	16	33.8	G0	16	1236	A -7 907
20		8.2A	46 52.808	0.0008	13	-3 52 5.81	-0.010	13	0.27	52.795	16	33.8	5.65	16	33.8	F0	17	1282	A -4 949
21		7.9A	46 55.356	-0.0017	11	-9 5 42.94	-0.006	12	0.24	55.383	16	33.8	42.84	16	33.8	A2	16	1237	A -9 995
22		8.8A	46 58.000	-0.0009	09	-0 43 0.30	-0.020	11	0.22	58.012	17	37.0	0.03	17	37.0	K0	21	1095	A -0 782
23		8.4A	47 3.953	0.0000	12	-8 12 11.96	0.030	12	0.25	3.952	16	33.8	12.44	16	33.8	K2	16	1238	A -8 948
24		8.9A	47 13.424	-0.0019	13	-8 40 4.22	-0.019	13	0.27	13.455	16	33.8	3.91	16	33.8	A0	16	1240	A -8 949
25		8.6A	47 14.673	-0.0017	12	-6 43 37.45	-0.039	12	0.25	14.700	16	33.8	36.83	16	33.8	G5	16	1239	A -6 999
26		7.9A	47 15.977	-0.0013	13	-6 30 7.09	-0.026	13	0.27	15.998	16	33.8	6.68	16	33.8	G5	16	1241	A -6 1000
27		8.9A	47 17.690	-0.0009	12	-9 0 21.40	-0.014	12	0.25	17.705	16	33.8	21.17	16	33.8	K0 R	16	1242	A -9 998
28		8.2A	47 23.887	-0.0013	09	-2 33 44.53	0.003	09	0.22	23.909	16	33.8	44.58	16	33.8	F0	17	1284	A -2 1032
29		9.2A	47 36.599	-0.0025	13	-8 43 31.22	-0.009	13	0.27	36.637	16	33.8	31.07	16	33.8	K0 R	16	1243	A -8 951
30		8.9A	47 38.258	-0.0009	11	-8 38 40.44	-0.033	11	0.23	38.274	16	33.8	39.91	16	33.8	G5	16	1244	A -8 952
31		8.5A	47 42.352	-0.0014	11	-5 17 47.58	-0.003	11	0.23	42.374	16	33.8	47.53	16	33.8	K5	17	1285	A -5 1050
32		9.2A	47 43.033	0.0012	13	-5 22 23.98	0.025	13	0.27	43.012	16	33.8	24.38	16	33.8		17	1286	A -5 1051
33		7.3A	47 58.383	-0.0006	13	-3 56 59.21	-0.014	13	0.27	58.393	16	33.8	58.99	16	33.8	K0	17	1287	A -4 954
34		8.5A	48 1.571	-0.0008	13	-3 0 38.25	0.012	13	0.27	1.584	16	33.8	38.45	16	33.8	K0	17	1288	A -3 903
35		9.0A	48 3.995	0.0001	09	-1 0 43.04	-0.036	11	0.22	3.993	17	37.0	42.56	17	37.0	F8 R	21	1099	A -1 734
36		8.4A	48 8.636	-0.0007	11	-4 12 20.44	0.008	11	0.23	8.647	16	33.8	20.57	16	33.8	A0	17	1289	A -4 955
37		9.0A	48 11.445	0.0012	12	-7 1 0.27	-0.057	12	0.25	11.425	16	33.8	59.36	16	33.8	K0 R	16	1245	A -7 911
38		7.3A	48 15.701	0.0005	09	-0 10 42.62	-0.096	11	0.22	15.695	17	37.0	42.13	17	37.0	K0	21	1101	A -0 785
39		9.0A	48 18.891	0.0004	09	-0 45 6.03	-0.017	11	0.22	18.886	17	37.0	5.81	17	37.0	F5 R	21	1102	A -0 786
40		8.6A	48 20.842	-0.0018	13	-9 38 2.07	0.009	13	0.27	20.872	16	33.8	2.22	16	33.8	A5	16	1246	A -9 1002
41		8.3A	48 34.467	-0.0013	12	-8 16 15.01	-0.018	12	0.25	34.488	16	33.8	14.73	16	33.8	K5	16	1248	A -8 956
42		8.8A	48 34.782	-0.0020	13	-5 42 32.61	0.003	13	0.27	34.815	16	33.8	32.67	16	33.8	F8	17	1290	A -5 1059
43		8.2A	48 55.176	0.0002	09	-0 37 49.05	-0.011	11	0.22	55.174	17	37.0	48.91	17	37.0	A2	21	1104	A -0 788
44		8.3A	48 59.159	-0.0017	11	-3 13 40.62	-0.064	11	0.23	59.186	16	33.8	39.39	16	33.8	G5	17	1291	A -3 908
45		7.3A	49 0.969	-0.0011	13	-3 44 34.39	0.014	13	0.27	0.987	16	33.8	34.62	16	33.8	K2	17	1292	A -3 909
46		8.5A	49 6.666	-0.0020	12	-3 1 59.10	-0.002	12	0.25	6.699	16	33.8	59.07	16	33.8	K0	17	1293	A -3 911
47		8.8A	49 7.144	0.0012	09	-0 10 12.40	0.024	11	0.22	7.128	17	37.0	12.71	17	37.0	K0 R	21	1105	A -0 789
48		8.3G	49 13.628	-0.0014	10	-5 27 31.39	0.007	09	0.45	13.890	17	05.4	31.69	17	03.4	A0	GC	5930	-5 1062
49		7.5A	49 16.253	-0.0013	12	-8 29 4.61	0.007	12	0.25	16.273	16	33.8	4.73	16	33.8	A0	16	1250	A -8 960
50		8.9A	49 31.236	-0.0008	09	-5 23 11.37	-0.061	09	0.22	31.250	16	33.8	10.54	16	33.8	G0 R	17	1295	A -5 1063
51		8.9A	4 49 31.760	-0.0020	12	-6 54 48.21	0.004	12	0.25	31.792	16	33.8	48.28	16	33.8	A5	16	1252	A -7 915
52		8.9A	49 33.318	-0.0010	12	-3 47 4.06	0.000	12	0.25	33.335	16	33.8	4.06	16	33.8	K0 F	17	1296	A -3 914
53		8.8A	49 35.226	0.0000	09	-0 2 6.85	0.001	11	0.22	35.226	17	37.0	6.86	17	37.0	K0	21	1109	A -0 790
54		8.6A	49 46.862	0.0009	13	-2 41 46.14	-0.007	13	0.27	46.849	16	33.8	46.03	16	33.8	K0	17	1297	A -2 1049
55		8.9A	49 47.527	-0.0023	12	-7 54 12.96	0.030	12	0.25	47.565	16	33.8	13.44	16	33.8	K0 R	16	1253	A -8 962
56		8.9A	49 50.523	-0.0004	09	-4 51 54.25	0.015	09	0.22	50.530	16	33.8	54.50	16	33.8	F8 F	17	1299	A -5 1065
57		8.0A	49 51.940	-0.0037	13	-3 15 18.45	-0.006	13	0.27	51.999	16	33.8	18.36	16	33.8	A0	17	1298	A -3 917
58		8.1A	49 54.827	0.0002	12	-7 58 40.07	-0.030	11	0.24	54.823	16	33.8	39.59	16	33.8	A0	16	1254	A -8 963
59		8.7A	49 55.482	-0.0010	13	-8 46 6.52	0.039	13	0.27	55.498	16	33.8	7.15	16	33.8	F8	16	1256	A -8 964
60		7.5A	49 55.880	-0.0015	12	-7 47 29.94	-0.032	12	0.25	55.903	16	33.8	29.42	16	33.8	G5	16	1255	A -7 917
61		9.1A	49 55.937	-0.0026	09	-0 2 48.73	-0.004	11	0.22	55.971	17	37.0	48.68	17	37.0	G0 R	21	1111	A -0 792
62		8.9A	49 56.485	-0.0008	09	-1 6 33.97	-0.005	11	0.22	56.491	17	37.0	33.90	17	37.0	F0	21	1112	A -1 742
63		8.1G	50 18.307	-0.0026	09	-5 22 6.25	-0.008	08	0.45	18.435	15	00.7	5.82	15	99.9	F8	GC	5952K	B* -5 1067
64		8.5A	50 19.311	0.0005	12	-6 26 23.39	0.005	12	0.25	19.303	16	33.8	23.47	16	33.8	A2	16	1257	A -6 1011
65		8.4A	50 19.533	-0.0015	12	-7 44 0.86	0.011	12	0.25	19.556	16	33.8	1.04	16	33.8	A3	16	1259	A -7 919
66		9.0A	50 20.869	0.0016	12	-6 22 9.41	-0.018	12	0.25	20.843	16	33.8	9.13	16	33.8	F8 R	16	1258	A -6 1012
67		8.7A	50 22.317	-0.0010	11	-8 44 15.94	0.000	11	0.23	22.333	16	33.8	15.94	16	33.8	A0	16	1260	A -8 966
68		4.5T	50 26.131	-0.0016	02	-5 32 5.45	0.022	02	0.15	26.211	09	00.1	6.59	07	99.2	F0	GC	5954	B* -5 1068
69		8.4G	50 32.190	0.0002	08	-1 20 45.60	-0.022	04	0.34	32.181	15	08.0	44.38	15	95.9	A	GC	5955	-1 743
70		8.5A	50 32.416	-0.0016	09	-1 21 25.88	-0.003	11	0.22	32.437	17	37.0	25.84	17	37.0	A	21	1115	A -1 744
71		7.9A	50 41.998	-0.0039	11	-9 38 16.65	0.013	11	0.23	42.060	16	33.8	16.86	16	33.8	K2	16	1261	A -9 1013
72		9.0A	50 45.361	-0.0009	09	-1 50 31.61	0.019	09	0.22	45.377	16	33.8	31.92	16	33.8	G0 R	17	1302	A -2 1052
73		8.3A	50 47.273	-0.0009	13	-2 40 59.23	0.002	13	0.27	47.289	16	33.8	59.27	16	33.8	K0	17	1303	A -2 1053
74		8.7A	50 51.240	0.0080	12	-6 26 3.87	0.014	12	0.25	51.143	16	33.8	4.11	16	33.8	G5	16	1262	A -6 1015
75		8.9A	50 52.198	-0.0015	13	-8 0 51.85	-0.025	12	0.26	52.219	16	33.8	51.45	16	33.8	G5 R	16	1263	A -8 970
76		8.4A	50 54.281	-0.0014	11	-3 53 49.19	0.014	11	0.23	54.304	16	33.8	49.42	16	33.8	A5	17	1304	A -4 966
77		8.8A	51 0.709	-0.0025	09	-1 51 12.02	0.014	11	0.22	0.742	17	37.0	12.21	17	37.0	G5	21	1120	A -2 1054
78		8.9A	51 4.859	-0.0018	11	-8 58 34.62	0.009	11	0.23	4.889	16	33.8	34.77	16	33.8	K2	16	1264	A -9 1016
79		9.1A	51 16.107	-0.0007	12	-9 43 52.98	0.011	12	0.25	16.119	16	33.8	53.16	16	33.8	F0	16	1265	A -9 1018
80		9.3A	51 33.465	-0.0013	12	-8 25 12.57	0.018	12	0.25	33.486	16	33.8	12.86	16	33.8	A3	16	1266	A -8 971
81		9.2A	51 35.405	-0.0001	09	-1 14 29.22	-0.010	11	0.22	35.406	17	37.0	29.08	17	37.0	G0 R	21	1123	A -1 748
82		8.6A	51 40.207	-0.0013	09	-1 48 21.73	0.001	11	0.22	40.225	17	37.0	21.75	17	37.0	K2	21	1124	A -1 749
83		8.5A	51 48.937	-0.0007	12	-6 40 1.89	-0.010	12	0.25	48.948	16	33.8	1.74	16	33.8	B9	16	1267	A -6 1019
84		8.8A	51 52.456	-0.0006	13	-3 46 58.16	-0.021	13	0.27	52.466	16	33.8	57.83	16	33.8	F5 F	17	1307	A -3 927
85		9.0A	51 52.804	-0.0021	09	-0 16 33.86	-0.014	11	0.22	52.832	17	37.0	33.68	17	37.0	F2 R	21	1125	A -0 796
86		9.0A	51 56.252	-0.0004	13	-1 59 52.64	-0.014	13	0.27	56.259	16	33.8	52.42	16	33.8	K0 R	17	1308	A -2 1060
87		6.8T	51 57.767	0.0008	11	-3 18 21.99	-0.017	09	0.58	57.722	17	92.9	21.03	17	92.3	F5	GC	5982	-3 928
88		7.8A	51 59.601	0.0008	13	-5 30 2.17	-0.001	13	0.27	59.587	16	33.8	2.16	16	33.8	K0	17	1310	A -5 1079
89		8.6A	52 3.716	-0.0032	09	-1 52 30.04	0.025	11	0.22	3.758	17	37.0	30.37	17	37.0	K0	21	1129	A -2 1061
90		9.0A	52 11.159	-0.0053	13	-2 58 32.27	-0.049	13	0.27	11.246	16	33.8	31.48	16	33.8	G2 F	17	1312	A -3 930
91		8.5A	52 20.456	-0.0008	12	-9 51 56.79	-0.017	12	0.25	20.469	16	33.8	56.52	16	33.8	A0	16	1268	A -10 1042
92		9.0A	52 24.708	-0.0099	13	-5 9 44.87	0.040	13	0.27	24.867	16	33.8	45.51	16	33.8	F5 F	17	1313	A -5 1081
93		8.4G	52 30.516	-0.0013	09	-0 37 30.65	-0.023	07	0.46	30.580	15	00.4	29.38	15	95.8	A5	GC	5997K	B* -0 799
94		8.8A	52 33.757	-0.0006	13	-2 40 51.91	-0.003	13	0.27	33.767	16	33.8	51.86	16	33.8	A5	17	1314	A -2 1063
95		9.0A	52 42.354	-0.0034	09	-1 1 11.16	0.006	11	0.22	42.398	17	37.0	11.23	17	37.0	K2 R	21	1135	A -1 754
96		9.0A	52 46.908	0.0013	13	-3 56 33.67	-0.118	13	0.27	46.886	16	33.8	31.77	16	33.8	G5 F	17	1315	A -4 973
97		9.0A	52 47.250	-0.0027	13	-4 25 6.72	0.032	13	0.27	47.295	16	33.8	7.24	16	33.8	G5 F	17	1316	A -4 974
98		8.9A	52 47.628	-0.0012	09	-0 10 42.36	0.017	11	0.22	47.642	17	37.0	42.58	17	37.0	G0 R	21	1136	A -0 801
99		8.5A	52 48.927	-0.0025	09	-0 25 53.58	0.014	11	0.22	48.960	17	37.0	53.76	17	37.0	B9	21	1137	A -0 802
00		9.1A	52 49.440	-0.0019	11	-7 32 14.43	0.001	11	0.23	49.471	16	33.8	14.45	16	33.8	K2 R	16	1269	A -7 929

131600

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	SOURCE CAT.	STAR NUMBER	DM NUMBER
1		9.0A	4 52 55.435	-0.0019	09	-1 20 13.87	-0.003	11	0.22	55.459	17	37.0	13.82	17	37.0	K0 R	21	1139	A -1 755
2		9.0A	52 55.809	-0.0007	13	-5 12 42.60	0.007	13	0.27	55.820	16	33.8	42.70	16	33.8	A0	17	1318	A -5 1066
3		9.0A	53 5.220	-0.0018	09	-0 32 7.48	-0.004	11	0.22	5.244	17	37.0	7.42	17	37.0	K5 R	21	1141	A -0 804
4		7.8A	53 7.112	-0.0016	12	-6 11 7.82	-0.054	12	0.25	7.139	16	33.8	6.96	16	33.8	K0	16	1270	A -6 1024
5		8.7A	53 7.153	0.0004	12	-6 31 4.39	-0.002	12	0.25	7.146	16	33.8	4.37	16	33.8	F5	16	1271	A -6 1025
6		8.3A	53 14.330	-0.0007	11	-2 24 59.00	0.027	11	0.23	14.341	16	33.8	59.44	16	33.8	G5	17	1319	A -2 1069
7		8.5A	53 20.819	0.0003	11	-7 58 19.83	0.019	11	0.23	20.814	16	33.8	20.14	16	33.8	A0	16	1272	A -8 978
8		9.0A	53 28.684	-0.0008	09	-1 45 41.41	0.007	11	0.22	28.694	17	37.0	41.50	17	37.0	K0	21	1145	A -1 758
9		8.9A	53 31.245	-0.0022	09	-0 23 8.55	-0.003	11	0.22	31.274	17	37.0	8.51	17	37.0	A2	21	1146	A -0 806
10		8.0A	53 34.747	-0.0013	09	-3 58 54.04	0.016	09	0.22	34.769	16	33.8	54.30	16	33.8	K2	17	1321	A -4 978
11		8.3G	53 37.121	-0.0015	11	-5 24 3.28	0.001	08	0.48	37.189	17	04.2	3.30	17	00.8	B9	GC	6027	-5 1068
12		9.1A	53 39.333	-0.0008	11	-5 6 28.33	0.011	11	0.23	39.345	16	33.8	28.50	16	33.8	A2 F	17	1323	A -5 1090
13		8.5A	53 47.321	-0.0011	13	-1 56 52.06	-0.007	13	0.27	47.340	16	33.8	51.95	16	33.8	A0	17	1324	A -2 1070
14		5.5T	53 56.292	-0.0009	05	-5 14 56.71	-0.006	03	0.16	56.332	06	05.7	56.42	06	04.3	B9	GC	6032	B* -5 1091
15		8.4A	53 58.950	-0.0006	12	-7 6 0.75	-0.031	12	0.25	58.959	16	33.8	0.26	16	33.8	G5	16	1273	A -7 936
16		8.9A	53 59.455	-0.0008	13	-5 9 35.95	0.001	13	0.27	59.467	16	33.8	35.96	16	33.8	G R	17	1326	A -5 1092
17		9.0A	54 0.590	-0.0016	13	-5 14 38.84	0.011	13	0.27	0.616	16	33.8	39.01	16	33.8	B8 F	17	1327	A -5 1093
18		9.0A	54 10.523	-0.0011	09	-3 12 3.72	-0.016	12	0.23	10.542	16	33.8	3.47	16	33.8	F2 F	17	1328	A -3 944
19		8.2A	54 16.370	-0.0016	13	-4 51 30.59	-0.006	13	0.27	16.396	16	33.8	30.50	16	33.8	B9	17	1329	A -5 1095
20		9.0A	54 18.100	-0.0006	12	-4 38 28.80	0.008	12	0.25	18.110	16	33.8	28.93	16	33.8	K0 F	17	1330	A -4 982
21		9.1A	54 27.540	-0.0020	11	-9 55 25.90	-0.040	11	0.23	27.573	16	33.8	25.25	16	33.8	G5	16	1274	A -10 1053
22		6.8T	54 34.439	-0.0007	16	-8 32 9.61	-0.002	16	0.68	34.467	18	09.3	9.54	17	08.2	A5	GC	6042	-8 984
23		9.0A	54 38.340	0.0005	13	-8 47 44.09	0.024	13	0.27	38.333	16	33.8	44.48	16	33.8	F5	16	1277	A -8 985
24		8.3A	54 40.043	0.0009	12	-6 36 31.62	0.010	12	0.25	40.028	16	33.8	31.79	16	33.8	A0	16	1276	A -6 1032
25		6.2T	54 44.806	-0.0030	06	-1 8 37.78	-0.036	06	0.43	44.959	14	98.9	35.95	15	99.8	F2	GC	6043	-1 762
26		9.0A	54 46.735	-0.0009	12	-6 56 12.25	0.005	12	0.25	46.749	16	33.8	12.34	16	33.8	K2 R	16	1278	A -7 938
27		9.1A	54 51.290	-0.0016	13	-5 49 38.02	0.010	13	0.27	51.316	16	33.8	38.19	16	33.8	A0 R	17	1331	A -5 1099
28		8.5A	54 53.339	-0.0013	13	-9 29 43.61	0.004	13	0.27	53.361	16	33.8	43.68	16	33.8	K0	16	1279	A -9 1032
29		9.0A	54 54.370	-0.0003	13	-9 21 54.38	-0.015	13	0.27	54.375	16	33.8	54.14	16	33.8	F0	16	1280	A -9 1033
30		8.7A	54 59.381	0.0006	12	-6 29 44.04	-0.003	12	0.25	59.371	16	33.8	44.00	16	33.8	K0	16	1281K	A -6 1034
31		9.0A	55 10.967	0.0022	13	-5 49 29.17	-0.003	13	0.27	10.930	16	33.8	29.13	16	33.8	F0	17	1332	A -5 1102
32		9.0A	55 15.976	-0.0008	09	-1 35 16.26	-0.008	11	0.22	15.987	17	37.0	16.16	17	37.0	A0	21	1154	A -1 763
33		8.7A	55 16.896	-0.0023	13	-6 4 17.84	0.031	13	0.27	16.933	16	33.8	18.35	16	33.8	G5 R	16	1283	A -6 1035
34		8.0A	55 19.935	0.0005	13	-4 43 50.07	-0.009	13	0.27	19.827	16	33.8	49.93	16	33.8	G5	17	1333	A -4 987
35		7.3A	55 27.577	0.0003	12	-6 10 40.67	-0.044	12	0.25	27.572	16	33.8	39.97	16	33.8	K0	16	1284	A -6 1038
36		8.9A	55 27.862	-0.0035	13	-5 27 7.90	-0.111	13	0.27	27.918	16	33.8	6.10	16	33.8	F	17	1334	A -5 1105
37		9.1A	55 34.540	-0.0011	12	-8 7 52.01	-0.011	09	0.23	34.558	16	33.8	51.84	16	33.8	F2	16	1285	A -8 989
38		9.2A	55 35.274	-0.0050	21	-9 46 19.93	-0.017	22	0.39	35.356	18	33.8	19.65	16	33.8	K7 J	11	1265	A -9 1038
39		9.0A	55 39.592	-0.0015	09	-0 23 27.84	0.008	11	0.22	39.611	17	37.0	27.94	17	37.0	A5 R	21	1156	A -0 810
40		6.4T	55 39.603	-0.0005	09	-2 17 18.23	0.026	10	0.50	39.630	14	98.8	19.59	15	98.8	A0	GC	6060K	-2 1080
41		8.6A	55 40.505	-0.0015	09	-0 37 52.71	0.013	11	0.22	40.524	17	37.0	52.88	17	37.0	A3	21	1157	A -0 811
42		8.8A	55 42.741	-0.0006	12	-9 50 10.41	0.007	12	0.25	42.750	16	33.8	10.53	16	33.8	G0	16	1286	A -9 1039
43		9.0A	55 43.968	-0.0012	12	-5 19 38.26	0.011	12	0.25	43.987	16	33.8	38.43	16	33.8	A	17	1337	A -5 1109
44		8.9A	55 48.482	-0.0004	12	-9 45 4.51	0.000	12	0.25	48.489	16	33.8	4.51	16	33.8	F5	16	1287	A -9 1040
45		7.0T	55 56.475	0.0044	13	-3 48 33.40	0.004	15	0.73	56.250	18	98.7	33.61	18	01.4	F5	GC	6067	-3 953
46		8.4A	56 2.290	0.0014	13	-4 30 0.87	-0.001	13	0.27	2.268	16	33.8	0.86	16	33.8	K0	17	1339	A -4 988
47		9.2A	56 5.208	-0.0023	09	-1 29 11.28	0.018	11	0.22	5.238	17	37.0	11.51	17	37.0	A5 R	21	1160	A -1 764
48		9.0A	56 6.528	-0.0015	09	-0 46 35.19	0.019	11	0.22	6.547	17	37.0	35.43	17	37.0	K0 R	21	1161	A -0 815
49		8.2A	56 8.236	-0.0001	12	-4 38 3.19	-0.021	12	0.25	8.238	16	33.8	2.85	16	33.8	B9	17	1340	A -4 990
50		8.7A	56 10.923	-0.0006	12	-7 59 21.46	-0.014	12	0.25	10.932	16	33.8	21.24	16	33.8	A3	16	1288	A -8 994
51		8.1A	4 56 12.705	-0.0036	13	-9 24 28.95	-0.102	13	0.27	12.764	16	33.8	27.30	16	33.8	G0	16	1290	A -9 1042
52		9.0A	56 14.377	-0.0019	09	-1 2 8.24	0.009	11	0.22	14.402	17	37.0	8.35	17	37.0	G0	21	1162	A -1 765
53		8.7A	56 15.883	-0.0003	12	-6 20 52.22	-0.040	12	0.25	15.878	16	33.8	51.58	16	33.8	F5	16	1289	A -6 1040
54		9.4A	56 16.967	-0.0062	09	-1 2 43.64	-0.028	11	0.22	17.048	17	37.0	43.28	17	37.0	G5 R	21	1163	A -1 767
55		9.0A	56 19.358	-0.0026	09	-0 17 44.43	-0.024	11	0.22	19.392	17	37.0	44.12	17	37.0	K0 R	21	1164	A -0 816
56		9.0A	56 22.440	-0.0010	09	-3 52 30.87	0.014	09	0.22	22.457	16	33.8	31.10	16	33.8	A0	17	1341	A -4 992
57		7.8A	56 34.506	-0.0019	09	-2 12 40.93	0.015	09	0.22	34.538	16	33.8	41.18	16	33.8	A2	17	1342	A -2 1083
58		8.5A	56 48.802	-0.0011	13	-4 40 12.70	-0.021	13	0.27	48.821	16	33.8	12.36	16	33.8	F0	17	1343	A -4 995
59		8.1A	56 53.112	-0.0016	13	-7 51 19.89	-0.008	13	0.27	53.138	16	33.8	19.76	16	33.8	K5	16	1291	A -8 998
60		8.1A	56 55.881	-0.0013	13	-4 15 53.22	0.021	13	0.27	55.902	16	33.8	53.57	16	33.8	K5	17	1345	A -4 996
61		9.0A	56 56.570	-0.0013	13	-5 51 10.63	-0.018	13	0.27	56.591	16	33.8	10.35	16	33.8	A2	17	1346	A -6 1044
62		8.8A	56 57.803	0.0008	13	-2 8 26.34	0.003	13	0.27	57.791	16	33.8	26.39	16	33.8	B9	17	1344	A -2 1088
63		8.8A	57 0.298	-0.0026	13	-9 11 25.83	0.022	13	0.27	0.340	16	33.8	26.19	16	33.8	K0	16	1293	A -9 1044
64		7.1A	57 3.216	0.0000	13	-9 14 24.87	0.014	13	0.27	3.215	16	33.8	25.10	16	33.8	A2	16	1294	A -9 1045
65		9.1A	57 18.283	-0.0007	13	-3 40 41.91	-0.008	13	0.27	18.295	16	33.8	41.79	16	33.8	F5	17	1347	A -3 964
66		8.7A	57 18.497	0.0008	13	-4 26 7.06	0.022	13	0.27	18.484	16	33.8	7.42	16	33.8	K5	17	1348	A -4 998
67		8.7A	57 22.989	-0.0009	11	-5 13 40.75	-0.002	13	0.25	23.003	16	33.8	40.71	16	33.8	B9	17	1349	A -5 1114
68		8.8A	57 25.807	-0.0029	13	-9 2 29.39	-0.008	13	0.27	25.853	16	33.8	29.26	16	33.8	F8	16	1295	A -9 1046
69		8.6A	57 29.019	-0.0005	13	-7 53 44.78	-0.004	13	0.27	29.027	16	33.8	44.72	16	33.8	B9	16	1296	A -8 1000
70		8.7A	57 31.622	-0.0002	13	-2 50 44.51	-0.006	13	0.27	31.626	16	33.8	44.42	16	33.8	K0	17	1350	A -2 1092
71		9.0A	57 35.533	-0.0021	11	-8 10 14.39	0.031	11	0.23	35.567	16	33.8	14.90	16	33.8	K0	16	1297	A -8 1001
72		7.8A	57 41.474	-0.0002	09	-0 16 1.17	0.003	11	0.22	41.477	17	37.0	1.21	17	37.0	F2	21	1167	A -0 818
73		9.1A	57 44.507	-0.0040	13	-3 47 27.15	-0.022	13	0.27	44.572	16	33.8	26.80	16	33.8	G0 F	17	1352	A -3 966
74		8.3A	57 44.725	-0.0003	12	-2 0 43.77	-0.004	12	0.25	44.731	16	33.8	43.71	16	33.8	K0	17	1351	A -2 1094
75		8.1A	57 45.195	0.0010	12	-6 22 26.78	0.015	12	0.25	45.179	16	33.8	27.03	16	33.8	B9	16	1298	A -6 1051
76		9.0A	57 48.219	-0.0018	13	-5 16 46.02	-0.004	13	0.27	48.247	16	33.8	45.95	16	33.8	A2	17	1353	A -5 1118
77		8.3A	57 53.076	0.0002	12	-6 15 54.71	-0.008	12	0.25	53.072	16	33.8	54.59	16	33.8	G5	16	1299	A -6 1052
78		9.0A	57 53.079	-0.0027	13	-5 7 47.42	0.006	13	0.27	53.122	16	33.8	47.51	16	33.8	M1 F	17	1354	A -5 1119
79		8.7A	57 54.374	-0.0013	12	-8 4 56.79	0.009	12	0.25	54.395	16	33.8	56.94	16	33.8	K2	16	1300	A -8 1003
80		8.5A	57 55.330	-0.0014	13	-8 42 57.91	-0.009	13	0.27	55.352	16	33.8	57.77	16	33.8	A0	16	1301	A -8 1004
81		9.0A	58 0.678	-0.0012	14	-0 4 2.70	0.016	14	0.25	0.694	17	37.0	2.90	17	37.0	F0 R	21	1170	A* -0 819
82		8.5A	58 2.247	-0.0021	13	-8 21 52.56	-0.022	13	0.27	2.280	16	33.8	52.21	16	33.8	F0	16	1302	A -8 1005
83		8.9A	58 8.028	-0.0024	09	-0 6 53.17	0.007	11	0.22	8.060	17	37.0	53.26	17	37.0	A2	21	1172	A -0 820
84		6.3T	58 8.456	-0.0016	11	-2 8 18.72	0.009	12	0.69	8.548	15	93.2	19.24	17	94.8	A5	GC	6115	-2 1095
85		9.0A	58 9.282	-0.0001	09	-0 45 17.04	-0.016	11	0.22	9.284	17	37.0	16.82	17	37.0	K0 R	21	1173	A -0 821
86		9.0A	58 15.642	-0.0001	09	-0 34 24.64	0.001	11	0.22	15.644	17	37.0	24.64	17	37.0	A0	21	1174	A -0 823
87		9.1A	58 18.625	-0.0013	12	-7 36 15.11	0.011	12	0.25	18.645	16	33.8	15.29	16	33.8	A2	16	1304	A -7 947
88		6.5T	58 19.948	0.0369	12	-5 48 38.37	-1.091	11	0.65	17.882	12	94.0	-35.45	12	92.3	K0	GC	6120	B* -5 1123
89		8.8A	58 21.635	-0.0008	13	-4 31 12.21	0.013	13	0.27	21.648	16	33.8	12.43	16	33.8	A2	17	1359	A -4 1002
90		9.0A	58 22.271	-0.0000	13	-3 20 24.19	0.026	13	0.27	22.271	16	33.8	24.61	16	33.8	A0	17	1358	A -3 973
91		9.2A	58 23.173	0.0009	13	-2 29 27.13	-0.044	13	0.27	23.158	16	33.8	26.42	16	33.8	F8 F	17	1357	A -2 1098
92		9.0A	58 30.570	-0.0038	09	-1 19 29.45	0.018	11	0.22	30.620	17	37.0	29.68	17	37.0	K0 R	21	1177	A -1 774
93		8.8A	58 31.565	-0.0013	11	-5 59 9.40	-0.011	11	0.23	31.586	16	33.8	9.22	16	33.8	K2 R	17	1360	A -6 1058
94		9.0A	58 37.220	-0.0068	09	-0 13 59.10	-0.092	11	0.22	37.308	17	37.0	57.91	17	37.0	F5	21	1178	A -0 825
95		8.7A	58 40.008	-0.0020	12	-9 17 49.06	0.023	12	0.25	40.041	16	33.8	49.43	16	33.8	B9	16	1306	A -9 1050
96		8.9A	58 49.501	-0.0009	12	-9 56 17.38	-0.007	12	0.25	49.516	16	33.8	17.27	16	33.8	K0	16	1307	A -10 1071
97		6.6T	58 52.694	0.0001	09	-0 46 7.11	-0.034	09	0.46	52.689	14	01.5	5.45	15	01.6	A3	GC	6135	-0 826
98		8.7A	58 54.248	-0.0011	12	-8 47 38.03	-0.015	12	0.25	54.267	16	33.8	37.79	16	33.8	K5	16	1309	A -8 1007
99		9.0A	58 57.696	0.0001	13	-5 46 2.36	0.003	13	0.27	57.694	16	33.8	2.41	16	33.8	A5	17	1361	A -5 1124
00		4.8T	59 0.759	-0.0002	03	-7 14 44.98	0.008	03	0.19	0.770	10	93.9	45.45	09	92.8	B8	GC	6138	B* -7 948

- 00 4H

131700

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ s	σ_μ .001"	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ .001"	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ .01	ep.	δ_2 ″	σ' .01	ep.	SP.	SOURCE CAT.	STAR NUMBER	DM NUMBER
1		9.1A	4 59 1.276	0.0002	12	-5 36 15.56	-0.017	12	0.25	1.272	16	33.8	15.30	16	33.8	G5	17	1363	A -5 1126
2		8.5A	59 1.481	0.0020	13	-5 16 58.61	-0.017	13	0.27	1.449	16	33.8	58.33	16	33.8	F5	17	1362	A -5 1125
3		8.9A	59 4.558	-0.0008	13	-3 55 1.01	-0.003	13	0.27	4.571	16	33.8	0.96	16	33.8	G0 R	17	1364	A -4 1009
4		8.0A	59 7.861	-0.0005	11	-2 47 31.24	-0.005	11	0.23	7.870	16	33.8	31.16	16	33.8	A0 R	17	1365	A -2 1104
5		8.9A	59 14.610	-0.0017	12	-7 13 41.58	0.021	12	0.25	14.637	16	33.8	41.92	16	33.8	K0 R	16	1311	A -7 949
6		8.9A	59 17.348	-0.0004	12	-6 42 20.43	-0.012	12	0.25	17.386	16	33.8	20.24	16	33.8	A2	16	1312	A -6 1063
7		8.9A	59 19.980	-0.0008	11	-9 18 39.39	-0.001	11	0.23	19.970	16	33.8	39.37	16	33.8	K2	16	1314	A -9 1081
8		8.8A	59 21.886	-0.0001	12	-7 28 50.78	-0.084	12	0.25	21.968	16	33.8	50.39	16	33.8	A5 R	16	1313	A -7 951
9		8.8A	59 32.193	-0.0010	13	-6 31 0.61	-0.023	13	0.27	32.208	16	33.8	0.24	16	33.8	A2	16	1315	A -6 1064
10		9.0A	59 32.429	-0.0011	12	-2 59 32.65	0.010	12	0.25	32.447	16	33.8	32.82	16	33.8	B8	17	1366	A -3 980
11		6.7T	59 33.478	0.0016	15	-5 34 17.92	-0.026	13	0.80	33.391	17	95.6	16.52	18	95.3	F0	GC	6150	-5 1130
12		8.9A	59 43.288	-0.0013	08	-1 47 23.36	0.009	11	0.22	43.306	17	37.0	23.48	17	37.0	K0 R	21	1182	A -1 778
13		9.0A	59 54.929	-0.0011	13	-5 30 22.15	-0.002	13	0.27	54.947	16	33.8	22.13	16	33.8	K0 R	17	1369	A -5 1132
14	5	7.8A	0 14.266	-0.0013	12	-8 57 52.53	-0.009	12	0.25	14.307	16	33.8	52.39	16	33.8	K0	16	1317	A -8 1055
15		6.1T	0 16.357	0.0033	10	-4 16 48.79	0.017	07	0.46	16.185	15	97.3	49.60	12	02.8	K0	GC	6167	-4 1019
16		8.8A	0 16.730	0.0007	13	-5 46 34.55	0.017	13	0.27	16.719	16	33.8	34.83	16	33.8	A5	17	1372	A -5 1135
17		9.5A	0 21.856	0.0007	13	-1 43 17.88	0.002	13	0.27	21.845	16	33.8	17.92	16	33.8	G0 R	17	1373	A -1 784
18		8.3A	0 24.353	-0.0010	12	-8 16 46.72	0.005	09	0.23	24.369	16	33.8	46.77	16	33.8	B9 R	16	1318	A -8 1011
19		9.2A	0 25.754	-0.0022	09	-1 50 54.61	0.010	11	0.22	25.783	17	37.0	54.75	17	37.0	A2 R	21	1185	A -1 785
20		7.1G	0 38.186	-0.0015	09	-8 43 58.86	-0.007	07	0.44	38.192	17	99.4	58.49	15	94.9	A0	GC	6171K	B* -8 1013
21		8.8A	0 41.328	-0.0003	12	-7 59 16.10	-0.027	12	0.25	41.326	16	33.8	15.67	16	33.8	A0	16	1320	A -8 1014
22		9.5A	0 41.507	-0.0042	15	-1 42 32.22	0.034	13	0.27	41.576	16	33.8	32.76	16	33.8	K0 R	17	1375	A -1 786
23		9.1A	0 44.132	-0.0002	09	-1 45 17.83	-0.087	11	0.22	44.135	17	37.0	17.09	17	37.0	G5 R	21	1186	A -1 787
24		8.9A	0 45.110	0.0051	12	-6 41 49.07	-0.086	12	0.25	45.028	16	33.8	48.17	16	33.8	F8	16	1321	A -6 1071
25		8.5A	0 49.334	-0.0018	12	-7 21 50.86	-0.001	12	0.25	49.362	16	33.8	50.86	16	33.8	K0	16	1322	A -7 961
26		8.3A	0 51.236	-0.0017	11	-3 3 7.54	-0.005	11	0.23	51.263	16	33.8	7.46	16	33.8	B9	17	1376	A -3 985
27		9.0A	1 4.203	-0.0012	13	-3 2 55.19	-0.009	13	0.27	4.223	16	33.8	55.05	16	33.8	A2 R	17	1377	A -3 987
28		8.9A	1 6.909	-0.0015	11	-9 40 18.83	-0.086	11	0.23	6.930	16	33.8	18.41	16	33.8	K0 R	17	1323	A -9 1062
29		9.0A	1 9.683	0.0001	12	-2 35 52.18	0.009	12	0.25	9.682	16	33.8	52.33	16	33.8	K0 R	17	1378	A -2 1110
30		8.7A	1 10.398	-0.0001	13	-5 12 51.54	0.080	13	0.27	10.399	16	33.8	51.86	16	33.8	A0	17	1380	A -5 1138
31		6.9T	1 11.857	0.0009	10	-2 36 33.58	0.006	10	0.57	11.809	15	96.5	33.91	15	98.2	K0	GC	6179K	-2 1111
32		8.5A	1 14.314	0.0016	13	-4 16 28.24	0.010	13	0.27	14.289	16	33.8	28.41	16	33.8	F0	17	1381	A -4 1025
33		9.0A	1 29.630	-0.0022	09	-3 53 54.61	-0.054	09	0.22	29.666	16	33.8	53.94	16	33.8	G0	17	1382K	A -3 982
34		8.4A	1 32.983	0.0002	09	-0 42 57.13	-0.148	11	0.22	32.981	17	37.0	55.21	17	37.0	G5	21	1187	A -0 835
35		8.4A	1 33.532	-0.0005	13	-3 55 11.23	-0.022	13	0.27	33.536	16	33.8	10.88	16	33.8	F8	17	1384	A -6 1073
36		8.5A	1 47.384	0.0017	11	-3 28 23.94	-0.016	11	0.23	47.298	16	33.8	23.69	16	33.8	G5	17	1385	A -3 993
37		8.8A	1 50.399	-0.0010	12	-2 44 49.08	-0.009	12	0.25	50.416	16	33.8	48.94	16	33.8	F0	17	1386	A -2 1117
38		6.7T	1 51.142	-0.0002	13	-6 5 59.63	-0.002	13	0.80	51.152	15	98.8	59.55	15	99.8	B9	GC	6199K	B* -6 1075
39		9.1A	1 57.554	0.0008	12	-8 18 6.10	-0.049	12	0.25	57.551	16	33.8	5.32	16	33.8	F0	16	1326	A -8 1019
40		8.5A	2 19.856	-0.0016	09	-1 27 4.39	-0.031	11	0.22	19.877	17	37.0	3.99	17	37.0	K2 R	21	1189	A -1 793
41		9.1A	2 20.527	-0.0008	13	-8 25 46.83	0.002	13	0.27	20.540	16	33.8	46.86	16	33.8	A0	16	1327	A -8 1021
42		6.0T	2 24.289	-0.0005	05	-3 6 28.64	0.001	05	0.23	24.282	07	07.4	26.70	07	09.3	B8	GC	6206	B* -3 998
43		9.0A	2 27.259	-0.0000	12	-8 21 42.83	-0.053	11	0.24	27.259	16	33.8	41.98	16	33.8	G0	16	1328	A -8 1022
44		8.9A	2 28.344	-0.0016	12	-3 58 57.04	-0.006	12	0.25	28.370	16	33.8	56.95	16	33.8	G5	17	1388	A -4 1032
45		9.0A	2 28.438	-0.0007	09	-1 30 58.53	0.013	11	0.22	28.447	17	37.0	58.70	17	37.0	F5 R	21	1190	A -1 794
46		8.4A	2 30.012	-0.0022	09	-1 14 53.79	-0.023	11	0.22	30.041	17	37.0	53.49	17	37.0	K R	21	1191	A -1 795
47		8.6A	2 31.887	-0.0010	09	-1 22 44.24	-0.000	11	0.22	31.901	17	37.0	44.24	17	37.0	B9	21	1192	A -1 796
48		8.6A	2 35.840	-0.0008	12	-8 37 31.24	-0.002	12	0.25	35.854	16	33.8	31.21	16	33.8	A0	16	1329	A -8 1023
49		8.5A	2 36.757	0.0008	13	-3 44 14.84	-0.012	13	0.27	36.744	16	33.8	14.65	16	33.8	A2	17	1389	A -3 999
50		9.0A	2 39.153	-0.0016	09	-4 44 51.93	-0.008	09	0.22	39.180	16	33.8	51.81	16	33.8	K2 R	17	1390	A -4 1035
51	5	8.9A	2 44.844	-0.0004	12	-8 21 51.03	0.006	12	0.25	44.850	16	33.8	51.13	16	33.8	F0	16	1331	A -8 1025
52		9.0A	2 50.606	-0.0008	13	-3 32 50.13	0.013	13	0.27	50.619	16	33.8	50.35	16	33.8	K5 R	17	1391	A -3 1001
53		9.0A	3 6.093	-0.0005	09	-2 39 55.38	-0.018	09	0.22	6.102	16	33.8	55.09	16	33.8	F8 R	17	1392	A -2 1127
54		8.5A	3 6.603	-0.0011	11	-9 53 37.45	0.002	11	0.23	6.621	16	33.8	37.49	16	33.8	A0	16	1332	A -10 1090
55		9.1A	3 8.090	-0.0003	09	-3 26 48.73	0.011	09	0.22	8.084	16	33.8	48.91	16	33.8	G5 R	17	1393	A -3 1002
56		8.7A	3 15.880	-0.0014	13	-3 10 19.29	-0.006	13	0.27	15.903	16	33.8	19.20	16	33.8	F8 R	17	1394	A -3 1003
57		8.9A	3 16.144	-0.0022	13	-6 1 58.36	-0.029	13	0.27	16.179	16	33.8	57.92	16	33.8	A0 R	17	1395	A -6 1084
58		8.2A	3 20.063	0.0003	12	-9 29 50.17	0.002	12	0.25	20.057	16	33.8	50.21	16	33.8	F5	16	1335	A -9 1074
59		8.3A	3 20.851	0.0008	12	-6 52 7.46	-0.011	12	0.25	20.838	16	33.8	7.67	16	33.8	K	16	1334	A -7 970
60		8.6A	3 21.254	0.0005	09	-1 52 25.09	-0.003	09	0.22	21.247	16	33.8	25.04	16	33.8	G5	17	1396	A -2 1130
61		9.2A	3 21.685	-0.0012	12	-8 34 15.12	0.012	12	0.25	21.705	16	33.8	15.32	16	33.8	A2 R	16	1336	A -8 1029
62		9.6A	3 28.685	-0.0015	17	-9 57 21.20	-0.012	18	0.33	28.710	18	33.4	21.00	16	33.4	G0 J	11	1312	A -10 1092
63		7.9A	3 37.850	-0.0022	09	-1 18 36.16	-0.003	11	0.22	37.878	17	37.0	36.12	17	37.0	G5	21	1198	A -1 800
64		9.5A	3 39.145	-0.0005	12	-6 55 24.76	0.028	13	0.26	39.155	16	33.8	25.21	16	33.8	G R	16	1337	A -7 972
65		9.5A	3 39.896	-0.0016	12	-6 55 20.48	-0.041	13	0.26	39.922	16	33.8	19.82	16	33.8	G R	16	1338	A -7 972
66		8.0A	3 43.261	-0.0007	11	-3 33 3.45	-0.006	11	0.23	43.272	16	33.8	3.36	16	33.8	B9	17	1397	A -3 1010
67		9.1A	3 51.110	-0.0010	12	-9 58 3.20	0.003	12	0.25	51.125	16	33.8	3.25	16	33.8	F8	16	1339	A -10 1095
68		9.0A	3 51.171	0.0000	13	-5 40 20.20	-0.011	13	0.27	51.171	16	33.8	40.03	16	33.8	K0 R	17	1398	A -5 1151
69		9.0A	3 57.612	0.0008	12	-6 22 47.65	-0.010	12	0.25	57.599	16	33.8	47.50	16	33.8	A2	16	1340	A -6 1086
70		8.7A	3 57.646	-0.0005	13	-3 26 58.59	0.012	13	0.27	57.651	16	33.8	58.79	16	33.8	F0	17	1399	A -3 1011
71		9.0A	3 58.294	-0.0009	12	-7 47 54.01	0.003	12	0.25	58.308	16	33.8	54.07	16	33.8	A0	16	1341	A -7 974
72		9.0A	4 2.590	-0.0022	13	-5 57 35.85	0.017	13	0.27	2.825	16	33.8	36.14	16	33.8	F8 R	17	1400	A -6 1087
73		9.0A	4 2.823	-0.0008	12	-8 57 47.68	0.011	12	0.25	2.836	16	33.8	47.86	16	33.8	K0 R	16	1342	A -9 1075
74		8.8A	4 3.412	0.0002	13	-9 45 18.18	0.051	13	0.27	3.410	16	33.8	19.01	16	33.8	F8 R	16	1343	A -9 1076
75		8.3A	4 14.741	-0.0002	12	-4 33 38.58	0.005	12	0.25	14.744	16	33.8	38.67	16	33.8	K5	17	1401	A -4 1042
76		8.9A	4 15.512	-0.0021	13	-4 18 45.11	-0.001	13	0.27	15.546	16	33.8	45.10	16	33.8	M0 R	17	1402	A -4 1043
77		5.2T	4 17.220	0.0007	04	-4 43 13.98	0.009	03	0.21	17.185	12	99.8	14.42	09	00.7	B9 R	GC	6249K	B* -4 1044
78		9.0A	4 17.613	-0.0004	09	-1 28 10.94	0.007	11	0.22	17.618	17	37.0	11.03	17	37.0	K0 R	21	1200	A -1 803
79		9.0A	4 19.710	-0.0027	13	-9 41 32.38	-0.035	13	0.27	19.753	16	33.8	31.82	16	33.8	F5	16	1344	A -9 1078
80		7.2T	4 27.388	0.0038	07	-5 13 50.14	-0.084	06	0.39	27.170	14	98.6	48.84	14	96.4	F5	GC	6252	-5 1156
81		8.7A	4 28.154	-0.0004	12	-9 55 42.41	-0.007	12	0.25	28.161	16	33.8	42.30	16	33.8	F0	16	1345	A -10 1099
82		9.2A	4 32.907	-0.0004	12	-8 36 58.46	-0.028	09	0.23	32.914	16	33.8	58.01	16	33.8	A2 R	16	1346	A -8 1033
83		8.5A	4 42.081	-0.0005	12	-3 33 39.96	-0.002	12	0.25	42.090	16	33.8	39.93	16	33.8	B8	17	1406	A -3 1014
84		9.0A	4 42.518	0.0009	13	-3 10 27.72	-0.080	13	0.27	42.503	16	33.8	27.40	16	33.8	F5	17	1405	A -3 1015
85		9.0A	4 43.669	-0.0023	13	-9 12 30.15	-0.001	13	0.27	43.706	16	33.8	30.13	16	33.8	F8 R	16	1347	A -9 1079
86		8.8A	4 43.953	-0.0011	12	-2 17 32.12	0.012	12	0.25	43.972	16	33.8	32.32	16	33.8	M0 R	17	1407	A -2 1136
87		8.4A	4 52.070	0.0001	09	-0 51 51.29	-0.009	11	0.22	52.089	17	37.0	51.17	17	37.0	K0	21	1203	A -0 849
88		8.5A	4 55.540	-0.0018	13	-4 16 55.28	-0.036	13	0.27	55.570	16	33.8	54.67	16	33.8	F8	17	1408	A -4 1049
89		9.0A	4 59.436	-0.0007	12	-3 22 33.66	-0.005	12	0.25	59.448	16	33.8	33.74	16	33.8	B9	17	1409	A -3 1017
90		9.0A	5 0.348	0.0000	09	-1 33 15.75	0.013	11	0.22	0.348	17	37.0	15.90	17	37.0	K5 R	21	1204	A -1 805
91		6.9T	5 2.532	-0.0006	10	-8 43 5.33	-0.007	10	0.60	2.565	21	95.8	4.96	18	94.4	B8 R	GC	6266	-8 1035
92		9.0A	5 15.376	0.0000	13	-5 33 4.57	-0.021	13	0.27	15.376	16	33.8	4.24	16	33.8	F5 R	17	1410	A -5 1161
93		8.5A	5 21.763	-0.0011	12	-9 55 45.62	-0.023	12	0.25	21.780	16	33.8	45.25	16	33.8	A0	16	1349	A -10 1101
94		2.9H	5 23.365	-0.0067	01	-5 8 58.54	-0.060	01	0.04	23.613	02	13.1	55.47	02	11.8	A5	F4	186	-5 1162
95		9.0A	5 24.537	-0.0015	12	-2 59 10.58	-0.006	12	0.25	24.562	16	33.9	10.46	16	33.9	K0 R	17	1411	A -3 1020
96		8.9A	5 25.946	-0.0005	13	-8 28 47.68	0.016	13	0.27	25.950	16	33.8	47.94	16	33.8	K2 R	16	1350	A -8 1036
97		8.8A	5 29.388	-0.0039	09	-0 55 48.72	0.024	11	0.22	29.417	17	37.0	49.02	17	37.0	F0 R	21	1207	A -1 810
98		8.9A	5 34.425	-0.0020	09	-0 40 20.47	-0.001	11	0.22	34.451	17	37.0	20.45	17	37.0	A3	21	1208	A -0 854
99		8.0A	5 36.908	0.0016	13	-6 16 56.40	-0.022	11	0.25	36.882	16	33.8	56.04	16	33.8	K0	16	1351	A -6 1090
100		8.0A	5 43.742	-0.0010	12	-2 31 19.89	-0.012	12	0.25	43.758	16	33.8	19.50	16	33.8	A5	17	1413	A -2 1142

- 00 4H

131800 — − 00° 5H

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	EPOCH 1950 μ s	σ_μ .001"	EPOCH 1950 δ_{1950} ° ′ ″	EPOCH 1950 μ' ″	$\sigma_{\mu'}$ .001"	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ .01"	ep.	δ_2 ″	σ' .01"	ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	DM NUMBER
1		8.6A	5 5 45.355	-0.0000	13	-9 10 14.56	-0.010	13	0.27	45.355	16	33.8	14.40	16	33.8	AO	16	1352	A -9 1081
2		9.0A	5 49.079	-0.0006	13	-5 20 33.38	-0.010	13	0.27	49.088	16	33.9	33.21	16	33.9	KO R	17	1415	A -5 1166
3		8.5A	5 50.305	-0.0003	13	-2 21 11.68	0.011	13	0.27	50.311	16	33.8	11.86	16	33.8	B9	17	1414	A -2 1144
4		9.0A	5 51.865	0.0006	12	-4 9 17.54	0.009	12	0.25	51.856	16	33.8	17.69	16	33.8	AO	17	1416	A -4 1053
5		8.5A	5 55.219	-0.0016	12	-3 54 11.46	-0.004	12	0.25	55.245	16	33.8	11.40	16	33.8	KO	17	1417	A -4 1054
6		5.7T	5 56.380	-0.0001	04	-8 43 42.83	-0.012	03	0.21	56.385	10	00.5	42.24	09	99.7	B8	GC	6281K	-8 1037
7		8.9A	5 57.765	-0.0005	11	-8 43 36.53	0.014	11	0.23	57.773	16	33.8	36.76	16	33.8		16	1354	A -8 1038
8		8.8A	5 58.851	0.0012	09	-1 35 51.12	0.021	11	0.22	58.835	17	37.0	51.39	17	37.0	KO	21	1213	A -1 811
9		6.9T	6 1.563	-0.0042	12	-2 53 16.10	-0.011	11	0.63	1.786	17	96.8	15.54	18	97.1	F2	GC	6287	-3 1023
10		7.5A	6 2.888	0.0001	13	-3 4 23.80	0.001	13	0.27	2.886	16	33.8	23.82	16	33.8	F8	17	1419	A -3 1024
11		9.0A	6 3.845	0.0002	13	-4 27 36.38	-0.003	13	0.27	3.842	16	33.9	36.34	16	33.9	M0 R	17	1420	A -4 1055
12		8.0A	6 7.751	-0.0007	13	-3 22 8.43	-0.064	13	0.27	7.763	16	33.8	7.40	16	33.8	F2	17	1421	A -3 1025
13		5.2T	6 14.847	0.0026	04	-4 31 10.68	0.018	04	0.21	14.728	12	04.0	11.53	09	03.5	F5	GC	6292	B* -4 1056
14		9.2A	6 19.662	-0.0002	09	-0 57 4.31	-0.004	11	0.22	19.665	17	37.0	4.26	17	37.0	A5 R	21	1215	A -1 813
15		9.4A	6 22.604	-0.0011	13	-1 45 35.52	0.002	13	0.27	22.622	16	33.8	35.56	16	33.8	AO	17	1423	A -1 815
16		8.8A	6 23.854	0.0011	09	-1 17 55.92	0.024	11	0.22	23.840	17	37.0	56.23	17	37.0	K5	21	1216	A -1 814
17		8.5A	6 24.292	-0.0009	13	-2 35 2.49	-0.039	13	0.27	24.308	16	33.8	1.87	16	33.8	KO	17	1424	A -2 1149
18		8.5A	6 26.319	0.0041	13	-2 47 11.97	0.059	13	0.27	26.253	16	33.8	12.93	16	33.8	G5	17	1425	A -2 1150
19		9.0A	6 26.648	-0.0004	13	-5 3 25.93	0.009	13	0.27	26.654	16	33.8	26.07	16	33.8	G0	17	1426	A -5 1168
20		9.0A	6 31.395	-0.0016	13	-2 8 58.88	-0.011	13	0.27	31.421	16	33.8	58.71	16	33.8	A	17	1427	A -2 1151
21		8.8A	6 32.436	0.0007	12	-7 13 44.91	0.005	12	0.25	32.424	16	33.8	45.00	16	33.8	B9	16	1355	A -7 985
22		9.0A	6 38.133	-0.0016	13	-7 47 57.64	0.022	13	0.27	38.159	16	33.8	58.00	16	33.8	F0 R	16	1356	A -7 986
23		8.5A	6 41.996	0.0003	12	-6 30 3.29	0.019	12	0.25	41.990	16	33.8	3.60	16	33.8	B9	16	1357	A -6 1094
24		4.3H	6 45.092	-0.0003	01	-8 49 0.32	-0.004	01	0.06	45.102	03	12.9	0.17	03	10.1	B2	F4	190	-8 1040
25		9.0A	6 51.536	-0.0003	13	-5 16 56.07	-0.019	13	0.27	51.541	16	33.9	55.76	16	33.9	K2 R	17	1428	A -5 1169
26		9.1A	6 51.771	0.0011	11	-8 36 3.28	0.013	11	0.23	51.754	16	33.8	3.49	16	33.8	F8 R	16	1359	A -8 1041
27		9.0A	6 52.853	0.0007	14	-1 33 12.30	0.001	11	0.24	52.844	17	37.0	12.31	17	37.0	AO	21	1217	A* -1 817
28		9.0A	6 56.201	-0.0010	13	-2 25 51.64	-0.001	13	0.27	56.218	16	33.8	51.63	16	33.8	A2	17	1429	A -2 1154
29		6.7T	6 58.396	-0.0007	12	-2 11 50.94	0.017	11	0.62	58.432	15	98.3	51.87	15	97.0	G5	GC	6310	-2 1155
30		8.8A	7 6.923	0.0012	12	-3 59 14.95	-0.002	12	0.25	6.904	16	33.9	14.92	16	33.9	K2 R	17	1431	A -4 1059
31		8.8A	7 10.562	-0.0010	13	-5 36 54.07	-0.030	13	0.27	10.578	16	33.8	53.59	16	33.8	AO	17	1432	A -5 1172
32		8.7A	7 20.877	-0.0002	09	-5 34 37.58	0.015	09	0.22	20.880	16	33.8	37.83	16	33.8	NB	17	1433	A -5 1174
33		8.8A	7 23.147	-0.0010	09	-0 41 13.52	0.027	11	0.22	23.161	17	37.0	13.86	17	37.0	KO R	21	1218	A -0 866
34		6.4T	7 30.169	-0.0002	07	-0 37 34.77	-0.052	07	0.41	30.180	12	95.5	31.91	12	95.3	KO	GC	6322	-0 867
35		8.5A	7 33.857	0.0016	09	-1 12 20.39	-0.073	11	0.22	33.836	17	37.0	19.44	17	37.0	F0	21	1220	A -1 820
36		8.2T	7 36.714	-0.0030	09	-7 7 48.50	-0.246	05	0.37	36.845	15	06.1	35.46	14	96.9	G0	GC	6327K	-7 989
37		8.6A	7 39.044	0.0025	09	-1 54 49.82	-0.015	11	0.22	39.012	17	37.0	49.63	17	37.0	G0	21	1221	A -2 1158
38		7.7T	7 40.353	+0.0021	10	-3 54 49.85	0.001	08	0.53	40.465	15	96.7	49.92	17	96.4	B9	GC	6329	-4 1061
39		9.1A	7 43.528	+0.0006	12	-8 32 36.05	-0.021	12	0.25	43.538	16	33.8	35.71	16	33.8	F2 R	16	1362	A -8 1044
40		8.9A	7 51.855	+0.0010	12	-6 46 58.08	-0.035	12	0.25	51.871	16	33.9	57.52	16	33.9	K0 R	16	1363	A -6 1098
41		8.2B	7 55.788	-0.0032	10	-7 39 9.85	-0.160	08	0.45	55.938	17	02.9	1.92	15	00.3	F8	GC	6334K	B* -7 993
42		9.2A	7 57.577	-0.0005	13	-7 2 44.24	0.020	13	0.27	57.585	16	33.9	44.36	16	33.9	K0 R	16	1365	A -7 991
43		8.8A	8 8.431	-0.0014	12	-4 59 59.19	-0.015	12	0.25	8.455	16	33.8	58.95	16	33.8	G5	17	1436	A -5 1177
44		8.5A	8 19.752	-0.0009	09	-5 13 49.98	-0.003	09	0.22	19.767	16	33.8	49.93	16	33.8	B9	17	1437	A -5 1178
45		8.8A	8 23.195	0.0011	09	-0 3 16.09	0.008	11	0.22	23.181	17	37.0	16.19	17	37.0	K2 R	21	1225	A -0 872
46		8.5A	8 25.635	0.0004	09	-1 49 28.70	-0.009	11	0.22	25.631	17	37.0	28.59	17	37.0	B9	21	1226K	A -1 823
47		6.3T	8 26.581	0.0047	06	-2 18 45.06	-0.144	07	0.27	26.404	09	12.2	39.29	10	09.8	G5	GC	6343	-2 1161
48		9.0A	8 37.466	0.0005	11	-5 39 40.10	-0.016	11	0.23	37.458	16	33.8	39.85	16	33.8	B9	17	1440	A -5 1179
49		9.4A	8 40.687	0.0006	09	-4 14 28.88	-0.056	09	0.22	40.678	16	33.9	27.98	16	33.9	G0 R	17	1441	A -4 1063
50		8.3A	8 41.778	-0.0014	12	-6 5 1.51	0.015	12	0.25	41.801	16	33.8	1.76	16	33.8	AO	16	1366	A -6 1104
51		9.1A	5 8 44.068	-0.0006	12	-9 27 48.72	-0.020	12	0.25	44.077	16	33.8	48.40	16	33.8	B9	16	1367	A -9 1091
52		5.9T	8 48.017	0.0045	07	-2 33 3.27	0.009	07	0.41	47.781	14	97.6	3.79	14	94.7	F2	GC	6348	-2 1165
53		9.0A	8 50.137	-0.0005	12	-6 51 24.29	0.012	12	0.25	50.145	16	33.9	24.48	16	33.9	F2 R	16	1368	A -6 1105
54		9.2A	8 50.595	0.0002	11	-8 36 59.85	-0.014	12	0.24	50.591	16	33.9	59.63	16	33.9	F8 R	16	1369	A -8 1050
55		8.9A	8 55.962	0.0016	13	-8 41 0.30	-0.038	13	0.27	55.936	16	33.9	-59.69	16	33.9	F8 R	16	1371	A -8 1051
56		9.2A	8 58.201	-0.0010	09	-5 44 32.06	0.002	09	0.22	58.217	16	33.9	32.10	16	33.9	F8 R	17	1443	A -5 1182
57		9.2A	9 3.488	-0.0016	09	-3 39 32.50	-0.005	09	0.22	3.514	16	33.9	32.42	16	33.9	F8 R	17	1444	A -3 1034
58		9.0A	9 5.523	-0.0050	09	-1 54 56.10	0.041	11	0.22	5.588	17	37.0	56.64	17	37.0	K2 R	21	1230	A -2 1166
59		8.9A	9 7.077	0.0013	09	-0 51 54.55	-0.006	11	0.22	7.060	17	37.0	54.46	17	37.0	M0 R	21	1228	A -0 875
60		8.7A	9 11.430	0.0025	12	-7 52 39.18	-0.006	12	0.25	11.390	16	33.8	39.08	16	33.8	F8	16	1372	A -7 997
61		8.3A	9 31.268	-0.0045	12	-9 9 53.45	-0.562	12	0.25	31.340	16	33.8	44.37	16	33.8	K0	16	1374	A -9 1094
62		9.1A	9 32.184	0.0000	12	-7 53 49.00	0.050	12	0.25	32.183	16	33.9	49.80	16	33.9	G0 R	16	1373	A -8 1053
63		8.5A	9 37.310	0.0001	13	-8 59 15.05	0.020	13	0.27	37.309	16	33.8	15.37	16	33.8	K0	16	1375	A -9 1095
64		9.1A	9 48.810	-0.0008	09	-1 51 28.45	0.018	11	0.22	48.821	17	37.0	28.69	17	37.0	A3	21	1235	A -1 827
65		8.5A	9 49.917	-0.0001	09	-0 2 4.97	-0.013	11	0.22	49.918	17	37.0	4.80	17	37.0	K0	21	1234	A -0 877
66		9.0A	9 56.437	-0.0005	09	-5 55 36.14	0.003	09	0.22	56.445	16	33.9	36.19	16	33.9	K0 R	17	1448	A -6 1106
67		9.0A	10 5.288	-0.0016	12	-8 41 45.03	-0.017	12	0.25	5.314	16	33.9	44.76	16	33.9	K0 R	17	1378	A -8 1056
68		9.0A	10 6.923	0.0004	09	-1 36 22.39	0.009	11	0.22	6.919	17	37.0	22.51	17	37.0	K	21	1237	A -1 829
69		9.1A	10 7.343	-0.0014	12	-6 17 3.63	-0.063	12	0.25	7.366	16	33.9	2.63	16	33.9	F8 R	16	1377	A -6 1107
70		9.0A	10 10.170	-0.0010	09	-4 43 27.35	0.003	09	0.22	10.187	16	33.9	27.41	16	33.9	AO	17	1449	A -4 1066
71		9.0A	10 13.119	-0.0010	12	-9 20 13.31	0.012	12	0.25	13.135	16	33.9	13.51	16	33.9	K0 R	16	1379	A -9 1097
72		9.1A	10 18.119	0.0001	09	-1 37 19.83	-0.001	11	0.22	18.118	17	37.0	19.82	17	37.0	AO	21	1238	A -1 830
73		6.0T	10 21.322	0.0014	11	-7 6 54.67	-0.032	09	0.49	21.255	17	02.1	53.35	14	08.4	G5	GC	6377	-6 1109
74		8.8A	10 22.385	0.0006	13	-9 26 31.66	-0.025	13	0.27	22.375	16	33.9	31.26	16	33.9	K5 R	16	1381	A -9 1098
75		8.5A	10 27.349	0.0003	09	-0 9 0.55	-0.010	11	0.22	27.346	17	37.0	0.42	17	37.0	AO	21	1239	A -0 882
76		8.0B	10 33.575	-0.0007	11	-8 7 22.25	-0.008	09	0.50	33.608	17	01.6	21.87	15	99.6	AO	GC	6380	-8 1057
77		8.7A	10 37.047	-0.0014	11	-8 53 16.16	-0.056	12	0.24	37.070	16	33.9	15.26	16	33.9	K0	16	1383	A -9 1099
78		9.0A	10 37.988	-0.0003	09	-3 1 11.35	-0.001	09	0.22	37.994	16	33.9	11.34	16	33.9	K0	17	1451	A -3 1040
79		9.0A	10 49.186	-0.0001	11	-5 8 28.45	-0.016	11	0.23	49.188	16	33.9	28.19	16	33.9	AO	17	1452	A -5 1190
80		9.0A	10 51.752	-0.0006	12	-3 11 19.19	0.011	12	0.25	51.762	16	33.9	19.37	16	33.9	K2 R	17	1453	A -3 1041
81		9.0A	10 52.295	-0.0002	09	-5 1 51.77	0.001	09	0.22	52.298	16	33.9	51.78	16	33.9	AO	17	1454	A -5 1191
82		9.2A	10 53.685	0.0006	09	-0 51 58.58	-0.001	11	0.22	53.677	17	37.0	58.56	17	37.0	F5 R	21	1242	A -0 885
83		9.0A	10 57.416	-0.0024	09	-5 48 36.04	0.011	09	0.22	57.454	16	33.9	36.23	16	33.9	M0 R	17	1455	A -5 1192
84		8.0A	11 0.265	-0.0009	13	-4 42 36.74	-0.010	13	0.27	0.300	16	33.9	36.58	16	33.9	AO	17	1456	A -4 1073
85		9.0A	11 5.137	0.0012	09	-1 35 38.66	0.021	11	0.22	5.122	17	37.0	38.93	17	37.0	K0 R	21	1243	A -1 832
86		9.2A	11 7.449	-0.0012	12	-7 23 13.93	-0.011	12	0.25	7.469	16	33.9	13.76	16	33.9	F8 R	16	1385K	A -7 1005
87		6.2T	11 8.939	-0.0003	03	-8 12 18.81	0.000	03	0.15	8.952	06	04.2	18.82	06	02.3	AO	GC	6392	-8 1059
88		9.0A	11 9.383	-0.0028	13	-7 3 57.72	0.031	13	0.27	9.429	16	33.9	58.23	16	33.9	K0 R	16	1386	A -7 1006
89		7.7A	11 9.464	-0.0013	13	-3 40 46.04	0.003	13	0.27	9.485	16	33.9	46.09	16	33.9	B8	17	1457	A -3 1042
90		8.5A	11 14.844	0.0007	13	-2 50 20.95	-0.001	13	0.27	14.834	16	33.9	20.94	16	33.9	F0	17	1458	A -2 1181
91		9.2A	11 15.252	-0.0012	13	-5 8 41.50	-0.010	13	0.27	15.271	16	33.9	41.33	16	33.9	M0 R	17	1459	A -5 1196
92		8.7A	11 17.413	-0.0002	09	-0 56 36.80	-0.033	11	0.22	17.415	17	37.0	36.36	17	37.0	A5	21	1245	A -1 834
93		7.8A	11 21.733	0.0012	12	-6 48 19.38	-0.004	12	0.25	21.714	16	33.9	19.32	16	33.9	B8	16	1388	A -6 1112
94		9.0A	11 21.768	-0.0016	13	-5 14 55.06	-0.121	13	0.27	21.793	16	33.9	53.10	16	33.9	G0	17	1461	A -5 1197
95		9.0A	11 23.510	-0.0021	12	-2 2 35.74	0.005	12	0.25	23.545	16	33.9	35.83	16	33.9	AO	17	1460	A -2 1182
96		9.0A	11 29.839	-0.0054	13	-3 42 20.75	-0.092	13	0.27	29.925	16	33.9	19.28	16	33.9	G0 R	17	1462	A -3 1044
97		9.0A	11 30.010	-0.0014	13	-4 55 52.66	-0.006	13	0.27	30.033	16	33.9	52.57	16	33.9	G5	17	1463	A -5 1198
98		9.1A	11 32.220	-0.0026	11	-6 40 31.99	-0.010	11	0.23	32.262	16	33.9	31.84	16	33.9	G0 R	16	1389	A -6 1113
99		9.0A	11 32.772	-0.0006	13	-5 17 1.73	-0.014	13	0.27	32.781	16	33.9	1.50	16	33.9	K0 R	17	1464	A -5 1199
00		9.1A	11 33.759	-0.0014	13	-6 49 32.01	-0.001	13	0.27	33.782	16	33.9	31.99	16	33.9	AO R	16	1390	A -6 1114

131900

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	EPOCH 1950 μ s	EPOCH 1950 σ_μ ″.001	EPOCH 1950 δ_{1950} ° ′ ″	EPOCH 1950 μ' ″	EPOCH 1950 $\sigma_{\mu'}$ ″.001	EPOCH 1950 σ_{1950} ″	ORIGINAL EPOCH α_2 s	ORIGINAL EPOCH σ ″.01	ORIGINAL EPOCH ep.	ORIGINAL EPOCH δ_2 ″	ORIGINAL EPOCH σ' ″.01	ORIGINAL EPOCH ep.	SP.		SOURCE CAT.	SOURCE STAR NUMBER	– 00 5H DM NUMBER
1		9.1A	5 11 40.140	0.0006	13	-7 58 23.90	-0.014	13	0.27	40.130	16	33.9	23.68	16	33.9	F5	R	16	1391	A -8 1061
2		9.1A	11 45.058	-0.0014	12	-6 42 33.21	-0.009	12	0.25	45.081	16	33.9	33.06	16	33.9	F5	R	16	1392	A -6 1115
3		8.5A	11 52.313	-0.0001	13	-5 18 46.09	-0.023	13	0.27	52.315	16	33.9	45.71	16	33.9	K2		17	1465	A -5 1201
4		8.7A	12 3.377	0.0011	13	-7 44 34.17	-0.001	13	0.27	3.360	16	33.9	34.16	16	33.9	F5		16	1393	A -7 1010
5		6.9T	12 3.818	0.0003	09	-0 37 8.74	-0.004	09	0.42	3.804	12	03.9	8.54	14	04.3	MB		6C	6406	-0 890
6		8.5A	12 3.889	-0.0000	12	-7 20 20.63	0.011	12	0.25	3.889	16	33.9	20.81	16	33.9	A0	R	16	1394	A -7 1009
7		0.3M	12 7.990	-0.0002	01	-8 15 28.65	-0.002	01	0.05	8.001	02	05.1	28.56	02	01.1	B8P		F4	194	-8 1063
8		9.0A	12 9.651	-0.0013	09	-2 19 50.14	0.000	09	0.22	9.673	16	33.9	50.14	16	33.9	G0	e	17	1466	A -2 1188
9		8.5A	12 11.271	0.0008	11	-4 2 44.60	-0.033	11	0.23	11.259	16	33.9	44.07	16	33.9	K0		17	1467	A -4 1077
10		6.9T	12 15.714	-0.0013	13	-7 7 39.32	-0.005	11	0.63	15.777	17	00.8	39.07	17	97.9	K2	-	6C	6412K	B* -7 1012
11		9.0A	12 23.444	0.0004	12	-8 40 22.91	0.014	12	0.25	23.437	16	33.9	23.14	16	33.9	F8	R	16	1397	A -8 1065
12		9.0A	12 24.375	-0.0004	09	-4 40 57.73	-0.004	09	0.22	24.383	16	33.9	57.67	16	33.9	A0		17	1468	A -4 1079
13		9.0A	12 30.116	0.0001	13	-5 46 24.15	-0.003	13	0.27	30.113	16	33.9	24.11	16	33.9	K5		17	1469	A -5 1203
14		9.1A	12 31.441	-0.0017	13	-7 44 37.58	-0.018	13	0.27	31.468	16	33.9	37.29	16	33.9	F8		16	1399	A -7 1013
15		9.0A	12 37.421	-0.0017	13	-5 16 29.79	-0.016	13	0.27	37.449	16	33.9	29.52	16	33.9	A0		17	1470	A -5 1204
16		7.5T	12 43.204	-0.0015	11	-6 51 41.47	0.004	10	0.55	43.201	15	98.2	41.69	15	98.0	F2		6C	6422	-6 1121
17		6.1T	12 46.490	-0.0032	09	-1 27 54.51	0.038	09	0.52	46.667	14	94.6	56.57	14	95.2	F2		6C	6425	-1 837
18		8.0A	12 53.978	-0.0039	13	-3 25 16.99	0.007	13	0.27	54.040	16	33.9	17.11	16	33.9	F8		17	1471	A -3 1050
19		9.4A	13 2.599	-0.0009	12	-2 41 26.72	0.027	12	0.25	2.614	16	33.9	27.16	16	33.9	K2	R	17	1472	A -2 1193
20		8.8A	13 11.433	-0.0005	12	-6 59 21.29	0.023	12	0.25	11.441	16	33.9	21.66	16	33.9	A0		16	1400	A -7 1016
21		9.0A	13 14.137	-0.0011	09	-1 19 58.27	-0.006	11	0.22	14.152	17	37.0	58.19	17	37.0	A2		21	1251	A -1 839
22		7.3A	13 16.544	-0.0029	11	-4 51 7.72	0.038	11	0.23	16.504	16	33.9	8.34	16	33.9	G0		17	1473	A -4 1084
23		8.3A	13 36.825	-0.0009	13	-5 38 31.87	0.043	13	0.27	36.839	16	33.9	32.56	16	33.9	G0		17	1475K	A -5 1207
24		9.2A	13 37.971	-0.0008	09	-4 31 6.53	-0.004	09	0.22	37.984	16	33.9	6.47	16	33.9	A		17	1474	A -4 1085
25		9.0A	13 38.070	0.0074	09	-0 49 28.24	0.101	11	0.22	37.975	17	37.0	29.54	17	37.0	G5		21	1253	A -0 900
26		9.4A	13 38.088	0.0008	12	-9 51 51.34	0.020	12	0.25	38.076	16	33.9	51.66	16	33.9	A0		16	1402	A -9 1110
27		9.1A	13 43.103	-0.0001	12	-7 29 17.72	0.018	12	0.25	43.104	16	33.9	18.02	16	33.9	F0		16	1405	A -7 1018
28		8.6B	13 44.805	-0.0012	13	-3 32 15.15	-0.009	12	0.57	44.857	17	07.0	14.76	17	05.2	B9		6C	6442K	B* -3 1051
29		8.7A	13 52.855	-0.0005	09	-1 41 46.45	0.016	11	0.22	52.862	17	37.0	46.66	17	37.0	B8		21	1254K	A -1 841
30		9.2A	13 57.389	-0.0004	12	-6 34 30.63	0.068	12	0.25	57.396	16	33.9	31.73	16	33.9	F8	R	16	1404	A -6 1127
31		9.0A	14 2.128	0.0004	09	-0 54 20.20	0.016	11	0.22	2.123	17	37.0	20.40	17	37.0	A2	R	21	1255	A -1 843
32		9.1A	14 4.940	-0.0028	12	-8 24 51.08	-0.010	12	0.25	4.984	16	33.9	50.93	16	33.9	K0	R	16	1406	A -8 1072
33		9.2A	14 5.010	-0.0022	12	-7 22 25.82	-0.020	12	0.25	5.045	16	33.9	25.51	16	33.9	K5	R	16	1405	A -7 1020
34		8.7A	14 6.396	0.0003	13	-5 6 55.31	0.003	13	0.27	6.390	16	33.9	55.35	16	33.9	A2		17	1477	A -5 1208
35		9.0A	14 10.325	-0.0017	12	-6 38 34.82	-0.004	12	0.25	10.352	16	33.9	34.75	16	33.9	A		16	1407	A -6 1128
36		7.8A	14 10.517	-0.0001	13	-7 15 25.50	0.037	13	0.27	10.518	16	33.9	26.09	16	33.9	A5		16	1408	A -7 1021
37		8.9A	14 11.125	-0.0024	09	-0 56 34.07	-0.014	11	0.22	11.157	17	37.0	33.89	17	37.0	A0		21	1256	A -1 844
38		9.0A	14 14.706	-0.0004	13	-8 31 54.66	-0.037	13	0.27	14.712	16	33.9	54.06	16	33.9	F5		16	1410	A -8 1073
39		9.1A	14 15.264	-0.0014	13	-7 40 40.04	-0.032	13	0.27	15.266	16	33.9	39.53	16	33.9	K2	R	16	1409	A -7 1022
40		8.7A	14 20.131	-0.0012	13	-5 12 18.24	0.003	13	0.27	20.150	16	33.9	18.28	16	33.9	A2		17	1478	A -5 1209
41		9.2A	14 20.772	-0.0016	12	-6 50 33.71	0.014	12	0.25	20.798	16	33.9	33.94	16	33.9	A2	R	16	1411	A -6 1129
42		8.5A	14 25.294	-0.0013	11	-5 41 24.96	0.011	11	0.23	25.316	16	33.9	25.14	16	33.9	G5		17	1479	A -5 1210
43		8.0B	14 30.979	-0.0012	10	-6 59 23.12	0.003	08	0.46	31.036	14	02.2	23.28	12	00.9	A0		6C	6460	-7 1094
44		9.1A	14 37.455	-0.0008	13	-9 10 21.59	-0.037	13	0.27	37.467	16	33.9	21.00	16	33.9	G0	R	16	1413	A -9 1112
45		9.0A	14 39.054	-0.0023	09	-2 37 59.40	0.010	09	0.22	39.092	16	33.9	59.57	16	33.9	A0		17	1480	A -2 1200
46		8.5A	14 40.163	0.0005	13	-2 0 56.86	0.007	13	0.27	40.156	16	33.9	56.98	16	33.9	A2		17	1481	A -2 1201
47		9.1A	14 48.881	0.0002	09	-1 24 31.15	-0.102	11	0.22	48.878	17	37.0	29.83	17	37.0	F8	R	21	1258	A -1 846
48		8.8A	14 54.531	0.0003	09	-0 23 49.62	-0.066	11	0.22	54.527	17	37.0	48.76	17	37.0	K0		21	1259	A -0 909
49		8.8A	14 58.165	0.0001	13	-5 31 21.49	0.004	13	0.27	58.164	16	33.9	21.56	16	33.9	M2	R	17	1482	A -5 1213
50		8.7A	15 8.049	-0.0010	13	-4 46 54.91	0.029	13	0.27	8.065	16	33.9	55.38	16	33.9	A0		17	1483	A -4 1090
51		8.8A	5 15 10.497	-0.0013	09	-0 25 21.41	-0.001	11	0.22	10.514	17	37.0	21.40	17	37.0	A2		21	1260	A -0 911
52		3.7H	15 10.601	-0.0014	01	-6 53 49.05	-0.008	01	0.05	10.653	02	12.2	48.75	02	12.1	B5		F4	195	-7 1028
53		9.0A	15 16.366	-0.0014	12	-6 39 59.85	0.044	12	0.25	16.389	16	33.9	+ 0.57	16	33.9	G5		16	1415	A -6 1132
54		9.1A	15 19.654	-0.0000	12	-7 37 35.03	0.021	12	0.25	19.654	16	33.9	35.37	16	33.9	F8	R	16	1416	A -7 1030
55		8.6A	15 21.300	-0.0005	12	-8 42 11.53	-0.061	12	0.25	21.308	16	33.9	10.55	16	33.9	G0		16	1417	A -8 1078
56		9.0A	15 21.679	-0.0005	09	-0 20 10.17	0.010	11	0.22	21.685	17	37.0	10.30	17	37.0	A0		21	1261	A -0 912
57		9.2A	15 23.683	-0.0036	17	-4 30 30.28	0.012	17	0.31	23.744	16	33.9	30.47	16	33.9	G5	R	17	1484	A -4 1091
58		9.0A	15 26.245	-0.0018	11	-4 32 31.57	0.013	11	0.23	26.275	16	33.9	31.78	16	33.9	A0		17	1485	A -4 1093
59		7.8A	15 27.315	-0.0002	09	-0 5 23.31	0.018	11	0.22	27.318	17	37.0	23.54	17	37.0	B9		21	1262	A -0 913
60		9.1A	15 29.089	-0.0028	13	-6 39 8.62	-0.017	13	0.27	29.134	16	33.9	8.35	16	33.9	G0	R	16	1418	A -6 1133
61		8.9A	15 33.679	0.0002	11	-6 29 13.76	-0.021	11	0.23	33.676	16	33.9	13.43	16	33.9	K2	R	16	1419	A -6 1134
62		7.9A	15 36.688	-0.0003	13	-8 16 49.74	-0.031	13	0.27	36.692	16	33.9	49.25	16	33.9	K5		16	1420	A -8 1079
63		9.1A	15 39.994	0.0011	13	-3 33 53.65	0.026	13	0.27	39.977	16	33.9	54.27	16	33.9	K2	R	17	1486	A -3 1059
64		9.0A	15 42.812	-0.0013	13	-4 29 17.06	0.021	13	0.27	42.833	16	33.9	18.20	16	33.9	F5		17	1487	A -4 1095
65		8.5A	15 53.517	-0.0010	11	-2 35 13.98	-0.004	11	0.23	53.534	16	33.9	13.92	16	33.9	A0		17	1488	A -2 1208
66		8.8A	15 57.562	-0.0004	09	-1 11 23.53	0.010	11	0.22	57.567	17	37.0	23.66	17	37.0	A0		21	1265	A -1 853
67		7.1T	15 58.298	-0.0004	12	-5 42 41.06	-0.090	12	0.62	58.318	15	00.4	36.60	15	00.2	K0		6C	6501	-5 1218
68		9.3A	15 58.330	0.0007	17	-4 40 21.73	0.007	17	0.31	58.319	16	33.9	21.84	16	33.9	F8	R	17	1489	A -4 1097
69		9.2A	15 59.325	-0.0014	12	-6 50 33.70	-0.043	12	0.25	59.347	16	33.9	33.01	16	33.9	M0	R	16	1421	A -6 1135
70		9.0A	16 1.953	-0.0003	12	-4 40 11.90	0.010	12	0.25	1.958	16	33.9	12.06	16	33.9	K5	R	17	1491	A -4 1099
71		7.9A	16 7.537	0.0022	13	-6 17 35.76	-0.086	13	0.27	7.501	16	33.9	34.38	16	33.9	G0		16	1422	A -6 1136
72		9.0A	16 7.573	0.0005	13	-2 5 23.80	-0.034	13	0.27	7.566	16	33.9	23.26	16	33.9	F0	R	17	1492	A -2 1211
73		8.5A	16 14.688	0.0011	12	-7 47 13.18	-0.019	12	0.25	14.670	16	33.9	12.88	16	33.9	A3		16	1423	A -7 1033
74		9.1A	16 22.745	-0.0018	11	-9 5 46.32	0.015	11	0.23	22.774	16	33.9	46.56	16	33.9	B9		16	1424	A -9 1119
75		8.8A	16 35.003	-0.0011	09	-1 8 59.19	-0.009	11	0.22	35.018	17	37.0	59.06	17	37.0	A0		21	1266	A -1 855
76		8.6A	16 39.163	-0.0019	11	-5 0 37.65	0.003	11	0.23	39.193	16	33.9	37.69	16	33.9	A0		17	1494	A -5 1219
77		8.6B	16 40.239	0.0482	09	-3 7 35.72	0.127	10	0.49	37.785	14	99.1	42.33	12	98.1	K0		6C	6513K	B* -3 1061
78		8.9A	16 40.449	-0.0028	12	-8 42 13.40	-0.016	12	0.25	40.493	16	33.9	13.11	16	33.9	F2		16	1425	A -8 1085
79		8.5A	16 55.853	-0.0114	13	-5 29 52.19	-0.057	13	0.27	56.036	16	33.9	51.27	16	33.9	G5		17	1495	A -5 1220
80		8.1A	16 56.028	0.0011	12	-7 23 51.68	0.018	12	0.25	56.009	16	33.9	51.98	16	33.9	B9		16	1426	A -7 1036
81		8.5A	17 2.327	-0.0003	13	-4 23 28.90	-0.020	13	0.27	2.332	16	33.9	28.58	16	33.9	A0		17	1497	A -4 1102
82		9.0A	17 2.382	-0.0007	11	-2 22 21.73	-0.010	11	0.23	2.394	16	33.9	21.59	16	33.9	A0	R	17	1496	A -2 1214
83		6.4T	17 3.154	-0.0008	08	-1 27 44.55	-0.005	09	0.49	3.200	12	92.4	44.25	14	93.8	B3		6C	6522	B* -1 859
84		8.5A	17 6.325	0.0000	09	-1 9 31.71	-0.002	11	0.22	6.325	17	37.0	31.68	17	37.0	A0		21	1270	A -1 860
85		9.1A	17 7.940	-0.0001	09	-1 24 23.14	0.013	11	0.22	7.941	17	37.0	23.30	17	37.0	A0	R	21	1271	A -1 861
86		8.6A	17 8.399	-0.0004	12	-9 30 12.48	0.025	12	0.25	8.405	16	33.9	12.88	16	33.9	F0		16	1427	A -9 1125
87		8.2A	17 8.498	-0.0012	09	-1 33 58.89	0.011	11	0.22	8.512	17	37.0	59.03	17	37.0	K0		21	1272	A -1 862
88		8.2A	17 11.875	-0.0013	13	-9 45 5.35	0.015	13	0.27	11.896	16	33.9	3.59	16	33.9	A0		16	1428	A -9 1126
89		7.3A	17 14.166	-0.0017	12	-4 55 38.73	-0.006	12	0.25	14.194	16	33.9	38.64	16	33.9	A0		17	1498	A -5 1221
90		9.4A	17 19.884	-0.0000	12	-7 43 51.51	-0.008	12	0.25	19.884	16	33.9	51.38	16	33.9	K2	R	16	1429	A -7 1040
91		8.8A	17 25.504	0.0016	12	-6 58 51.32	0.007	12	0.25	25.478	16	33.9	51.44	16	33.9	A0		16	1430	A -7 1041
92		8.8A	17 28.385	-0.0004	13	-7 10 56.40	0.030	13	0.27	28.392	16	33.9	56.89	16	33.9	A0		16	1431	A -7 1042
93		9.3A	17 31.883	-0.0002	09	-2 31 18.74	-0.042	09	0.22	31.886	16	33.9	18.07	16	33.9	F8	R	17	1499	A -2 1215
94		8.0A	17 35.483	-0.0011	13	-5 15 28.77	-0.002	13	0.27	35.500	16	33.9	28.73	16	33.9	B9		17	1500	A -5 1223
95		8.5A	17 40.757	-0.0016	11	-5 53 44.43	0.009	11	0.23	40.782	16	33.9	44.58	16	33.9	B8		17	1501	A -6 1141
96		8.8A	17 47.027	-0.0011	13	-7 9 12.26	0.005	13	0.27	47.044	16	33.9	12.35	16	33.9	A0		16	1434	A -7 1043
97		9.2A	17 47.330	0.0000	12	-7 15 59.19	0.002	12	0.25	47.329	16	33.9	59.22	16	33.9	A0		16	1435	A -7 1044
98		9.0A	17 49.361	-0.0012	12	-4 32 51.00	-0.011	12	0.25	49.361	16	33.9	50.83	16	33.9	F8	R	17	1502	A -4 1104
99		8.5A	17 53.370	-0.0027	13	-4 50 12.72	0.027	13	0.27	53.410	16	33.9	13.16	16	33.9	F5		17	1503	A -4 1105
00		9.0A	17 54.989	-0.0009	12	-3 33 33.07	0.007	12	0.25	55.004	16	33.9	33.19	16	33.9	A2		17	1504	A -3 1065

132000

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	EPOCH 1950 μ s	EPOCH 1950 σ_μ ″.001	EPOCH 1950 δ_{1950} ° ′ ″	EPOCH 1950 μ' ″	EPOCH 1950 σ_μ ″.001	EPOCH 1950 σ_{1950} ″	ORIGINAL EPOCH α_2 s	ORIGINAL EPOCH σ ″.01	ORIGINAL EPOCH ep.	ORIGINAL EPOCH δ_2 ″	ORIGINAL EPOCH σ' ″.01	ORIGINAL EPOCH ep.	SP.		SOURCE CAT.	SOURCE STAR NUMBER	DM NUMBER
1		9.3A	5 17 56.609	-0.0015	12	-6 20 54.71	0.055	12	0.25	56.633	16	33.9	55.61	16	33.9	A		16	1436	A -6 1143
2		9.0A	17 57.123	-0.0012	13	-5 35 38.59	0.026	13	0.27	57.143	16	33.9	39.01	16	33.9	F2	R	17	1506	A -5 1224
3		8.9A	17 58.778	-0.0035	08	-3 19 10.51	0.011	08	0.22	58.834	16	33.9	10.69	16	33.9	F8	R	17	1505	A -3 1066
4		6.3T	17 58.878	-0.0011	16	-5 24 58.68	0.029	14	0.85	58.937	17	95.5	0.26	18	94.5	B9		GC	6547K	B* -5 1225
5		8.8A	17 59.288	-0.0022	13	-6 35 52.44	0.020	13	0.27	59.324	16	33.9	52.76	16	33.9	K5	R	16	1437	A -6 1144
6		7.7B	17 59.619	-0.0021	07	-8 4 41.53	-0.084	04	0.30	59.710	15	06.6	38.19	14	97.6	F2		GC	6549K	B* -8 1092
7		8.7A	17 59.845	-0.0014	13	-8 4 6.62	-0.058	13	0.27	59.868	16	33.9	5.70	16	33.9			16	1440	A -8 1093
8		9.0A	18 1.266	-0.0010	12	-9 35 38.36	-0.117	12	0.25	1.282	16	33.9	36.48	16	33.9	G0	R	16	1442	A -9 1130
9		9.0A	18 1.869	-0.0008	12	-5 51 40.32	0.013	12	0.25	1.861	16	33.9	40.54	16	33.9	A0		17	1508	A -5 1228
10		9.0A	18 1.903	-0.0012	12	-6 28 19.24	0.003	12	0.25	1.922	16	33.9	19.30	16	33.9	A2		16	1441	A -6 1145
11		9.0A	18 5.235	-0.0001	13	-5 20 13.98	-0.007	13	0.27	5.237	16	33.9	13.86	16	33.9	B9		17	1509	A -5 1227
12		8.9A	18 5.472	-0.0002	13	-7 5 18.06	0.022	13	0.27	5.474	16	33.9	18.42	16	33.9	K0	R	16	1443	A -7 1047
13		9.3A	18 9.097	-0.0017	17	-3 17 47.47	-0.005	17	0.31	9.125	16	33.9	47.36	16	33.9	F8	R	17	1510	A -3 1068
14		8.5A	18 10.467	-0.0021	09	-5 52 16.30	-0.020	09	0.22	10.501	16	33.9	15.99	16	33.9	G5	R	17	1511	A -5 1228
15		9.0A	18 13.325	0.0011	12	-5 50 6.02	-0.051	12	0.25	13.308	16	33.9	5.21	16	33.9	G5	R	17	1512	A -5 1229
16		8.8A	18 17.641	-0.0002	12	-6 27 34.51	-0.007	12	0.25	17.645	16	33.9	34.41	16	33.9	K2	R	16	1446	A -6 1146
17		8.7A	18 26.506	-0.0020	12	-6 25 46.57	0.031	12	0.25	26.538	16	33.9	47.08	16	33.9	K2	R	16	1447	A -6 1147
18		8.5A	18 41.081	-0.0021	13	-2 54 30.47	-0.018	13	0.27	41.115	16	33.9	30.18	16	33.9	K0		17	1513	A -3 1070
19		8.9A	18 45.771	0.0002	12	-8 19 59.54	-0.004	12	0.25	45.768	16	33.9	59.48	16	33.9	A0		16	1448	A -8 1096
20		8.1A	18 49.597	-0.0006	12	-7 31 40.96	0.003	12	0.25	49.607	16	33.9	41.01	16	33.9	A0		16	1450	A -7 1049
21		7.5A	18 50.889	0.0000	11	-5 51 34.38	-0.010	11	0.23	50.889	16	33.9	34.23	16	33.9	F8		17	1515	A -5 1231
22		9.0A	18 51.688	-0.0014	09	-2 42 50.56	-0.008	09	0.22	51.711	16	33.9	50.44	16	33.9	G5	R	17	1514	A -2 1221
23		8.0A	18 56.512	-0.0000	09	-1 35 38.84	0.033	11	0.22	56.513	17	37.0	39.27	17	37.0	B9		21	1278	A -1 872
24		5.6T	18 58.606	-0.0005	04	-0 27 52.37	0.003	03	0.20	58.633	09	99.0	52.51	09	98.8	B3		GC	6572K	B* -0 929
25		9.1A	19 6.912	-0.0006	09	-4 56 24.64	-0.003	09	0.22	6.922	16	33.9	24.60	16	33.9	A0		17	1517	A -5 1233
26		8.0B	19 8.600	0.0006	10	-2 5 56.61	-0.001	07	0.44	8.573	14	02.4	56.58	15	98.6	A2		GC	6577K	B* -2 1222
27		9.2A	19 10.204	-0.0009	12	-5 7 21.17	0.011	12	0.25	10.219	16	33.9	21.34	16	33.9	F5		17	1518	A -5 1234
28		4.6H	19 12.471	-0.0003	01	-0 25 49.03	-0.001	02	0.06	12.479	02	18.4	48.99	03	16.4	B3		F4	1147	-0 930
29		9.3A	19 16.053	-0.0011	09	-4 55 19.83	0.006	09	0.22	16.071	16	33.9	19.93	16	33.9	F8		17	1519	A -5 1235
30		8.5A	19 20.049	-0.0002	12	-7 42 22.12	0.009	12	0.25	20.052	16	33.9	22.27	16	33.9	K0		16	1451	A -7 1051
31		8.8A	19 26.623	-0.0019	12	-6 44 16.86	0.013	12	0.25	26.653	16	33.9	17.07	16	33.9	K0		16	1452	A -6 1153
32		7.0T	19 27.981	-0.0003	09	-3 0 40.75	0.005	10	0.47	27.996	14	03.0	41.01	14	02.1	B8		GC	6587	-3 1075
33		8.7A	19 43.394	-0.0002	12	-7 30 11.52	0.038	12	0.25	43.396	16	33.9	12.14	16	33.9	K5	R	16	1453	A -7 1052
34		9.1A	19 51.732	-0.0008	12	-9 8 5.29	0.032	12	0.25	51.744	16	33.9	5.80	16	33.9	A0		16	1454	A -9 1137
35		7.0T	19 54.787	0.0020	20	-8 42 47.29	-0.007	20	0.84	54.704	18	08.7	47.00	18	07.6	K5P		GC	6602	-8 1099
36		8.8A	19 56.558	-0.0011	12	-8 18 29.81	-0.023	12	0.25	56.575	16	33.9	29.44	16	33.9	K0		16	1456	A -8 1100
37		9.0A	20 6.115	-0.0018	09	-5 57 21.58	-0.005	09	0.22	6.086	16	33.9	20.22	16	33.9	K0	R	17	1521	A -6 1155
38		9.0A	20 6.300	-0.0014	09	-1 5 22.40	-0.015	11	0.22	6.316	17	37.0	22.20	17	37.0	A2		21	1282	A -1 874
39		8.9A	20 10.460	-0.0014	12	-7 38 26.49	0.009	12	0.25	10.483	16	33.9	26.64	16	33.9	A0		16	1458	A -7 1054
40		8.5A	20 26.574	0.0009	09	-2 11 45.55	-0.003	09	0.22	26.561	16	33.9	45.50	16	33.9	A0		17	1522	A -2 1225
41		8.6A	20 28.316	-0.0013	12	-8 8 0.04	0.002	12	0.25	28.337	16	33.9	0.08	16	33.9	A0		16	1459	A -8 1103
42		9.0A	20 30.990	0.0003	11	-2 1 52.54	-0.001	11	0.23	30.986	16	33.9	52.53	16	33.9	A0	R	17	1523	A -2 1226
43		8.7A	20 32.277	-0.0006	12	-6 45 49.29	0.009	12	0.25	32.287	16	33.9	49.44	16	33.9	A2		16	1460	A -6 1158
44		8.5A	20 34.572	-0.0034	13	-2 58 45.40	0.010	13	0.27	34.626	16	33.9	45.57	16	33.9	K2		17	1524	A -3 1081
45		9.0A	20 36.421	-0.0017	13	-5 21 56.47	0.022	13	0.27	36.447	16	33.9	56.76	16	33.9	A0		17	1525	A -5 1238
46		8.2A	20 39.898	-0.0004	12	-8 9 6.31	-0.003	12	0.25	39.905	16	33.9	6.26	16	33.9	A0		16	1461	A* -8 1105
47		9.0A	20 45.128	-0.0019	13	-5 12 2.12	-0.000	13	0.27	45.158	16	33.9	2.11	16	33.9	A2		17	1526	A -5 1240
48		9.0A	20 49.580	-0.0017	13	-3 8 51.34	0.004	13	0.27	49.608	16	33.9	51.41	16	33.9	A		17	1529	A -3 1083
49		9.0A	20 50.325	-0.0001	12	-2 19 20.57	-0.105	12	0.25	50.328	16	33.9	18.88	16	33.9	G0	R	17	1527	A -2 1230
50		8.8A	20 50.867	-0.0006	09	-1 29 12.30	0.001	11	0.22	50.895	17	37.0	12.30	17	37.0	B8	R	21	1291	A -1 878
51		8.4A	5 20 52.590	0.0004	12	-9 22 16.32	0.006	12	0.25	52.584	16	33.9	16.42	16	33.9	MA		16	1462	A -9 1139
52		9.2A	20 52.994	-0.0023	12	-3 57 27.67	-0.018	12	0.25	53.031	16	33.9	27.39	16	33.9	G0		17	1530	A -4 1110
53		5.8T	20 54.562	-0.0002	07	-8 27 41.42	-0.017	05	0.38	54.573	17	98.0	40.55	14	98.4	A0		GC	6629K	B* -8 1107
54		8.2A	20 55.596	0.0003	09	-1 2 53.55	0.005	11	0.22	55.594	17	37.0	53.61	17	37.0	A0		21	1292	A -1 879
55		9.0A	21 3.627	-0.0018	12	-2 51 3.01	-0.021	12	0.25	3.656	16	33.9	2.68	16	33.9	A0	R	17	1531	A -2 1232
56		9.0A	21 7.478	-0.0014	09	-0 54 28.04	-0.020	11	0.22	7.496	17	37.0	27.77	17	37.0	F2	R	21	1294	A -1 880
57		5.6T	21 8.751	-0.0009	07	-0 12 18.70	0.004	07	0.27	8.784	09	13.1	18.84	09	12.7	B3		GC	6632	B* -0 936
58		8.8A	21 11.585	-0.0005	12	-6 56 36.26	-0.006	12	0.25	11.593	16	33.9	36.16	16	33.9	K5		16	1465	A -7 1061
59		8.8A	21 13.642	-0.0001	09	-0 59 28.04	-0.000	11	0.22	13.643	17	37.0	28.04	17	37.0	M0	R	21	1296	A -1 881
60		6.1T	21 18.661	-0.0004	06	-0 54 44.18	-0.008	05	0.37	18.694	12	93.8	43.66	12	88.2	F5		GC	6637K	B* -1 882
61		8.4A	21 19.525	-0.0007	13	-8 20 4.99	0.015	13	0.27	19.536	16	33.9	5.24	16	33.9	A0		16	1467	A -8 1109
62		8.9A	21 20.282	-0.0013	12	-6 52 46.54	-0.001	12	0.25	20.303	16	33.9	46.52	16	33.9	A0		16	1466	A -6 1163
63		8.8A	21 21.595	-0.0006	12	-8 17 33.78	-0.009	12	0.25	21.605	16	33.9	33.63	16	33.9	K	R	16	1468	A -8 1110
64		8.4A	21 22.344	0.0010	13	-4 36 47.17	-0.018	13	0.27	22.328	16	33.9	46.88	16	33.9	A5		17	1533	A -4 1113
65		8.5A	21 23.080	-0.0013	13	-3 7 41.58	-0.015	13	0.27	23.102	16	33.9	41.34	16	33.9	A0		17	1532	A -3 1087
66		8.4A	21 28.881	-0.0013	12	-5 55 47.00	-0.010	12	0.25	28.901	16	33.9	46.84	16	33.9	G5		17	1534	A -6 1165
67		4.2T	21 32.197	-0.0014	05	-7 51 9.07	-0.044	04	0.23	32.264	12	01.6	6.84	10	98.9	K0		GC	6646	B* -7 1064
68		8.9A	21 45.998	-0.0006	13	-9 52 38.93	-0.005	13	0.27	46.009	16	33.9	38.85	16	33.9	A		16	1472	A -9 1143
69		8.0A	21 50.437	-0.0008	12	-6 51 16.71	-0.098	12	0.25	50.450	16	33.9	15.14	16	33.9	A5		16	1473	A -6 1166
70		5.1T	21 56.259	-0.0007	04	-0 56 16.14	0.133	03	0.21	56.294	10	00.3	22.78	09	99.9	G5		GC	6654	B* -1 886
71		3.4M	21 57.676	-0.0002	02	-2 26 29.58	0.001	02	0.14	57.685	04	97.0	29.65	06	89.4	B1	J	F3	200D	*
72		9.0A	21 58.501	-0.0019	13	-3 0 58.20	-0.003	13	0.27	58.532	16	33.9	58.16	16	33.9	K0	R	17	1536	A -3 1090
73		8.8A	21 58.638	-0.0022	12	-3 19 22.48	0.000	13	0.26	58.674	16	33.9	22.48	16	33.9	A2		17	1537	A -3 1091
74		9.1A	22 2.194	-0.0010	12	-6 11 28.89	-0.018	12	0.25	2.208	16	33.9	28.61	16	33.9	M8	R	16	1474	A -6 1167
75		8.0B	22 9.494	-0.0016	08	-2 32 31.34	0.005	07	0.40	9.572	14	00.8	31.62	14	97.9	B8		GC	6661K	-2 1237
76		8.8A	22 12.447	-0.0020	09	-0 52 48.46	-0.013	11	0.22	12.473	17	37.0	48.29	17	37.0	K0		21	1299	A -0 941
77		9.0A	22 18.011	-0.0015	13	-5 35 35.78	-0.001	13	0.27	18.035	16	33.9	35.78	16	33.9	G0		17	1539	A -5 1244
78		9.0A	22 20.076	0.0001	13	-7 44 47.22	-0.015	13	0.27	20.074	16	33.9	46.99	16	33.9	G5		16	1475	A -7 1068
79		9.0A	22 24.737	0.0002	13	-4 36 30.80	-0.027	13	0.27	24.735	16	33.9	30.37	16	33.9	F8		17	1540	A -4 1116
80		9.0A	22 25.910	-0.0014	12	-9 16 25.64	0.023	12	0.25	25.933	16	33.9	26.01	16	33.9	A2		16	1476K	A -9 1145
81		8.0A	22 30.711	-0.0005	13	-2 51 33.78	-0.016	13	0.27	30.719	16	33.9	33.53	16	33.9	B8		17	1541	A -2 1241
82		8.5A	22 36.874	-0.0025	12	-2 29 54.24	-0.104	12	0.25	36.915	16	33.9	52.57	16	33.9	F5		17	1542	A -2 1242
83		8.8A	22 41.032	-0.0010	12	-8 46 1.75	0.008	12	0.25	41.049	16	33.9	1.88	16	33.9	A3		16	1477	A -8 1117
84		8.1A	22 54.670	-0.0012	12	-7 44 23.46	0.021	12	0.25	54.690	16	33.9	23.80	16	33.9	K5		16	1479	A -7 1071
85		9.0A	22 57.757	-0.0020	12	-4 45 47.94	-0.023	12	0.25	57.790	16	33.9	47.57	16	33.9	F5		17	1543	A -4 1119
86		6.2T	22 58.051	0.0005	12	-0 35 14.04	-0.006	16	0.71	58.026	18	00.2	13.74	19	03.6	B9		GC	6676K	B* -0 945
87		9.0A	23 4.384	-0.0025	13	-3 55 34.37	-0.034	13	0.27	4.425	16	33.9	33.83	16	33.9	F8		17	1544	A -4 1121
88		7.5A	23 4.498	-0.0007	09	-1 32 4.20	0.002	11	0.22	4.507	17	37.0	4.23	17	37.0	B3		21	1303	A -1 889
89		8.5A	23 7.505	-0.0011	13	-5 12 0.48	-0.016	13	0.27	7.523	16	33.9	0.22	16	33.9	K0		17	1545	A -5 1245
90		8.5A	23 11.784	-0.0007	12	-2 4 59.93	0.012	13	0.26	11.796	16	33.9	0.13	16	33.9	K0		17	1546	A -2 1245
91		9.0A	23 12.965	-0.0009	12	-4 0 35.42	0.011	12	0.25	12.980	16	33.9	35.60	16	33.9	F2	R	17	1547	A -4 1122
92		7.7A	23 16.129	0.0004	12	-9 35 43.45	-0.012	12	0.25	16.122	16	33.9	43.26	16	33.9	K0		16	1480	A -9 1150
93		8.5A	23 22.286	-0.0030	11	-3 40 30.23	-0.024	11	0.23	22.334	16	33.9	29.85	16	33.9	G0		17	1549	A -5 1246
94		9.0A	23 24.837	0.0001	13	-2 22 42.24	-0.014	13	0.27	24.837	16	33.9	42.02	16	33.9	B8	R	17	1548	A -2 1246
95		7.7A	23 27.305	-0.0098	12	-6 24 18.44	-0.033	12	0.25	27.458	16	33.9	17.92	16	33.9	F8		16	1481	A -6 1175
96		9.0A	23 29.357	-0.0004	14	-0 48 7.01	-0.022	14	0.25	29.362	17	37.0	6.71	17	37.0	F0	R	21	1307	A* -0 946
97		8.0A	23 29.599	-0.0013	13	-6 2 3.36	-0.016	13	0.27	29.619	16	33.9	3.11	16	33.9	K5		17	1551	A -6 1176
98		9.5A	23 29.700	-0.0022	13	-5 0 15.57	0.035	13	0.27	29.736	16	33.9	16.14	16	33.9	K2	R	17	1550	A -5 1096
99		8.5A	23 34.109	-0.0006	11	-7 0 20.89	0.011	13	0.25	34.119	16	33.9	21.07	16	33.9	A3		16	1483	A -7 1075
00		6.1T	23 35.037	0.0005	13	-5 33 39.57	0.008	12	0.67	35.011	17	98.3	40.01	17	97.6	B9		GC	6694	-5 1247

- 0° 5H

132100

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ_s s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	− 0° 5H DM NUMBER
1		9.0A	5 23 37.595	0.0001	13	-5 31 30.63	-0.032	13	0.27	37.593	16	33.9	39.12	16	33.9		17	1554	A -5 1248
2		8.5A	23 40.784	0.0081	12	-9 8 7.36	0.085	12	0.25	40.807	16	33.9	8.91	16	33.9	F5	16	1484	A -9 1153
3		8.5A	23 46.126	-0.0008	13	-3 7 6.46	-0.003	13	0.27	46.137	16	33.9	6.42	16	33.9	A0	17	1555	A -3 1087
4		9.3A	23 48.704	-0.0032	12	-6 36 10.31	-0.036	12	0.25	49.756	16	33.9	9.74	16	33.9	G0 R	16	1485	A -6 1177
5		9.3A	23 50.503	-0.0012	09	-7 18 28.37	0.004	09	0.22	50.523	16	33.9	28.44	16	33.9	A	16	1486	A -7 1076
6		8.5A	24 1.635	-0.0005	12	-5 41 15.74	0.013	12	0.25	1.643	16	33.9	15.96	16	33.9	A0	17	1557	A -5 1251
7		9.0A	24 2.128	-0.0011	13	-4 40 33.58	0.001	13	0.27	2.140	16	33.8	33.60	16	33.9	A0 R	17	1556	A -4 1126
8		8.2A	24 6.657	-0.0005	09	-1 54 22.16	-0.003	11	0.23	6.614	17	37.0	22.12	17	37.0	A0 R	21	1311	A -1 893
9		9.0A	24 10.581	0.0009	11	-4 17 13.37	0.070	11	0.23	10.537	16	33.9	14.50	16	33.9	G0 R	17	1558	A -4 1128
10		9.0A	24 13.313	-0.0008	12	-3 11 34.91	0.003	12	0.25	13.358	16	33.9	34.95	16	33.9	A2 R	17	1559	A -3 1252
11		9.0A	24 15.135	-0.0003	13	-4 5 53.52	0.011	13	0.27	15.140	16	33.9	53.70	16	33.9	F2	17	1560	A -4 1131
12		8.2A	24 16.881	-0.0012	12	-6 32 22.34	-0.001	12	0.25	16.898	16	33.9	22.33	16	33.9	K5	16	1487	A -6 1180
13		8.8A	24 21.736	0.0008	12	-9 25 40.09	-0.008	12	0.25	21.733	16	33.9	39.64	16	33.9	K2 R	16	1488	A -9 1155
14		9.0A	24 23.874	0.0015	09	-0 5 54.85	-0.015	11	0.23	23.855	17	37.0	54.66	17	37.0	A2 R	21	1313	A -0 951
15		8.6A	24 27.981	-0.0004	12	-6 34 29.43	0.006	12	0.25	27.987	16	33.9	29.53	16	33.9	F8	16	1489	A -6 1181
16		6.6T	24 28.188	-0.0000	09	-2 24 7.56	-0.002	07	0.44	28.167	12	97.8	7.48	12	94.9	B5	GC	6716	B* -2 1250
17		8.6A	24 29.683	-0.0004	12	-4 20 26.07	-0.003	12	0.25	29.733	16	33.9	26.02	16	33.9	K2	17	1562	A -4 1132
18		8.8A	24 31.767	0.0005	09	-0 24 44.17	-0.022	11	0.23	31.760	17	37.0	43.86	17	37.0	G0 R	21	1314	A -0 952
19		8.0A	24 34.901	-0.0019	09	-1 7 30.51	0.053	11	0.23	34.925	17	37.0	31.19	17	37.0	F2	21	1315	A -1 896
20		9.3A	24 36.757	0.0010	14	-1 52 21.44	0.003	14	0.25	36.744	17	37.0	21.48	17	37.0	A2 R	21	1317	A* -1 898
21		8.2A	24 37.847	0.0004	09	-1 24 30.72	0.011	11	0.23	37.243	17	37.0	30.86	17	37.0	B3	21	1316	A -1 897
22		9.5A	24 41.674	-0.0000	11	-2 33 42.06	0.002	11	0.25	41.674	16	33.9	42.04	16	33.9	F5 R	17	1563	A -2 1251
23		9.0A	24 47.498	-0.0001	13	-4 28 35.14	-0.009	13	0.27	47.498	16	33.9	33.00	16	33.9	K2	17	1564	A -4 1133
24		9.2A	24 50.108	-0.0010	13	-6 7 1.35	-0.011	13	0.27	50.124	16	33.9	1.18	16	33.9	F0 R	16	1490	A -6 1184
25		9.0A	24 52.047	-0.0011	13	-4 19 11.71	-0.006	13	0.27	52.065	16	33.9	11.30	16	33.9	G5	17	1565	A -4 1134
26		9.1A	24 58.957	-0.0018	12	-6 39 53.71	-0.013	12	0.25	58.986	16	33.9	53.51	16	33.9	A5	16	1491	A -6 1185
27		9.3A	1.714	-0.0010	12	-8 32 37.69	-0.012	12	0.25	1.730	16	33.9	37.50	16	33.9	F2 R	16	1492	A -8 1125
28		9.5A	3.537	-0.0005	12	-6 58 8.38	-0.007	12	0.25	3.545	16	33.9	8.28	16	33.9	A0	16	1493	A -7 1081
29		9.2A	7.167	-0.0004	09	-2 0 28.46	-0.010	11	0.21	7.171	17	37.5	28.34	17	37.5	A2 R	21	1322	A -2 1253
30		9.1A	7.176	-0.0031	09	-0 26 30.30	-0.016	11	0.21	7.215	17	37.5	30.10	17	37.5	F8 R	21	1320	A -0 956
31		8.6A	9.829	-0.0001	09	-0 17 59.35	0.004	11	0.21	9.831	17	37.5	59.40	17	37.5	B9	21	1321	A -0 958
32		8.5A	11.148	-0.0018	11	-5 17 47.39	-0.006	11	0.23	11.175	16	33.9	47.29	16	33.9	K5	17	1568	A -5 1259
33		9.0A	11.587	-0.0010	12	-6 55 1.02	-0.004	12	0.25	11.603	16	33.9	0.95	16	33.9	A0	16	1495	A -7 1083
34		8.5A	13.073	-0.0007	09	-1 51 13.23	0.005	11	0.21	13.084	17	37.5	13.31	17	37.5	B8	21	1323	A -1 901
35		7.4T	14.525	-0.0002	10	-2 11 8.68	0.013	08	0.46	14.535	14	00.9	9.37	14	98.6	B3	GC	6735	B* -2 1254
36		8.2B	18.757	-0.0008	09	-8 22 4.43	-0.007	07	0.42	18.765	15	03.2	4.09	14	99.4	A5	GC	6739	-8 1128
37		9.0A	23.163	-0.0008	12	-7 25 25.42	0.010	12	0.25	23.177	16	33.9	23.59	16	33.9	G5	16	1498	A -7 1084
38		8.2A	34.703	-0.0038	09	-1 42 31.88	-0.080	11	0.21	34.752	17	37.5	31.27	17	37.5	F5	21	1328	A -1 905
39		9.1A	35.017	-0.0015	12	-7 42 1.48	-0.030	12	0.25	35.041	16	33.9	1.01	16	33.9	K2	16	1499	A -7 1086
40		9.0A	37.553	-0.0010	09	-2 30 45.25	-0.003	09	0.22	37.570	16	33.9	45.21	16	33.9	F5 R	17	1570	A -2 1257
41		8.6A	38.740	-0.0018	09	-1 48 42.57	0.001	11	0.21	38.763	17	37.5	42.58	17	37.5	A0	21	1330	A -1 906
42		8.6A	41.140	-0.0010	09	-1 58 52.61	-0.001	11	0.21	41.153	17	37.5	52.60	17	37.5	A	21	1331	A -2 1258
43		9.0A	43.857	-0.0011	13	-2 38 47.76	-0.008	13	0.27	43.876	16	33.9	47.67	16	33.9	G0 R	17	1573	A -2 1259
44		6.6T	91.982	-0.0012	08	-0 1 9.81	-0.016	08	0.34	92.042	07	07.6	9.15	07	09.1	B9	GC	6756	-0 960
45		8.6B	57.346	-0.0219	13	-3 31 41.78	-0.797	13	0.61	58.292	17	06.8	6.32	17	05.5	K0	GC	6757	B* -3 1110
46		7.5A	4.943	-0.0016	13	-4 44 11.86	0.002	13	0.27	4.969	16	33.9	11.30	16	33.9	A3	17	1575	A -4 1141
47		9.0A	8.342	-0.0034	09	-0 30 3.79	-0.009	11	0.21	8.384	17	37.5	3.68	17	37.5	A0	21	1334	A -0 963
48		9.0A	8.584	0.0002	13	-3 16 29.14	0.015	13	0.27	8.580	16	33.9	29.39	16	33.9	K2	17	1576	A -3 1111
49		8.3A	9.210	0.0002	11	-5 24 1.65	-0.008	11	0.23	9.175	16	33.9	0.55	16	33.9	F5	17	1578	A -5 1265
50		9.0A	9.787	-0.0004	13	-2 46 23.59	-0.010	13	0.27	9.794	16	33.9	23.43	16	33.9	B8	17	1577	A -2 1260
51		8.9A	11.651	-0.0001	13	-3 54 55.81	-0.002	13	0.27	11.652	16	33.9	54.49	16	33.9	G0	17	1579	A -3 1112
52		8.8A	11.687	-0.0008	12	-7 45 41.51	0.008	12	0.25	11.699	16	33.9	41.62	16	33.9	K2	16	1500	A -7 1088
53		9.2A	14.228	-0.0004	12	-6 28 30.25	-0.016	12	0.25	14.232	16	33.9	30.00	16	33.9	G5	16	1501	A -6 1193
54		6.9T	18.549	-0.0015	09	-0 24 58.42	-0.004	07	0.47	18.625	18	98.9	58.21	17	93.8	G5	GC	6766K	-0 1133
55		8.8A	19.533	-0.0014	09	-0 38 32.50	-0.000	11	0.21	19.550	17	37.5	32.49	17	37.5	B9	21	1335	A -0 964
56		8.8A	23.432	-0.0015	09	-1 48 0.01	-0.002	11	0.21	23.451	17	37.5	59.99	17	37.5	A0	21	1336K	A -1 909
57		6.2T	26.907	-0.0027	12	-3 20 47.46	-0.015	12	0.67	27.053	17	96.1	46.66	17	95.4	B9	GC	6771K	B* -3 1115
58		9.0A	30.109	0.0004	12	-2 2 17.85	0.010	12	0.25	30.103	16	33.9	18.02	16	33.9	A5 R	17	1582	A -2 1261
59		10.2B	30.214	0.0008	17	-4 44 23.41	-0.001	17	0.76	30.180	21	06.9	23.38	22	07.0	G0	GC	6773	-4 1144
60		9.0A	30.264	-0.0016	11	-8 15 11.05	-0.084	09	0.22	30.290	16	33.9	10.67	16	33.9	G5 R	16	1503	A -8 1134
61		8.9A	30.932	-0.0084	11	-2 48 54.41	0.010	11	0.23	30.971	16	33.9	54.57	16	33.9	A0	17	1583	A -2 1263
62		8.9A	32.392	-0.0084	13	-2 12 53.17	0.012	13	0.27	32.431	16	33.9	53.37	16	33.9	B9	17	1584	A -2 1262
63		7.5I	32.676	0.0029	14	-4 43 51.68	0.005	13	0.67	32.548	27	05.8	51.92	26	03.3	M7E	GC	6775V	B* -4 1146
64		8.0A	39.381	-0.0013	13	-5 29 1.82	-0.000	13	0.27	39.402	16	33.9	1.81	16	33.9	K2	17	1587	A -5 1268
65		8.4A	39.604	-0.0021	12	-6 40 25.94	0.011	12	0.25	39.838	16	33.9	26.12	16	33.9	K5	16	1504	A -6 1192
66		9.0A	41.193	-0.0002	12	-7 48 58.56	0.023	12	0.25	41.195	16	33.9	58.94	16	33.9	A5	16	1506	A -7 1089
67		8.0A	41.906	-0.0001	13	-5 49 47.58	0.010	13	0.27	41.906	16	33.9	47.75	16	33.9	B9	17	1588	A -5 1269
68		8.5A	49.748	-0.0020	12	-2 2 50.13	0.007	12	0.25	49.779	16	33.9	50.25	16	33.9	A0	17	1589	A -2 1266
69		8.5A	53.688	0.0005	09	-0 4 50.02	-0.006	11	0.21	53.660	17	37.5	49.96	17	37.5	A0	21	1343	A -0 968
70		6.1T	53.971	-0.0033	08	-3 29 5.26	-0.008	10	0.50	54.150	14	95.9	4.86	15	97.2	K0	GC	6779	-3 1116
71		9.2A	56.416	-0.0008	13	-7 35 54.60	0.025	13	0.27	56.429	16	33.9	55.01	16	33.9	G0 R	16	1507	A -7 1091
72		6.5T	0.071	-0.0011	09	-7 17 58.50	-0.042	06	0.46	0.132	18	94.2	55.92	15	87.9	B5	GC	6784	-7 1092
73		9.0B	0.994	0.0001	11	-1 13 37.41	-0.040	08	0.45	0.989	17	07.3	35.57	17	04.4	K0	GC	6785	-1 911
74		6.9T	3.982	0.0005	22	-0 3 34.13	-0.015	27	1.06	3.905	24	07.9	33.50	22	08.8	A0	GC	6788	-0 969
75		7.9B	8.618	0.0032	04	-0 90 24.07	-0.053	04	0.22	8.475	10	04.9	21.52	10	02.3	A2	GC	6790K	-0 970
76		5.0T	11.524	0.0000	03	-1 7 48.08	-0.022	03	0.19	11.524	09	96.2	46.75	07	90.5	K5	GC	6792K	B* -1 913
77		9.2A	16.555	-0.0005	11	-7 36 14.73	-0.029	12	0.24	16.563	16	33.9	14.27	16	33.9	F8 R	16	1509	A -7 1093
78		8.8A	17.051	-0.0014	09	-1 41 45.56	-0.002	11	0.21	17.069	17	37.5	45.54	17	37.5	A0	21	1349	A -1 914
79		8.9A	24.098	-0.0019	11	-7 40 51.71	0.014	11	0.23	24.128	16	33.9	51.94	16	33.9	A0	16	1510	A -7 1096
80		9.0A	24.321	-0.0002	09	-2 17 33.64	-0.020	09	0.22	24.325	16	33.9	33.32	16	33.9	A0	17	1592	A -2 1268
81		8.4A	27.412	-0.0001	12	-9 58 17.63	-0.025	12	0.25	27.413	16	33.9	17.23	16	33.9	K0	16	1511	A -10 1202
82		9.1A	27.451	-0.0026	11	-4 58 9.09	0.021	11	0.23	27.493	16	33.9	9.43	16	33.9	F8	17	1594	A -5 1273
83		9.5A	27.819	-0.0008	15	-1 37 42.31	0.000	15	0.29	27.829	16	33.9	42.31	16	33.9	G0 R	17	1593	A -1 917
84		8.2A	32.657	-0.0012	09	-1 47 14.26	0.014	11	0.21	32.672	17	37.5	14.44	17	37.5	B9	21	1350	A -1 918
85		9.0A	37.645	-0.0015	09	-1 3 57.37	-0.021	11	0.21	37.664	17	37.5	57.10	17	37.5	A0 R	21	1351	A -1 920
86		9.0A	39.963	-0.0020	12	-5 56 42.97	-0.004	13	0.26	40.015	16	33.9	42.92	16	33.9	G	17	1596	A -6 1197
87		8.9A	42.650	0.0006	13	-5 14 21.89	-0.018	13	0.27	42.640	16	33.9	21.59	16	33.9	A0	17	1597	A -5 1274
88		9.1A	48.648	-0.0002	09	-8 39 24.72	0.008	09	0.22	48.689	16	33.9	24.85	16	33.9	F0	16	1514	A -8 1142
89		9.0A	49.354	0.0003	13	-2 20 38.54	-0.121	13	0.27	49.350	16	33.9	34.60	16	33.9	G0	17	1598	A -2 1271
90		8.0A	49.405	-0.0021	12	-6 1 31.91	0.002	13	0.26	49.438	16	33.9	31.55	16	33.9	G5	17	1600	A -6 1200
91		8.3A	52.009	0.0003	12	-3 20 12.82	0.015	12	0.25	52.004	16	33.9	13.06	16	33.9	F2	17	1599	A -3 1117
92		6.2T	55.629	-0.0013	11	-7 28 20.03	0.000	12	0.60	55.695	15	98.8	20.05	15	99.1	B3	GC	6810	B* -7 1099
93		8.8A	55.629	-0.0008	12	-9 41 47.88	-0.024	12	0.25	55.638	16	33.6	47.49	16	33.6	F2 R	16	1516	A -9 1165
94		9.0A	56.378	-0.0009	09	-0 53 4.81	0.009	11	0.21	56.390	17	37.5	4.91	17	37.5	A0 R	21	1352	A -0 976
95		8.8A	59.780	-0.0008	12	-6 14 45.77	0.019	12	0.25	59.794	16	33.9	46.09	16	33.9	K0	16	1517	A -6 1202
96		8.8A	11.897	-0.0017	09	-0 26 37.61	-0.010	11	0.21	11.919	17	37.5	37.48	17	37.5	B9	21	1355K	A -0 977
97		8.8A	14.908	-0.0007	09	-0 0 30.22	0.004	11	0.21	14.917	17	37.5	30.27	17	37.5	B8	21	1356	A -0 978
98		8.5A	15.582	-0.0033	12	-5 31 40.39	-0.029	12	0.25	15.615	16	33.9	39.93	16	33.9	A0	17	1602	A -5 1277
99		8.8A	18.274	-0.0006	13	-2 24 11.88	-0.009	13	0.27	18.283	16	33.9	12.13	16	33.9	B9	17	1601	A -2 1274
00		8.0A	24.138	-0.0010	12	-4 17 28.86	-0.013	12	0.25	24.155	16	33.9	28.65	16	33.9	A2	17	1604	A -4 1152

132200

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ s	σ_μ .001"	δ_{1950} ° ′ ″	μ' ″	σ'_μ .001"	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ .01"	ep.	δ_2 ″	σ' .01"	ep.	SP.	SOURCE CAT.	STAR NUMBER	DM NUMBER
1		9.0A	5 28 25.345	-0.0004	09	-2 44 8.50	-0.015	09	0.22	25.352	16	33.9	8.26	16	33.9	B9	17	1603	A -2 1275
2		9.1A	28 32.212	-0.0018	11	-4 38 8.13	-0.025	11	0.23	32.241	16	33.9	7.73	16	33.9	G5	17	1605	A -4 1153
3		8.3A	28 33.554	-0.0015	12	-6 13 40.46	0.013	12	0.25	33.579	16	33.9	40.68	16	33.9	B9	16	1518	A -6 1204
4		8.8A	28 33.865	-0.0046	13	-3 21 27.88	-0.123	13	0.27	33.940	16	33.9	25.91	16	33.9	G5	17	1606	A -3 1120
5		8.7A	28 38.022	0.0021	13	-4 50 35.78	0.005	13	0.27	37.988	16	33.9	35.87	16	33.9	K2	17	1608	A -4 1155
6		9.0A	28 38.176	-0.0019	09	-3 14 2.16	0.016	09	0.22	38.208	16	33.9	2.42	16	33.9	G5	17	1607	A -3 1121
7		8.5A	28 49.228	-0.0021	11	-2 1 3.04	-0.001	11	0.23	49.262	16	33.9	3.03	16	33.9	B8	17	1609	A -2 1278
8		9.0B	28 49.936	0.0004	12	-2 8 7.93	-0.012	07	0.46	49.920	16	08.5	7.37	18	01.0	A0	GC	6833K	B* -2 1279
9		9.0A	28 51.305	-0.0005	12	-5 44 23.55	0.012	12	0.25	51.314	16	33.9	23.75	16	33.9	F8	17	1612	A -5 1281
10		8.0T	28 54.973	0.0003	13	-6 44 40.49	0.000	09	0.60	54.957	18	97.2	40.50	15	05.2	B3	GC	6835	B* -6 1207
11		8.4G	28 55.326	0.0512	15	-3 41 4.13	-2.099	14	0.62	53.222	15	08.9	35.33	14	07.7	K2	GC	6836	B* -3 1123
12		9.1A	28 59.682	-0.0040	14	-1 51 42.96	-0.001	20	0.28	59.732	17	37.5	42.95	17	37.5	A0	R 21	1359	A* -1 927
13		9.3A	29 0.977	-0.0002	11	-8 24 3.90	0.009	11	0.23	0.979	16	33.6	4.06	16	33.6	A0	R 16	1520	A -8 1151
14		9.0A	29 5.163	-0.0020	13	-5 5 28.34	-0.003	13	0.27	5.195	16	33.9	28.29	16	33.9	G5	17	1613	A -5 1282
15		9.0A	29 8.022	-0.0021	09	-1 9 43.03	-0.011	11	0.21	8.049	17	37.5	42.89	17	37.5	B9	21	1361	A -1 928
16		8.6A	29 11.294	-0.0015	09	-1 54 45.55	0.014	11	0.21	11.313	17	37.5	45.73	17	37.5	K0	21	1362	A -1 929
17		8.6T	29 13.675	-0.0002	13	-3 15 7.06	0.012	13	0.68	13.686	17	00.5	7.66	17	01.7	G5	GC	6839	-3 1126
18		7.9A	29 15.906	-0.0003	12	-7 5 3.11	0.037	12	0.25	15.910	16	33.9	3.71	16	33.9	B8	16	1521	A -7 1103
19		9.1A	29 26.462	-0.0012	12	-7 45 6.04	-0.001	12	0.25	26.481	16	33.9	6.03	16	33.9	A0	16	1522	A -7 1105
20		2.5H	29 27.017	-0.0002	01	-0 20 4.41	-0.001	01	0.03	27.025	02	07.6	4.37	02	05.1	B0	F4	206	-0 983
21		6.9T	29 27.041	0.0003	07	-0 19 11.87	-0.003	04	0.33	27.025	12	97.0	11.67	10	87.1	B0	GC	6848K	B* -0 982
22		4.6T	29 30.607	-0.0005	04	-7 20 12.87	-0.006	03	0.21	30.631	12	00.0	12.55	09	95.2	B3	GC	6850	B* -7 1106
23		9.0A	29 30.746	-0.0014	09	-0 27 51.96	0.010	11	0.21	30.764	17	37.5	52.08	17	37.5	A	R 21	1365	A -0 984
24		9.3A	29 33.707	0.0011	13	-7 51 26.22	0.014	13	0.27	33.688	16	33.6	26.46	16	33.6	F5	R 16	1524	A -7 1107
25		8.3A	29 41.068	-0.0013	12	-6 44 36.92	-0.004	12	0.25	41.089	16	33.9	36.86	16	33.9	B9	16	1525	A -6 1209
26		8.6A	29 41.162	-0.0022	09	-1 38 8.95	-0.008	11	0.21	41.190	17	37.5	8.85	17	37.5	B8	21	1366	A -1 933
27		9.0A	29 44.955	-0.0002	11	-4 12 22.06	0.001	11	0.23	44.959	16	33.9	22.08	16	33.9	K5	17	1616	A -4 1160
28		9.0A	29 46.259	-0.0007	13	-4 21 21.21	-0.022	13	0.27	46.271	16	33.9	20.86	16	33.9	K5	17	1617	A -4 1161
29		8.8A	29 46.343	-0.0000	13	-4 33 12.29	0.013	13	0.27	46.344	16	33.9	12.50	16	33.9	B9	17	1618	A -4 1162
30		8.4A	29 52.578	-0.0016	12	-6 25 38.93	0.005	12	0.25	52.603	16	33.9	39.02	16	33.9	A0	16	1527	A -6 1212
31		9.0A	29 58.567	-0.0008	09	-4 36 37.34	0.003	09	0.22	58.580	16	33.9	37.39	16	33.9	B9	17	1619	A -4 1163
32		8.9A	29 59.985	-0.0014	12	-6 19 47.02	-0.012	12	0.25	0.008	16	33.6	46.83	16	33.6	F0	R 16	1528	A -6 1214
33		6.6T	30 4.046	-0.0011	11	-0 1 22.03	-0.022	11	0.61	4.106	17	97.3	20.89	18	97.2	K5	GC	6860	-0 986
34		5.3T	30 9.454	-0.0004	06	-1 37 35.61	-0.009	05	0.29	9.470	12	04.3	35.21	10	05.2	B2	GC	6863K	B* -1 935
35		9.0A	30 10.247	-0.0013	09	-2 4 18.25	-0.009	09	0.22	10.268	16	33.9	18.11	16	33.9	B9	17	1620	A -2 1285
36		9.0A	30 11.284	-0.0034	13	-6 1 45.93	-0.031	13	0.27	11.339	16	33.9	45.44	16	33.9	K0	17	1621	A -6 1215
37		9.0A	30 13.506	-0.0013	11	-6 54 51.36	0.007	11	0.23	13.527	16	33.9	51.48	16	33.9	A0	16	1530	A -6 1216
38		8.8A	30 16.755	-0.0013	09	-0 44 50.94	0.001	11	0.21	16.772	17	37.5	50.96	17	37.5	B9	21	1371	A -0 988
39		8.7A	30 18.536	0.0007	13	-4 59 43.28	-0.010	13	0.27	18.524	16	33.9	43.12	16	33.9	A0	17	1623	A -5 1285
40		9.0A	30 18.548	-0.0017	13	-2 13 53.72	-0.005	13	0.27	18.575	16	33.9	53.64	16	33.9	B9	17	1622	A -2 1286
41		9.0A	30 23.343	-0.0007	12	-7 39 51.20	0.014	12	0.25	23.354	16	33.9	51.43	16	33.9	K	16	1531	A -7 1114
42		9.1A	30 25.417	-0.0023	13	-6 31 44.24	-0.010	13	0.27	25.454	16	33.9	44.09	16	33.9	A	16	1532	A -6 1218
43		8.9A	30 25.959	0.0015	13	-6 32 32.13	-0.131	13	0.27	25.934	16	33.9	30.03	16	33.9	A	16	1533	A -6 1217
44		8.0B	30 28.692	0.0004	09	-4 36 1.80	0.017	08	0.45	28.670	15	99.5	2.66	15	98.8	B5	GC	6874	-4 1164
45		8.4A	30 31.351	-0.0020	09	-1 16 30.79	0.007	11	0.21	31.376	17	37.5	30.88	17	37.5	B8	21	1372	A -1 938
46		9.2A	30 33.847	0.0003	09	-1 45 18.08	0.016	14	0.23	33.844	17	37.5	18.29	17	37.5		21	1373	*
47		6.7G	30 35.509	-0.0020	12	-1 45 7.21	-0.040	08	0.58	35.614	17	96.4	4.85	15	90.9	B3	GC	6878K	B* -1 939
48		9.3A	30 37.224	0.0008	13	-1 57 36.90	-0.016	13	0.27	37.210	16	33.9	36.64	16	33.9	A2	R 17	1625	A -2 1287
49		8.5A	30 39.918	-0.0011	13	-5 22 28.78	0.002	13	0.27	39.935	16	33.9	28.81	16	33.9	B9	17	1626	A -5 1289
50		9.0A	30 45.730	-0.0005	12	-4 40 8.17	-0.002	12	0.25	45.737	16	33.9	8.14	16	33.9	B9	17	1627	A -4 1165
51		9.0A	5 30 48.795	-0.0019	13	-4 23 14.89	-0.017	13	0.27	48.825	16	33.9	14.61	16	33.9	A0	17	1628	A -4 1166
52		8.7A	30 51.609	-0.0011	12	-7 37 15.99	-0.001	12	0.25	51.627	16	33.9	15.98	16	33.9	A0	16	1534	A -7 1115
53		9.0A	30 52.155	-0.0020	09	-0 49 3.46	-0.016	11	0.21	52.180	17	37.5	3.26	17	37.5	A0	21	1376	A -0 989
54		9.0A	30 54.316	-0.0005	09	-0 28 30.03	-0.013	11	0.21	54.323	17	37.5	29.87	17	37.5	K0	21	1377	A -0 990
55		5.3I	30 59.051	-0.0006	06	-1 11 22.96	0.001	05	0.27	59.074	12	07.5	23.01	10	08.0	B2	GC	6884V	B* -1 943
56		8.7A	30 59.878	-0.0025	12	-6 33 58.16	0.008	12	0.25	59.918	16	33.9	58.30	16	33.9	K2	16	1535	A -6 1224
57		8.8A	31 0.513	-0.0004	13	-3 8 34.53	-0.006	13	0.27	0.519	16	33.9	34.44	16	33.9	G5	17	1629	A -3 1135
58		8.8A	31 4.128	-0.0015	12	-9 25 35.41	-0.010	12	0.25	4.153	16	33.9	35.25	16	33.9	A5	16	1536	A -9 1175
59		7.0T	31 8.027	-0.0007	15	-3 29 47.71	-0.005	17	0.77	8.063	17	01.6	47.48	18	03.6	K2	GC	6888	-3 1136
60		8.9A	31 10.434	-0.0015	12	-6 24 49.94	0.066	12	0.25	10.459	16	33.9	51.01	16	33.9	G	16	1537	A -6 1225
61		8.8A	31 11.789	0.0006	09	-0 3 44.27	-0.001	11	0.21	11.782	17	37.5	44.26	17	37.5	A0	21	1379	A -0 992
62		9.1A	31 17.355	0.0005	09	-1 45 15.53	-0.026	11	0.21	17.349	17	37.5	15.21	17	37.5	B8	R 21	1381	A -1 946
63		8.8A	31 18.104	-0.0003	09	-0 6 35.83	-0.004	11	0.21	18.108	17	37.5	35.79	17	37.5	A0	21	1380	A -0 993
64		9.3A	31 26.086	-0.0003	12	-6 38 55.54	0.005	12	0.25	26.090	16	33.9	55.63	16	33.9	A0	16	1538	A -6 1226
65		9.1A	31 27.889	0.0003	11	-5 38 22.00	-0.045	11	0.23	27.884	16	33.9	21.29	16	33.9	F5	17	1632	A -5 1295
66		9.0A	31 28.751	-0.0011	09	-1 47 14.68	0.008	11	0.21	28.765	17	37.5	14.78	17	37.5	F2	R 21	1383	A -1 948
67		8.5A	31 29.094	-0.0004	09	-0 30 33.99	-0.009	11	0.21	29.100	17	37.5	33.88	17	37.5	B8	21	1382	A -0 996
68		8.8A	31 30.213	0.0013	13	-9 4 52.70	-0.019	13	0.27	30.192	16	33.9	52.40	16	33.9	F5	16	1539	A -9 1176
69		6.2T	31 31.343	0.0002	16	-1 4 6.93	0.002	13	0.69	31.332	17	04.5	7.03	17	03.0	B3	GC	6893	B* -1 949
70		6.2T	31 32.059	-0.0011	12	-1 30 11.03	-0.033	12	0.64	32.114	17	98.8	9.38	18	99.7	K0	GC	6894	-1 950
71		6.6T	31 36.932	-0.0017	18	-7 3 22.66	-0.051	18	0.97	37.022	19	97.9	19.99	18	97.4	K0	GC	6895	-7 1119
72		8.2A	31 38.216	0.0002	09	-1 56 5.43	0.004	09	0.22	38.212	16	33.9	5.50	16	33.9	B9	17	1633	A -2 1294
73		8.4A	31 39.667	-0.0017	12	-6 52 15.40	0.008	12	0.25	39.695	16	33.9	15.54	16	33.9	B9	16	1541	A -6 1227
74		7.8A	31 44.479	-0.0012	12	-2 54 51.25	0.017	12	0.25	44.499	16	33.9	51.52	16	33.9	B5	17	1634	A -2 1296
75		8.5A	31 46.604	-0.0022	12	-2 25 4.92	0.008	12	0.25	46.639	16	33.9	5.05	16	33.9	B9	17	1635	A -2 1297
76		9.0A	31 52.001	-0.0013	09	-0 47 45.13	-0.011	11	0.21	52.018	17	37.5	45.00	17	37.5	B8	21	1388	A -0 999
77		6.6T	31 55.578	-0.0006	12	-0 2 40.91	-0.002	11	0.63	55.612	17	96.9	40.83	18	97.1	G5	GC	6899	-0 1000
78		6.8T	31 55.922	0.0011	08	-4 50 13.71	-0.003	07	0.43	55.859	15	95.2	13.53	14	92.9	A3	GC	6900	-4 1167
79		9.0A	31 57.597	0.0000	13	-4 24 12.82	0.008	13	0.27	57.597	16	33.9	12.95	16	33.9	B9	17	1637	A -4 1168
80		9.0A	31 59.472	-0.0003	12	-7 25 18.96	-0.002	12	0.25	59.477	16	33.9	18.93	16	33.9	A0	16	1542	A -7 1122
81		8.8A	32 0.424	-0.0010	09	-0 25 8.16	-0.004	11	0.21	0.437	17	37.5	8.14	17	37.5	B9	21	1390	A -0 1002
82		8.0B	32 3.932	0.0003	13	-4 31 12.78	-0.027	09	0.55	3.916	17	04.6	11.43	17	00.5	B9	GC	6905K	B* -4 1171
83		8.2A	32 5.423	-0.0002	12	-8 14 21.74	-0.022	12	0.25	5.427	16	33.9	21.40	16	33.9	F2	16	1544	A -8 1167
84		8.5A	32 11.327	0.0012	13	-3 42 41.49	-0.014	13	0.27	11.307	16	33.9	41.26	16	33.9	K0	17	1639	A -3 1141
85		8.0B	32 14.652	0.0015	10	-4 25 27.60	-0.000	07	0.49	14.576	17	00.7	27.60	15	95.7	B8	GC	6911K	B* -4 1172
86		8.2A	32 15.601	-0.0012	09	-0 59 10.62	0.042	11	0.21	15.617	17	37.5	11.15	17	37.5	G5	21	1391	A -1 953
87		10.0A	32 16.965	-0.0008	13	-6 1 23.78	0.019	13	0.27	16.979	16	33.6	24.10	16	33.6	G0	R 17	1641	A -6 1230
88		8.3A	32 19.696	-0.0010	13	-5 36 10.68	-0.041	13	0.27	19.713	16	33.9	10.01	16	33.9	B9	17	1642	A -5 1305
89		9.2B	32 22.350	-0.0002	12	-6 2 17.73	0.006	07	0.47	22.339	17	07.1	18.04	17	00.7	A	GC	6912	-6 1231
90		6.9T	32 22.634	-0.0000	18	-7 13 55.66	0.002	17	0.93	22.636	18	98.5	55.79	19	98.4	K0	GC	6913	-7 1124
91		7.7G	32 22.878	-0.0012	08	-0 9 16.95	-0.011	04	0.33	22.931	15	07.3	16.36	15	94.3	B5	GC	6914K	-0 1005
92		6.7T	32 24.919	-0.0028	14	-4 8 32.20	0.006	15	0.70	25.050	17	02.5	32.48	18	03.9	B9	GC	6918	-4 1173
93		8.8A	32 27.481	-0.0019	09	-0 50 50.99	-0.004	11	0.21	27.505	17	37.5	50.95	17	37.5	B9	21	1394	A -0 1006
94		9.3A	32 28.033	0.0003	13	-4 47 52.17	-0.002	13	0.27	28.028	16	33.9	52.14	16	33.9	B8	17	1645	A -4 1175
95		8.7A	32 29.090	-0.0009	13	-9 56 34.42	-0.006	13	0.27	29.105	16	33.9	34.32	16	33.9	A5	16	1547	A -10 1228
96		8.5A	32 30.295	-0.0016	11	-4 23 9.94	-0.012	11	0.23	30.321	16	33.9	9.74	16	33.9	B8	17	1646	A -4 1176
97		8.6A	32 32.608	-0.0022	12	-8 0 19.92	0.007	12	0.25	32.644	16	33.9	20.04	16	33.9	G5	16	1549	A -8 1168
98		5.6T	32 34.211	-0.0011	09	-6 2 27.89	0.000	05	0.41	34.268	15	95.3	27.91	12	99.5	B1	GC	6925K	-6 1233
99		9.0A	32 35.050	-0.0016	17	-4 24 59.76	0.031	17	0.31	35.076	16	33.9	0.26	16	33.9	A0	17	1647	A -4 1178
00		8.2A	32 35.777	-0.0005	09	-0 18 4.35	0.009	11	0.21	35.783	17	37.5	4.47	17	37.5	B8	21	1395	A -0 1007

- 00 5H

132300

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	EPOCH 1950 μ s	EPOCH 1950 σ_μ ″.001	EPOCH 1950 δ_{1950} ° ′ ″	EPOCH 1950 μ' ″	EPOCH 1950 $\sigma_{\mu'}$ ″.001	EPOCH 1950 σ_{1950} ″	ORIGINAL EPOCH α_2 s	ORIGINAL EPOCH σ ″.01	ORIGINAL EPOCH ep.	ORIGINAL EPOCH δ_2 ″	ORIGINAL EPOCH σ' ″.01	ORIGINAL EPOCH ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	− 0° 5H DM NUMBER
1		4.7T	5 32 35.936	-0.0001	05	-6 2 1.58	0.002	04	0.25	35.938	10	00.9	1.70	09	99.5	B1	GC	6826K	-6 1234
2		8.0A	32 36.547	0.0003	13	-4 45 48.56	-0.000	13	0.27	36.543	16	33.9	48.56	16	33.9	B5	17	1649	A -4 1179
3		8.3A	32 38.464	-0.0027	12	-5 14 9.71	0.015	12	0.25	38.507	16	33.9	9.95	16	33.9	B8	17	1652	A -5 1311
4		9.0A	32 39.699	-0.0011	15	-3 44 30.41	-0.050	15	0.29	39.716	16	33.9	29.60	16	33.9	F8	17	1651	A -3 1142
5		8.2A	32 39.886	-0.0012	09	-0 46 1.02	0.002	11	0.21	39.901	17	37.5	1.05	17	37.5	B3	21	1397	A -0 1009
6		9.0A	32 40.668	-0.0023	13	-5 54 2.26	0.016	13	0.27	40.706	16	33.9	2.56	16	33.9	B9	17	1655	A -5 1312
7		9.7A	32 41.972	-0.0004	12	-6 35 42.52	0.023	12	0.25	41.980	16	33.9	42.70	16	33.9	A0	16	1552	A -6 1256
8		9.0A	32 42.470	0.0007	15	-5 29 47.08	0.003	15	0.27	42.458	16	33.9	47.13	16	33.9	B	17	1656	A -5 1313
9		9.0A	32 42.684	-0.0009	15	-2 24 46.25	0.001	15	0.29	42.838	16	33.9	46.27	16	33.9	A0	17	1653	A -2 1305
10		9.0A	32 43.577	-0.0017	15	-1 56 1.11	-0.016	15	0.29	43.604	16	33.9	0.86	16	33.9	A0	17	1654	A -2 1303
11		8.3A	32 44.155	-0.0007	17	-5 57 30.10	-0.007	17	0.31	44.166	16	33.9	29.98	16	33.9	B5	17	1658	A -6 1237
12		9.0A	32 44.804	-0.0016	13	-4 37 34.00	0.006	13	0.27	44.829	16	33.9	34.09	16	33.9	A0	17	1657	A -4 1180
13		9.0A	32 47.036	-0.0012	13	-5 51 29.53	0.007	13	0.27	47.055	16	33.9	29.65	16	33.9	B9	17	1659	A -5 1314
14		5.4T	32 48.995	-0.0001	02	-3 25 16.22	0.002	02	0.15	49.003	06	93.0	16.30	06	98.7	QE5	GC	6831K	B* -3 1315
15		8.2A	32 48.993	-0.0020	15	-6 3 51.46	-0.021	15	0.29	49.025	16	33.9	51.13	16	33.9	B5	17	1661	A -6 1240
16		9.0A	32 50.284	-0.0019	13	-5 5 47.85	0.012	13	0.27	50.314	16	33.9	48.04	16	33.9	A0	17	1662	A -5 1316
17		6.5T	32 53.307	-0.0011	13	-4 31 30.89	0.030	12	0.62	53.356	17	03.7	32.28	17	03.4	B0	GC	6832	-4 1183
18		8.8A	32 53.434	-0.0012	12	-8 18 44.80	0.024	12	0.25	53.453	16	33.9	45.20	16	33.9	A0	16	1556	A -8 1170
19		6.3T	32 53.808	0.0011	12	-4 27 22.12	-0.027	08	0.58	53.747	21	97.2	20.53	17	91.4	B0	GC	6833	-4 1184
20		4.6T	32 55.055	-0.0001	04	-4 52 10.72	-0.000	03	0.21	55.058	10	94.8	10.71	09	92.7	B3	GC	6834K	B* -4 1185
21		5.2T	32 55.449	-0.0003	03	-5 26 50.72	0.005	03	0.15	55.467	06	97.6	50.94	06	02.9	B1	GC	6835K	B* -5 1319
22		6.5T	32 58.911	-0.0013	08	-5 26 52.21	0.030	10	0.48	58.977	14	01.0	53.64	15	01.6	B1	GC	6836K	-5 1320
23		2.9H	32 59.126	-0.0003	01	-5 56 28.26	0.001	01	0.06	59.137	02	11.6	28.30	03	11.7	QE5	F4	209	-6 1241
24		8.8A	33 1.233	-0.0013	09	-1 32 38.64	0.007	11	0.21	1.250	17	37.5	38.73	17	37.5	F0	21	1402K	A -1 961
25		6.3T	33 2.404	-0.0002	11	-4 23 44.26	-0.021	08	0.58	2.412	17	94.7	42.98	15	89.2	B5	GC	6839K	B* -4 1186
26		9.0A	33 3.087	-0.0013	13	-4 56 7.35	-0.006	13	0.27	3.108	16	33.9	7.25	16	33.9	A	17	1671	A -5 1323
27		8.1A	33 3.154	-0.0011	13	-8 40 36.54	-0.006	13	0.27	3.171	16	33.9	36.44	16	33.9	A0	16	1558K	A -8 1171
28		9.0A	33 3.747	0.0003	13	-5 17 54.89	-0.005	13	0.27	3.742	16	33.9	54.80	16	33.9	B8	17	1673	A -5 1325
29		9.0A	33 3.963	-0.0009	17	-5 27 7.79	0.030	17	0.31	3.977	16	33.9	8.27	16	33.9	B8	17	1674	A -5 1326
30		9.2A	33 4.131	-0.0012	14	-1 48 43.50	0.006	14	0.25	4.146	17	37.5	43.58	17	37.5	A0	R 21	1403	A* -1 963
31		8.7A	33 5.248	0.0006	13	-4 52 7.25	-0.007	13	0.27	5.238	16	33.9	7.13	16	33.9	B5	17	1675	A -4 1187
32		6.3T	33 5.918	-0.0009	12	-3 17 2.12	-0.000	13	0.74	5.967	17	93.0	2.12	18	94.6	B5	GC	6843	-3 1146
33		9.0A	33 6.446	-0.0015	12	-5 8 14.03	-0.040	12	0.25	6.469	16	33.9	13.38	16	33.9	A0	17	1676	A -5 1327
34		9.1A	33 8.123	-0.0013	13	-6 6 51.75	0.008	13	0.27	8.144	16	33.9	51.89	16	33.9	A0	16	1559	A -6 1242
35		8.8A	33 9.916	-0.0012	13	-3 20 49.45	0.007	13	0.27	9.935	16	33.9	49.56	16	33.9	B8	17	1677	A -3 1146
36		5.3T	33 11.418	0.0002	04	-4 53 13.59	0.011	04	0.23	11.406	12	01.9	14.13	09	00.4	F0	GC	6845K	B* -4 1188
37		8.4G	33 15.418	-0.0001	12	-1 1 4.76	-0.023	07	0.46	15.420	18	10.0	3.70	18	03.4	B9	GC	6848K	-1 965
38		8.5A	33 15.538	-0.0019	12	-2 24 17.70	-0.020	12	0.25	15.568	16	33.9	17.38	16	33.9	F5	17	1679	A -2 1307
39		9.0A	33 15.799	0.0073	12	-7 24 22.91	0.145	12	0.25	15.681	16	33.9	25.25	16	33.9	G5	16	1560	A -7 1130
40		9.1A	33 19.422	-0.0006	13	-6 2 35.19	-0.027	13	0.27	19.430	16	33.9	34.76	16	33.9	F8	17	1680	A -6 1245
41		8.9A	33 27.285	-0.0015	09	-1 47 37.14	0.007	11	0.21	27.304	17	37.5	37.23	17	37.5	B9	21	1407	A -1 968
42		8.4A	33 30.726	-0.0019	09	-0 48 38.59	-0.015	11	0.21	30.749	17	37.5	38.41	17	37.5	B9	21	1408	A -0 1017
43		9.0A	33 31.030	-0.0011	13	-5 24 21.36	-0.000	13	0.27	31.048	16	33.9	21.35	16	33.9	A0	17	1683	A -5 1331
44		8.3A	33 32.779	-0.0008	12	-6 18 20.22	0.005	12	0.25	32.792	16	33.9	20.30	16	33.9	B9	16	1562	A -6 1247
45		7.8A	33 37.646	-0.0005	13	-4 27 22.50	-0.002	13	0.27	37.654	16	33.9	22.46	16	33.9	B5	17	1684	A -4 1190
46		1.7H	33 40.476	-0.0002	01	-1 13 56.30	-0.002	01	0.04	40.485	02	06.2	56.20	02	05.7	B0	F4	210	-1 969
47		7.3T	33 41.170	0.0006	18	-7 25 36.90	0.012	18	0.88	41.143	17	02.1	37.48	18	03.0	B9	GC	6961	-7 1131
48		8.8A	33 42.925	-0.0011	13	-2 17 21.00	-0.004	13	0.27	42.943	16	33.9	20.94	16	33.9	A0	17	1685	A -2 1309
49		8.8A	33 43.104	-0.0013	13	-5 5 29.70	-0.015	13	0.27	43.125	16	33.9	29.45	16	33.9	G0	17	1686	A -5 1333
50		8.6A	33 45.991	-0.0010	09	-1 39 56.64	0.000	11	0.21	46.003	17	37.5	56.65	17	37.5	B8	21	1410	A -1 971
51		6.5T	5 33 47.855	-0.0004	10	-5 40 41.66	-0.004	09	0.53	47.874	17	96.6	41.46	18	95.9	B3	GC	6964	-5 1334
52		9.4A	33 56.347	-0.0025	13	-1 47 3.85	0.011	13	0.27	56.388	16	33.6	4.04	16	33.6	K0	R 17	1688	A -1 972
53		8.5A	33 59.146	-0.0000	13	-2 0 50.08	0.001	13	0.27	59.146	16	33.9	50.10	16	33.9	B8	17	1689	A -2 1311
54		9.0A	33 59.731	-0.0003	12	-5 26 19.12	0.016	12	0.25	59.735	16	33.9	19.37	16	33.9	A0	17	1690	A -5 1335
55		9.0A	34 2.228	-0.0020	13	-5 47 59.64	-0.009	13	0.27	2.260	16	33.9	59.50	16	33.9	A2	17	1691	A -5 1336
56		8.8A	34 4.513	-0.0016	09	-1 3 28.65	-0.008	11	0.21	4.533	17	37.5	28.55	17	37.5	B9	21	1412	A -1 974
57		8.1A	34 4.731	-0.0004	13	-6 29 1.36	0.010	13	0.27	4.739	16	33.9	1.52	16	33.9	B9	16	1565	A -6 1254
58		8.6A	34 5.846	-0.0015	12	-9 59 35.89	-0.005	12	0.25	5.870	16	33.9	35.81	16	33.9	K0	16	1567	A -10 1234
59		5.6T	34 9.018	-0.0007	07	-6 5 41.29	-0.012	04	0.25	9.047	09	10.8	40.79	07	09.6	B3	GC	6971K	B* -6 1255
60		9.0A	34 10.971	0.0007	13	-5 9 39.87	0.010	13	0.27	10.959	16	33.9	40.02	16	33.9	A2	17	1694	A -5 1338
61		9.0A	34 12.052	0.0014	13	-3 19 25.95	0.026	13	0.27	12.029	16	33.9	26.36	16	33.9	K0	17	1692	A -3 1153
62		8.6A	34 19.548	-0.0004	12	-7 6 57.02	0.014	12	0.25	19.555	16	33.9	57.25	16	33.9	K0	16	1568	A -7 1132
63		9.3A	34 20.398	-0.0004	12	-7 22 52.96	0.023	12	0.25	20.405	16	33.6	53.35	16	33.6	F8	R 16	1569	A -7 1134
64		8.8A	34 24.403	-0.0022	09	-0 43 53.65	-0.019	11	0.21	24.431	17	37.5	53.42	17	37.5	B9	21	1414	A -0 1023
65		9.1A	34 29.955	-0.0030	13	-5 54 8.64	0.008	13	0.27	30.005	16	33.6	8.78	16	33.6	F8	R 17	1695	A -5 1339
66		9.1A	34 32.684	0.0005	13	-6 11 1.55	0.012	13	0.27	32.677	16	33.9	1.75	16	33.9	A0	16	1571	A -6 1257
67		9.0A	34 36.541	-0.0008	09	-0 13 31.53	0.006	11	0.21	36.551	17	37.5	31.61	17	37.5	A0	21	1415	A -0 1024
68		9.0A	34 38.622	-0.0006	09	-0 29 18.73	-0.012	11	0.21	38.630	17	37.5	18.58	17	37.5	A0	21	1416	A -0 1025
69		8.8A	34 42.698	-0.0011	09	-1 41 48.62	0.010	11	0.21	42.712	17	37.5	48.75	17	37.5	B9	21	1417	A -1 979
70		9.2A	34 48.682	-0.0016	11	-1 48 0.98	-0.013	11	0.23	48.707	16	33.9	0.77	16	33.9	A0	17	1696	A -1 980
71		8.5A	34 48.738	-0.0008	12	-8 33 19.67	0.009	12	0.25	48.751	16	33.9	19.81	16	33.9	G	16	1572	A -8 1178
72		8.7A	34 48.858	-0.0009	12	-8 32 6.25	-0.019	12	0.25	48.873	16	33.6	5.94	16	33.6		16	1573	A -8 1177
73		8.9A	34 51.974	-0.0011	13	-2 6 44.55	-0.006	13	0.27	51.992	16	33.9	44.46	16	33.9	F5	17	1697	A -2 1316
74		8.8G	34 56.871	-0.0001	09	-0 16 10.20	-0.016	07	0.42	56.878	18	03.4	9.34	15	95.2	A0	GC	6993	-0 1026
75		5.7T	35 0.553	0.0006	10	-5 58 1.68	0.002	08	0.37	0.532	14	12.0	1.78	12	13.3	B1	GC	6994	-6 1262
76		7.8A	35 2.717	-0.0006	09	-1 27 2.47	0.026	11	0.21	2.784	17	37.5	2.80	17	37.5	B8	21	1419	A* -1 982
77		9.3A	35 7.651	-0.0015	12	-9 16 4.81	0.002	12	0.25	7.677	16	33.6	4.85	16	33.6	A0	R 16	1575	A -9 1193
78		7.3T	35 8.736	-0.0004	09	-4 57 46.07	-0.001	07	0.47	8.755	15	95.2	46.00	15	93.6	B3	GC	6996	-5 1342
79		8.5A	35 9.553	-0.0005	13	-2 28 19.36	-0.016	13	0.27	9.561	16	33.9	19.10	16	33.9	A0	17	1699	A -2 1319
80		9.0A	35 12.072	0.0013	12	-5 7 8.05	-0.039	12	0.25	12.051	16	33.6	7.40	16	33.6	G0	R 17	1701	A -5 1344
81		8.2A	35 13.042	-0.0007	12	-8 13 43.88	0.022	12	0.25	13.053	16	33.9	44.24	16	33.9	A2	16	1576	A -8 1180
82		8.6A	35 13.049	-0.0004	09	-0 48 24.43	0.006	11	0.21	13.054	17	37.5	24.51	17	37.5	B8	21	1420	A -0 1031
83		8.8A	35 17.234	-0.0015	09	-1 36 51.96	-0.002	11	0.21	17.252	17	37.5	51.94	17	37.5	A2	21	1424	A -1 984
84		8.8A	35 21.109	-0.0025	11	-6 44 12.52	0.002	11	0.23	21.149	16	33.9	12.56	16	33.9	A0	16	1577K	A -6 1264
85		8.9A	35 23.767	-0.0015	09	-0 13 3.49	-0.011	11	0.21	23.786	17	37.5	3.36	17	37.5	A0	21	1425	A -0 1033
86		8.6A	35 24.921	-0.0023	13	-6 45 1.65	-0.001	13	0.27	24.957	16	33.9	1.64	16	33.9	B9	16	1578	A -6 1267
87		6.3T	35 25.284	-0.0001	11	-4 50 31.55	0.021	12	0.67	25.287	18	94.3	32.71	18	94.2	B1	GC	7001	-4 1196
88		8.6A	35 35.463	-0.0015	12	-6 25 17.90	-0.019	12	0.25	35.488	16	33.9	17.60	16	33.9	F5	16	1579	A -6 1269
89		8.9A	35 36.266	-0.0015	09	-1 46 48.90	-0.004	11	0.21	36.284	17	37.5	48.85	17	37.5	A0	21	1428	A -1 985
90		6.7T	35 41.374	0.0001	08	-1 11 49.89	-0.008	08	0.43	41.366	17	99.4	49.49	15	98.8	B3	GC	7010	-1 987
91		9.2A	35 42.960	-0.0016	12	-7 46 54.47	-0.008	12	0.25	42.985	16	33.9	54.35	16	33.9	A	16	1580	A -7 1139
92		6.8T	35 46.259	0.0003	12	-4 8 9.81	-0.039	14	0.60	46.244	15	05.6	8.09	18	05.9	A2	GC	7012	-4 1198
93		9.0A	35 47.051	-0.0023	12	-5 26 53.43	0.019	12	0.25	47.087	16	33.9	53.73	16	33.9	A0	17	1706	A -5 1346
94		9.0A	35 49.210	0.0002	13	-3 34 57.89	0.017	13	0.27	49.206	16	33.9	58.16	16	33.9	K2	17	1705	A -3 1162
95		9.0A	35 57.751	-0.0006	09	-0 10 31.57	-0.006	11	0.21	57.759	17	37.5	31.50	17	37.5	B9	21	1430	A -0 1036
96		8.0A	35 59.125	-0.0008	12	-5 4 19.67	-0.008	12	0.25	59.137	16	33.9	19.53	16	33.9	A2	17	1707	A -5 1347
97		8.4A	36 0.213	-0.0031	09	-1 5 10.37	-0.005	11	0.21	0.252	17	37.5	10.31	17	37.5	G0	21	1431	A -1 988
98		9.0A	36 2.531	-0.0025	13	-5 9 8.79	-0.022	13	0.27	2.572	16	33.9	8.43	16	33.9	A	17	1709	A -5 1348
99		9.4G	36 3.402	0.0003	08	-2 35 55.54	-0.003	11	0.49	3.384	19	99.8	55.40	17	02.1		GC	7020K	-2 1323
00		8.9G	36 4.047	0.0000	15	-2 35 56.74	-0.043	08	0.53	4.046	22	12.0	54.72	21	03.0	B9	GC	7021K	-2 1323

132400 — 0° 5H

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.		SOURCE CAT.	STAR NUMBER	DM NUMBER
1		8.6g	5 36 5.624	-0.0036	18	-2 34 51.16	0.012	11	0.66	5.764	21	10.8	51.73	19	02.3	B9		GC	7022K	-2 1324
2		8.7A	36 8.130	-0.0019	12	-6 11 28.61	0.005	12	0.25	8.161	16	33.9	28.69	16	33.9	B9		16	1582	A -6 1274
3		9.0A	36 8.676	-0.0039	13	-5 12 28.88	0.025	13	0.27	8.739	16	33.6	29.28	16	33.6	K0	R	17	1710	A -5 1349
4		9.1A	36 9.200	-0.0021	12	-7 25 40.80	0.015	12	0.25	9.233	16	33.9	41.05	16	33.9	G0		16	1583	A -7 1141
5		5.9T	36 11.835	-0.0014	15	-6 36 4.41	0.002	09	0.58	11.911	18	97.2	4.52	15	06.3	B3		GC	7028	-6 1275
6		3.8M	36 14.048	-0.0002	02	-2 37 38.49	0.001	02	0.10	14.057	03	00.0	38.53	04	96.7	B0	J	F3	2130	*
7		6.8T	36 15.902	-0.0004	13	-8 29 54.94	-0.017	15	0.67	15.922	21	04.5	54.19	21	04.7	B9		GC	7033	-8 1163
8		6.5T	36 16.398	-0.0015	06	-2 37 17.58	0.012	07	0.40	16.479	14	94.1	18.25	14	94.0	B3		GC	7034K	-2 1327
9		9.0A	36 21.390	-0.0021	11	-4 17 55.45	0.029	11	0.23	21.423	16	33.9	55.91	16	33.9	A0		17	1713	A -4 1201
10		8.4A	36 22.781	0.0008	09	-1 11 49.74	-0.023	11	0.21	22.769	17	37.5	49.46	17	37.5	K0		21	1433	A -1 990
11		4.9T	36 27.836	-0.0012	04	-7 14 21.42	-0.054	03	0.25	27.917	14	84.4	18.44	09	94.4	A3		GC	7039	B* -7 1142
12		8.3A	36 30.804	-0.0005	12	-2 40 35.95	-0.011	12	0.25	30.812	16	33.9	33.77	16	33.9	B8		17	1714	A -2 1328
13		9.0A	36 32.443	-0.0035	09	-1 15 28.33	0.001	11	0.21	32.486	17	37.5	28.35	17	37.5	F2		21	1434	A -1 991
14		7.4T	36 34.703	-0.0003	11	-5 13 16.22	0.004	09	0.55	34.721	15	98.0	16.41	15	96.7	B8		GC	7043	-5 1351
15		8.9A	36 34.763	-0.0002	12	-6 31 26.95	0.003	12	0.25	34.765	16	33.9	27.01	16	33.9	A2		16	1587	A -6 1277
16		9.0A	36 34.825	-0.0009	11	-2 1 44.32	-0.009	11	0.23	34.839	16	33.9	44.18	16	33.9	B9		17	1715	A -2 1329
17		9.0A	36 35.766	-0.0004	12	-6 6 49.40	0.025	12	0.25	35.774	16	33.9	49.81	16	33.9	A0		16	1588	A -6 1278
18		9.3A	36 37.206	-0.0018	12	-8 49 20.41	0.002	12	0.25	37.236	16	33.6	20.44	16	33.6	F8	R	16	1590	A -8 1185
19		8.3A	36 38.576	-0.0012	13	-5 55 26.69	-0.033	13	0.27	38.596	16	33.9	26.17	16	33.9	F5		17	1717	A -5 1353
20		9.0A	36 44.218	-0.0005	13	-2 33 14.16	-0.019	13	0.27	44.226	16	33.9	13.86	16	33.9	A0		17	1718	A -2 1330
21		9.0A	36 45.679	-0.0023	12	-8 49 28.43	0.066	12	0.25	45.718	16	33.6	29.52	16	33.6	F5	R	16	1591	A -8 1187
22		8.8A	36 48.685	-0.0004	11	-4 42 42.07	0.009	11	0.23	48.691	16	33.9	42.21	16	33.9	K5		17	1719	A -4 1203
23		9.0A	36 53.298	0.0002	13	-4 48 16.81	-0.021	13	0.27	53.294	16	33.9	16.47	16	33.9	K0		17	1720	A -4 1204
24		6.0T	37 1.597	-0.0005	06	-3 35 26.08	-0.003	06	0.42	1.627	14	84.1	27.88	14	84.3	A5		GC	7056	-3 1166
25		6.4T	37 8.467	0.0001	09	-9 43 58.21	-0.015	08	0.32	8.462	10	17.3	57.69	12	14.8	B5		GC	7062	-9 1197
26		9.0A	37 16.230	0.0013	13	-5 4 51.54	0.298	13	0.27	16.208	16	33.9	56.33	16	33.9	G5		17	1722	A -5 1355
27		9.5A	37 18.569	-0.0008	12	-6 34 40.85	0.041	12	0.25	18.581	16	33.6	41.53	16	33.6	F8	R	16	1593	A -6 1280
28		8.5A	37 25.014	-0.0012	09	-1 57 9.48	0.000	09	0.22	25.033	16	33.9	9.49	16	33.9	B9		17	1723	A -2 1333
29		8.0A	37 25.507	-0.0017	13	-3 21 22.95	0.002	13	0.27	25.535	16	33.9	22.99	16	33.9	B9		17	1724	A -3 1167
30		9.0A	37 30.952	0.0002	12	-6 48 3.60	0.025	11	0.24	30.949	16	33.9	4.01	16	33.9	A0		16	1594	A -6 1281
31		8.9A	37 31.588	-0.0005	09	-1 44 18.85	0.001	14	0.23	31.595	17	37.5	18.87	17	37.5	A0		21	1440	A* -1 998
32		8.2A	37 31.904	-0.0006	09	-1 27 4.42	0.003	11	0.21	31.912	17	37.5	4.46	17	37.5	A2		21	1439	A -1 999
33		8.2A	37 34.052	-0.0020	09	-0 43 50.72	0.001	11	0.21	34.077	17	37.5	50.74	17	37.5	F5		21	1441	A -0 1044
34		8.8A	37 34.773	0.0013	09	-1 41 20.66	-0.107	11	0.21	34.756	17	37.5	19.33	17	37.5	G		21	1442	A -1 1000
35		9.0A	37 39.667	0.0029	12	-9 56 47.70	0.024	12	0.25	39.620	16	33.9	48.09	16	33.9	G5		16	1595	A -10 1252
36		8.3A	37 41.503	-0.0009	09	-1 29 17.43	0.003	11	0.21	41.514	17	37.5	17.47	17	37.5	B8		21	1444	A -1 1001
37		9.0A	37 42.213	-0.0021	11	-2 32 25.05	0.012	11	0.23	42.247	16	33.9	25.24	16	33.9	B9		17	1725	A -2 1335
38		9.0A	37 49.228	-0.0009	11	-2 27 39.91	0.000	11	0.23	49.242	16	33.9	39.92	16	33.9	B5		17	1726	A -2 1336
39		7.6g	37 50.097	0.0013	09	-3 27 8.69	-0.006	07	0.43	50.033	15	02.2	8.39	14	00.0	B8		GC	7077	-3 1168
40		8.2A	37 56.674	0.0003	11	-4 26 47.43	-0.000	11	0.23	56.669	16	33.9	47.43	16	33.9	B8		17	1728	A -4 1210
41		6.1T	38 6.857	0.0002	13	-2 51 0.63	0.010	13	0.68	6.844	17	99.6	1.13	17	00.6	B5		GC	7085	-2 1337
42		7.6T	38 7.695	0.0004	13	-7 41 5.48	-0.010	13	0.67	7.677	17	00.1	5.01	17	00.4	K0		GC	7086	-7 1148
43		9.4A	38 13.942	0.0000	13	-9 12 46.94	0.006	13	0.27	13.942	16	33.6	47.04	16	33.6	F8	R	16	1597	A -9 1201
44		2.0M	38 14.043	-0.0001	01	-1 58 2.98	-0.002	01	0.06	14.048	03	01.4	2.87	03	00.7	B0	J	F3	1631D	*
45		5.0T	38 18.256	-0.0011	06	-1 9 13.08	-0.006	05	0.26	18.308	10	04.9	12.82	09	04.5	B3		GC	7091	-1 1004
46		8.4A	38 24.343	-0.0009	09	-1 31 54.92	0.002	11	0.21	24.354	17	37.5	54.95	17	37.5	B5		21	1447	A -1 1005
47		8.5A	38 25.457	-0.0004	13	-5 35 27.29	-0.157	13	0.27	25.463	16	33.9	24.77	16	33.9	G5		17	1732	A -5 1359
48		9.1A	38 26.053	-0.0000	12	-2 51 27.39	-0.011	12	0.25	26.054	16	33.6	27.21	16	33.6	K5	R	17	1731	A -2 1341
49		8.0A	38 28.369	-0.0007	13	-3 52 3.70	0.016	13	0.27	28.380	16	33.9	3.95	16	33.9	K2		17	1733	A -3 1170
50		9.6A	38 30.648	0.0002	12	-8 36 11.63	-0.007	12	0.25	30.645	16	33.6	11.52	16	33.6	F8	R	16	1598	A -8 1196
51		8.5A	5 38 31.590	-0.0005	12	-2 19 43.67	-0.058	12	0.25	31.598	16	33.9	42.74	16	33.9	A5		17	1734	A -2 1343
52		8.5A	38 31.660	-0.0007	13	-2 44 28.97	-0.002	13	0.27	31.671	16	33.9	28.94	16	33.9	A0		17	1735	A -2 1344
53		8.7A	38 34.877	-0.0021	12	-9 49 18.63	0.020	12	0.25	34.911	16	33.9	18.95	16	33.9	G0		16	1600	A -9 1203
54		8.2A	38 36.102	0.0008	12	-8 4 43.76	-0.014	12	0.25	36.090	16	33.9	43.54	16	33.9	A0		16	1599	A -8 1197
55		8.5A	38 38.579	-0.0010	13	-3 39 24.05	0.018	13	0.27	38.595	16	33.9	24.32	16	33.9	B8		17	1736	A -3 1171
56		9.0A	38 44.960	-0.0014	09	-1 3 0.58	-0.034	11	0.21	44.978	17	37.5	0.16	17	37.5	G0		21	1449	A -1 1008
57		8.9A	38 47.782	-0.0019	09	-1 21 2.90	-0.014	11	0.21	47.806	17	37.5	2.73	17	37.5	A0		21	1450	A -1 1009
58		8.3A	38 56.759	-0.0002	12	-6 57 32.96	0.016	12	0.25	56.761	16	33.9	33.23	16	33.9	B8		16	1602	A -7 1151
59		9.1A	39 1.670	-0.0020	12	-6 47 33.43	0.012	12	0.25	1.703	16	33.9	33.63	16	33.9	A0		16	1603	A -6 1286
60		9.0A	39 1.684	-0.0006	13	-2 59 52.76	-0.014	13	0.27	1.693	16	33.9	52.53	16	33.9	B9		17	1737	A -3 1172
61		9.3A	39 2.602	-0.0014	09	-4 47 14.37	0.028	09	0.22	2.625	16	33.6	14.83	16	33.6	G0	R	17	1738	A -4 1217
62		9.2A	39 4.542	-0.0006	14	-1 42 43.75	-0.084	14	0.25	4.549	17	37.5	42.70	17	37.5	G5	R	21	1451	A* -1 1010
63		8.0A	39 6.545	-0.0004	12	-3 45 18.06	-0.018	12	0.25	6.551	16	33.9	17.77	16	33.9	A0		17	1740	A -3 1173
64		8.5A	39 7.286	0.0004	09	-2 16 58.30	-0.005	09	0.22	7.259	16	33.9	58.22	16	33.9	B3		17	1739	A -2 1345
65		6.3T	39 9.789	0.0024	06	-2 55 13.06	0.030	06	0.25	9.677	09	12.4	14.26	12	10.2	F0		GC	7116K	B* -2 1346
66		8.7A	39 13.379	-0.0012	11	-9 31 0.19	-0.015	11	0.23	13.399	16	33.9	59.95	16	33.9	F0		16	1604	A -9 1204
67		9.0A	39 19.895	-0.0012	13	-3 30 57.11	-0.008	13	0.27	19.914	16	33.9	56.98	16	33.9	F8		17	1742	A -3 1174
68		9.0A	39 21.508	-0.0007	12	-5 20 0.54	-0.067	12	0.25	21.519	16	33.9	59.46	16	33.9	G0		17	1744	A -5 1363
69		8.7A	39 22.325	-0.0004	13	-2 49 19.63	-0.007	13	0.27	22.332	16	33.9	19.52	16	33.9	B9		17	1743	A -2 1348
70		8.8A	39 50.599	0.0002	11	-3 20 40.20	0.010	11	0.23	50.596	16	33.9	40.36	16	33.9	A3		17	1745	A -3 1177
71		8.9A	39 57.070	-0.0012	12	-8 9 22.37	0.015	12	0.25	57.090	16	33.9	22.62	16	33.9	B9		16	1605	A -8 1199
72		7.8A	39 59.182	-0.0003	09	-0 2 19.21	-0.018	11	0.21	59.186	17	37.5	18.99	17	37.5	K0		21	1452	A -0 1059
73		8.0A	40 2.273	0.0001	12	-9 36 45.40	-0.079	12	0.25	2.272	16	33.9	44.13	16	33.9	K0		16	1606	A -9 1210
74		8.7A	40 16.231	0.0000	12	-7 21 36.47	-0.016	12	0.25	16.230	16	33.9	36.22	16	33.9	F5		16	1607	A -7 1153
75		8.5A	40 17.739	0.0002	09	-4 39 31.06	0.002	09	0.22	17.736	16	33.9	31.09	16	33.9	B8		17	1746	A -4 1223
76		9.0A	40 22.022	-0.0017	09	-3 13 25.10	-0.014	09	0.22	22.050	16	33.6	24.87	16	33.6	F0	R	17	1747	A -3 1178
77		6.0T	40 28.063	-0.0006	10	-6 49 9.13	0.067	08	0.45	28.098	15	94.8	12.40	12	01.4	F5		GC	7151K	B* -6 1293
78		8.5A	40 29.498	-0.0007	11	-2 20 5.13	-0.003	11	0.23	29.509	16	33.9	5.08	16	33.9	B8		17	1748	A -2 1350
79		8.3A	40 33.673	0.0029	11	-7 30 6.37	-0.077	11	0.23	33.626	16	33.9	5.14	16	33.9	G5		16	1609	A -7 1155
80		6.5T	40 37.441	-0.0001	09	-1 36 5.14	-0.028	07	0.45	37.445	12	96.6	3.75	12	96.3	K2		GC	7153	-1 1012
81		9.0A	40 38.271	-0.0013	13	-5 49 45.97	-0.012	13	0.27	38.292	16	33.9	45.77	16	33.9	A5		17	1750	A -5 1369
82		9.0A	40 42.107	-0.0012	12	-2 32 30.98	-0.032	12	0.25	42.126	16	33.6	30.45	16	33.6	F8	R	17	1749	A -2 1351
83		8.8A	40 44.002	0.0009	13	-5 1 8.87	-0.012	13	0.27	43.988	16	33.9	8.67	16	33.9	A0		17	1751	A -5 1370
84		9.3A	40 52.547	-0.0014	13	-8 29 31.72	-0.026	13	0.27	52.570	16	33.6	31.30	16	33.6	G5	R	16	1611	A -8 1203
85		8.7A	41 2.486	0.0011	12	-7 54 32.54	0.026	12	0.25	2.469	16	33.9	32.97	16	33.9	F8		16	1612K	A -7 1156
86		8.9A	41 8.246	-0.0008	12	-7 18 48.96	0.003	12	0.25	8.258	16	33.9	49.02	16	33.9	A0		16	1613	A -7 1158
87		9.3A	41 9.115	-0.0025	09	-4 58 36.70	0.002	09	0.22	9.155	16	33.6	36.73	16	33.6	G0	R	17	1752	A -5 1371
88		9.0A	41 11.129	-0.0015	09	-0 57 36.29	-0.022	11	0.21	11.148	17	37.5	36.02	17	37.5	B9		21	1459	A -1 1013
89		9.0A	41 15.132	-0.0021	12	-5 10 52.86	0.019	12	0.25	15.165	16	33.9	53.16	16	33.9	K2		17	1753	A -5 1373
90		7.8A	41 18.031	-0.0008	12	-8 57 31.68	0.038	12	0.25	18.044	16	33.9	32.29	16	33.9	B9		16	1614	A -9 1213
91		8.7A	41 23.790	-0.0010	11	-3 36 57.08	-0.000	11	0.23	23.805	16	33.9	57.07	16	33.9	A5		17	1754	A -3 1181
92		9.2A	41 33.533	-0.0012	11	-2 30 15.05	0.005	11	0.23	33.552	16	33.6	15.13	16	33.6	A2	R	17	1755K	A -2 1354
93		8.0A	41 34.353	-0.0018	09	-4 34 47.43	0.010	09	0.22	34.382	16	33.9	47.59	16	33.9	K0		17	1757	A -4 1227
94		9.0A	41 35.440	-0.0011	11	-2 5 45.64	0.021	11	0.23	35.458	16	33.6	45.99	16	33.6	A5	R	17	1756	A -2 1355
95		8.8A	41 36.696	0.0002	12	-6 45 14.63	0.008	12	0.25	36.694	16	33.9	14.77	16	33.9	A0		16	1615	A -6 1297
96		9.0A	41 37.997	0.0000	13	-2 31 24.05	-0.017	13	0.27	37.996	16	33.6	23.77	16	33.6	F8	R	17	1758	A -2 1356
97		8.8A	41 45.889	-0.0009	13	-2 21 49.79	0.014	13	0.27	45.903	16	33.9	50.02	16	33.9	A3		17	1759	A -2 1357
98		9.0A	41 48.007	0.0001	11	-9 27 45.27	-0.003	11	0.23	48.006	16	33.6	45.22	16	33.6	G0	R	16	1616	A -9 1216
99		9.1A	41 52.854	-0.0017	12	-7 29 50.82	0.004	12	0.25	52.881	16	33.9	50.89	16	33.9	G5		16	1618	A -7 1160
00		8.8A	41 53.590	0.0020	12	-6 46 22.38	0.025	12	0.25	53.559	16	33.9	22.79	16	33.9	F5		16	1617	A -6 1301

132500

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	EPOCH 1950 μ s	σ_μ .001"	EPOCH 1950 δ_{1950} ° ′ ″	EPOCH 1950 μ' ″	$\sigma_{\mu'}$ .001"	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ .01"	ep.	δ_2 ″	σ' .01"	ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	− 00° 5H DM NUMBER
1		8.5A	5 41 57.773	-0.0007	12	-2 55 54.78	-0.015	12	0.25	57.785	16	33.9	54.54	16	33.9	F2	17	1760	A -2 1358
2		7.8A	41 58.084	-0.0011	13	-5 29 5.27	-0.014	13	0.27	58.042	16	33.9	5.04	16	33.9	F2	17	1761	A -5 1379
3		9.0A	42 2.397	-0.0008	12	-7 21 6.32	-0.001	12	0.25	2.399	16	33.9	6.31	16	33.9	G	16	1620	A -7 1161
4		7.9A	42 3.384	-0.0017	13	-4 42 57.65	-0.003	13	0.27	3.422	16	33.9	57.60	16	33.9	A0	17	1762	A -4 1231
5		6.7T	42 7.385	-0.0002	14	-6 53 4.69	-0.002	13	0.74	7.387	17	27.7	4.60	17	06.3	A2	GC	7184	-6 1302
6		8.7A	42 18.455	0.0000	09	-0 41 33.29	-0.084	11	0.21	18.455	17	37.5	32.99	17	37.5	K0	21	1483	A -0 1074
7		8.8A	42 30.496	-0.0010	09	-2 31 16.93	-0.009	09	0.22	30.512	16	33.9	16.78	16	33.9	A0	17	1783	A -2 1363
8		8.9A	42 44.161	-0.0013	12	-8 57 54.75	-0.002	12	0.25	44.185	16	33.9	54.72	16	33.9	F0	16	1823	A -8 1221
9		9.0A	42 47.005	-0.0004	09	-4 14 46.07	0.011	09	0.22	47.011	16	33.6	46.25	16	33.6	F5 R	17	1785	A -4 1253
10		9.0A	42 47.905	-0.0010	11	-2 46 7.68	-0.010	11	0.23	47.921	16	33.6	7.51	16	33.6	F8 R	17	1784	A -2 1366
11		8.7A	42 52.110	-0.0010	11	-9 59 36.24	-0.022	11	0.23	52.128	16	33.9	35.88	16	33.9	A0	16	1824	A -10 1272
12		8.8A	42 56.482	0.0080	09	-1 38 0.61	-0.085	11	0.21	56.382	17	37.5	59.80	17	37.5	G0	21	1464	A -1 1019
13		9.2A	43 24.906	0.0002	13	-9 1 20.95	-0.034	13	0.27	24.903	16	33.6	20.39	16	33.6	G0 R	16	1825	A -9 1222
14		8.7A	43 32.710	-0.0021	13	-5 16 27.36	0.034	13	0.27	32.744	16	33.9	27.90	16	33.9	G5	17	1766	A -5 1307
15		6.4T	43 34.084	-0.0003	07	-4 17 9.47	-0.068	05	0.37	34.038	14	24.4	5.20	14	07.3	K0	GC	7219K	B* -4 1235
16		9.3A	43 38.014	-0.0007	12	-7 5 17.69	-0.028	12	0.25	39.026	16	33.6	17.24	16	33.6	F8 R	16	1628	A -7 1166
17		9.5A	43 43.105	-0.0021	12	-6 9 23.57	0.000	12	0.25	43.140	16	33.6	23.58	16	33.6	G0 R	16	1627	A -6 1308
18		8.5A	43 43.478	0.0007	13	-4 2 5.90	-0.086	13	0.27	43.466	16	33.9	5.48	16	33.9	K5	17	1768	A -4 1236
19		9.0A	43 51.701	0.0005	12	-5 52 9.03	0.007	12	0.25	51.693	16	33.6	43.15	16	33.6	K5 R	17	1769	A -5 1309
20		8.8A	43 52.996	-0.0037	12	-8 22 21.43	0.031	12	0.25	53.056	16	33.9	21.94	16	33.9	K0	16	1629	A -8 1212
21		9.0A	43 53.113	-0.0008	09	-0 46 30.52	-0.021	11	0.21	53.148	17	37.5	50.26	17	37.5	F0	21	1466	A -0 1081
22		8.8A	43 56.484	0.0011	13	-4 1 31.43	-0.013	13	0.27	56.465	16	33.9	31.22	16	33.9	B9	17	1770	A -4 1237
23		9.0A	43 59.949	-0.0005	12	-5 20 14.35	-0.008	12	0.25	59.955	16	33.9	14.21	16	33.9	A0	17	1771	A -5 1393
24		7.9A	44 7.257	-0.0016	12	-6 57 44.46	-0.019	12	0.25	7.230	16	33.9	44.16	16	33.9	F5	16	1630	A -7 1167
25		8.8A	44 14.458	-0.0015	12	-8 50 46.91	0.009	12	0.25	14.483	16	33.9	47.05	16	33.9	A0	16	1631	A -8 1215
26		9.2G	44 16.657	0.0000	10	-3 16 40.32	-0.009	06	0.42	16.656	19	08.1	39.85	19	97.2	K	GC	7233	-3 1192
27		8.5A	44 31.691	-0.0015	09	-5 9 7.81	-0.080	09	0.22	31.715	16	33.9	7.48	16	33.9	G5	17	1773	A -5 1395
28		8.9A	44 33.219	0.0001	09	-1 23 20.24	-0.086	11	0.21	33.218	17	37.5	19.92	17	37.5	A2	21	1470	A -1 1026
29		8.1A	44 35.358	-0.0001	12	-9 51 21.80	-0.019	12	0.25	35.359	16	33.9	21.49	16	33.9	K2	16	1632	A -9 1231
30		9.1A	44 36.391	-0.0003	11	-3 21 35.39	0.017	11	0.23	36.396	16	33.9	35.66	16	33.9	A0	17	1774	A -3 1196
31		9.2A	44 39.241	-0.0008	13	-7 51 46.67	0.011	13	0.27	39.253	16	33.9	46.86	16	33.9	G0	16	1633	A -7 1170
32		9.0A	44 49.701	0.0004	12	-4 28 56.53	0.038	12	0.25	49.684	16	33.9	57.14	16	33.9	G0	17	1775	A -4 1238
33		8.0A	44 53.788	-0.0013	12	-5 36 42.09	-0.031	12	0.25	53.809	16	33.9	41.60	16	33.9	K0	17	1776	A -5 1398
34		9.0A	44 55.450	0.0002	12	-5 30 19.30	0.005	12	0.25	55.447	16	33.9	19.39	16	33.9	A	17	1777	A -5 1399
35		9.0A	44 59.037	-0.0015	12	-6 23 29.59	-0.058	12	0.25	59.061	16	33.9	28.65	16	33.9	G0	16	1634	A -6 1311
36		8.8A	45 0.838	-0.0003	13	-8 43 56.89	-0.019	13	0.27	0.843	16	33.6	56.58	16	33.6	F2 R	16	1635	A -8 1215
37		8.0A	45 16.454	0.0008	13	-2 18 48.36	-0.023	13	0.27	16.442	16	33.9	48.00	16	33.9	K0	17	1778	A -2 1373
38		8.9A	45 17.620	-0.0006	12	-7 23 36.67	0.006	12	0.25	17.629	16	33.9	36.81	16	33.9	G5	16	1636	A -7 1172
39		7.6A	45 20.598	-0.0011	12	-6 27 4.73	0.005	12	0.25	20.615	16	33.9	4.80	16	33.9	B9	16	1637	A -6 1313
40		9.0A	45 21.962	-0.0031	12	-2 46 35.92	-0.034	12	0.25	22.013	16	33.6	35.36	16	33.6	K2 R	17	1779	A -2 1375
41		8.2A	45 22.808	0.0002	12	-9 32 14.01	0.010	12	0.25	22.805	16	33.9	14.30	16	33.9	K0	16	1638	A -9 1234
42		2.2H	45 23.013	-0.0002	01	-9 41 9.45	-0.005	01	0.04	23.023	02	11.6	9.26	02	11.2	B0	F4	220	-9 1235
43		8.1T	45 35.383	-0.0046	12	-8 20 34.39	-0.080	11	0.54	35.589	17	07.8	30.80	17	04.9	K0	GC	7274	-8 1218
44		8.5A	45 37.385	-0.0001	09	-0 45 53.07	-0.013	11	0.21	37.387	17	37.5	52.91	17	37.5	K0	21	1471	A -0 1086
45		8.6A	45 39.821	-0.0019	13	-6 8 42.97	-0.006	13	0.27	39.852	16	33.9	42.88	16	33.9	B8	16	1641	A -6 1314
46		9.0A	45 41.710	0.0003	13	-3 12 21.35	0.088	13	0.27	41.705	16	33.9	21.80	16	33.9	K	17	1780	A -3 1201
47		9.0A	45 42.388	-0.0021	13	-4 49 35.06	-0.031	13	0.27	42.421	16	33.9	34.56	16	33.9	G5	17	1781	A -4 1243
48		9.0A	45 43.955	0.0006	09	-0 41 8.47	-0.089	11	0.21	43.948	17	37.5	8.11	17	37.5	F2	21	1473	A -0 1088
49		7.1T	45 46.548	-0.0004	11	-8 23 57.62	0.004	07	0.45	46.567	17	06.0	58.03	17	09.8	B8	GC	7278K	-8 1219
50		8.2A	45 52.702	-0.0017	09	-0 46 30.72	-0.005	11	0.21	52.724	17	37.5	30.66	17	37.5	F0	21	1474	A -0 1089
51		8.4A	5 45 54.419	-0.0014	13	-6 39 41.30	0.005	13	0.27	54.442	16	33.9	41.39	16	33.9	A5	16	1643	A -6 1317
52		9.3A	46 0.689	-0.0001	12	-7 11 42.38	-0.086	12	0.25	0.691	16	33.9	41.97	16	33.9	G0	16	1644	A -7 1173
53		8.8A	46 3.034	0.0009	11	-5 21 37.84	-0.095	11	0.23	3.020	16	33.9	37.41	16	33.9	G0	17	1782	A -5 1405
54		6.0H	46 5.765	0.0037	02	-4 6 24.38	-0.216	03	0.07	5.675	04	25.9	18.57	04	23.1	G5	F4	1155	-4 1244
55		8.5A	46 9.094	-0.0012	12	-5 50 40.44	-0.001	12	0.25	9.114	16	33.9	40.43	16	33.9	A0	17	1785	A -5 1406
56		7.8A	46 9.337	-0.0004	12	-1 48 3.46	-0.011	12	0.25	9.344	16	33.9	3.29	16	33.9	K2	17	1784	A -1 1030
57		8.0A	46 13.462	0.0005	09	-1 31 2.62	-0.020	11	0.21	13.455	17	37.5	2.87	17	37.5	A5	21	1477	A -1 1031
58		8.3A	46 16.457	0.0052	12	-8 56 38.31	-0.142	12	0.25	16.373	16	33.9	36.03	16	33.9	G0	16	1646K	A -8 1223
59		8.7A	46 16.825	-0.0002	13	-9 52 30.54	-0.021	13	0.27	16.829	16	33.9	30.88	16	33.9	F8	16	1647	A -9 1240
60		8.8A	46 22.367	0.0034	09	-0 40 59.59	-0.085	11	0.21	22.324	17	37.5	58.53	17	37.5	F5	21	1478	A -0 1091
61		9.0A	46 24.950	-0.0014	13	-5 47 15.92	-0.063	13	0.27	24.972	16	33.9	14.90	16	33.9	G0	17	1786	A -5 1409
62		8.7A	46 27.613	-0.0014	12	-5 30 14.74	-0.084	12	0.25	27.635	16	33.9	14.35	16	33.9	A0	17	1787	A -5 1410
63		9.0A	46 30.306	-0.0007	12	-3 19 32.67	-0.025	12	0.25	30.317	16	33.9	32.26	16	33.9	F0	17	1788	A -3 1204
64		9.0A	46 32.111	0.0015	13	-1 54 49.21	-0.007	13	0.27	32.087	16	33.9	49.10	16	33.9	A2	17	1789	A -1 1032
65		9.1A	46 32.314	-0.0002	12	-9 43 47.47	-0.007	12	0.25	32.316	16	33.6	47.36	16	33.6	A2 R	16	1648	A -9 1242
66		8.5A	46 33.422	-0.0009	09	-1 46 22.37	0.005	11	0.21	33.434	17	37.5	22.44	17	37.5	G5	21	1480	A -1 1033
67		8.8A	46 33.686	-0.0008	12	-9 41 50.52	-0.049	12	0.25	33.701	16	33.9	49.73	16	33.9	F5	16	1649	A -9 1243
68		8.9A	46 41.825	-0.0015	13	-8 25 12.17	-0.006	13	0.27	41.849	16	33.9	12.08	16	33.9	F2	16	1650	A -8 1225
69		8.8A	46 53.280	-0.0009	11	-9 23 32.74	0.042	11	0.23	53.294	16	33.9	33.42	16	33.9	F5	16	1651	A -9 1244
70		7.9A	46 59.717	-0.0013	09	-0 41 46.03	-0.012	11	0.21	59.733	17	37.5	45.88	17	37.5	A0	21	1481	A -0 1095
71		9.2A	47 1.133	0.0012	11	-6 36 25.74	-0.046	11	0.23	1.115	16	33.9	25.01	16	33.9	G0	16	1652	A -6 1322
72		8.7A	47 5.591	0.0080	12	-7 0 4.91	-0.012	12	0.25	5.494	16	33.9	4.73	16	33.9	G5	16	1654	A -7 1182
73		9.1A	47 6.134	0.0001	12	-6 12 1.54	0.041	12	0.25	6.133	16	33.9	2.21	16	33.9	F0	16	1653	A -6 1323
74		7.6A	47 9.504	-0.0003	09	-0 21 54.78	-0.016	11	0.21	9.508	17	37.5	54.58	17	37.5	K2	21	1482	A -0 1097
75		8.5A	47 10.746	0.0008	11	-4 28 12.82	-0.020	11	0.23	10.733	16	33.9	12.49	16	33.9	G5	17	1790	A -4 1251
76		8.8A	47 20.677	-0.0009	12	-9 45 44.82	0.007	12	0.25	20.692	16	33.9	44.93	16	33.9	A2	16	1655	A -9 1245
77		8.0A	47 36.451	-0.0010	11	-5 54 40.47	-0.036	09	0.22	36.468	16	33.9	39.89	16	33.9	G5	17	1791	A -5 1417
78		9.0A	47 57.925	0.0002	09	-2 5 36.19	0.000	09	0.22	57.921	16	33.9	36.19	16	33.9	K0	17	1792	A -2 1386
79		9.4A	47 58.309	-0.0022	15	-2 4 5.71	-0.031	15	0.29	58.346	16	33.6	5.21	16	33.6	G R	17	1793	A -2 1387
80		8.8A	48 0.694	-0.0012	09	-4 59 24.73	-0.009	09	0.22	0.713	16	33.9	24.58	16	33.9	A0	17	1795	A -4 1419
81		8.7A	48 2.104	-0.0004	11	-3 10 51.18	-0.002	11	0.23	2.110	16	33.9	51.15	16	33.9	F8	17	1794	A -3 1208
82		8.4A	48 4.785	0.0014	12	-9 41 50.33	0.032	12	0.25	4.763	16	33.9	50.85	16	33.9	A2	16	1657	A -9 1251
83		7.9G	48 5.675	0.0001	07	-1 28 32.05	-0.045	07	0.37	5.668	14	02.9	29.74	14	98.4	G5	GC	7335K	B* -1 1038
84		8.9A	48 6.682	-0.0002	12	-8 59 51.82	-0.002	12	0.25	6.686	16	33.9	51.79	16	33.9	A0	16	1658	A -9 1249
85		9.3A	48 7.381	0.0009	09	-1 26 33.73	-0.019	11	0.21	7.370	17	37.5	33.50	17	37.5	F0	21	1486	A -1 1039
86		9.1A	48 28.113	0.0001	12	-8 14 23.95	0.010	12	0.25	28.112	16	33.9	24.12	16	33.9	B9	16	1659	A -8 1232
87		8.9A	48 29.314	-0.0011	11	-8 50 51.43	0.029	11	0.23	29.333	16	33.9	51.90	16	33.9	K0	16	1660	A -8 1232
88		8.8A	48 34.088	-0.0011	09	-4 55 20.51	-0.014	09	0.22	34.085	16	33.9	20.28	16	33.9	A3	17	1796	A -4 1258
89		9.5A	48 36.303	-0.0016	09	-2 14 52.82	-0.022	09	0.22	38.330	16	33.6	52.47	16	33.6	G0 R	17	1797	A -2 1390
90		9.0A	48 42.509	-0.0020	09	-5 37 39.66	0.023	09	0.22	42.542	16	33.9	40.04	16	33.9	K2	17	1798	A -5 1422
91		5.3T	48 57.093	-0.0002	04	-7 31 48.00	-0.002	03	0.20	57.085	10	97.9	47.91	09	99.6	B3	GC	7354	B* -7 1187
92		8.5A	48 57.585	0.0003	09	-2 55 44.05	0.004	09	0.22	57.580	16	33.9	44.12	16	33.9	K0	17	1799	A -2 1391
93		8.8A	49 4.030	-0.0005	11	-3 28 22.49	-0.004	11	0.23	4.038	16	33.6	22.43	16	33.6	K2 R	17	1800	A -3 1214
94		8.8A	49 11.307	-0.0004	11	-6 39 8.25	-0.005	11	0.23	11.315	16	33.6	8.18	16	33.6	M5 R	16	1663	A -6 1334
95		9.0A	49 13.122	0.0001	09	-1 54 36.57	-0.041	11	0.21	13.120	17	37.5	36.06	17	37.5	F5 R	21	1489	A -1 1045
96		8.6A	49 19.185	-0.0014	12	-7 55 56.70	0.028	12	0.25	19.207	16	33.9	57.13	16	33.9	A0	16	1665	A -7 1190
97		8.8A	49 20.021	0.0000	12	-8 49 4.77	-0.015	12	0.25	20.020	16	33.9	4.54	16	33.9	A2	16	1664	A -8 1235
98		9.0A	49 21.009	-0.0019	09	-3 39 8.75	0.027	09	0.22	21.060	16	33.6	9.19	16	33.6	K5 R	17	1801	A -3 1216
99		8.2A	49 32.076	0.0008	12	-7 19 16.58	0.001	12	0.25	32.086	16	33.9	16.60	16	33.9	B9	16	1666	A -7 1192
00		8.9A	49 32.297	0.0025	09	-1 2 22.55	0.026	11	0.21	32.286	17	37.5	22.88	17	37.5	F5	21	1490	A -1 1047

132600			EPOCH 1950							ORIGINAL EPOCH						SP.	SOURCE		− 0° 5H
NUMBER	MAGNITUDES		α_{1950}	μ	σ_μ	δ_{1950}	μ'	$\sigma_{\mu'}$	σ_{1950}	α_2	σ	ep.	δ_2	σ'	ep.		CAT.	STAR NUMBER	DM NUMBER
	m_{pg}	m_v	h m s	s	″.001	° ′ ″	″	″.001	″	s	″.01		″	″.01						
1		9.1A	5 49 34.853	-0.0011	09	-1 56 32.19	-0.037	11	0.21	34.866	17	37.5	31.73	17	37.5	KO R	21	1491	A -1 1048
2		7.4A	49 39.684	-0.0025	12	-9 49 26.12	-0.009	12	0.25	39.725	16	33.9	25.97	16	33.9	FO	16	1668	A -9 1254
3		6.0T	49 44.539	-0.0023	16	-9 3 11.33	0.050	10	0.66	44.650	22	00.6	13.42	17	08.3	AO	GC	7376	A -9 1255
4		9.1A	49 47.619	-0.0011	12	-6 51 32.18	-0.006	12	0.25	47.637	16	33.9	32.09	16	33.9	B9	16	1670	A -6 1337
5		8.9A	49 49.908	-0.0004	09	-0 55 42.14	-0.022	11	0.21	49.914	17	37.5	41.87	17	37.5	AO	21	1492	A -0 1109
6		8.9A	49 56.040	-0.0015	12	-7 23 14.28	-0.003	12	0.25	56.064	16	33.9	14.24	16	33.9	AO	16	1671	A -7 1194
7		8.2A	49 58.320	0.0008	12	-8 58 20.59	0.021	12	0.25	58.507	16	33.9	20.93	16	33.9	KO	16	1672	A -9 1257
8		7.8A	49 58.685	-0.0078	09	-2 17 45.26	-0.008	09	0.22	58.810	16	33.9	45.13	16	33.9	F5	17	1802	A -2 1395
9		9.0A	50 4.838	-0.0031	09	-2 1 57.63	-0.028	11	0.21	4.876	17	37.5	57.29	17	37.5	GO	21	1493	A -2 1396
10		9.0A	50 5.790	-0.0011	09	-2 10 44.17	0.000	09	0.22	5.808	16	33.9	44.18	16	33.9	F8	17	1804	A -2 1397
11		8.9A	50 12.273	-0.0012	12	-7 59 30.31	0.032	12	0.25	12.292	16	33.9	30.83	16	33.9	FO	16	1673	A -8 1240
12		8.7A	50 20.390	-0.0006	12	-8 20 16.63	-0.014	12	0.25	20.359	16	33.9	16.41	16	33.9	KO	16	1674	A -8 1241
13		9.0A	50 24.881	0.0179	09	-3 29 59.27	-0.048	09	0.22	24.587	16	33.6	58.48	16	33.6	GO R	17	1805	A -3 1220
14		9.1A	50 25.093	0.0004	09	-1 51 16.56	0.005	11	0.21	25.088	17	37.5	16.63	17	37.5	FO R	21	1494	A -1 1052
15		8.5A	50 25.271	0.0001	09	-3 10 13.80	-0.015	09	0.22	25.269	16	33.9	13.56	16	33.9	KO	17	1806	A -3 1221
16		9.0A	50 28.265	0.0000	09	-2 42 46.77	-0.026	09	0.22	28.264	16	33.9	46.35	16	33.9	A2	17	1807	A -2 1398
17		8.5A	50 52.691	-0.0009	09	-3 33 7.60	0.012	11	0.22	52.705	16	33.9	7.79	16	33.9	FO	17	1808K	A -3 1228
18		8.5A	50 58.398	-0.0004	12	-8 7 15.98	0.011	12	0.25	58.404	16	33.9	16.17	16	33.9	K2	16	1675	A -8 1243
19		8.2A	51 8.283	0.0001	12	-6 16 43.13	-0.015	12	0.25	8.282	16	33.9	43.38	16	33.9	MA	16	1677	A -6 1344
20		8.3A	51 9.361	-0.0000	12	-5 17 41.66	-0.004	12	0.25	9.361	16	33.9	41.59	16	33.9	KO	17	1809	A -5 1433
21		8.9A	51 12.562	0.0006	11	-9 30 42.76	0.021	11	0.23	12.552	16	33.9	43.10	16	33.9	G5	16	1678	A -9 1259
22		6.8T	51 14.641	-0.0006	13	-5 42 49.65	-0.021	13	0.66	14.668	15	00.9	48.66	17	01.9	B9	GC	7414	A -5 1434
23		9.1A	51 16.488	-0.0009	11	-6 34 13.23	0.005	11	0.23	16.502	16	33.9	13.32	16	33.9	A2	16	1679	A -6 1345
24		9.0A	51 21.438	0.0003	09	-3 11 55.70	-0.014	09	0.22	21.433	16	33.6	55.47	16	33.6	KO R	17	1811	A -3 1226
25		9.1A	51 25.538	-0.0001	12	-7 2 5.98	0.018	12	0.25	25.539	16	33.9	6.28	16	33.9	GO	16	1680	A -7 1208
26		9.5A	51 31.265	0.0019	14	-1 49 58.88	-0.021	14	0.25	31.242	17	37.5	58.62	17	37.5	KO R	21	1496	A* -1 1057
27		8.6A	51 36.379	-0.0011	09	-4 57 42.97	-0.003	09	0.22	36.397	16	33.9	42.92	16	33.9	F5	17	1812	A -4 1276
28		8.8A	51 37.533	0.0006	12	-6 45 39.14	0.032	12	0.25	37.524	16	33.9	39.66	16	33.9	B5	16	1681	A -6 1347
29		8.8A	51 46.541	-0.0004	12	-6 24 45.12	0.006	12	0.25	46.549	16	33.9	45.23	16	33.9	F8	16	1682	A -6 1348
30		8.4A	51 49.990	-0.0015	09	-1 5 6.65	-0.012	11	0.21	50.009	17	37.5	6.50	17	37.5	MA	21	1497	A -1 1059
31		8.5A	51 51.642	-0.0014	12	-5 34 7.63	0.006	12	0.25	51.664	16	33.9	7.74	16	33.9	KO	17	1813	A -5 1436
32		9.0A	51 55.726	0.0003	13	-4 44 14.94	-0.010	13	0.27	55.722	16	33.9	14.78	16	33.9	FO	17	1814	A -4 1280
33		9.0A	51 59.731	0.0006	09	-3 3 48.34	0.010	09	0.22	59.721	16	33.9	48.50	16	33.9	AO	17	1815	A -3 1228
34		6.7T	52 5.617	0.0036	11	-8 25 13.44	-0.036	10	0.54	5.446	19	02.1	11.65	18	00.0	KO	GC	7438	-8 1250
35		6.4T	52 5.693	-0.0004	12	-4 4 20.63	0.020	12	0.69	5.712	17	94.8	21.72	18	95.4	B3	GC	7439	B* -4 1281
36		8.5A	52 6.398	-0.0010	11	-3 13 0.93	0.033	11	0.23	6.414	16	33.9	1.47	16	33.9	F5	17	1816	A -3 1229
37		8.3A	52 11.079	0.0018	13	-3 29 26.64	0.027	13	0.27	11.051	16	33.9	27.08	16	33.9	F5	17	1818	A -3 1230
38		9.0A	52 13.917	-0.0026	13	-2 1 44.34	-0.011	13	0.27	13.959	16	33.6	44.16	16	33.6	AO R	17	1819	A -2 1402
39		9.1A	52 19.526	0.0010	12	-7 23 9.11	-0.027	12	0.25	19.510	16	33.9	8.69	16	33.9	F5	16	1684	A -7 1210
40		9.1A	52 23.882	-0.0003	12	-7 32 28.09	0.014	12	0.25	23.887	16	33.9	28.32	16	33.9	AO	16	1685	A -7 1211
41		8.3A	52 29.162	-0.0066	09	-0 30 53.89	-0.060	11	0.21	29.245	17	37.5	53.15	17	37.5	GO	21	1501	A -0 1115
42		7.8A	52 31.218	0.0022	12	-9 11 17.92	0.001	12	0.25	31.182	16	33.9	17.94	16	33.9	AO	16	1686	A -9 1262
43		8.7A	52 31.246	-0.0019	09	-0 56 41.72	-0.003	11	0.21	31.270	17	37.5	41.68	17	37.5	G5	21	1502	A -0 1116
44		9.0A	52 35.515	0.0016	09	-2 14 19.60	0.015	09	0.22	35.488	16	33.6	19.85	16	33.6	F5 R	17	1820	A -2 1404
45		8.4A	52 35.912	-0.0003	09	-1 56 3.19	-0.037	11	0.21	35.915	17	37.5	2.73	17	37.5	A2	21	1503	A -1 1060
46		7.5A	52 45.039	0.0012	12	-9 49 4.21	0.013	12	0.25	45.019	16	33.9	4.42	16	33.9	F2	16	1687	A -9 1264
47		8.4A	52 47.258	0.0009	11	-4 3 38.95	-0.021	11	0.23	47.243	16	33.9	38.61	16	33.9	KO	17	1822	A -4 1286
48		7.1T	52 56.818	-0.0014	10	-4 49 54.82	-0.000	11	0.51	56.881	14	03.3	54.81	15	03.0	AO	GC	7461	-4 1288
49		9.0A	52 57.323	0.0022	13	-4 36 34.75	0.015	13	0.27	57.288	16	33.6	34.99	16	33.6	K2 R	17	1825	A -4 1287
50		8.8A	52 58.632	0.0003	13	-2 29 45.76	0.007	13	0.27	58.627	16	33.9	45.88	16	33.9	K5	17	1823	A -2 1409
51		8.8A	5 52 59.392	-0.0014	09	-1 4 10.82	-0.033	11	0.21	59.410	17	37.5	10.41	17	37.5	A2	21	1504	A -1 1064
52		6.0T	53 1.792	0.0023	10	-4 37 23.61	-0.017	07	0.47	1.662	15	94.4	22.79	12	02.0	KO	GC	7463	-4 1289
53		6.2T	53 7.265	-0.0011	08	-4 47 41.53	-0.020	08	0.34	7.305	12	11.8	40.74	12	10.8	AO	GC	7466	-4 1291
54		8.8A	53 7.590	0.0001	12	-9 52 31.70	0.009	12	0.25	7.590	16	33.9	31.84	16	33.9	A3	16	1688	A -9 1266
55		7.5A	53 10.670	0.0003	12	-7 40 40.06	0.002	12	0.25	10.665	16	33.9	40.10	16	33.9	KO	16	1689	A -7 1220
56		8.6A	53 11.397	0.0006	12	-8 48 45.14	0.031	12	0.25	11.387	16	33.9	45.64	16	33.9	KO	16	1690	A -8 1253
57		8.7A	53 13.183	-0.0010	11	-7 28 20.91	0.018	11	0.23	13.198	16	33.9	21.21	16	33.9	AO	16	1691	A -7 1221
58		9.0A	53 13.233	-0.0002	12	-8 57 22.33	0.011	12	0.25	13.236	16	33.6	22.51	16	33.6	K5 R	16	1692	A -8 1254
59		8.5A	53 17.708	-0.0003	09	-0 53 26.64	-0.166	11	0.21	17.712	17	37.5	24.57	17	37.5	G5	21	1505	A -0 1122
60		9.5A	53 18.259	-0.0002	15	-2 13 36.23	0.038	15	0.29	18.262	16	33.9	36.84	16	33.9	A	17	1828	A -2 1411
61		8.9A	53 20.799	0.0004	13	-4 5 23.60	0.014	13	0.27	20.792	16	33.9	23.82	16	33.9	A2	17	1829	A -4 1292
62		9.0A	53 21.129	-0.0005	12	-9 55 31.93	-0.006	12	0.25	21.138	16	33.9	31.83	16	33.9	GO	16	1694	A -9 1267
63		8.4A	53 22.457	0.0023	12	-7 38 32.07	0.001	12	0.25	22.419	16	33.9	32.09	16	33.9	AO	16	1693	A -7 1222
64		9.0A	53 25.954	-0.0011	12	-8 44 18.84	0.003	12	0.25	25.973	16	33.9	18.89	16	33.9	A5	16	1695	A -8 1256
65		8.7A	53 27.073	0.0000	11	-2 48 23.25	-0.011	13	0.25	27.072	16	33.9	23.07	16	33.9	AO	17	1830	A -2 1412
66		8.9A	53 28.599	0.0002	13	-9 24 1.94	0.030	13	0.27	28.597	16	33.9	2.42	16	33.9	FO	16	1696	A -9 1268
67		8.5A	53 31.221	-0.0018	11	-2 11 50.67	0.012	11	0.23	31.249	16	33.9	50.86	16	33.9	AO	17	1831	A -2 1413
68		8.9A	53 35.979	0.0002	11	-2 48 24.09	0.021	11	0.23	35.975	16	33.9	24.42	16	33.9	FO	17	1832	A -2 1414
69		8.5A	53 37.964	-0.0015	11	-3 48 44.47	-0.030	13	0.25	37.988	16	33.9	43.99	16	33.9	B8	17	1833	A -3 1238
70		9.5A	53 46.676	0.0010	11	-6 47 3.01	-0.108	11	0.23	46.659	16	33.5	1.24	16	33.5	GO	16	1698	A -6 1351
71		8.9A	53 53.865	-0.0017	12	-9 54 40.51	0.014	12	0.25	53.893	16	33.5	40.74	16	33.5	AO	16	1700	A -9 1270
72		9.1A	53 54.181	-0.0015	09	-5 54 24.92	-0.062	09	0.22	54.206	16	33.5	23.90	16	33.5	GO	17	1835	A -5 1441
73		9.0A	53 55.060	0.0013	09	-1 49 49.34	-0.026	11	0.21	55.043	17	37.5	49.02	17	37.5	AO	21	1507	A -1 1070
74		8.9A	53 56.932	-0.0015	13	-9 13 48.70	0.009	13	0.27	56.957	16	33.6	48.85	16	33.6	GO R	16	1701	A -9 1271
75		9.0A	54 9.962	0.0001	12	-7 38 12.47	0.033	12	0.25	9.961	16	33.5	13.02	16	33.5	B9	16	1702	A -7 1227
76		9.0A	54 12.111	-0.0011	13	-7 56 14.36	0.014	13	0.27	12.130	16	33.5	14.60	16	33.5	KO	16	1703	A -7 1228
77		8.5A	54 19.206	0.0002	09	-1 10 12.88	-0.042	11	0.21	19.204	17	37.5	12.36	17	37.5	B9	21	1508K	A -1 1073
78		8.5A	54 19.295	-0.0013	13	-3 4 36.36	0.018	13	0.27	19.316	16	33.5	36.65	16	33.5	AO	17	1836K	A -3 1241
79		8.7A	54 26.148	-0.0013	12	-9 19 11.56	-0.011	12	0.25	26.170	16	33.5	11.38	16	33.5	G5	16	1704	A -9 1274
80		9.2A	54 29.514	-0.0002	11	-3 45 39.70	-0.019	11	0.23	29.518	16	33.5	39.38	16	33.5	AO	17	1839	A -3 1243
81		8.5A	54 29.696	-0.0008	11	-2 10 18.67	-0.003	11	0.23	29.708	16	33.5	18.63	16	33.5	FO	17	1837	A -2 1416
82		9.0A	54 30.619	-0.0014	13	-2 32 22.38	-0.047	13	0.27	30.641	16	33.5	21.60	16	33.5	A5	17	1838	A -2 1417
83		6.9T	54 30.834	-0.0005	14	-8 23 21.46	0.006	14	0.67	30.858	19	05.2	21.75	18	04.6	G5	GC	7502	-8 1265
84		8.9A	54 32.972	-0.0006	12	-8 45 6.43	-0.023	12	0.25	32.982	16	33.5	6.05	16	33.5	FO	16	1706	A -8 1266
85		8.8A	54 35.144	-0.0016	17	-9 48 59.77	-0.004	18	0.34	35.171	18	33.1	59.70	16	33.1	K2 J	11	1689	A -9 1275
86		8.5A	54 43.311	0.0006	12	-6 11 54.33	-0.007	12	0.25	43.302	16	33.5	54.22	16	33.5	F5	16	1707	A -6 1354
87		8.8A	54 46.830	-0.0019	11	-2 30 28.15	-0.020	11	0.23	46.861	16	33.5	27.82	16	33.5	G5	17	1840	A -2 1418
88		9.0A	54 50.693	-0.0002	11	-8 25 59.30	-0.003	11	0.23	50.697	16	33.5	59.26	16	33.5	A2	16	1708	A -8 1267
89		8.9A	55 3.330	-0.0010	11	-2 38 58.70	-0.010	11	0.23	3.347	16	33.5	58.53	16	33.5	FO	17	1841	A -2 1420
90		9.3A	55 7.646	-0.0020	12	-2 3 47.56	0.016	12	0.25	7.678	16	33.6	47.83	16	33.6	B8 R	17	1842	A -2 1421
91		9.2A	55 8.276	-0.0000	15	-1 49 28.74	-0.002	15	0.29	8.277	16	33.5	28.71	16	33.5	B9	17	1843	A -1 1075
92		7.6T	55 14.779	0.0001	14	-6 5 56.58	0.007	12	0.74	14.771	17	96.3	56.98	17	95.7	MO	GC	7515	-6 1359
93		8.5Q	55 18.917	-0.0034	08	-7 39 44.72	-0.150	06	0.38	19.088	15	00.2	36.10	14	92.4	KO	GC	7516K	B* -7 1232
94		8.7A	55 26.429	-0.0002	12	-7 22 27.35	0.033	12	0.25	26.431	16	33.5	27.90	16	33.5	FO	16	1711	A -7 1234
95		9.0A	55 29.947	-0.0008	12	-6 28 37.40	0.010	12	0.25	29.980	16	33.5	37.57	16	33.5	A2	16	1712	A -6 1360
96		8.7A	55 31.338	-0.0016	12	-5 48 22.26	-0.021	12	0.25	31.364	16	33.5	21.92	16	33.5	G5	17	1845	A -5 1451
97		8.5A	55 33.261	-0.0008	11	-4 46 30.92	-0.002	11	0.23	33.274	16	33.5	30.89	16	33.5	KO	17	1846	A -4 1305
98		9.0A	55 35.988	-0.0019	13	-4 16 10.97	-0.034	13	0.27	36.020	16	33.5	10.41	16	33.5	F5	17	1848	A -4 1306
99		9.0A	55 36.340	-0.0012	13	-2 33 40.88	0.017	13	0.27	36.359	16	33.5	41.15	16	33.5	AO	17	1847	A -2 1422
00		6.3T	55 39.086	0.0002	09	-0 59 51.06	-0.025	09	0.49	39.072	14	96.1	49.79	15	98.9	KO	GC	7531	-1 1078

132700

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	EPOCH 1950 μ s	σ_μ s .001	EPOCH 1950 δ_{1950} ° ′ ″	EPOCH 1950 μ' ″	$\sigma_{\mu'}$ ″ .001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ ″ .01	ep.	δ_2 ″	σ' ″ .01	ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	DM NUMBER
1		8.0A	5 55 39.502	-0.0018	11	-2 2 18.19	-0.019	11	0.23	39.532	16	33.5	17.88	16	33.5	A5 R	17	1849	A -2 1423
2		9.2A	55 45.285	0.0012	13	-3 54 56.57	-0.034	13	0.27	45.285	16	33.6	56.01	16	33.6	F8 R	17	1850	A -3 1246
3		6.9T	55 53.018	0.0052	12	-4 39 4.68	-0.210	11	0.40	52.752	14	99.3	54.17	15	00.0	GO	GC	7544K	-4 1310
4		9.0A	55 54.126	-0.0014	12	-3 22 57.16	0.008	12	0.25	54.148	16	33.6	57.31	16	33.6	A5 R	17	1852	A -3 1247
5		9.0A	55 55.218	-0.0010	13	-2 37 59.78	0.015	13	0.27	55.234	16	33.5	0.02	16	33.5	G	17	1853	A -2 1426
6		9.0A	55 55.652	-0.0007	12	-5 3 1.16	0.015	13	0.28	55.697	16	33.5	1.40	16	33.5	GO	17	1854	A -5 1456
7		9.3A	55 57.122	-0.0018	08	-8 51 25.66	-0.008	09	0.22	57.152	16	33.5	25.34	16	33.5	A2	17	1713	A -8 1383
8		8.5A	56 4.734	-0.0014	12	-2 6 9.15	0.010	12	0.25	4.757	16	33.5	9.32	16	33.5	AO	17	1855	A -2 1427
9		8.5G	56 22.152	-0.0014	10	-1 19 41.03	-0.026	06	0.40	22.209	18	07.6	39.67	17	97.2	B9	GC	7558K	B* -1 1080
10		8.8A	56 22.158	-0.0025	12	-5 32 44.22	-0.017	12	0.25	22.196	16	33.5	43.95	16	33.5	A5	17	1856	A -5 1458
11		8.6A	56 24.170	-0.0011	09	-1 6 49.91	-0.005	11	0.21	24.183	17	37.5	49.60	17	37.5	K5	21	1519	A -1 1081
12		9.0A	56 26.352	-0.0006	09	-2 57 44.37	0.000	09	0.22	26.361	16	33.6	44.69	16	33.6	G5 R	17	1857	A -2 1430
13		8.8A	56 36.220	-0.0019	12	-8 53 14.75	0.010	12	0.25	36.252	16	33.5	14.92	16	33.5	A3	16	1714	A -8 1273
14		6.3T	56 38.300	0.0006	06	-9 23 6.27	0.010	04	0.84	38.275	12	05.3	6.80	10	99.1	FO	GC	7560	B* -9 1284
15		5.1T	56 41.802	0.0007	03	-9 33 37.00	-0.054	03	0.14	41.773	06	10.8	34.73	06	07.7	A5	GC	7565	B* -9 1285
16		9.0A	56 44.240	-0.0003	13	-4 45 22.86	0.019	13	0.27	44.244	16	33.5	22.97	16	33.5	G5	17	1858	A -4 1315
17		8.7A	56 44.547	-0.0012	12	-7 39 7.19	0.005	12	0.25	44.568	16	33.5	7.28	16	33.5	GO	16	1717	A -7 1241
18		8.8A	56 45.914	-0.0021	13	-4 21 42.50	-0.010	13	0.27	45.949	16	33.5	42.33	16	33.5	AO	17	1859	A -4 1316
19		8.5A	56 53.984	-0.0016	13	-2 38 9.14	-0.022	13	0.27	53.950	16	33.6	8.78	16	33.6	G5 R	17	1860	A -2 1434
20		8.5A	56 54.762	-0.0019	13	-2 20 37.00	-0.033	13	0.27	54.793	16	33.5	36.46	16	33.5	A5	17	1861	A -2 1433
21		8.8A	57 1.508	-0.0001	12	-9 46 54.09	-0.010	12	0.25	1.509	16	33.5	53.93	16	33.5	F0	16	1718	A -9 1286
22		8.9A	57 5.599	-0.0010	12	-7 18 15.79	-0.004	12	0.25	5.615	16	33.5	15.73	16	33.5	K5	16	1719	A -7 1243
23		6.4T	57 5.650	-0.0009	08	-1 26 46.51	-0.080	09	0.46	5.700	14	96.8	45.47	15	97.5	B9	GC	7574	-1 1083
24		8.9A	57 6.602	-0.0015	12	-9 47 16.40	0.020	12	0.25	6.628	16	33.6	16.73	16	33.6	K0 R	16	1720	A -9 1287
25		9.0A	57 6.920	-0.0024	13	-4 20 22.09	-0.000	13	0.27	6.960	16	33.5	22.08	16	33.5	B9	17	1862	A -4 1318
26		8.5A	57 12.381	-0.0022	12	-2 20 15.60	0.000	12	0.25	12.417	16	33.5	15.61	16	33.5	B9	17	1863	A -2 1436
27		8.3A	57 15.948	-0.0007	11	-8 2 50.20	0.002	11	0.23	15.959	16	33.5	50.24	16	33.5	K0	16	1721	A -8 1278
28		7.5T	57 22.348	0.0001	13	-6 35 56.58	-0.012	13	0.67	22.345	15	00.2	56.02	18	01.6	K0	GC	7582	-6 1372
29		9.0A	57 25.007	-0.0047	13	-5 9 12.14	-0.009	13	0.31	25.085	16	33.5	11.99	16	33.5	A5	17	1864	A -5 1463
30		8.5A	57 26.623	-0.0034	12	-5 11 7.43	-0.037	12	0.25	26.680	16	33.5	6.81	16	33.5	G5	17	1865	A -5 1464
31		8.5A	57 31.379	0.0002	12	-9 44 4.76	-0.024	12	0.25	31.377	16	33.5	4.37	16	33.5	A3	16	1723	A -9 1291
32		4.7T	57 33.162	0.0003	05	-3 4 28.77	-0.071	05	0.26	33.145	06	00.7	25.21	07	99.8	K0	GC	7587	B* -3 1256
33		7.7B	57 34.726	0.0001	11	-0 30 12.68	-0.023	07	0.48	34.723	15	02.0	11.47	15	97.0	B9	GC	7589	-0 1137
34		7.0T	57 36.952	-0.0004	13	-8 6 33.34	-0.084	13	0.68	36.973	18	01.3	32.16	18	00.4	K0	GC	7592	-8 1278
35		9.0A	57 39.450	0.0007	13	-5 29 15.81	0.010	13	0.27	39.439	16	33.5	15.97	16	33.5	K2	17	1867	A -5 1465
36		8.6A	57 51.986	0.0003	09	-0 41 5.87	-0.018	11	0.21	51.983	17	37.5	5.66	17	37.5	B9	21	1523	A -0 1138
37		8.3A	57 54.538	-0.0018	13	-5 13 29.47	-0.014	13	0.27	54.568	16	33.5	29.23	16	33.5	AO	17	1868	A -5 1468
38		9.0A	57 59.915	-0.0032	13	-6 57 49.19	-0.013	13	0.27	59.967	16	33.5	48.98	16	33.5	A5	16	1725	A -6 1375
39		8.7A	58 2.320	0.0002	12	-7 35 26.07	-0.003	12	0.25	2.318	16	33.5	26.03	16	33.5	B8	16	1726	A -7 1246
40		7.3T	58 6.310	0.0015	16	-7 28 12.55	-0.007	16	0.80	6.258	17	00.9	12.23	18	01.4	KO	GC	7602	-7 1248
41		9.1A	58 9.013	-0.0025	13	-9 51 27.44	0.009	13	0.27	9.051	16	33.5	27.59	16	33.5	B9	16	1728	A -9 1294
42		9.0A	58 11.870	-0.0013	09	-1 36 39.22	-0.019	11	0.21	11.886	17	37.5	37.99	17	37.5	A2	21	1524	A -1 1087
43		9.0A	58 11.989	0.0005	12	-2 3 34.12	-0.016	12	0.25	11.984	16	33.5	33.86	16	33.5	A	17	1869	A -2 1439
44		8.8A	58 12.036	-0.0021	12	-7 47 25.09	0.008	13	0.27	12.070	16	33.5	25.56	16	33.5	KO	16	1729	A -7 1249
45		8.3A	58 16.523	-0.0014	12	-3 53 46.71	-0.000	12	0.25	16.546	16	33.5	46.71	16	33.5	AO	17	1870	A -3 1260
46		9.0A	58 28.125	-0.0007	12	-3 24 33.19	0.006	12	0.25	28.137	16	33.6	33.29	16	33.6	M5 R	17	1871	A -3 1261
47		9.0A	58 36.109	-0.0015	12	-9 40 53.87	-0.026	12	0.25	36.133	16	33.6	9.21	16	33.6	M2 R	17	1872	A -9 1441
48		9.1A	58 36.285	-0.0013	12	-2 15 9.09	0.007	12	0.25	36.307	16	33.5	53.44	16	33.5	K2	16	1731	A -2 1299
49		9.2A	58 44.962	-0.0021	13	-6 12 34.61	-0.074	13	0.27	44.996	16	33.5	33.40	16	33.5	GO	16	1733	A -6 1378
50		9.0A	58 57.870	-0.0009	12	-7 7 7.15	-0.003	12	0.25	57.884	16	33.5	7.11	16	33.5	G5	16	1734	A -7 1253
51		9.0A	5 59 11.122	0.0006	13	-2 4 44.11	-0.007	13	0.27	11.114	16	33.5	44.00	16	33.5	GO	17	1873	A -2 1447
52		8.0T	59 12.951	-0.0007	13	-1 40 39.72	0.006	12	0.58	12.980	18	06.9	40.00	18	04.7	KO	GC	7624	-1 1092
53		9.0A	59 14.618	-0.0031	13	-3 34 15.84	-0.027	13	0.27	14.669	16	33.5	15.39	16	33.5	AO	17	1875	A -3 1264
54		8.0A	59 15.874	0.0005	09	-2 21 10.72	0.001	09	0.22	15.865	16	33.5	10.74	16	33.5	MC	17	1874	A -2 1448
55		8.0A	59 21.751	-0.0021	11	-3 40 49.48	-0.010	11	0.23	21.786	16	33.5	49.31	16	33.5	A2	17	1876	A -3 1265
56		9.0A	59 25.218	0.0019	13	-5 7 7.33	0.054	13	0.27	25.186	16	33.5	8.21	16	33.5	F5	17	1877	A -5 1476
57		9.0A	59 32.578	-0.0021	13	-4 21 59.28	-0.009	13	0.27	32.612	16	33.6	59.13	16	33.6	M5 R	17	1878	A -4 1332
58		9.1A	59 34.898	0.0021	12	-7 54 10.28	-0.005	12	0.25	34.863	16	33.5	10.21	16	33.5	F5	16	1737	A -7 1256
59		9.0A	59 38.531	-0.0004	13	-3 38 20.47	-0.006	13	0.27	38.537	16	33.5	20.36	16	33.5	K5	17	1879	A -3 1267
60		8.9A	59 38.758	-0.0008	09	-6 48 52.93	0.010	09	0.22	38.771	16	33.5	53.10	16	33.5	B9	16	1738	A -6 1381
61		6.9T	59 41.038	0.0001	12	-5 8 8.95	-0.017	11	0.63	41.035	17	95.0	8.03	15	96.8	K2	GC	7639	-5 1478
62		9.0A	59 42.997	-0.0003	09	-0 4 52.74	-0.034	11	0.21	43.000	17	37.5	52.32	17	37.5	AO	21	1528	A -0 1144
63		9.1A	59 45.037	0.0001	12	-6 13 12.17	-0.002	12	0.25	45.036	16	33.5	12.15	16	33.5	G5	16	1739	A -6 1382
64		6.9T	59 45.666	0.0003	09	-7 17 17.77	-0.001	07	0.48	45.652	15	96.9	17.73	15	95.5	AO	GC	7643	-7 1257
65		9.2A	59 46.201	0.0003	13	-8 38 11.16	0.012	13	0.27	46.197	16	33.5	11.36	16	33.5	AO	16	1741	A -8 1266
66		9.1A	59 52.361	-0.0011	12	-9 10 33.80	-0.008	12	0.25	52.380	16	33.5	33.67	16	33.5	KO	16	1742	A -9 1303
67		9.0A	59 53.541	-0.0006	11	-8 35 36.81	-0.028	11	0.23	53.551	16	33.5	36.35	16	33.5	GO	16	1743	A -8 1290
68		8.9A	59 58.886	-0.0025	09	-6 47 19.94	0.000	09	0.22	59.908	16	33.5	19.95	16	33.5	F5	16	1744	A -6 1384
69		8.4G	6 0 0.027	-0.0001	13	-2 21 33.71	0.002	10	0.55	0.030	17	06.7	33.81	17	01.4	AO	GC	7652K	B* -2 1453
70		8.0A	0 9.359	0.0007	12	-2 50 17.84	-0.047	12	0.25	9.348	16	33.5	17.06	16	33.5	F5	17	1882	A -2 1455
71		9.0A	0 10.849	-0.0008	12	-4 14 56.85	0.015	12	0.25	10.862	16	33.5	57.09	16	33.5	F2	17	1884	A -4 1336
72		8.5A	0 11.520	-0.0015	09	-2 24 42.45	0.006	09	0.22	11.544	16	33.5	42.56	16	33.5	AO	17	1883	A -2 1456
73		9.0A	0 15.134	0.0008	09	-0 56 14.40	-0.027	11	0.21	15.124	17	37.5	14.07	17	37.5	AO	21	1531	A -0 1149
74		9.2A	0 15.520	-0.0030	12	-9 36 30.05	0.008	12	0.25	15.570	16	33.5	30.18	16	33.5	GO	16	1745	A -9 1307
75		8.5A	0 22.488	-0.0003	11	-5 3 21.10	0.001	11	0.23	22.493	16	33.5	21.11	16	33.5	K5	17	1885	A -5 1480
76		8.7A	0 38.888	-0.0016	13	-2 4 1.70	-0.002	13	0.27	38.914	16	33.5	1.67	16	33.5	KO	17	1886	A -2 1457
77		9.0A	0 39.432	-0.0023	12	-6 35 32.21	0.033	12	0.25	39.470	16	33.5	32.76	16	33.5	KO	16	1746	A -6 1386
78		8.4A	0 41.606	-0.0004	09	-0 35 57.98	-0.019	11	0.21	41.612	17	37.5	57.75	17	37.5	KO	21	1533	A -0 1150
79		9.0A	0 43.898	-0.0015	11	-3 29 20.90	-0.008	11	0.23	43.922	16	33.5	20.77	16	33.5	A3	17	1887	A -3 1271
80		9.4A	0 45.401	-0.0022	12	-9 15 0.51	-0.015	12	0.25	45.438	16	33.5	0.26	16	33.5	AO	16	1748	A -9 1312
81		9.1A	0 46.308	-0.0023	12	-7 47 29.33	-0.014	12	0.25	46.346	16	33.5	29.11	16	33.5	AO	16	1747	A -7 1261
82		7.5A	0 48.198	-0.0021	13	-2 28 34.38	-0.016	13	0.27	48.230	16	33.5	34.12	16	33.5	AO	17	1888	A -2 1458
83		8.8A	0 49.197	0.0010	11	-7 2 24.32	0.004	11	0.23	49.181	16	33.5	24.39	16	33.5	K2	16	1749	A -7 1262
84		9.1A	0 50.656	-0.0017	09	-7 48 28.40	0.014	11	0.22	50.684	16	33.5	26.64	16	33.5	B9	16	1750	A -7 1264
85		9.2A	0 59.892	-0.0020	09	-2 35 3.32	-0.021	09	0.22	59.925	16	33.5	2.97	16	33.5	FO	17	1889	A -2 1462
86		8.2A	1 0.518	-0.0007	12	-6 23 30.57	0.034	12	0.25	0.530	16	33.5	31.14	16	33.5	K5	16	1751	A -6 1387
87		9.0A	1 29.271	-0.0003	09	-0 13 14.44	0.004	11	0.21	29.275	17	37.5	14.50	17	37.5	KO	21	1534	A -0 1154
88		9.1A	1 33.189	-0.0001	09	-3 49 44.38	-0.005	09	0.22	33.171	16	33.5	44.30	16	33.5	AO	17	1890	A -3 1276
89		8.5A	1 33.842	0.0006	11	-5 57 41.39	-0.011	11	0.23	33.853	16	33.5	41.22	16	33.5	MA	17	1891	A -5 1487
90		9.1A	1 36.667	-0.0011	12	-6 44 35.97	-0.031	12	0.25	36.686	16	33.6	35.47	16	33.6	GO R	16	1753	A -6 1390
91		9.2A	1 39.844	-0.0013	11	-9 36 12.13	-0.003	11	0.23	39.865	16	33.5	12.08	16	33.5	AO	16	1754	A -9 1317
92		9.0A	1 44.897	-0.0016	09	-3 28 34.04	-0.021	09	0.22	44.923	16	33.5	33.69	16	33.5	A2	17	1892	A -3 1278
93		5.1T	1 47.608	-0.0007	07	-6 42 19.37	-0.004	06	0.29	47.639	12	07.6	19.21	10	08.3	B2P	GC	7691	B* -6 1391
94		8.8A	1 48.218	-0.0031	12	-6 42 53.17	-0.043	12	0.25	48.289	16	33.5	52.46	16	33.5	AO	16	1757	A -8 1303
95		8.5A	1 48.917	0.0010	12	-6 39 51.29	-0.011	12	0.25	48.900	16	33.6	51.12	16	33.6		16	1756	A -6 1393
96		9.0A	1 59.473	-0.0008	13	-3 4 2.85	0.005	13	0.27	59.486	16	33.5	2.93	16	33.5	KO	17	1893	A -3 1281
97		9.1A	1 59.869	0.0035	12	-9 31 34.79	-0.041	12	0.25	59.811	16	33.5	34.11	16	33.5	GO	16	1759	A -9 1319
98		9.0A	2 0.653	-0.0002	09	-1 33 58.26	-0.007	11	0.21	0.655	17	37.5	58.18	17	37.5	A2	21	1536	A -1 1102
99		9.0A	2 0.667	-0.0003	13	-6 2 28.88	0.010	13	0.27	0.672	16	33.5	29.05	16	33.5	A5	17	1895	A -6 1395
00		9.0A	2 3.617	0.0030	13	-3 11 32.07	-0.084	13	0.27	3.567	16	33.5	30.68	16	33.5	GO F	17	1894	A -3 1283

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132800 — 00 6H

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	EPOCH 1950 μ_s s	EPOCH 1950 σ_μ .001	EPOCH 1950 δ_{1950} ° ′ ″	EPOCH 1950 μ' ″	EPOCH 1950 $\sigma_{\mu'}$ .001	EPOCH 1950 σ_{1950} ″	ORIGINAL EPOCH α_2 s	ORIGINAL EPOCH σ .01	ORIGINAL EPOCH ep.	ORIGINAL EPOCH δ_2 ″	ORIGINAL EPOCH σ' .01	ORIGINAL EPOCH ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	DM NUMBER
1		9.2A	6 2 5.573	-0.0002	12	-6 20 32.94	0.002	12	0.25	5.577	16	33.5	32.98	16	33.5	B9	16	1760	A -6 1397
2		9.2A	2 6.706	-0.0012	12	-7 47 49.74	0.031	12	0.25	6.726	16	33.6	50.26	16	33.6	K2 R	16	1761	A -7 1270
3		6.8T	2 11.002	-0.0019	11	-1 34 33.14	-0.010	11	0.63	11.109	17	92.5	32.58	17	93.1	A0	GC	7699	-1 1104
4		9.1A	2 22.386	0.0011	10	-2 42 46.17	-0.033	07	0.45	22.275	19	05.4	44.37	18	95.3	A0	GC	7704K	B* -2 1467
5		9.3A	2 23.229	-0.0021	13	-7 42 45.10	0.024	13	0.27	23.263	16	33.6	45.50	16	33.6	F0 R	16	1763	A -7 1273
6		8.4A	2 24.652	-0.0009	09	-1 7 44.27	-0.075	11	0.21	24.664	17	37.5	43.34	17	37.5	F5	21	1538	A -1 1105
7		7.8A	2 28.742	-0.0005	13	-5 20 18.52	-0.043	13	0.27	28.751	16	33.5	17.80	16	33.5	B9	17	1897	A -5 1491
8		9.0A	2 35.289	-0.0003	09	-6 6 6.85	-0.004	09	0.22	35.294	16	33.5	6.80	16	33.5	K0	17	1899K	A -6 1400
9		9.2A	2 37.656	-0.0007	09	-3 54 23.91	0.008	09	0.22	37.667	16	33.5	24.01	16	33.5	K0 F	17	1898	A -3 1288
10		8.7A	2 37.833	-0.0017	12	-7 31 25.36	0.009	12	0.25	37.862	16	33.5	25.52	16	33.5	A5	16	1766	A -7 1275
11		8.5A	2 45.480	-0.0012	12	-8 1 3.48	-0.016	12	0.25	45.480	16	33.5	3.23	16	33.5	K0	16	1767	A -8 1310
12		8.1A	2 48.085	-0.0013	12	-9 17 10.39	-0.043	12	0.25	48.087	16	33.5	9.66	16	33.5	G0	16	1768	A -9 1321
13		9.0A	2 56.249	-0.0005	11	-2 39 31.53	0.027	11	0.23	56.257	16	33.5	31.97	16	33.5	A0	17	1900	A -2 1470
14		8.8A	2 56.371	-0.0017	12	-8 56 39.99	0.006	12	0.25	56.400	16	33.5	40.09	16	33.5	A0	16	1769	A -8 1312
15		8.8A	3 0.424	-0.0014	13	-4 36 4.43	-0.007	13	0.27	0.447	16	33.5	4.31	16	33.5	A0	17	1902	A -4 1351
16		8.6A	3 0.818	0.0009	09	-0 32 7.28	-0.023	11	0.21	0.807	17	37.5	7.00	17	37.5	K0	21	1541	A -0 1164
17		9.0A	3 1.305	0.0003	09	-1 14 52.62	-0.016	11	0.21	1.302	17	37.5	52.42	17	37.5	A2	21	1542	A -1 1106
18		9.0A	3 3.089	-0.0005	13	-2 5 18.21	0.001	13	0.27	3.077	16	33.5	18.23	16	33.5	F0 F	17	1901	A -2 1472
19		8.3A	3 4.291	0.0025	13	-5 23 56.07	0.005	13	0.27	4.249	16	33.5	56.15	16	33.5	K0	17	1903	A -5 1495
20		9.2A	3 8.319	-0.0019	13	-4 19 39.60	0.011	13	0.27	8.350	16	33.5	39.78	16	33.5	A0	17	1906	A -4 1353
21		9.0A	3 9.542	-0.0016	13	-2 10 12.95	-0.020	13	0.27	9.568	16	33.5	12.62	16	33.5	G8 F	17	1905	A -2 1473
22		9.0A	3 12.833	0.0009	13	-6 2 55.91	-0.018	13	0.27	12.818	16	33.6	55.62	16	33.6	A0 R	17	1907	A -6 1402
23		9.1A	3 13.257	-0.0011	12	-6 37 8.36	0.007	12	0.25	13.275	16	33.6	8.48	16	33.6	K0 R	16	1771	A -6 1403
24		8.5A	3 15.654	-0.0012	13	-6 6 20.56	-0.015	13	0.27	15.673	16	33.5	20.32	16	33.5	A3	17	1908	A -6 1404
25		8.8A	3 21.970	-0.0010	12	-6 20 20.57	0.011	12	0.25	21.987	16	33.5	20.76	16	33.5	B9	16	1773	A -6 1405
26		8.3A	3 26.068	-0.0004	13	-5 3 18.56	-0.006	13	0.27	26.075	16	33.5	18.45	16	33.5	A3	17	1909	A -5 1497
27		8.6A	3 31.833	-0.0008	12	-6 37 28.91	0.000	12	0.25	31.845	16	33.5	28.92	16	33.5	A2	16	1774	A -6 1407
28		9.0A	3 32.693	-0.0014	12	-4 33 30.57	0.003	12	0.25	32.916	16	33.5	30.61	16	33.5	B9	17	1910	A -4 1356
29		7.2T	3 35.346	0.0012	15	-5 52 27.52	-0.024	16	0.77	35.284	17	00.7	26.38	17	01.6	M0	GC	7732	-5 1499
30		9.2A	3 35.662	0.0019	13	-4 44 6.49	-0.034	13	0.27	35.631	16	33.5	5.92	16	33.5	A2	17	1911	A -4 1357
31		9.0A	3 36.051	0.0014	13	-5 38 42.07	-0.019	13	0.27	36.028	16	33.5	41.77	16	33.5	F5	17	1913	A -5 1500
32		8.9A	3 36.708	-0.0008	12	-9 20 42.73	-0.003	12	0.25	36.721	16	33.5	42.69	16	33.5	F0	16	1776	A -9 1326
33		8.0A	3 39.247	-0.0021	12	-7 18 34.74	0.021	12	0.25	39.262	16	33.5	35.09	16	33.5	K0	16	1777	A -7 1278
34		7.6A	3 40.945	-0.0002	11	-7 36 57.97	0.007	11	0.23	40.949	16	33.5	58.09	16	33.5	K0	16	1778	A -7 1279
35		8.7A	3 44.752	-0.0013	12	-7 5 4.58	0.008	12	0.25	44.774	16	33.5	4.72	16	33.5	K0	16	1779	A -7 1280
36		9.0A	3 46.603	-0.0037	17	-4 44 39.82	-0.004	17	0.31	46.664	16	33.5	39.75	16	33.5	A5	17	1915	A -4 1360
37		8.7A	3 49.015	0.0004	12	-8 52 15.63	-0.028	12	0.25	49.010	16	33.5	15.17	16	33.5	F0	16	1780	A -8 1317
38		8.1A	3 51.832	-0.0004	09	-0 57 28.16	-0.046	11	0.21	51.838	17	37.5	25.59	17	37.5	F2	21	1548	A -0 1172
39		7.9A	3 56.232	-0.0015	12	-8 20 37.72	0.010	12	0.25	56.256	16	33.5	37.90	16	33.5	K0	16	1781	A -8 1319
40		9.0A	3 58.957	0.0018	09	-1 0 49.79	-0.030	11	0.21	58.935	17	37.5	49.42	17	37.5	F2	21	1549	A -1 1111
41		5.4T	4 9.904	-0.0009	07	-4 11 14.01	-0.003	05	0.28	9.941	12	07.0	13.88	10	07.5	B3	GC	7750K	B* -4 1362
42		9.0A	4 14.064	-0.0013	13	-3 55 45.73	-0.015	13	0.27	14.085	16	33.5	45.48	16	33.5	A0	17	1917	A -3 1296
43		9.1A	4 19.970	-0.0004	12	-8 41 37.30	0.007	12	0.25	19.977	16	33.5	37.42	16	33.5	A2	16	1782K	A -8 1322
44		8.8A	4 22.956	-0.0009	09	-0 12 32.19	-0.019	11	0.21	22.967	17	37.5	31.96	17	37.5	A0	21	1550	A -0 1176
45		6.7T	4 26.418	-0.0011	07	-3 20 3.68	-0.004	07	0.30	26.463	09	07.1	3.52	07	08.8	B5	GC	7762	B* -3 1297
46		9.0A	4 28.823	-0.0012	13	-4 48 18.04	-0.028	13	0.27	28.842	16	33.5	17.58	16	33.5	F0	17	1920	A -4 1364
47		9.0A	4 30.514	-0.0023	11	-2 54 33.56	-0.046	11	0.23	30.551	16	33.5	32.80	16	33.5	G2 F	17	1919	A -2 1481
48		6.6T	4 32.081	-0.0009	11	-6 11 42.13	-0.011	08	0.55	32.132	14	96.6	41.51	12	91.6	A5	GC	7765	-6 1412
49		8.4A	4 36.366	-0.0009	11	-9 43 50.42	-0.019	11	0.23	36.382	16	33.5	50.10	16	33.5	K0	16	1784	A -9 1333
50		8.3A	4 36.652	-0.0010	12	-8 14 48.89	-0.018	12	0.25	38.669	16	33.5	48.60	16	33.5	K0	16	1785	A -8 1323
51		8.8A	6 4 46.131	0.0007	09	-0 53 55.63	-0.019	11	0.21	46.123	17	37.5	55.40	17	37.5	A0	21	1554	A -0 1177
52		8.8A	4 48.602	-0.0005	13	-5 33 48.93	-0.009	13	0.27	48.610	16	33.5	48.79	16	33.5	F2	17	1922	A -5 1503
53		8.6A	4 48.728	-0.0003	09	-1 56 36.31	-0.030	11	0.21	48.732	17	37.5	37.94	17	37.5	A0	21	1555	A -1 1114
54		9.0A	4 55.662	-0.0011	17	-4 33 7.62	-0.022	17	0.31	55.680	16	33.5	7.25	16	33.5	K2	17	1924	A -4 1368
55		9.0A	4 57.467	-0.0011	12	-7 4 39.53	-0.013	12	0.25	57.486	16	33.6	39.32	16	33.6	M0 R	16	1786	A -7 1288
56		8.8A	4 59.642	-0.0005	13	-5 22 58.20	-0.006	13	0.27	59.651	16	33.5	58.10	16	33.5	A0	17	1925	A -5 1506
57		8.7A	5 0.702	0.0048	09	-1 13 36.19	-0.055	11	0.22	0.640	17	37.1	35.48	17	37.1	G5	21	1556	A -1 1116
58		9.4A	5 1.902	-0.0001	09	-0 59 52.24	-0.023	11	0.22	1.903	17	37.1	51.95	17	37.1	F2 R	21	1557	A -0 1180
59		9.0A	5 4.051	-0.0010	12	-4 7 14.43	-0.016	12	0.25	4.067	16	33.5	14.16	16	33.5	F0	17	1927	A -4 1369
60		8.3A	5 4.637	-0.0009	13	-3 35 44.91	-0.020	13	0.27	4.651	16	33.5	44.58	16	33.5	B9	17	1926	A -3 1302
61		9.4A	5 5.557	-0.0023	13	-6 23 29.87	0.001	13	0.27	5.595	16	33.6	29.90	16	33.6	B R	16	1787	A -6 1415
62		8.5A	5 18.767	-0.0010	12	-8 38 34.06	0.004	12	0.25	18.784	16	33.5	34.13	16	33.5	A0	16	1789	A -8 1324
63		8.6A	5 19.007	0.0010	12	-7 9 19.38	-0.004	12	0.25	18.991	16	33.5	19.32	16	33.5	A0	16	1788	A -7 1291
64		9.0A	5 25.894	0.0004	11	-7 19 59.63	0.055	11	0.23	25.886	16	33.5	+ 0.55	16	33.5	G0	16	1790	A -7 1292
65		9.0A	5 29.912	-0.0011	12	-9 25 3.03	-0.002	12	0.25	29.930	16	33.6	3.00	16	33.6	B8 R	16	1791	A -9 1337
66		8.6A	5 31.823	-0.0013	12	-9 26 24.99	-0.043	12	0.25	31.845	16	33.5	24.28	16	33.5	F0	16	1792	A -9 1338
67		8.8A	5 37.378	-0.0012	12	-6 13 7.69	0.002	12	0.25	37.398	16	33.5	7.73	16	33.5	B9	16	1793	A -6 1417
68		9.3A	5 38.880	-0.0006	11	-6 21 10.65	0.004	12	0.24	38.890	16	33.6	10.73	16	33.6	B5 R	16	1794	A -6 1418
69		8.5A	5 41.548	0.0007	09	-1 24 20.46	-0.020	11	0.22	41.539	17	37.1	20.21	17	37.1	G5	21	1559	A -1 1120
70		9.0A	5 42.051	-0.0017	12	-3 56 5.31	-0.008	12	0.25	42.078	16	33.5	5.18	16	33.5	G8 F	17	1930	A -3 1305
71		9.0A	5 42.669	-0.0013	09	-2 35 10.42	-0.023	09	0.22	42.691	16	33.5	10.04	16	33.5	A0	17	1928	A -2 1490
72		9.0A	5 42.898	-0.0008	12	-3 2 11.74	0.011	12	0.25	42.909	16	33.5	11.92	16	33.5	A5	17	1929	A -3 1304
73		8.8A	5 46.599	0.0003	09	-1 55 38.62	-0.024	11	0.22	46.595	17	37.1	38.31	17	37.1	A0	21	1560	A -1 1121
74		8.4A	5 48.408	-0.0019	13	-6 53 27.37	-0.024	13	0.27	48.439	16	33.5	26.98	16	33.5	F5	16	1795	A -6 1419
75		8.7A	5 57.470	-0.0014	12	-6 32 23.96	-0.007	12	0.25	57.494	16	33.5	23.85	16	33.5	B3	16	1796	A -6 1420
76		8.5A	5 58.605	0.0003	09	-5 19 51.40	-0.007	09	0.22	58.801	16	33.5	51.28	16	33.5	B5	17	1932	A -5 1515
77		9.0A	5 59.103	-0.0003	11	-5 23 31.65	-0.021	11	0.23	59.108	16	33.5	31.30	16	33.5	G5 F	17	1933	A -5 1516
78		8.7A	6 12.156	-0.0007	11	-2 29 20.00	-0.168	11	0.23	12.167	16	33.5	17.24	16	33.5	G5	17	1934	A -2 1494
79		9.0A	6 12.820	-0.0016	11	-4 4 55.01	-0.003	11	0.23	12.846	16	33.5	54.96	16	33.5	G0 F	17	1935	A -4 1373
80		8.0A	6 15.571	-0.0011	11	-5 19 24.23	-0.117	11	0.23	15.589	16	33.5	22.29	16	33.5	K0	17	1936	A -5 1517
81		8.9A	6 15.917	-0.0010	12	-6 37 46.19	0.031	12	0.25	15.934	16	33.5	46.71	16	33.5	F5	16	1797	A -6 1422
82		9.0A	6 19.947	-0.0015	13	-4 11 54.33	0.010	13	0.27	19.971	16	33.5	54.49	16	33.5	G5 F	17	1937	A -4 1374
83		6.6T	6 21.287	-0.0007	16	-7 55 35.45	0.005	14	0.82	21.326	18	97.0	35.74	18	96.4	A2	GC	7818	-7 1299
84		6.6T	6 21.990	-0.0031	15	-6 48 41.96	0.047	15	0.80	22.155	18	97.5	44.41	18	98.2	G5	GC	7819	-6 1424
85		7.6A	6 25.272	0.0022	09	-2 1 39.33	-0.029	11	0.22	25.243	17	37.1	38.96	17	37.1	G5	21	1562	A -2 1495
86		8.4A	6 35.794	-0.0028	12	-9 38 18.74	0.011	12	0.25	35.840	16	33.5	18.92	16	33.5	A2	16	1800	A -9 1343
87		8.9A	6 37.838	-0.0004	12	-8 23 10.28	0.003	12	0.25	37.845	16	33.5	10.34	16	33.5	A2	16	1801	A -8 1331
88		6.8T	6 42.789	0.0007	11	-8 17 32.70	-0.018	12	0.63	42.755	19	98.6	31.79	18	98.8	K0	GC	7829	-8 1332
89		8.0A	6 50.218	-0.0010	11	-3 47 5.91	-0.001	11	0.23	50.234	16	33.5	5.89	16	33.5	B5	17	1939	A -3 1308
90		8.5A	6 51.215	0.0034	12	-5 20 28.11	-0.032	12	0.25	51.159	16	33.5	27.58	16	33.5	F5	17	1940	A -5 1520
91		8.2A	6 55.538	-0.0061	12	-9 7 0.99	0.018	12	0.25	55.639	16	33.5	1.29	16	33.5	G5	16	1804	A -9 1345
92		9.0A	6 55.756	-0.0004	09	-4 4 43.94	0.006	09	0.22	55.762	16	33.5	44.07	16	33.5	A0	17	1941	A -4 1377
93		9.0A	6 58.293	-0.0010	11	-9 31 59.91	-0.003	11	0.23	58.310	16	33.5	59.86	16	33.5	A2	16	1805	A -9 1346
94		8.5A	7 4.558	-0.0010	12	-6 31 34.17	-0.021	12	0.25	4.572	16	33.5	33.83	16	33.5	B9	16	1806	A -6 1432
95		9.0A	7 4.900	-0.0007	11	-6 18 56.71	-0.012	11	0.23	4.912	16	33.5	56.52	16	33.5	B5	16	1807	A -6 1431
96		8.8A	7 5.017	0.0001	13	-5 42 25.84	-0.025	13	0.27	5.017	16	33.5	25.47	16	33.5	K0	17	1943	A -5 1522
97		8.6A	7 5.196	-0.0007	09	-0 23 48.56	-0.051	11	0.22	5.206	17	37.1	47.90	17	37.1	K0	21	1563	A -0 1192
98		8.0A	7 5.828	0.0003	13	-5 3 23.98	0.032	13	0.27	5.824	16	33.5	24.50	16	33.5	B3	17	1944	A -5 1521
99		9.0A	7 6.040	0.0000	15	-3 23 9.40	-0.020	15	0.29	6.040	16	33.5	9.07	16	33.5	G0	17	1942K	A -3 1310
00		6.2T	7 8.944	0.0035	07	-5 42 3.96	0.013	07	0.29	8.814	10	12.4	4.49	10	10.9	F0	GC	7837	-5 1523

132900 — 0° 6H

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ_α s	σ_{μ_α} ″.001	EPOCH 1950 δ_{1950} ° ′ ″	μ'_δ ″	σ_{μ_δ} ″.001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	DM	DM NUMBER
1		9.0A	6 7 24.237	-0.0003	11	-4 32 13.62	0.009	11	0.23	24.275	16	33.5	13.76	16	33.5	A2	17	1946	A	-4 1379
2		8.5A	7 28.905	-0.0006	12	-9 25 20.61	-0.007	12	0.25	28.813	16	33.5	20.50	16	33.5	G5	16	1808	A	-9 1347
3		9.0A	7 31.446	-0.0004	09	-0 33 12.07	0.014	11	0.22	31.452	17	37.1	12.28	17	37.1	G0	21	1565	A	-0 1194
4		8.6A	7 31.956	0.0007	09	-0 17 30.23	-0.015	11	0.22	31.950	17	37.1	30.04	17	37.1	A0	21	1566	A	-0 1193
5		9.0A	7 37.779	-0.0004	13	-4 11 31.75	0.018	13	0.27	37.785	16	33.5	32.04	16	33.5	F5	17	1948	A	-4 1381
6		8.9A	7 43.221	0.0009	09	-0 36 43.13	-0.084	11	0.22	43.209	17	37.1	42.82	17	37.1	G5	R 21	1568	A	-0 1196
7		9.2A	7 43.907	-0.0010	12	-7 43 30.04	0.036	12	0.25	43.915	16	33.5	30.64	16	33.5	A0	16	1809	A	-7 1306
8		8.5A	7 44.133	-0.0012	13	-4 40 20.35	0.006	13	0.27	44.153	16	33.5	20.45	16	33.5	B8	17	1949	A	-4 1383
9		8.9A	7 44.632	-0.0003	09	-0 13 24.15	-0.012	11	0.22	44.635	17	37.1	24.00	17	37.1	K0	R 21	1569	A	-0 1197
10		8.2A	7 45.327	-0.0015	12	-7 5 41.15	0.000	12	0.25	45.352	16	33.5	41.16	16	33.5	K0	16	1810	A	-7 1305
11		8.7A	7 46.316	-0.0023	12	-8 31 37.23	-0.035	12	0.25	46.354	16	33.5	36.68	16	33.5	K0	16	1811	A	-8 1335
12		8.8A	7 50.355	0.0008	09	-1 39 45.89	-0.019	11	0.22	50.344	17	37.1	45.65	17	37.1	G5	21	1570	A	-1 1133
13		8.8A	7 56.508	0.0009	09	-0 13 44.18	-0.084	11	0.22	56.498	17	37.1	43.88	17	37.1	G0	21	1571	A	-0 1198
14		8.2A	7 57.370	-0.0011	12	-8 57 34.24	0.008	12	0.25	0.382	16	33.5	34.34	16	33.5	A0	16	1812	A	-8 1336
15		8.6A	8 2.256	-0.0005	12	-9 20 37.01	0.013	12	0.25	2.262	16	33.5	37.22	16	33.5	F0	16	1815	A	-9 1349
16		9.0A	8 5.204	-0.0015	13	-3 34 59.63	-0.007	13	0.27	5.229	16	33.5	59.51	16	33.5	A0	17	1951	A	-3 1318
17		9.0A	8 11.223	-0.0019	09	-3 57 6.50	0.086	09	0.22	11.254	16	33.5	6.03	16	33.5	K0	F 17	1952	A	-3 1321
18		9.1A	8 12.210	-0.0035	12	-7 8 41.46	-0.018	12	0.25	12.268	16	33.5	41.17	16	33.5	G0	17	1814	A	-7 1308
19		8.9A	8 16.959	-0.0005	13	-2 45 50.25	0.011	13	0.27	16.967	16	33.5	50.43	16	33.5	A0	17	1953	A	-2 1502
20		8.8A	8 20.398	0.0009	12	-9 50 22.85	0.017	12	0.25	20.384	16	33.6	23.11	16	33.6	F0	R 16	1815	A	-9 1351
21		8.8G	8 22.134	0.0040	11	-9 50 27.46	-0.004	07	0.46	21.982	19	07.4	27.27	19	01.2	F0	GC	7889		-9 1352
22		8.7A	8 27.165	-0.0018	12	-9 14 5.18	0.013	12	0.25	27.215	16	33.5	8.40	16	33.5	F5	16	1817	A	-9 1353
23		9.2A	8 33.646	-0.0037	15	-3 30 19.82	-0.015	15	0.29	33.708	16	33.5	19.57	16	33.5	F5	F 17	1955	A	-3 1325
24		6.0T	8 35.419	-0.0001	10	-6 44 31.56	-0.004	08	0.50	35.426	15	98.1	31.40	14	04.3	A0	GC	7875		-6 1439
25		8.1A	8 35.484	0.0005	09	-1 52 18.59	-0.005	11	0.22	35.420	17	37.1	18.53	17	37.1	A0	21	1574	A	-1 1137
26		7.5T	8 36.952	-0.0015	12	-7 16 20.99	-0.008	12	0.60	37.084	15	03.0	20.62	17	02.0	B8	GC	7876		-7 1313
27		9.0A	8 38.123	-0.0011	13	-3 43 55.50	0.015	13	0.27	38.142	16	33.5	55.74	16	33.5	A0	17	1956	A	-3 1328
28		8.7A	8 44.084	0.0004	11	-5 42 45.23	-0.084	11	0.25	44.076	16	33.5	44.84	16	33.5	K2	17	1957	A	-5 1533
29		8.4A	8 44.938	-0.0012	12	-7 41 7.62	0.035	12	0.25	44.958	16	33.5	8.21	16	33.5	F2	16	1821	A	-7 1315
30		8.9A	8 45.728	0.0008	12	-6 53 14.34	0.000	12	0.25	45.715	16	33.5	14.35	16	33.5	B9	16	1820	A	-6 1441
31		8.9A	8 48.274	-0.0013	13	-3 24 20.15	0.011	13	0.27	48.296	16	33.5	20.33	16	33.5	B9	17	1958	A	-3 1330
32		8.4A	8 50.162	-0.0008	12	-5 3 1.82	0.006	12	0.25	50.205	16	33.5	1.91	16	33.5	A0	F 17	1959	A	-5 1534
33		9.0A	8 54.427	-0.0002	09	-1 39 41.58	-0.011	11	0.22	54.430	17	37.1	41.44	17	37.1	A0	21	1575	A	-1 1136
34		8.6A	8 56.284	-0.0009	12	-9 37 24.90	-0.001	12	0.25	56.280	16	33.5	24.88	16	33.5	A0	16	1823	A	-9 1359
35		8.3A	8 58.165	-0.0004	12	-7 14 17.42	-0.005	12	0.25	58.172	16	33.5	17.38	16	33.5	MA	16	1822	A	-7 1318
36		9.1A	8 58.888	-0.0004	12	-4 38 46.00	-0.030	12	0.25	58.834	16	33.5	45.50	16	33.5	F0	17	1961	A	-4 1391
37		8.0B	9 1.005	-0.0004	11	-0 45 16.86	-0.009	07	0.44	1.005	19	09.3	16.42	15	99.9	A0	GC	7885K	B*	-0 1204
38		8.6A	9 7.079	-0.0002	12	-6 57 32.34	-0.014	12	0.25	7.083	16	33.5	32.12	16	33.5	F2	16	1824	A	-6 1442
39		9.0A	9 8.738	-0.0015	13	-3 29 48.73	-0.017	13	0.27	8.762	16	33.5	48.45	16	33.5	G8	F 17	1962	A	-3 1333
40		9.2A	9 13.446	-0.0004	09	-1 3 52.82	-0.028	11	0.22	13.452	17	37.1	52.46	17	37.1	A0	21	1577	A	-1 1140
41		6.0T	9 15.420	-0.0011	10	-4 39 9.98	-0.010	08	0.47	15.478	15	94.7	9.45	12	00.1	B9	GC	7894K	B*	-4 1393
42		9.2A	9 19.576	-0.0007	12	-9 14 45.73	-0.014	11	0.24	19.586	16	33.6	45.50	16	33.6	K0	R 16	1825	A	-9 1360
43		8.2A	9 23.934	-0.0005	09	-1 18 38.35	-0.003	11	0.22	23.936	17	37.1	38.31	17	37.1	B8	21	1579	A	-1 1143
44		5.1T	9 25.722	-0.0007	06	-6 32 14.74	-0.008	05	0.27	25.757	12	02.9	14.47	10	01.9	B3	GC	7899	B*	-6 1446
45		9.3A	9 26.437	-0.0007	12	-6 27 50.14	0.021	12	0.25	26.449	16	33.6	50.49	16	33.6		16	1827	A	-6 1445
46		8.8A	9 30.557	-0.0009	12	-9 26 0.38	0.002	12	0.25	30.572	16	33.6	0.41	16	33.6	K2	R 16	1828	A	-9 1363
47		9.0A	9 31.897	-0.0005	09	-3 37 51.40	0.001	13	0.25	31.901	16	33.5	51.41	16	33.5	A5	F 17	1964	A	-3 1336
48		9.3A	9 35.609	-0.0007	12	-9 51 9.14	-0.006	12	0.25	35.621	16	33.5	9.04	16	33.5	M	16	1829	A	-9 1364
49		9.0A	9 37.202	0.0001	13	-3 45 19.91	-0.040	13	0.27	37.200	16	33.5	19.25	16	33.5	G8	F 17	1965	A	-3 1337
50		9.0A	9 41.486	0.0015	09	-0 17 35.12	-0.009	11	0.22	41.466	17	37.1	35.01	17	37.1	K2	R 21	1580	A	-0 1211
51		8.5A	6 9 42.272	-0.0007	12	-3 21 28.93	0.009	12	0.25	42.283	16	33.5	29.07	16	33.5	A2	17	1966	A	-3 1338
52		9.3A	9 48.122	-0.0011	12	-8 47 15.39	-0.019	12	0.25	48.140	16	33.5	15.08	16	33.5	A0	16	1830	A	-8 1342
53		7.8A	9 53.129	0.0006	11	-7 18 36.38	0.019	11	0.23	53.120	16	33.5	36.70	16	33.5	K2	16	1831	A	-7 1321
54		8.3A	9 57.734	-0.0009	09	-3 37 23.79	0.022	09	0.22	57.749	16	33.5	24.15	16	33.5	G5	17	1968	A	-3 1339
55		9.0A	9 57.976	-0.0012	11	-2 56 12.47	-0.001	11	0.23	57.996	16	33.5	12.45	16	33.5	F8	17	1967K	A	-2 1510
56		8.6A	9 58.525	-0.0006	12	-9 42 50.92	-0.051	12	0.25	58.534	16	33.5	50.08	16	33.5	K0	16	1833	A	-9 1366
57		8.9A	10 1.146	-0.0004	12	-7 27 37.14	-0.040	12	0.25	1.152	16	33.5	36.49	16	33.5	F0	16	1832	A	-7 1322
58		9.0A	10 3.425	-0.0013	12	-9 30 2.61	-0.006	12	0.25	3.444	16	33.5	2.51	16	33.5	G5	16	1834	A	-9 1368
59		9.0B	10 5.409	-0.0020	13	-1 17 17.58	-0.009	07	0.53	5.496	24	07.6	17.11	19	96.5	A	GC	7909K	B*	-1 1146
60		9.0A	10 5.780	0.0015	13	-3 41 58.98	0.028	13	0.27	5.755	16	33.6	59.43	16	33.6	A0	R 17	1969	A	-3 1340
61		8.1G	10 6.168	-0.0002	12	-1 19 12.58	-0.004	07	0.47	6.178	18	09.0	12.40	17	02.9	A0	GC	7910		-1 1147
62		8.9A	10 10.275	-0.0021	11	-6 43 26.35	-0.036	11	0.23	10.311	16	33.5	25.77	16	33.5	K0	16	1835	A	-6 1450
63		9.1A	10 10.302	-0.0009	09	-0 10 51.55	-0.018	11	0.22	10.314	17	37.1	51.32	17	37.1	A2	21	1582	A	-0 1214
64		8.8A	10 13.086	-0.0028	09	-1 4 39.11	-0.011	11	0.22	13.123	17	37.1	38.97	17	37.1	G0	21	1583	A	-1 1149
65		6.5T	10 13.781	-0.0033	12	-2 29 26.53	0.011	12	0.64	13.935	17	96.6	27.11	17	98.3	A0	GC	7916		-2 1512
66		9.0A	10 16.827	-0.0004	12	-8 51 55.59	0.001	12	0.25	16.834	16	33.5	55.61	16	33.5	F5	16	1836	A	-8 1345
67		9.0A	10 18.311	-0.0006	12	-4 2 39.90	0.019	12	0.25	18.320	16	33.5	40.21	16	33.5	A2	17	1971	A	-4 1402
68		9.2A	10 20.339	-0.0025	12	-9 36 18.86	0.021	12	0.25	20.380	16	33.6	19.20	16	33.6	K0	R 16	1837	A	-9 1371
69		9.0A	10 23.985	0.0011	13	-4 13 1.89	-0.053	13	0.27	23.977	16	33.5	1.01	16	33.5	F2	17	1972	A	-4 1403
70		8.6A	10 25.680	-0.0002	12	-7 17 6.83	0.038	12	0.25	25.663	16	33.5	7.47	16	33.5	MA	16	1838	A	-7 1325
71		8.5A	10 31.909	-0.0008	13	-2 37 8.27	-0.007	13	0.27	31.919	16	33.5	8.15	16	33.5	F0	17	1973	A	-2 1513
72		6.7T	10 32.098	0.0007	12	-8 42 54.03	-0.031	22	0.86	32.022	24	01.8	52.66	24	05.4	B9	GC	7923		-8 1346
73		6.9T	10 34.798	0.0008	11	-4 55 13.29	-0.054	11	0.59	34.785	17	98.7	10.50	17	98.4	K0	GC	7927		-4 1405
74		9.0A	10 39.997	-0.0025	09	-0 57 4.35	-0.012	11	0.22	40.027	17	37.1	4.20	17	37.1	K2	R 21	1587	A	-0 1215
75		8.9A	10 41.021	-0.0015	13	-6 20 32.89	0.010	13	0.27	41.045	16	33.5	33.06	16	33.5	K0	16	1840	A	-6 1453
76		8.5A	10 44.523	-0.0000	12	-7 28 29.99	0.001	12	0.25	44.523	16	33.5	30.02	16	33.5	K0	16	1841	A	-7 1327
77		7.7A	10 44.676	-0.0007	12	-4 39 42.52	-0.004	12	0.25	44.687	16	33.5	42.45	16	33.5	K0	17	1975	A	-4 1407
78		8.9A	10 47.847	-0.0005	09	-0 29 13.86	-0.013	11	0.22	47.853	17	37.1	13.69	17	37.1	A2	21	1588	A	-0 1216
79		8.4A	10 51.256	0.0016	12	-6 23 25.07	0.004	12	0.25	51.229	16	33.5	25.15	16	33.5	G5	16	1842K	A	-6 1456
80		8.3A	10 51.331	-0.0011	11	-9 4 3.62	-0.005	11	0.23	51.349	16	33.5	3.54	16	33.5	G5	16	1843	A	-9 1373
81		9.0A	10 55.087	-0.0015	09	-2 40 12.76	0.013	09	0.22	55.121	16	33.5	12.97	16	33.5	G5	17	1976	A	-2 1514
82		9.0A	10 55.255	-0.0009	13	-9 32 30.77	-0.049	13	0.27	55.289	16	33.5	29.96	16	33.5	G0	16	1844	A	-9 1374
83		8.9A	11 0.021	-0.0019	11	-7 41 44.30	-0.075	11	0.23	0.052	16	33.5	43.07	16	33.5	F5	16	1845	A	-7 1328
84		9.0A	11 3.102	-0.0001	09	-0 35 30.24	-0.029	11	0.22	3.102	17	37.1	29.87	17	37.1	K2	21	1590	A	-0 1219
85		8.4A	11 3.527	-0.0005	09	-4 35 6.67	-0.013	09	0.22	3.535	16	33.5	6.45	16	33.5	A0	17	1978	A	-4 1410
86		7.9A	11 4.862	-0.0017	12	-2 14 17.48	0.002	12	0.25	4.889	16	33.5	17.51	16	33.5	B8	17	1977	A	-2 1515
87		8.9A	11 4.962	0.0013	09	-1 48 28.56	-0.036	11	0.22	4.944	17	37.1	26.10	17	37.1	F5	21	1591	A	-1 1155
88		9.1A	11 7.073	-0.0007	12	-7 43 50.54	0.015	12	0.25	7.085	16	33.5	50.79	16	33.5	F0	16	1846	A	-7 1330
89		9.0A	11 7.801	-0.0020	09	-0 17 31.78	-0.112	11	0.22	7.827	17	37.1	30.34	17	37.1	G5	21	1592	A*	-0 1220
90		9.0A	11 12.635	0.0002	11	-6 10 18.51	-0.015	11	0.23	12.631	16	33.5	18.27	16	33.5	G5	17	1979	A	-6 1460
91		9.2A	11 15.980	-0.0001	13	-9 11 19.91	-0.063	13	0.27	15.981	16	33.5	18.87	16	33.5	G0	16	1848	A	-9 1376
92		8.8A	11 17.620	-0.0004	09	-1 2 45.97	-0.030	11	0.22	17.626	17	37.1	45.59	17	37.1	A0	21	1593	A	-1 1156
93		8.7A	11 18.383	-0.0001	12	-8 39 16.06	-0.026	12	0.25	18.384	16	33.5	15.63	16	33.5	K0	16	1849	A	-8 1355
94		5.9T	11 24.957	-0.0011	13	-3 43 34.61	0.024	09	0.62	25.016	17	93.6	35.69	14	05.0	G5	GC	7952		-3 1345
95		8.0A	11 30.499	-0.0008	11	-6 48 27.91	-0.007	12	0.24	30.511	16	33.5	27.80	16	33.5	B8	16	1850	A	-6 1461
96		9.0A	11 31.128	0.0011	13	-3 57 16.95	0.149	13	0.27	31.109	16	33.5	19.41	16	33.5	G2	F 17	1981	A	-3 1346
97		6.7T	11 31.770	-0.0022	12	-7 13 58.75	0.028	12	0.60	31.891	17	96.0	58.27	17	98.4	B9	GC	7954		-7 1332
98		9.3A	11 33.880	-0.0007	13	-9 46 0.91	0.003	13	0.27	33.892	16	33.5	0.96	16	33.5	F0	16	1852	A	-9 1378
99		9.0A	11 38.948	0.0001	13	-3 55 46.13	-0.022	13	0.27	38.947	16	33.5	45.76	16	33.5	A0	17	1982	A	-3 1349
00		9.0A	11 43.567	0.0002	09	-1 37 4.11	-0.027	11	0.22	43.584	17	37.1	3.76	17	37.1	G5	R 21	1594	A	-1 1158

133000 — 0° 6H

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	EPOCH 1950 μ s	EPOCH 1950 σ_μ .001"	EPOCH 1950 δ_{1950} ° ′ ″	EPOCH 1950 μ' ″	EPOCH 1950 $\sigma_{\mu'}$ .001"	EPOCH 1950 σ_{1950} ″	ORIGINAL EPOCH α_2 s	ORIGINAL EPOCH σ .01"	ORIGINAL EPOCH ep.	ORIGINAL EPOCH δ_2 ″	ORIGINAL EPOCH σ' .01"	ORIGINAL EPOCH ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	DM NUMBER
1		8.4A	6 11 57.531	-0.0000	12	-6 50 17.78	0.004	12	0.25	57.532	16	33.5	17.86	16	33.5	K0	16	1853	A -6 1463
2		9.0A	11 57.915	-0.0011	12	-8 59 59.19	0.003	12	0.25	57.934	16	33.5	59.24	16	33.5	F0	16	1854	A -8 1358
3		5.8T	12 8.276	-0.0009	08	-4 33 7.97	0.005	07	0.33	8.310	12	10.1	8.18	12	06.0	A0	GC	7980K	-4 1421
4		8.8A	12 12.466	-0.0008	13	-6 33 56.76	-0.002	13	0.27	12.479	16	33.5	56.74	16	33.5	A0	16	1856	A -6 1467
5		8.7A	12 13.963	-0.0003	09	-0 31 30.47	-0.019	11	0.22	13.967	17	37.1	30.23	17	37.1	G5	21	1599	A -0 1227
6		8.6A	12 15.360	-0.0008	12	-7 25 23.41	0.019	12	0.25	15.370	16	33.5	23.73	16	33.5	F0	16	1857	A -7 1338
7		7.3A	12 15.418	-0.0009	13	-4 21 57.35	-0.012	13	0.27	15.432	16	33.5	57.15	16	33.5	K0	17	1986	A -4 1422
8		8.5A	12 15.856	0.0012	13	-4 8 40.62	0.006	13	0.27	15.836	16	33.5	40.72	16	33.5	K5	17	1985	A -4 1423
9		8.7A	12 16.052	-0.0017	13	-2 57 5.86	0.006	13	0.27	16.081	16	33.5	5.96	16	33.5	A0	17	1984	A -2 1527
10		9.1A	12 17.339	-0.0023	12	-9 27 35.05	-0.024	12	0.25	17.377	16	33.5	34.66	16	33.5	K0	16	1858	A -9 1381
11		8.6A	12 19.020	-0.0003	09	-0 23 55.13	-0.020	11	0.22	19.024	17	37.1	54.88	17	37.1	A0	21	1601	A -0 1228
12		4.1T	12 24.938	-0.0006	02	-6 15 28.70	-0.019	02	0.12	24.966	04	06.3	27.82	05	05.3	K0	GC	7986K	B* -6 1469
13		8.9A	12 31.049	0.0007	13	-5 17 6.45	0.010	13	0.27	31.038	16	33.5	6.61	16	33.5	A0	17	1988	A -5 1553
14		8.3A	12 31.135	-0.0005	09	-3 27 12.03	0.024	09	0.22	31.143	16	33.5	12.42	16	33.5	F0	F 17	1987	A -3 1354
15		7.5A	12 31.229	-0.0026	12	-8 47 15.07	0.019	12	0.25	31.272	16	33.5	15.39	16	33.5	B8	16	1862	A -8 1361
16		8.5A	12 31.352	-0.0010	13	-7 41 16.12	-0.023	13	0.27	31.369	16	33.5	15.75	16	33.5	B9	16	1861	A -7 1341
17		8.6A	12 32.052	0.0002	12	-6 49 48.38	-0.005	12	0.25	32.050	16	33.5	48.31	16	33.5	F0	16	1860	A -6 1470
18		8.8A	12 38.938	0.0015	13	-4 36 11.53	0.006	13	0.27	38.913	16	33.5	11.62	16	33.5	B9	17	1989	A -4 1426
19		8.2A	12 40.553	-0.0066	12	-8 36 37.20	0.026	12	0.25	40.662	16	33.5	37.63	16	33.5	F5	16	1863	A -8 1364
20		9.0A	12 43.336	-0.0009	17	-5 47 48.84	0.016	17	0.31	43.351	16	33.5	49.11	16	33.5	A0	17	1992	A -5 1555
21		9.2A	12 43.420	-0.0010	13	-4 35 17.26	0.011	13	0.27	43.436	16	33.5	17.44	16	33.5	A0	17	1991	A -4 1427
22		9.0A	12 44.020	0.0014	13	-3 29 8.28	-0.052	13	0.27	43.997	16	33.5	7.42	16	33.5	G0	F 17	1990	A -3 1355
23		9.0A	12 46.896	-0.0002	12	-7 58 28.03	0.032	12	0.25	46.899	16	33.5	28.57	16	33.5	A2	16	1865	A -7 1342
24		8.7A	12 47.530	-0.0015	12	-6 20 25.22	-0.002	12	0.25	47.555	16	33.5	25.20	16	33.5	A2	16	1864	A -6 1472
25		7.6A	12 54.720	0.0003	09	-1 22 57.23	-0.019	11	0.22	54.716	17	37.1	56.99	17	37.1	G5	21	1603	A -1 1166
26		8.9A	12 56.895	-0.0020	13	-6 8 42.12	-0.023	13	0.27	56.928	16	33.5	41.75	16	33.5	K0	17	1993	A -6 1473
27		6.0T	13 1.581	0.0013	12	-4 53 50.04	-0.046	09	0.62	1.507	17	94.9	47.33	15	91.4	A2	GC	8000K	B* -4 1431
28		5.7T	13 1.607	-0.0110	06	-0 29 30.51	-0.223	06	0.26	2.042	10	10.6	21.81	09	10.9	F5	GC	8001	B* -0 1234
29		6.0T	13 2.979	-0.0028	14	-9 1 5.79	0.013	09	0.61	3.121	21	00.1	6.37	15	06.6	B9	GC	8002K	B* -8 1368
30		9.0A	13 4.763	-0.0007	13	-5 55 35.94	-0.029	13	0.27	4.775	16	33.5	35.46	16	33.5	K0	17	1995	A -5 1560
31		9.1A	13 6.305	-0.0021	12	-9 23 37.14	-0.003	12	0.25	6.339	16	33.5	37.09	16	33.5	G0	16	1870K	A -9 1384
32		8.4A	13 7.285	-0.0024	12	-9 49 52.91	0.002	11	0.24	7.324	16	33.5	52.94	16	33.5	K0	16	1871	A -9 1385
33		9.0A	13 7.291	-0.0003	09	-0 0 40.24	-0.057	11	0.22	7.294	17	37.1	39.51	17	37.1	A2	21	1605	A 0 1350
34		9.1A	13 7.393	0.0001	09	-1 13 49.37	-0.028	11	0.22	7.391	17	37.1	49.01	17	37.1	F5	R 21	1606	A -1 1168
35		9.1A	13 7.976	0.0014	12	-7 15 19.72	-0.041	12	0.25	7.953	16	33.5	19.05	16	33.5	F8	16	1869	A -7 1345
36		9.1A	13 8.542	0.0028	13	-9 33 41.53	-0.035	13	0.27	8.496	16	33.5	40.95	16	33.5	F5	16	1872	A -9 1386
37		8.8A	13 13.387	0.0003	12	-9 26 34.48	-0.021	12	0.25	13.383	16	33.5	34.13	16	33.5	G5	16	1873	A -9 1388
38		8.7A	13 16.166	0.0007	13	-2 22 3.45	-0.005	13	0.27	16.155	16	33.5	3.37	16	33.5	K5	17	1996	A -2 1530
39		7.9A	13 19.923	-0.0009	10	-6 11 27.17	-0.007	08	0.49	19.970	14	00.5	26.84	15	98.8	B8	GC	8018	-6 1475
40		9.0A	13 21.201	0.0002	13	-2 36 42.27	0.004	12	0.26	21.198	16	33.5	42.33	16	33.5	A0	17	1997	A -2 1532
41		8.9A	13 27.369	-0.0017	13	-2 15 28.21	-0.013	13	0.27	27.396	16	33.5	27.99	16	33.5	A0	17	1999	A -2 1533
42		8.7A	13 30.463	0.0001	13	-3 57 2.70	0.010	13	0.27	30.461	16	33.5	2.86	16	33.5	K0	17	2000	A -3 1361
43		9.0A	13 33.631	-0.0020	13	-7 1 17.72	-0.014	13	0.27	33.664	16	33.5	17.50	16	33.5	F8	16	1875	A -7 1347
44		8.1A	13 37.212	0.0003	11	-2 51 51.13	-0.010	11	0.23	37.206	16	33.5	50.97	16	33.5	A0	17	2001K	A -2 1534
45		9.0A	13 38.927	-0.0002	13	-4 28 48.22	-0.033	13	0.27	38.930	16	33.5	47.67	16	33.5	A0	17	2002	A -4 1435
46		8.7A	13 42.695	0.0003	13	-3 21 29.00	0.028	13	0.27	42.689	16	33.5	29.46	16	33.5	A5	17	2003	A -3 1362
47		9.0A	13 42.744	-0.0004	13	-3 58 52.24	0.004	13	0.27	42.750	16	33.5	52.30	16	33.5	G0	17	2004	A -3 1363
48		8.3A	13 44.909	0.0001	12	-9 34 10.56	-0.016	12	0.25	44.908	16	33.5	10.30	16	33.5	K0	16	1878	A -9 1390
49		8.7P	13 57.235	-0.0004	12	-6 10 4.45	0.001	11	0.56	57.252	15	02.3	4.53	15	00.7	K5	GC	8040	-6 1477
50		8.6A	13 59.936	0.0017	12	-6 27 7.15	-0.010	12	0.25	59.908	16	33.5	7.00	16	33.5	A2	16	1880	A -6 1478
51		7.8A	6 14 0.822	-0.0017	12	-9 54 59.57	0.012	12	0.25	0.850	16	33.5	59.77	16	33.5	K0	16	1881	A -9 1395
52		8.8A	14 7.040	-0.0002	12	-7 18 19.35	0.009	12	0.25	7.044	16	33.5	19.51	16	33.5	A0	16	1882	A -7 1349
53		8.7A	14 12.232	-0.0017	13	-3 20 21.34	0.027	13	0.27	12.261	16	33.5	21.78	16	33.5	K5	17	2006	A -3 1368
54		8.7A	14 13.152	-0.0013	13	-3 26 28.70	0.012	13	0.27	13.174	16	33.5	28.89	16	33.5	F2	F 17	2007	A -3 1369
55		8.7A	14 15.472	-0.0007	13	-3 11 34.51	0.004	13	0.27	15.483	16	33.5	34.58	16	33.5	A0	17	2008	A -3 1370
56		8.9A	14 16.590	-0.0019	09	-0 7 1.27	-0.024	11	0.22	16.614	17	37.1	0.96	17	37.1	B8	21	1612	A -0 1237
57		9.0A	14 25.446	0.0003	12	-2 51 38.13	-0.004	12	0.25	25.441	16	33.5	38.07	16	33.5	G0	F 17	2009	A -2 1542
58		8.3A	14 38.793	-0.0007	09	-6 5 59.48	0.004	09	0.22	38.806	16	33.5	59.56	16	33.5	B9	17	2010	A -6 1482
59		8.6A	14 38.956	0.0000	12	-7 48 33.82	-0.038	12	0.25	38.956	16	33.5	33.20	16	33.5	F5	16	1885	A -7 1352
60		8.2A	14 44.056	0.0006	12	-6 13 26.82	-0.009	12	0.25	44.046	16	33.5	26.68	16	33.5	B9	16	1886	A -6 1485
61		9.0A	14 44.776	-0.0001	11	-4 38 4.19	-0.001	11	0.23	44.777	16	33.5	4.17	16	33.5	B9	17	2011	A -4 1442
62		8.0A	14 47.902	0.0010	13	-5 19 26.87	-0.010	13	0.27	47.886	16	33.5	26.70	16	33.5	A2	17	2012	A -5 1565
63		9.1A	14 55.276	-0.0033	12	-3 1 50.66	-0.054	12	0.25	55.331	16	33.5	49.76	16	33.5	K0	17	2013	A -3 1373
64		9.1A	14 56.082	0.0010	13	-7 26 6.32	-0.052	13	0.27	56.066	16	33.5	5.47	16	33.5	G0	16	1887	A -7 1353
65		9.4A	14 56.601	0.0001	15	-2 53 29.21	0.011	15	0.29	56.600	16	33.5	29.39	16	33.5	A2	F 17	2014	A -2 1547
66		8.3A	14 59.803	-0.0017	12	-9 37 8.05	0.020	12	0.25	59.832	16	33.5	8.38	16	33.5	K0	16	1888	A -9 1402
67		9.1A	15 0.517	0.0009	13	-3 5 36.81	-0.035	13	0.27	0.503	16	33.5	36.24	16	33.5	G0	17	2015	A -3 1374
68		9.2A	15 1.446	0.0003	13	-4 58 19.32	0.016	13	0.27	1.440	16	33.5	19.58	16	33.5	A0	17	2016	A -4 1443
69		8.7A	15 3.614	-0.0008	11	-5 17 20.26	0.010	11	0.23	3.628	16	33.5	20.42	16	33.5	K0	17	2017	A -5 1567
70		8.7A	15 14.864	-0.0019	12	-7 52 12.22	-0.013	12	0.25	14.895	16	33.5	12.02	16	33.5	K0	16	1889	A -7 1358
71		6.8T	15 24.675	-0.0008	13	-4 21 43.60	-0.043	13	0.64	24.711	15	02.8	41.61	17	03.7	K0	GC	8077	-4 1445
72		8.6A	15 26.666	-0.0017	12	-9 57 50.47	0.018	12	0.25	26.695	16	33.5	50.77	16	33.5	A0	16	1891	A -9 1404
73		9.1A	15 27.634	-0.0029	13	-7 31 49.82	0.006	13	0.27	27.682	16	33.5	49.93	16	33.5	A0	16	1890	A -7 1359
74		9.0A	15 28.031	0.0010	09	-1 38 27.26	-0.038	11	0.22	28.018	17	37.1	26.77	17	37.1	A0	21	1617	A -1 1185
75		8.5A	15 34.387	-0.0003	09	-0 21 1.56	-0.019	11	0.22	34.392	17	37.1	1.32	17	37.1	B5	21	1619	A -0 1247
76		6.9T	15 42.411	0.0018	17	-6 42 19.84	0.022	18	0.86	42.326	17	01.7	20.90	18	02.8	K0	GC	8090	-6 1487
77		8.6A	15 43.003	0.0015	12	-6 48 6.05	-0.015	12	0.26	42.978	16	33.1	5.81	16	33.1	G5	16	1893	A -6 1488
78		6.6T	15 50.242	0.0004	13	-5 38 1.56	-0.014	11	0.63	50.220	17	00.8	0.89	18	00.0	A0	GC	8091K	B* -5 1576
79		9.2A	15 50.859	-0.0009	12	-2 10 29.28	0.035	12	0.26	50.875	16	33.1	29.88	16	33.1	A2	F 17	2019	A -2 1552
80		8.5A	15 55.465	-0.0025	12	-7 10 16.84	-0.099	12	0.26	55.507	16	33.1	15.17	16	33.1	K0	16	1894	A -7 1363
81		8.7A	15 58.897	0.0017	15	-2 57 20.31	-0.015	15	0.30	58.869	16	33.1	20.05	16	33.1	A0	17	2021	A -2 1553
82		8.6A	16 4.365	-0.0007	13	-2 27 26.08	0.031	13	0.28	4.377	16	33.1	26.60	16	33.1	A2	17	2022	A -2 1554
83		8.6A	16 8.984	-0.0014	12	-7 49 10.18	0.006	12	0.26	9.009	16	33.1	10.29	16	33.1	K2	16	1895	A -7 1365
84		9.0A	16 9.428	-0.0010	13	-4 53 9.12	0.016	13	0.28	9.445	16	33.1	9.39	16	33.1	A0	17	2023	A -4 1448
85		8.6A	16 11.940	0.0018	13	-3 42 5.84	-0.021	13	0.28	11.909	16	33.1	5.48	16	33.1	F5	17	2024	A -3 1384
86		8.7A	16 15.845	0.0022	11	-2 59 21.16	-0.041	11	0.24	15.808	16	33.1	20.46	16	33.1	G5	17	2025	A -2 1556
87		8.6A	16 16.851	-0.0000	12	-7 55 14.77	0.013	12	0.26	16.852	16	33.1	15.00	16	33.1	K0	16	1896	A -7 1366
88		8.7A	16 20.509	-0.0017	12	-8 52 28.79	0.013	12	0.26	20.537	16	33.1	29.01	16	33.1	K2	16	1897	A -8 1385
89		8.3A	16 23.261	-0.0013	13	-5 2 32.52	-0.026	13	0.28	23.284	16	33.1	32.07	16	33.1	A5	17	2026	A -5 1581
90		8.9A	16 24.705	-0.0012	09	-5 14 31.98	-0.004	09	0.22	24.726	16	33.1	31.90	16	33.1	A0	17	2027	A -5 1582
91		5.7T	16 27.835	-0.0002	08	-9 22 6.14	-0.035	07	0.31	27.841	12	09.0	4.73	12	09.5	K0	GC	8107	B* -9 1411
92		9.2A	16 33.951	0.0007	13	-3 12 43.30	-0.000	13	0.28	33.938	16	33.1	43.30	16	33.1	K0	17	2028	A -3 1385
93		8.0A	16 35.785	-0.0003	09	-1 20 43.01	-0.032	11	0.22	35.789	17	37.1	42.60	17	37.1	K0	21	1620	A -1 1188
94		8.0A	16 36.922	-0.0012	13	-3 43 30.49	-0.006	13	0.28	36.942	16	33.1	30.39	16	33.1	A0	17	2029	A -3 1387
95		8.5A	16 38.261	0.0010	13	-3 24 59.54	-0.024	13	0.28	38.244	16	33.1	59.14	16	33.1	G0	17	2030	A -3 1386
96		9.0A	16 39.185	-0.0001	13	-4 9 35.49	-0.011	13	0.28	39.186	16	33.1	35.30	16	33.1	A2	17	2031	A -4 1451
97		8.8A	16 43.962	0.0005	09	-0 16 21.55	-0.046	11	0.22	43.956	17	37.1	20.96	17	37.1	F8	21	1621	A -0 1254
98		6.1T	16 44.290	-0.0019	13	-8 33 52.27	-0.012	11	0.61	44.376	19	03.7	51.69	19	01.3	B9	GC	8113	-8 1386
99		9.0A	16 45.029	-0.0009	09	-1 21 39.22	-0.068	14	0.23	45.041	17	37.1	38.35	17	37.1	F2	R 21	1622	A -1 1189
00		7.8A	16 48.409	-0.0013	09	-0 53 34.44	-0.023	11	0.22	48.426	17	37.1	34.14	17	37.1	K0	21	1623	A -0 1255

133100

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ_s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	DM NUMBER
1		9.1A	6 16 52.602	-0.0006	09	-5 10 31.10	-0.010	09	0.22	52.613	16	33.1	30.92	16	33.1	A2	17	2032	A -5 1584
2		8.3A	16 52.829	-0.0011	12	-8 36 59.90	0.003	12	0.26	52.847	16	33.1	59.95	16	33.1	A0	16	1900	A -8 1387
3		8.0A	16 56.257	-0.0009	09	-1 41 41.84	0.000	11	0.22	56.269	17	37.1	41.85	17	37.1	A	21	1624	A -1 1191
4		8.8A	16 59.761	0.0002	12	-6 25 51.18	-0.006	12	0.26	59.758	16	33.1	51.09	16	33.1	A0	16	1901	A -6 1491
5		8.7A	17 7.279	-0.0035	12	-9 15 58.50	0.022	12	0.26	7.338	16	33.1	58.87	16	33.1	A3	16	1902	A -9 1416
6		8.8A	17 8.787	-0.0025	12	-9 46 2.39	-0.010	12	0.26	8.830	16	33.1	2.22	16	33.1	K0	16	1903	A -9 1417
7		8.6A	17 10.886	-0.0006	09	-1 11 5.64	-0.010	11	0.22	10.874	17	37.1	5.52	17	37.1	A0	21	1625	A -1 1192
8		8.9A	17 14.936	-0.0020	12	-9 21 37.66	0.018	12	0.26	14.970	16	33.1	38.17	16	33.1	A0	16	1905	A -9 1419
9		9.2A	17 16.353	-0.0012	12	-7 27 32.31	0.015	12	0.26	16.373	16	33.6	32.57	16	33.6	K2	R 16	1904	A -7 1370
10		9.0A	17 16.568	-0.0013	09	-5 15 46.52	-0.025	09	0.22	16.590	16	33.1	46.09	16	33.1	MA	17	2033	A -5 1588
11		8.9A	17 17.352	0.0004	12	-7 40 45.63	0.018	12	0.26	17.346	16	33.1	45.94	16	33.1	K0	16	1907	A -7 1371
12		8.8A	17 17.597	-0.0007	12	-4 29 13.98	0.011	12	0.26	17.608	16	33.1	14.16	16	33.1	A0	17	2034	A -4 1457
13		8.9A	17 18.076	-0.0020	12	-6 47 25.59	-0.007	12	0.26	18.111	16	33.1	25.48	16	33.1	K0	16	1906	A -6 1495
14		5.1M	17 18.205	-0.0007	02	-7 48 1.79	-0.002	02	0.06	18.225	03	20.5	1.72	03	18.9	B3	F4	1170	-7 1373
15		8.8A	17 20.561	-0.0013	12	-8 14 58.36	-0.046	12	0.26	20.583	16	33.1	57.59	16	33.1	A2	16	1909	A -8 1390
16		9.0A	17 22.576	-0.0010	09	-1 36 58.90	-0.013	11	0.22	22.589	17	37.1	58.74	17	37.1	K0	R 21	1626	A -1 1194
17		9.0A	17 27.723	0.0001	13	-5 7 31.02	-0.008	13	0.28	27.721	16	33.1	30.88	16	33.1	K2	17	2036	A -5 1590
18		5.2T	17 29.268	-0.0012	08	-2 55 18.09	0.003	06	0.30	29.316	12	08.8	18.21	10	09.4	M0	GC	8137	B* -2 1564
19		8.1A	17 29.842	0.0002	11	-7 13 40.77	-0.019	11	0.24	29.838	16	33.1	40.46	16	33.1	B9	16	1910K	A -7 1375
20		9.1A	17 30.504	0.0004	12	-8 2 12.13	-0.021	12	0.26	30.497	16	33.1	11.78	16	33.1	F8	16	1911	A -8 1391
21		8.9A	17 33.074	-0.0001	12	-7 44 37.97	-0.013	12	0.26	33.073	16	33.1	37.76	16	33.1	G5	16	1912	A -7 1376
22		9.0A	17 37.623	-0.0014	09	-1 12 35.59	-0.020	11	0.22	37.641	17	37.1	35.34	17	37.1	K0	R 21	1627	A -1 1195
23		9.0A	17 39.317	-0.0005	13	-5 34 19.25	0.012	13	0.28	39.308	16	33.1	19.46	16	33.1	A5	17	2037	A -5 1591
24		6.9T	17 42.256	-0.0020	10	-7 50 54.96	-0.012	07	0.47	42.361	15	98.6	54.36	14	98.3	A5	GC	8150	-7 1378
25		8.2A	17 44.901	0.0003	09	-2 1 53.76	-0.017	11	0.22	44.897	17	37.1	53.54	17	37.1	A0	21	1628	A -1 1196
26		8.0A	17 45.156	-0.0001	13	-8 48 52.64	-0.024	13	0.28	45.157	16	33.1	52.23	16	33.1	K0	16	1915	A -8 1392
27		8.3A	17 50.793	-0.0007	09	-1 16 19.95	-0.026	11	0.22	50.802	17	37.1	19.62	17	37.1	A0	21	1629	A -1 1199
28		9.2A	17 53.887	-0.0007	09	-2 3 51.81	0.001	11	0.22	53.896	17	37.1	51.83	17	37.1	A2	R 21	1630	A -2 1568
29		8.5A	17 55.181	0.0013	11	-5 55 14.16	-0.057	09	0.23	55.160	16	33.1	13.20	16	33.1	G5	17	2039	A -5 1594
30		9.0A	17 57.746	-0.0020	13	-4 13 37.07	-0.026	13	0.28	57.780	16	33.1	36.63	16	33.1	K0	F 17	2040	A -4 1461
31		8.2A	17 59.534	-0.0019	09	-1 20 35.51	-0.017	11	0.22	59.559	17	37.1	35.29	17	37.1	A0	21	1631	A -1 1201
32		9.1A	17 59.699	-0.0017	11	-3 16 24.49	0.008	11	0.24	59.728	16	33.1	24.62	16	33.1	F5	F 17	2041	A -3 1391
33		9.0A	18 6.866	-0.0009	13	-5 58 35.81	0.021	13	0.28	6.881	16	33.1	36.17	16	33.1	A0	17	2042	A -5 1597
34		8.6A	18 16.861	0.0025	11	-6 17 28.74	0.052	11	0.24	16.819	16	33.1	29.63	16	33.1	G5	16	1918	A -6 1504
35		7.3A	18 17.869	-0.0024	12	-9 52 1.83	0.020	12	0.26	17.929	16	33.1	2.17	16	33.1	A2	16	1920	A -9 1425
36		6.6T	18 21.920	0.0013	15	-4 34 16.68	-0.046	16	0.75	21.855	18	01.7	14.55	19	03.8	A5	GC	8167	-4 1467
37		9.2A	18 27.608	-0.0021	12	-3 19 13.08	0.026	12	0.26	27.644	16	33.1	13.52	16	33.1	F5	F 17	2044	A -3 1394
38		9.1A	18 28.685	0.0000	13	-3 44 1.26	0.066	13	0.28	28.685	16	33.1	2.38	16	33.1	F8	F 17	2045	A -3 1395
39		9.0A	18 29.893	-0.0002	11	-3 59 8.14	-0.003	11	0.24	29.886	16	33.1	8.09	16	33.1	A0	17	2046	A -3 1396
40		8.0A	18 31.061	0.0000	13	-3 28 43.43	-0.024	13	0.28	31.061	16	33.1	43.02	16	33.1	F2	17	2047	A -3 1397
41		9.1A	18 31.781	-0.0000	12	-8 7 22.03	0.000	12	0.26	31.782	16	33.1	22.04	16	33.1	A2	16	1922	A -8 1396
42		8.1A	18 32.328	-0.0007	12	-6 40 4.75	-0.005	12	0.26	32.340	16	33.1	4.68	16	33.1	B9	16	1921	A -6 1507
43		9.0A	18 37.568	-0.0008	11	-6 3 19.18	0.002	11	0.24	37.576	16	33.1	19.23	16	33.1	A5	17	2048	A -6 1508
44		9.0A	18 40.346	-0.0003	13	-5 54 58.54	0.008	13	0.28	40.352	16	33.1	58.69	16	33.1	A3	17	2050	A -5 1599
45		8.8A	18 41.969	-0.0012	09	-1 21 33.62	0.006	11	0.22	41.984	17	37.1	33.70	17	37.1	K2	21	1634	A -1 1205
46		8.0A	18 42.131	-0.0021	13	-4 19 33.09	-0.015	13	0.28	42.167	16	33.1	32.83	16	33.1	A0	17	2049	A -4 1470
47		8.8A	18 44.038	-0.0013	12	-9 4 54.18	0.004	12	0.26	44.060	16	33.1	54.25	16	33.1	K0	16	1925	A -9 1429
48		8.0A	18 47.939	-0.0011	09	-1 11 47.68	-0.027	11	0.22	47.952	17	37.1	47.33	17	37.1	B9	21	1635	A -1 1207
49		9.1A	18 48.590	-0.0004	11	-6 1 38.85	-0.014	11	0.24	48.597	16	33.1	38.62	16	33.1	A0	17	2051	A -5 1601
50		9.1A	18 49.244	-0.0007	12	-6 45 27.13	-0.051	12	0.26	49.256	16	33.1	26.27	16	33.1	G5	16	1927	A -6 1511
51		9.1A	6 19 1.086	-0.0000	09	-0 18 10.21	-0.007	11	0.22	1.026	17	37.1	10.12	17	37.1	A0	R 21	1636	A -0 1265
52		9.0A	19 9.858	-0.0019	09	-0 44 25.86	-0.041	11	0.22	9.882	17	37.1	25.33	17	37.1	G0	21	1637	A -0 1267
53		8.0A	19 10.360	-0.0014	09	-0 30 44.11	-0.172	11	0.22	10.378	17	37.1	41.89	17	37.1	G5	21	1638	A -0 1266
54		8.5A	19 15.899	-0.0011	11	-5 17 4.88	-0.022	11	0.24	15.918	16	33.1	4.50	16	33.1	A0	17	2052	A -5 1602
55		9.1A	19 17.288	-0.0023	12	-8 59 46.28	-0.002	12	0.26	17.326	16	33.1	46.25	16	33.1	K5	16	1929	A -8 1402
56		8.8A	19 17.634	-0.0016	11	-8 12 39.75	-0.016	11	0.24	17.661	16	33.1	39.49	16	33.1	MA	16	1928	A -8 1401
57		8.6A	19 20.276	-0.0026	13	-5 40 53.07	0.010	13	0.28	20.320	16	33.1	53.23	16	33.1	A0	17	2053	A -5 1604
58		7.3A	19 20.513	-0.0014	12	-9 39 28.90	0.008	12	0.26	20.537	16	33.1	29.04	16	33.1	A0	16	1930	A -9 1431
59		9.1A	19 29.741	0.0009	15	-4 24 41.69	-0.051	15	0.30	29.726	16	33.1	40.82	16	33.1	G5	F 17	2055	A -4 1473
60		8.6T	19 29.754	-0.0027	11	-2 0 15.44	-0.014	09	0.48	29.875	15	04.8	14.79	15	03.3	A3	GC	8198	-1 1212
61		8.6A	19 31.141	-0.0009	13	-6 24 57.76	-0.012	13	0.28	31.155	16	33.1	57.56	16	33.1	K0	16	1932	A -6 1517
62		8.7A	19 32.183	0.0000	09	-1 32 46.23	0.011	11	0.22	32.183	17	37.1	46.38	17	37.1	K0	21	1641	A -1 1213
63		9.0A	19 33.929	0.0004	09	-0 33 9.22	-0.013	11	0.22	33.924	17	37.1	9.05	17	37.1	K5	21	1642	A -0 1268
64		8.2A	19 34.367	-0.0017	12	-8 12 16.68	-0.029	12	0.26	34.395	16	33.1	16.20	16	33.1	A0	16	1933	A -8 1404
65		8.2A	19 35.117	0.0002	13	-5 25 46.17	0.024	13	0.28	35.114	16	33.1	46.57	16	33.1	G0	17	2056	A -5 1606
66		8.4A	19 37.755	-0.0006	11	-9 28 8.60	-0.004	11	0.24	37.765	16	33.1	8.53	16	33.1	A0	16	1934	A -9 1434
67		8.0A	19 42.236	-0.0001	13	-4 43 41.43	-0.003	13	0.28	42.238	16	33.1	41.38	16	33.1	A0	17	2058	A -4 1476
68		8.5A	19 43.134	-0.0011	13	-5 8 49.10	-0.010	13	0.28	43.152	16	33.1	48.92	16	33.1	B8	F 17	2059	A -5 1607
69		9.0A	19 43.945	0.0004	11	-2 24 46.21	0.008	11	0.24	43.938	16	33.1	46.34	16	33.1	A2	17	2057	A -2 1578
70		8.7A	19 44.777	-0.0004	13	-5 14 59.56	-0.017	13	0.28	44.784	16	33.1	59.27	16	33.1	A2	17	2060	A -5 1608
71		8.9A	19 44.811	-0.0004	09	-1 28 6.36	-0.008	11	0.22	44.817	17	37.1	6.26	17	37.1	A0	21	1644	A -1 1215
72		8.9A	19 45.652	-0.0011	11	-9 1 24.13	0.018	11	0.24	45.670	16	33.1	24.44	16	33.1	K0	16	1935	A -8 1405
73		9.0A	19 46.934	-0.0029	09	-1 45 32.36	-0.001	11	0.22	46.972	17	37.1	32.35	17	37.1	F2	21	1645	A -1 1216
74		9.0A	19 49.613	-0.0023	09	-1 40 44.09	-0.037	11	0.22	49.643	17	37.1	43.61	17	37.1	A3	21	1646	A -1 1217
75		7.8A	19 50.797	-0.0015	13	-2 41 0.97	-0.026	13	0.28	50.822	16	33.1	0.53	16	33.1	K0	17	2061	A -2 1579
76		9.0A	20 2.389	-0.0027	09	-0 28 18.05	-0.017	11	0.22	2.404	17	37.1	17.83	17	37.1	K0	21	1647	A -0 1272
77		8.3A	20 4.115	-0.0012	13	-5 3 21.00	-0.002	13	0.28	4.136	16	33.1	20.96	16	33.1	A2	17	2062	A -5 1609
78		9.0A	20 4.155	-0.0006	13	-5 55 12.36	-0.002	13	0.28	4.166	16	33.1	12.34	16	33.1	G8	F 17	2064	A -5 1610
79		8.6A	20 4.587	-0.0007	13	-4 49 53.69	-0.006	13	0.28	4.599	16	33.1	53.59	16	33.1	A2	17	2063	A -4 1479
80		8.4A	20 10.779	0.0011	12	-7 36 2.90	0.031	12	0.26	10.760	16	33.1	3.43	16	33.1	A0	16	1937	A -7 1399
81		8.9A	20 11.327	-0.0004	12	-7 11 53.36	0.016	12	0.26	11.334	16	33.1	53.64	16	33.1	K5	16	1938	A -7 1398
82		6.0I	20 12.434	0.0017	17	-2 10 10.00	-0.067	17	0.73	12.361	18	07.7	7.12	19	06.9	M6E	GC	8213V	B* -2 1581
83		8.0A	20 16.818	-0.0004	09	-0 48 25.68	-0.027	11	0.22	16.824	17	37.1	25.33	17	37.1	B9	21	1651	A -0 1273
84		8.5A	20 19.887	-0.0009	11	-5 23 22.26	-0.003	13	0.28	19.883	16	33.1	22.20	16	33.1	A0	17	2066	A -5 1612
85		9.0A	20 19.943	-0.0018	09	-1 28 28.95	-0.021	11	0.22	19.966	17	37.1	28.68	17	37.1	A2	21	1652	A -1 1218
86		8.7A	20 21.995	-0.0011	13	-4 56 52.15	-0.027	13	0.28	22.014	16	33.1	51.69	16	33.1	A0	17	2067	A -4 1480
87		9.0A	20 23.959	-0.0110	11	-5 40 17.78	-0.092	11	0.24	24.145	16	33.1	16.21	16	33.1	G5	17	2068	A -5 1614
88		8.5A	20 30.296	0.0002	13	-4 9 38.87	-0.008	13	0.28	30.292	16	33.1	38.73	16	33.1	A0	17	2069	A -4 1481
89		6.6T	20 31.535	-0.0001	10	-3 15 1.97	0.006	12	0.61	31.538	17	93.2	2.28	18	97.9	B5	GC	8224	B* -3 1413
90		9.1A	20 34.202	-0.0013	12	-9 46 53.53	0.021	12	0.26	34.224	16	33.1	53.89	16	33.1	F0	16	1940	A -9 1439
91		7.8A	20 34.337	-0.0002	11	-6 30 22.89	-0.038	11	0.24	34.341	16	33.1	22.26	16	33.1	K5	16	1939	A -6 1526
92		7.8A	20 36.435	-0.0013	13	-3 29 21.58	-0.002	13	0.28	36.456	16	33.1	21.54	16	33.1	B8	17	2071	A -3 1414
93		9.0A	20 36.866	-0.0002	12	-7 54 37.07	0.020	12	0.26	36.870	16	33.1	37.42	16	33.1	A0	16	1941	A -7 1401
94		8.8A	20 37.426	-0.0017	13	-2 37 26.50	0.008	13	0.28	37.454	16	33.1	26.63	16	33.1	A3	F 17	2072	A -2 1583
95		9.0A	20 38.069	-0.0007	09	-1 34 58.82	0.070	11	0.22	38.077	17	37.1	57.73	17	37.1	G5	21	1654	A -1 1221
96		9.0A	20 41.748	-0.0017	11	-5 25 39.69	0.013	11	0.24	41.777	16	33.1	39.90	16	33.1	A0	17	2073	A -5 1616
97		8.8A	20 47.784	-0.0014	09	-0 55 31.90	-0.008	11	0.22	47.742	17	37.1	31.80	17	37.1	K0	21	1656	A -0 1276
98		8.5A	20 49.368	-0.0002	11	-6 23 18.49	0.012	11	0.24	49.373	16	33.1	16.70	16	33.1	K0	16	1942	A -6 1527
99		6.4T	20 54.427	-0.0012	16	-4 39 37.42	-0.008	16	0.89	54.490	18	95.1	36.98	18	95.6	B9	GC	8232	-4 1484
00		9.4A	21 5.276	-0.0017	12	-9 51 0.88	0.014	11	0.24	5.305	16	33.6	1.11	16	33.6	A0	R 16	1944	A -9 1442

- 00 6H

133200 — 00 6H

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	EPOCH 1950 μ s	EPOCH 1950 σ_μ .001	EPOCH 1950 δ_{1950} ° ′ ″	EPOCH 1950 μ' ″	EPOCH 1950 σ'_μ .001	EPOCH 1950 σ_{1950} ″	ORIGINAL EPOCH α_2 s	ORIGINAL EPOCH σ .01	ORIGINAL EPOCH ep.	ORIGINAL EPOCH δ_2 ″	ORIGINAL EPOCH σ' .01	ORIGINAL EPOCH ep.	SP.		SOURCE CAT.	SOURCE STAR NUMBER	DM NUMBER
1		8.7A	6 21 6.919	-0.0010	12	-7 50 4.44	-0.042	12	0.26	6.937	16	33.1	3.74	16	33.1	G0		16	1943	A -7 1403
2		9.0A	21 9.719	-0.0009	09	-0 19 24.81	-0.018	11	0.22	9.730	17	37.1	24.58	17	37.1	A2		21	1657	A -0 1278
3		6.4T	21 13.780	0.0001	17	-9 50 30.84	0.018	13	0.72	13.753	19	05.4	31.01	18	02.8	K5		GC	8244	-9 1444
4		9.4A	21 23.653	-0.0018	12	-6 43 16.30	0.043	12	0.25	23.682	16	33.6	17.05	16	33.6	K0	R	16	1946	A -6 1531
5		8.3A	21 24.374	-0.0007	12	-9 19 8.96	-0.005	12	0.26	24.386	16	33.1	8.88	16	33.1	F0		16	1947K	A -9 1446
6		7.4T	21 25.341	-0.0006	13	-4 42 4.91	-0.022	14	0.61	25.365	17	06.7	3.96	18	07.2	K0		GC	8253	-4 1490
7		8.8A	21 26.294	0.0001	09	-0 56 46.65	-0.033	11	0.22	26.283	17	37.1	46.23	17	37.1	K0		21	1660	A -0 1280
8		9.2A	21 27.691	-0.0008	09	-4 44 30.41	-0.024	09	0.22	27.707	16	33.1	30.00	16	33.1	A0		17	2076	A -4 1491
9		7.9A	21 35.682	-0.0006	12	-9 2 28.41	0.018	12	0.26	35.692	16	33.1	28.72	16	33.1	K0		16	1949	A -8 1416
10		8.8A	21 36.274	0.0009	09	-1 26 46.30	-0.006	11	0.22	36.262	17	37.1	46.23	17	37.1	A3		21	1662	A -1 1228
11		9.1A	21 40.371	-0.0005	11	-9 21 55.67	0.029	11	0.24	40.380	16	33.1	56.16	16	33.1	F5		16	1950	A -9 1449
12		8.8A	21 46.008	-0.0024	09	-0 43 0.31	-0.014	11	0.22	46.040	17	37.1	0.13	17	37.1	A0		21	1663	A -0 1224
13		9.0A	21 56.978	-0.0001	09	-5 23 55.92	0.017	09	0.22	56.980	16	33.1	56.20	16	33.1	B9		17	2077	A -5 1622
14		8.5A	21 59.999	0.0014	09	-3 29 21.91	0.034	09	0.22	59.975	16	33.1	22.48	16	33.1	F5		17	2078	A -3 1420
15		6.6T	22 1.849	-0.0001	10	-1 23 24.44	-0.022	10	0.56	1.851	17	97.1	23.32	17	98.5	B8		GC	8272K	B* -1 1231
16		9.0A	22 2.884	0.0000	13	-4 26 16.87	-0.013	13	0.27	2.884	16	33.6	16.65	16	33.6	K0	R	17	2079	A -4 1494
17		9.0A	22 9.510	0.0001	12	-8 5 57.95	-0.003	12	0.26	9.509	16	33.1	57.91	16	33.1	A0		16	1952	A -8 1421
18		8.7A	22 10.560	-0.0008	11	-6 51 26.40	-0.007	11	0.24	10.573	16	33.1	26.29	16	33.1	K0		16	1951	A -6 1535
19		9.1A	22 10.650	-0.0014	09	-3 56 50.74	0.017	09	0.22	10.673	16	33.1	51.02	16	33.1	A3	F	17	2080	A -3 1422
20		8.0A	22 20.847	-0.0035	13	-5 28 29.39	-0.057	13	0.28	20.306	16	33.1	28.42	16	33.1	F5		17	2082	A -5 1627
21		9.0A	22 21.334	-0.0001	13	-2 59 36.57	-0.008	13	0.28	21.336	16	33.1	36.53	16	33.1	A0		17	2081	A -2 1597
22		9.1A	22 23.578	0.0015	12	-6 13 45.04	0.000	12	0.26	23.554	16	33.1	45.05	16	33.1	F2		16	1953	A -6 1537
23		8.8A	22 26.083	-0.0008	11	-7 34 23.84	0.017	11	0.24	26.095	16	33.1	24.14	16	33.1	B8		16	1954	A -7 1413
24		8.5A	22 27.810	-0.0009	09	-0 19 45.66	-0.011	11	0.22	27.821	17	37.1	45.52	17	37.1	A0		21	1669	A -0 1285
25		8.8A	22 34.620	0.0005	11	-5 36 36.16	-0.004	11	0.24	34.611	16	33.1	36.10	16	33.1	K2	F	17	2083	A -5 1628
26		8.9A	22 36.932	0.0009	13	-4 24 25.28	0.011	13	0.28	36.916	16	33.1	25.46	16	33.1	A3		17	2084K	A -4 1498
27		9.3A	22 37.957	-0.0010	12	-9 7 23.17	0.009	12	0.26	37.974	16	33.1	23.32	16	33.1	F0		16	1955	A -9 1452
28		8.3A	22 40.607	-0.0013	13	-5 49 20.76	0.007	13	0.28	40.629	16	33.1	20.89	16	33.1	A0		17	2085	A -5 1629
29		5.9T	22 43.019	0.0147	06	-0 54 49.71	-0.225	06	0.40	42.216	12	95.2	38.29	10	99.2	F8		GC	8298	-0 1287
30		8.3A	22 46.309	-0.0013	12	-8 41 40.28	-0.010	11	0.25	46.332	16	33.1	40.12	16	33.1	K2		16	1956	A -8 1424
31		8.7A	22 53.267	-0.0007	12	-9 6 6.45	-0.018	12	0.25	53.279	16	33.6	6.15	16	33.6	G0	R	16	1957	A -9 1454
32		9.0A	22 55.721	-0.0004	12	-7 31 5.03	0.044	12	0.25	55.727	16	33.6	5.76	16	33.6	G0	R	16	1958	A -7 1418
33		7.3A	22 58.757	-0.0001	12	-9 3 42.43	-0.013	12	0.26	58.758	16	33.1	42.21	16	33.1	K0		16	1959	A -9 1456
34		6.7T	23 4.519	-0.0012	11	-2 57 41.90	0.019	11	0.61	4.579	15	97.5	42.89	15	97.9	A0		GC	8308	-2 1601
35		8.5A	23 7.871	-0.0027	09	-0 25 32.53	0.004	11	0.22	7.906	17	37.1	32.59	17	37.1	F0		21	1672	A -0 1288
36		8.0A	23 10.793	-0.0017	11	-4 48 9.88	-0.013	11	0.24	10.822	16	33.1	9.66	16	33.1	B8		17	2087	A -4 1501
37		9.0A	23 17.095	-0.0021	09	-1 41 20.36	0.021	11	0.22	17.122	17	37.1	20.64	17	37.1	K0	R	21	1674	A -1 1235
38		6.4T	23 17.883	-0.0017	07	-3 51 33.55	-0.006	07	0.27	17.944	10	13.2	33.32	10	11.5	G5		GC	8316	-3 1425
39		8.8A	23 27.333	-0.0009	09	-1 47 0.20	0.000	11	0.22	27.345	17	37.1	0.21	17	37.1	F0		21	1675	A -1 1236
40		8.1A	23 27.354	-0.0017	12	-8 22 49.86	0.048	12	0.26	27.383	16	33.1	50.68	16	33.1	K0		16	1960	A -8 1430
41		9.2A	23 29.215	-0.0017	09	-3 13 31.62	0.023	09	0.22	29.243	16	33.1	32.01	16	33.1			17	2089	A -3 1429
42		9.1A	23 30.564	-0.0014	12	-6 31 5.17	0.001	12	0.26	30.589	16	33.1	5.20	16	33.1	G5		16	1961	A -6 1541
43		8.5A	23 32.060	-0.0005	09	-6 10 30.43	-0.007	09	0.22	32.068	16	33.1	30.32	16	33.1	K0		17	2091	A -6 1542
44		8.8A	23 32.317	-0.0027	13	-2 25 37.35	0.025	13	0.28	32.362	16	33.1	37.78	16	33.1	F0		17	2090	A -2 1605
45		9.0A	23 33.684	-0.0002	11	-6 19 39.22	0.002	11	0.24	33.688	16	33.1	39.27	16	33.1	G0		16	1963	A -6 1543
46		6.4T	23 34.235	-0.0007	15	-7 51 52.23	0.017	14	0.77	34.273	18	98.7	53.13	18	98.6	A2		GC	8318	-7 1422
47		8.5A	23 39.641	-0.0002	09	-4 35 53.10	0.003	09	0.22	39.644	16	33.1	53.15	16	33.1	A0		17	2093	A -4 1504
48		6.5T	23 40.183	-0.0066	11	-3 29 10.71	0.073	11	0.60	40.526	17	97.6	14.58	17	97.0	G5		GC	8320	-3 1430
49		9.0A	23 40.276	-0.0012	09	-1 31 41.68	-0.016	11	0.22	40.291	17	37.1	41.48	17	37.1	K2		21	1676	A -1 1237
50		8.8A	23 40.614	-0.0027	11	-7 5 44.15	0.046	11	0.24	40.660	16	33.1	44.94	16	33.1	F5		16	1965	A -7 1423
51		8.9A	6 23 43.607	-0.0011	12	-9 22 2.51	-0.002	12	0.26	43.626	16	33.1	2.48	16	33.1	B8		16	1966	A -9 1458
52		8.0A	23 48.008	-0.0008	12	-7 19 52.21	-0.006	12	0.26	48.023	16	33.1	52.12	16	33.1	B8		16	1967	A -7 1424
53		9.0A	23 50.004	0.0002	12	-3 33 16.17	0.011	12	0.26	50.000	16	33.1	16.35	16	33.1	A2		17	2094	A -3 1432
54		7.8A	23 52.250	-0.0004	09	-0 44 46.68	-0.013	11	0.22	52.256	17	37.1	46.51	17	37.1	B9		21	1677	A -0 1292
55		9.0A	23 59.085	-0.0007	09	-1 47 48.54	-0.050	11	0.22	59.094	17	37.1	47.90	17	37.1	K0	R	21	1678	A -1 1240
56		9.0A	24 3.639	-0.0011	11	-8 44 13.80	-0.006	11	0.24	3.658	16	33.1	13.70	16	33.1	A2		16	1969	A -8 1434
57		6.1T	24 6.061	0.0001	07	-4 33 59.85	-0.003	07	0.33	6.055	12	09.1	59.72	12	08.0	B3		GC	8334	B* -4 1510
58		8.7A	24 6.786	-0.0033	12	-9 18 10.33	0.059	12	0.26	6.842	16	33.1	11.33	16	33.1	A0		16	1970	A -9 1464
59		8.5A	24 7.116	-0.0020	09	-1 2 34.01	-0.012	11	0.22	7.143	17	37.0	33.86	17	37.0	A0		21	1680	A -0 1295
60		5.7T	24 7.603	-0.0004	07	-1 28 34.63	-0.036	07	0.26	7.619	07	12.5	33.33	06	13.7	A0		GC	8335	-1 1242
61		8.9A	24 16.545	-0.0006	09	-0 34 11.70	-0.023	11	0.22	16.553	17	37.0	11.41	17	37.0	A5		21	1684	A -0 1297
62		9.0A	24 18.600	0.0001	12	-7 28 40.59	-0.009	12	0.25	18.598	16	33.6	40.45	16	33.6			16	1971	A -7 1428
63		6.3T	24 19.830	-0.0000	12	-7 28 49.62	-0.003	11	0.65	19.832	17	95.7	49.47	17	92.9	A0		GC	8343K	A -7 1429
64		8.3A	24 24.631	-0.0001	09	-1 1 15.94	-0.019	11	0.22	24.631	17	37.0	15.70	17	37.0	F0		21	1686	A -0 1298
65		6.8T	24 29.688	-0.0016	12	-4 25 41.17	0.001	12	0.68	29.774	18	94.8	41.22	18	93.9	K0		GC	8349	-4 1512
66		8.7A	24 30.129	0.0003	09	-4 35 37.61	0.023	09	0.22	30.124	16	33.1	38.00	16	33.1	A0		17	2097	A -4 1513
67		6.9T	24 32.193	-0.0004	05	-4 19 27.73	-0.007	04	0.24	32.209	12	04.2	27.35	10	96.1	B5		GC	8351	B* -4 1514
68		9.0A	24 35.964	0.0001	13	-3 1 29.43	-0.004	13	0.28	35.963	16	33.1	29.36	16	33.1	K5		17	2099	A -2 1613
69		5.8T	24 42.142	-0.0003	04	-0 14 40.02	-0.009	03	0.20	42.159	12	00.4	39.61	09	02.1	K0		GC	8356	B* -0 1299
70		9.0A	24 42.361	-0.0001	13	-4 44 54.91	0.001	13	0.28	42.362	16	33.1	54.93	16	33.1	A0		17	2100	A -4 1517
71		9.3A	24 57.191	-0.0009	12	-8 54 11.00	-0.028	11	0.25	57.206	16	33.1	10.53	16	33.1	A0		16	1973	A -8 1438
72		9.0A	24 57.459	-0.0010	13	-2 24 38.27	-0.004	13	0.28	57.476	16	33.1	38.21	16	33.1	A2		17	2101	A -2 1615
73		9.0A	25 0.545	-0.0014	09	-0 35 24.40	-0.017	11	0.22	0.563	17	37.0	24.18	17	37.0	A5		21	1690	A -0 1300
74		8.7A	25 3.480	-0.0006	13	-2 10 39.03	0.009	13	0.28	3.493	16	33.1	39.19	16	33.1	A2		17	2102	A -2 1616
75		9.0A	25 5.162	-0.0019	13	-3 50 23.57	-0.005	13	0.28	5.193	16	33.1	23.48	16	33.1	A5		17	2103	A -3 1438
76		8.8A	25 6.128	-0.0019	09	-0 50 16.87	-0.014	11	0.22	6.152	17	37.0	16.69	17	37.0	A2		21	1692	A -0 1302
77		9.0A	25 7.811	-0.0029	09	-1 47 17.61	-0.007	11	0.22	7.849	17	37.0	17.52	17	37.0	K0	R	21	1693	A -1 1245
78		9.0A	25 10.486	-0.0015	13	-3 30 54.36	0.007	13	0.28	10.511	16	33.1	54.48	16	33.1	A0		17	2104	A -3 1439
79		9.0A	25 12.749	-0.0008	12	-8 12 32.97	-0.019	12	0.26	12.762	16	33.1	32.73	16	33.1	A0		16	1974	A -8 1439
80		8.2A	25 14.694	-0.0013	13	-2 37 38.98	0.002	13	0.28	14.715	16	33.1	39.01	16	33.1	B8		17	2105	A -2 1617
81		9.0A	25 14.709	-0.0065	09	-1 49 53.37	0.061	11	0.22	14.794	17	37.0	54.17	17	37.0	K0	R	21	1694	A -1 1247
82		8.8A	25 15.475	-0.0004	12	-7 56 55.46	0.005	12	0.26	15.483	16	33.1	55.55	16	33.1	F5		16	1976	A -7 1433
83		9.0A	25 16.044	0.0004	13	-5 55 2.15	-0.049	13	0.28	15.937	16	33.1	1.33	16	33.1	G0		17	2106	A -5 1642
84		8.7A	25 17.166	-0.0006	12	-9 11 49.42	0.025	12	0.26	17.176	16	33.1	49.85	16	33.1	K5		16	1977	A -9 1473
85		8.5A	25 19.512	0.0003	13	-4 47 32.73	0.006	13	0.28	19.506	16	33.1	32.83	16	33.1	B9		17	2107	A -4 1522
86		8.3A	25 19.649	0.0003	13	-4 53 57.98	-0.002	13	0.28	19.644	16	33.1	57.94	16	33.1	A0		17	2108	A -4 1523
87		8.5A	25 23.099	-0.0004	12	-5 7 21.41	-0.003	12	0.26	23.106	16	33.1	21.35	16	33.1	A0		17	2109	A -5 1644
88		8.5A	25 25.569	0.0006	12	-6 15 34.13	0.007	12	0.26	25.559	16	33.1	34.26	16	33.1	B9		16	1978	A -6 1560
89		8.6A	25 25.784	-0.0007	13	-4 20 24.23	0.025	13	0.28	25.796	16	33.1	24.65	16	33.1	K0		17	2110	A -4 1524
90		5.0H	25 29.351	-0.0007	01	-4 43 47.03	-0.000	01	0.05	29.372	02	18.4	47.01	02	17.2	B3		F4	246	-4 1526
91		9.0A	25 29.827	-0.0014	09	-0 25 11.27	-0.015	11	0.22	29.845	17	37.0	11.08	17	37.0	B5	R	21	1695	A -0 1304
92		8.8A	25 30.189	-0.0003	13	-4 59 22.56	-0.000	13	0.28	30.193	16	33.1	22.56	16	33.1	G5	F	17	2112	A -4 1527
93		8.9A	25 30.860	0.0001	13	-4 45 48.72	-0.008	13	0.28	30.857	16	33.1	48.38	16	33.1	B8	F	17	2113	A -4 1528
94		8.8A	25 37.311	-0.0004	13	-3 8 0.71	0.031	13	0.28	37.318	16	33.1	1.23	16	33.1	A0		17	2114	A -3 1444
95		8.9A	25 38.727	-0.0002	12	-8 53 38.90	0.008	12	0.26	38.731	16	33.1	39.04	16	33.1	B5		16	1979	A -8 1564
96		8.6A	25 42.277	0.0004	12	-7 28 15.15	-0.040	12	0.26	42.270	16	33.1	14.48	16	33.1	A0		16	1980	A -7 1434
97		8.4A	25 42.733	0.0003	13	-4 51 56.97	0.010	13	0.28	42.728	16	33.1	59.14	16	33.1	B8		17	2115	A -4 1530
98		8.4B	25 47.373	-0.0027	15	-0 41 48.61	0.002	11	0.63	47.489	19	06.0	48.72	19	03.6	F5		GC	8387	-0 1306
99		9.0A	25 51.705	-0.0005	13	-3 25 41.07	0.013	13	0.28	51.713	16	33.1	41.29	16	33.1	A0		17	2116	A -3 1447
00		9.0A	25 53.994	-0.0008	13	-4 25 45.56	-0.004	13	0.28	54.007	16	33.1	45.49	16	33.1	B8		17	2117	A -4 1534

133300

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	- 00° 6H DM NUMBER
1		8.9A	6 25 55.208	-0.0003	13	-5 0 4.25	-0.010	13	0.28	55.213	16	33.1	4.07	16	33.1	A0	17	2118	A -4 1535
2		8.6A	25 58.005	-0.0006	12	-8 47 29.06	0.003	12	0.25	58.015	16	33.1	29.11	16	33.1	G5	16	1982	A -8 1475
3		8.3A	25 59.975	0.0002	12	-8 50 53.52	0.004	12	0.25	59.971	16	33.1	53.60	16	33.1	B8	16	1981	A -8 1568
4		9.0A	26 3.686	-0.0002	13	-5 10 37.80	0.002	13	0.28	3.688	16	33.1	38.17	16	33.1	F2	17	2119	A -5 1449
5		8.4A	26 3.979	-0.0018	09	-1 33 23.92	0.001	11	0.22	4.002	17	37.0	23.94	17	37.0	A0	21	1666	A -1 1255
6		8.5A	26 4.561	0.0010	12	-4 32 44.17	-0.018	12	0.26	4.544	16	33.1	43.86	16	33.1	F0	17	2120	A -4 1536
7		8.9T	26 5.131	0.0015	09	-0 41 17.24	-0.003	09	0.43	5.058	15	03.2	16.01	17	00.4	F8	GC	8306	-0 1307
8		8.9A	26 6.699	-0.0008	12	-7 14 32.58	0.022	12	0.26	6.714	16	33.1	32.86	16	33.1	K0	16	1983	A -7 1436
9		9.0A	26 7.341	-0.0019	12	-9 43 29.74	-0.036	12	0.28	7.373	16	33.1	29.15	16	33.1	F5	16	1984	A -9 1476
10		8.5A	26 10.147	-0.0011	13	-5 45 4.16	-0.000	13	0.28	10.165	16	33.1	4.15	16	33.1	B9	17	2121	A -5 1450
11		7.9A	26 11.975	-0.0038	11	-8 23 49.34	0.088	11	0.24	12.040	16	33.1	51.04	16	33.1	F2	16	1985	A -8 1441
12		6.7T	26 14.003	-0.0001	07	-0 38 20.73	-0.006	08	0.38	14.008	14	98.9	20.39	12	91.1	F0	GC	8408	-0 1308
13		8.3A	26 17.234	-0.0021	12	-9 36 12.22	-0.009	12	0.26	17.270	16	33.1	12.08	16	33.1	B8	16	1986	A -9 1570
14		8.2A	26 20.458	-0.0080	13	-2 28 32.48	0.005	13	0.28	20.472	16	33.1	32.57	16	33.1	K0	17	2122	A -2 1624
15		8.9A	26 21.757	-0.0022	12	-9 1 23.96	0.011	12	0.26	21.795	16	33.1	24.15	16	33.1	A0	16	1989	A -9 1442
16		4.7T	26 23.454	-0.0015	04	-6 59 58.06	-0.002	03	0.20	23.532	10	99.3	57.97	09	95.6	BAE	GC	8412K	B# -6 1574
17		4.6T	26 23.938	-0.0015	06	-7 0 5.34	-0.003	07	0.35	24.019	14	97.8	3.50	12	00.4	BAE	GC	8413K	B# -7 1575
18		8.5A	26 24.115	-0.0011	12	-8 26 47.44	-0.009	12	0.26	24.134	16	33.1	47.30	16	33.1	B9	16	1990	A -8 1443
19		8.5A	26 26.052	-0.0008	13	-2 38 12.19	0.021	13	0.28	26.085	16	33.1	12.54	16	33.1	G6	F 17	2123	A -2 1625
20		9.2A	26 26.330	-0.0001	12	-9 22 11.98	-0.003	12	0.26	26.331	16	33.1	11.93	16	33.1	A0	16	1992	A -9 1478
21		8.7A	26 37.412	0.0005	13	-3 36 19.99	0.019	13	0.28	37.403	16	33.1	20.32	16	33.1	G0	17	2124	A -3 1649
22		9.0A	26 41.498	-0.0011	13	-3 30 33.24	0.013	13	0.28	41.517	16	33.1	33.47	16	33.1	A5	17	2125	A -3 1650
23		8.9A	26 43.215	-0.0024	12	-9 14 49.29	0.020	12	0.26	43.255	16	33.6	49.77	16	33.6	G5	R 16	1993	A -9 1480
24		8.8A	26 43.739	-0.0012	13	-3 7 25.80	0.005	13	0.28	43.779	16	33.1	25.89	16	33.1	K5	17	2125	A -3 1453
25		9.0A	26 46.656	-0.0011	13	-5 42 7.81	-0.033	13	0.28	46.674	16	33.1	7.26	16	33.1	K0	17	2127	A -5 1651
26		8.5A	26 51.088	-0.0004	12	-8 4 0.94	-0.038	12	0.26	51.096	16	33.1	0.30	16	33.1	MA	16	1994	A -8 1448
27		9.0A	26 51.540	-0.0005	13	-2 11 2.43	0.005	13	0.28	51.548	16	33.1	2.52	16	33.1	A5	17	2128	A -2 1628
28		8.1A	26 57.225	-0.0008	13	-9 10 26.12	-0.067	12	0.27	57.238	16	33.1	24.99	16	33.1	K5	16	1995	A -9 1483
29		9.0A	26 58.033	-0.0007	13	-9 52 39.25	-0.001	13	0.28	58.044	16	33.1	39.23	16	33.1	MA	16	1996	A -9 1484
30		8.7A	26 58.697	-0.0009	13	-2 49 34.70	0.021	13	0.28	58.711	16	33.1	35.05	16	33.1	B8	17	2129	A -2 1631
31		9.1A	27 5.027	-0.0015	13	-9 30 25.60	-0.012	13	0.28	5.052	16	33.1	25.40	16	33.1	F0	16	1997	A -9 1486
32		7.9A	27 7.139	-0.0003	09	-3 31 1.03	-0.010	09	0.22	7.144	16	33.1	0.65	16	33.1	G5	17	2130	A -3 1456
33		8.8A	27 8.134	-0.0009	12	-7 1 13.29	0.007	12	0.26	8.150	16	33.1	13.42	16	33.1	A2	16	1998	A -7 1581
34		8.1A	27 8.205	0.0007	12	-7 19 42.74	0.030	12	0.26	8.193	16	33.1	43.26	16	33.1	K2	16	1999	A -7 1438
35		8.7A	27 12.957	-0.0004	13	-0 3 45.63	-0.025	11	0.22	12.962	17	37.0	45.31	17	37.0	A0	21	1703	A -0 1309
36		9.0A	27 22.785	-0.0011	12	-9 16 59.16	0.015	12	0.26	22.803	16	33.1	59.42	16	33.1	K0	16	2000	A -9 1490
37		9.0A	27 27.045	-0.0007	13	-3 32 31.62	-0.005	09	0.22	27.057	16	33.1	31.55	16	33.1	A0	17	2131	A -3 1655
38		8.9A	27 34.921	-0.0001	12	-8 15 30.49	-0.022	12	0.26	34.922	16	33.1	30.12	16	33.1	F0	17	2132	A -8 1459
39		8.5A	27 35.149	0.0009	12	-8 15 45.33	-0.007	12	0.26	35.134	16	33.1	45.22	16	33.1	A0	16	2001	A -8 1454
40		8.8A	27 41.687	0.0004	13	-3 44 13.86	0.023	13	0.28	41.680	16	33.1	14.24	16	33.1	F0	17	2133	A -3 1462
41		8.5A	27 44.520	-0.0010	12	-7 41 58.87	0.026	12	0.26	44.537	16	33.1	59.32	16	33.1	A3	16	2002	A -7 1440
42		9.0A	27 47.122	-0.0011	13	-2 40 4.37	0.029	13	0.28	47.141	16	33.1	4.86	16	33.1	F0	17	2134	A -2 1638
43		9.1A	27 49.185	-0.0013	13	-3 11 35.20	0.018	13	0.28	49.217	16	33.1	33.90	16	33.1	F2	17	2135	A -3 1463
44		8.2A	27 51.673	-0.0007	11	-8 25 42.05	-0.027	11	0.24	51.686	16	33.1	41.60	16	33.1	B9	16	2003	A -8 1585
45		9.0A	27 54.139	-0.0007	09	-0 20 14.32	-0.007	11	0.22	54.148	17	37.0	14.23	17	37.0	A0	21	1707	A -0 1312
46		8.8A	27 56.148	-0.0012	09	-0 12 14 39.45	-0.018	11	0.22	56.164	17	37.0	39.22	17	37.0	K5	21	1708	A -0 1314
47		7.5A	27 56.570	-0.0005	13	-2 39 11.86	0.013	13	0.28	56.574	16	33.1	12.08	16	33.1	G5	17	2136	A -2 1639
48		8.3A	27 59.187	-0.0007	13	-4 39 41.79	-0.032	13	0.28	59.199	16	33.1	41.25	16	33.1	B9	17	2137	A -4 1546
49		9.1A	28 1.158	-0.0023	09	-0 21 16.65	-0.018	11	0.22	1.188	17	37.0	16.42	17	37.0	A2	21	1709	A -0 1315
50		9.4A	28 5.360	-0.0002	12	-9 21 49.47	-0.041	12	0.26	5.383	16	33.1	48.78	16	33.1	F5	16	2005	A -9 1495
51	6	9.0A	28 7.536	-0.0005	09	-4 43 19.41	-0.005	09	0.22	7.544	16	33.1	19.32	16	33.1	A2	17	2138	A -4 1547
52		9.0A	28 8.296	0.0006	13	-5 11 54.99	0.014	13	0.28	8.286	16	33.1	55.22	16	33.1	M1	F 17	2139	A -5 1661
53		9.0A	28 15.016	-0.0020	09	-0 45 29.80	-0.021	11	0.22	15.842	17	37.0	29.53	17	37.0	F2	R 21	1710	A -0 1318
54		7.9A	28 17.902	-0.0007	09	-3 40 37.53	-0.007	09	0.22	17.913	16	33.1	37.41	16	33.1	A3	17	2140	A -3 1469
55		8.8A	28 20.752	-0.0020	09	-0 53 47.57	-0.015	11	0.22	20.779	17	37.0	47.38	17	37.0	A2	21	1711	A -0 1319
56		8.7A	28 27.338	-0.0002	12	-9 37 5.91	0.001	12	0.26	27.341	16	33.1	5.93	16	33.1	B8	16	2007	A -9 1496
57		9.0A	28 28.212	-0.0007	13	-5 30 37.41	-0.021	13	0.28	28.224	16	33.1	37.06	16	33.1	G5	17	2142	A -5 1662
58		9.2A	28 28.499	0.0008	12	-9 12 57.51	-0.003	12	0.26	28.485	16	33.1	57.46	16	33.1	A0	16	2008	A -9 1499
59		9.2A	28 29.599	-0.0019	12	-7 28 24.60	-0.009	12	0.26	29.591	16	33.1	24.46	16	33.1	A0	16	2006	A -7 1444
60		9.0A	28 29.755	0.0061	13	-4 15 28.03	0.099	13	0.28	29.652	16	33.1	29.70	16	33.1	G0	17	2141	A -4 1549
61		9.0A	28 42.408	-0.0011	09	-3 41 12.06	-0.001	09	0.22	42.427	16	33.1	12.04	16	33.1	K1	F 17	2143	A -3 1473
62		9.0A	28 52.194	-0.0019	11	-4 14 1.90	-0.001	11	0.24	52.223	16	33.1	1.88	16	33.1	F8	17	2144	A -4 1551
63		9.0A	28 53.446	-0.0008	09	-0 40 10.09	-0.016	11	0.22	53.457	17	37.0	9.89	17	37.0	K2	R 21	1712	A -0 1322
64		9.2A	29 5.436	0.0005	12	-7 58 47.03	-0.023	12	0.26	5.433	16	33.1	46.65	16	33.1	F8	16	2009	A -7 1449
65		8.0A	29 8.567	-0.0011	09	-5 19 54.98	0.004	09	0.22	8.586	16	33.1	55.04	16	33.1	B9	17	2145	A -5 1666
66		9.1A	29 18.931	0.0005	12	-6 56 13.69	-0.007	12	0.26	18.923	16	33.1	13.58	16	33.1	B9	16	2010	A -6 1595
67		9.0A	29 19.221	0.0022	11	-4 11 25.93	-0.054	11	0.24	19.183	16	33.1	25.01	16	33.1	G0	17	2146	A -4 1554
68		8.8A	29 21.431	-0.0015	09	-5 18 34.73	-0.021	09	0.22	21.458	16	33.1	34.37	16	33.1	K5	17	2147	A -5 1669
69		5.6T	29 25.821	-0.0012	07	-8 7 14.60	-0.010	06	0.30	25.874	12	07.2	14.19	10	06.7	K0	GC	8485	B# -8 1462
70		9.0A	29 25.856	-0.0014	09	-0 55 6.38	-0.036	11	0.22	25.875	17	37.0	5.92	17	37.0	A0	21	1714	A -0 1325
71		8.7A	29 27.255	-0.0009	13	-2 44 42.82	-0.014	13	0.28	27.289	16	33.1	42.58	16	33.1	A0	17	2148	A -2 1649
72		8.9A	29 27.558	-0.0027	12	-3 8 42.75	-0.003	12	0.26	27.603	16	33.1	42.70	16	33.1	F8	17	2149	A -3 1475
73		8.9A	29 31.876	-0.0017	09	-0 4 4.52	-0.033	11	0.22	31.899	17	37.0	4.09	17	37.0	K0	21	1715	A -0 1326
74		8.1A	29 32.750	0.0012	12	-9 35 55.56	-0.033	12	0.26	32.729	16	33.1	55.00	16	33.1	F5	16	2012K	A -9 1507
75		9.0A	29 33.368	-0.0020	09	-1 1 30.19	-0.092	11	0.22	33.395	17	37.0	29.78	17	37.0	F8	R 21	1717	A -0 1327
76		9.0A	29 37.474	0.0006	12	-8 19 2.67	0.015	12	0.26	37.488	16	33.1	2.93	16	33.1	G5	16	2013	A -8 1465
77		9.0A	29 38.908	-0.0014	12	-2 50 18.06	-0.002	12	0.26	38.930	16	33.1	18.02	16	33.1	G8	F 17	2150	A -2 1650
78		9.0A	29 39.693	0.0005	11	-5 45 39.67	-0.002	11	0.24	39.684	16	33.1	39.63	16	33.1	K0	17	2151	A -5 1674
79		9.2A	29 39.963	-0.0002	11	-8 0 12.40	-0.002	11	0.24	39.986	16	33.1	12.38	16	33.1	A0	16	2014K	A -7 1453
80		8.7A	29 45.990	-0.0014	12	-7 16 7.27	0.022	12	0.26	46.014	16	33.1	7.65	16	33.1	B9	16	2015	A -7 1455
81		7.4A	29 50.033	-0.0010	12	-7 22 13.78	0.035	12	0.26	50.051	16	33.1	14.36	16	33.1	A2	16	2016	A -7 1456
82		5.6T	29 56.164	-0.0004	08	-5 49 49.97	-0.044	06	0.32	56.179	14	08.9	48.12	10	07.5	A5	GC	8500	-5 1678
83		9.0A	29 59.535	-0.0015	09	-2 45 36.51	0.014	09	0.22	59.561	16	33.1	36.74	16	33.1	G5	F 17	2152	A -2 1652
84		9.0A	30 0.072	0.0007	09	-3 30 24.71	0.006	09	0.22	0.080	16	33.1	24.85	16	33.1	A2	F 17	2154	A -3 1477
85		8.7A	30 5.477	-0.0013	12	-3 44 49.79	0.028	12	0.26	5.490	16	33.1	50.27	16	33.1	B8	F 17	2155	A -3 1479
86		8.5A	30 10.932	0.0182	12	-6 27 2.14	0.007	12	0.26	10.623	16	33.1	2.25	16	33.1	G0	16	2017	A -6 1598
87		7.8A	30 12.715	-0.0017	12	-5 18 9.36	-0.015	12	0.26	12.744	16	33.1	9.13	16	33.1	B8	17	2157K	A -5 1680
88		8.8A	30 13.080	-0.0024	13	-4 24 41.60	0.006	13	0.28	13.100	16	33.1	41.70	16	33.1	B3	17	2156	A -4 1558
89		8.5A	30 18.220	-0.0008	12	-7 28 15.21	-0.006	12	0.26	18.233	16	33.1	15.07	16	33.1	B8	16	2019	A -7 1462
90		8.5A	30 23.658	-0.0012	09	-1 19 11.93	-0.021	11	0.22	23.674	17	37.0	11.67	17	37.0	F2	21	1719	A -1 1269
91		9.0A	30 23.923	-0.0007	09	-1 45 45.59	0.026	11	0.22	23.932	17	37.0	45.90	17	37.0	F5	R 21	1720	A -1 1270
92		8.6A	30 25.105	-0.0028	12	-8 50 2.42	-0.008	12	0.26	25.152	16	33.1	2.27	16	33.1	K5	16	2020	A -8 1467
93		9.2A	30 26.922	-0.0018	13	-2 28 5.21	0.028	13	0.28	26.953	16	33.1	5.89	16	33.1	G2	F 17	2158	A -2 1654
94		9.0A	30 28.780	0.0006	12	-7 44 56.49	-0.044	12	0.26	28.770	16	33.1	55.74	16	33.1	F5	16	2021	A -7 1463
95		8.1A	30 29.096	0.0004	13	-3 46 54.31	-0.027	13	0.28	29.089	16	33.1	53.86	16	33.1	K0	17	2159	A -3 1480
96		8.8A	30 29.115	-0.0010	12	-8 7 7.54	-0.021	12	0.26	29.132	16	33.1	7.17	16	33.1	F0	16	2022	A -8 1468
97		8.6A	30 33.008	-0.0007	09	-1 39 40.64	-0.020	11	0.22	33.014	17	37.0	40.39	17	37.0	F2	21	1721	A -1 1271
98		9.0A	30 34.827	-0.0015	09	-0 48 8.92	-0.053	11	0.22	34.848	17	37.0	8.84	17	37.0	A2	21	1722	A -0 1333
99		7.3A	30 35.998	-0.0017	12	-8 55 51.89	-0.011	11	0.25	36.024	16	33.1	51.69	16	33.1	A0	16	2024	A -8 1469
00		9.0A	30 39.062	-0.0043	20	-2 25 33.17	-0.072	20	0.37	39.135	16	33.1	31.95	16	33.1	K0	17	2160	A -2 1656

133400 — 0° 6H

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	EPOCH 1950 μ s	EPOCH 1950 σ_μ ″.001	EPOCH 1950 δ_{1950} ° ′ ″	EPOCH 1950 μ' ″	EPOCH 1950 $\sigma_{\mu'}$ ″.001	EPOCH 1950 σ_{1950} ″	ORIGINAL EPOCH α_2 s	ORIGINAL EPOCH σ ″.01	ORIGINAL EPOCH ep.	ORIGINAL EPOCH δ_2 ″	ORIGINAL EPOCH σ' ″.01	ORIGINAL EPOCH ep.	SP.		SOURCE CAT.	SOURCE STAR NUMBER	DM NUMBER
1		8.7A	6 30 45.258	-0.0006	12	-8 53 34.75	-0.029	12	0.26	45.268	16	33.1	34.25	16	33.1	F0		16	2025	A -8 1471
2		9.3A	30 51.184	-0.0021	17	-5 50 12.35	-0.017	17	0.32	51.219	16	33.1	12.05	16	33.1	B9		17	2161	A -5 1684
3		9.1A	30 52.878	0.0006	11	-9 37 22.90	-0.002	11	0.24	52.868	16	33.1	22.86	16	33.1	K0		16	2026	A -9 1516
4		5.0H	31 5.559	-0.0006	02	-1 10 50.67	-0.022	02	0.07	5.570	04	30.8	50.16	05	27.4	B3		F4	1175	-1 1274
5		9.4A	31 5.770	0.0013	09	-5 13 57.39	-0.003	09	0.22	5.748	16	33.1	57.34	16	33.1	B9		17	2162	A -5 1685
6		8.6A	31 10.132	-0.0008	09	-0 13 29.27	-0.043	11	0.22	10.143	17	37.0	28.71	17	37.0	A0		21	1726	A -0 1336
7		9.1A	31 12.344	0.0004	11	-7 40 56.78	-0.061	11	0.24	12.337	16	33.1	55.74	16	33.1	F8		16	2028	A -7 1469
8		8.1A	31 15.724	0.0004	12	-7 9 50.88	0.011	12	0.26	15.716	16	33.1	51.08	16	33.1	B9		16	2029	A -7 1471
9		8.5A	31 20.204	-0.0003	12	-6 31 0.51	-0.019	12	0.26	20.209	16	33.1	0.18	16	33.1	A3		16	2030	A -6 1605
10		8.8A	31 22.847	-0.0012	09	-1 57 10.40	-0.018	11	0.22	22.863	17	37.0	10.17	17	37.0	K2		21	1727	A -1 1276
11		9.0A	31 25.471	-0.0012	12	-6 4 0.28	0.007	12	0.26	25.491	16	33.1	0.39	16	33.1	A0		17	2165	A -6 1606
12		9.2A	31 26.500	-0.0027	09	-2 3 10.03	0.005	11	0.22	26.535	17	37.0	10.10	17	37.0	A0	R	21	1728	A -1 1278
13		8.5A	31 32.201	-0.0002	13	-4 31 42.04	0.002	13	0.28	32.205	16	33.1	42.08	16	33.1	K5		17	2166	A -4 1566
14		8.5A	31 32.426	-0.0019	13	-5 1 54.38	-0.008	13	0.28	32.459	16	33.1	54.25	16	33.1	A0		17	2167	A -4 1567
15		8.9A	31 34.691	0.0010	12	-9 19 12.41	-0.033	12	0.26	34.673	16	33.1	11.84	16	33.1	K0		16	2032	A -9 1519
16		8.5A	31 37.259	-0.0014	13	-4 10 2.62	0.007	13	0.28	37.283	16	33.1	2.74	16	33.1	A2		17	2168	A -4 1568
17		9.4A	31 39.530	-0.0003	12	-9 23 56.76	-0.005	12	0.26	39.535	16	33.1	56.67	16	33.1	A0		16	2035	A -9 1520
18		9.0A	31 40.679	-0.0008	13	-5 58 53.72	-0.016	13	0.28	40.692	16	33.1	53.45	16	33.1	A2		17	2169	A -5 1687
19		9.0A	31 42.689	-0.0004	09	-6 35 28.79	0.013	09	0.22	42.695	16	33.1	29.00	16	33.1	G5		16	2034	A -6 1611
20		8.5A	31 49.778	-0.0024	13	-3 23 13.35	0.013	13	0.28	49.817	16	33.1	13.57	16	33.1	K0		17	2171	A -3 1487
21		7.4A	31 50.095	-0.0003	13	-4 51 35.76	0.021	13	0.28	50.100	16	33.1	36.12	16	33.1	B8		17	2173	A -4 1569
22		8.1A	31 50.114	-0.0006	13	-2 51 55.73	-0.011	13	0.28	50.125	16	33.1	55.54	16	33.1	A3		17	2170	A -2 1662
23		8.3A	31 50.903	-0.0004	11	-5 17 17.90	-0.030	11	0.24	50.909	16	33.1	17.39	16	33.1	B8		17	2174	A -5 1689
24		7.1T	31 51.436	-0.0006	12	-3 2 2.98	-0.004	12	0.66	51.480	17	95.5	2.78	18	96.9	K2		GC	8550	-2 1663
25		9.0A	31 55.199	-0.0006	11	-3 33 25.50	0.016	11	0.24	55.209	16	33.1	25.77	16	33.1	K0		17	2175	A -3 1489
26		9.0A	31 56.409	-0.0008	12	-2 39 45.25	-0.009	12	0.26	56.423	16	33.1	45.10	16	33.1	A0	F	17	2176	A -2 1664
27		9.2A	32 2.103	0.0005	09	-2 2 40.94	-0.021	11	0.22	2.097	17	37.0	40.67	17	37.0	K0	R	21	1729	A -1 1282
28		8.5A	32 2.523	-0.0018	12	-7 54 35.77	0.040	12	0.26	2.554	16	33.1	36.44	16	33.1	K5		16	2037	A -7 1474
29		9.0A	32 10.970	-0.0031	09	-0 57 40.63	-0.002	11	0.22	11.010	17	37.0	40.61	17	37.0	F5		21	1730	A -0 1343
30		8.8A	32 16.937	0.0002	12	-8 34 4.05	-0.014	11	0.25	16.934	16	33.1	3.81	16	33.1	B5		16	2039K	A -8 1480
31		8.5A	32 17.577	-0.0009	13	-6 6 14.28	-0.009	13	0.28	17.591	16	33.1	14.12	16	33.1	F0		17	2177	A -6 1616
32		8.4A	32 22.646	-0.0003	13	-4 12 52.66	0.006	13	0.28	22.651	16	33.1	52.76	16	33.1	A0		17	2178	A -4 1571
33		9.0A	32 22.931	0.0005	12	-6 38 45.48	-0.012	12	0.26	22.922	16	33.1	45.27	16	33.1	G		16	2040	A -6 1618
34		8.0A	32 24.074	0.0006	13	-4 38 25.13	-0.009	13	0.28	24.063	16	33.1	24.98	16	33.1	K0		17	2179	A -4 1574
35		9.0A	32 34.390	-0.0007	12	-8 18 58.44	-0.067	12	0.26	34.402	16	33.1	57.30	16	33.1	K0		16	2041	A -8 1481
36		8.9A	32 36.068	-0.0012	11	-8 49 37.02	-0.015	11	0.24	36.088	16	33.1	36.76	16	33.1	B9		16	2042	A -8 1482
37		8.4A	32 40.348	-0.0008	09	-1 28 8.27	-0.028	11	0.22	40.359	17	37.0	7.91	17	37.0	MB		21	1733	A -1 1288
38		8.9A	32 44.956	0.0011	13	-5 32 51.39	-0.056	13	0.28	44.938	16	33.1	50.43	16	33.1	G0		17	2181	A -5 1695
39		7.3A	32 48.926	-0.0008	13	-4 44 55.38	-0.024	13	0.28	48.940	16	33.1	54.98	16	33.1	K0		17	2182	A -4 1576
40		9.0A	32 50.280	-0.0014	09	-0 6 34.06	-0.006	11	0.22	50.298	17	37.0	33.97	17	37.0	A0		21	1734	A -0 1350
41		9.0A	32 58.543	0.0006	09	-0 53 43.34	-0.019	11	0.22	58.536	17	37.0	43.10	17	37.0	A5		21	1736	A -0 1352
42		9.0A	33 0.184	-0.0004	09	-0 35 58.16	0.000	11	0.22	0.190	17	37.0	58.17	17	37.0	B9		21	1737	A -0 1353
43		8.5A	33 0.224	-0.0001	09	-4 3 40.02	0.005	09	0.22	0.225	16	33.1	40.11	16	33.1	K2		17	2183	A -3 1499
44		8.7A	33 0.627	0.0011	12	-7 19 58.53	0.014	12	0.26	0.608	16	33.1	58.76	16	33.1	F2		16	2044	A -7 1479
45		8.0A	33 4.295	0.0068	13	-2 11 58.39	-0.113	13	0.28	4.180	16	33.1	56.48	16	33.1	F8		17	2184	A -2 1669
46		8.2A	33 4.697	0.0014	13	-3 56 21.62	-0.147	13	0.28	4.674	16	33.1	19.13	16	33.1	F5		17	2185	A -3 1501
47		9.0A	33 8.251	0.0004	12	-9 19 47.30	-0.000	12	0.26	8.244	16	33.1	47.29	16	33.1	A0		16	2045	A -9 1529
48		8.6A	33 12.291	-0.0006	09	-1 3 17.98	-0.008	11	0.22	12.298	17	37.0	17.88	17	37.0	B9		21	1739	A -0 1355
49		8.8A	33 14.040	-0.0019	09	-1 38 33.02	-0.005	11	0.22	14.065	17	37.0	32.96	17	37.0	A2		21	1740	A -1 1289
50		8.8A	33 14.748	0.0015	13	-8 26 20.07	0.003	13	0.28	14.723	16	33.1	20.11	16	33.1	K5		16	2046	A -8 1484
51		9.0A	6 33 17.128	-0.0016	11	-5 46 47.80	0.004	11	0.24	17.155	16	33.1	47.86	16	33.1	F5		17	2186	A -5 1698
52		7.8A	33 19.196	-0.0007	12	-8 57 28.35	-0.005	12	0.26	19.209	16	33.1	28.26	16	33.1	K0		16	2047	A -8 1486
53		8.3A	33 19.745	-0.0017	13	-5 49 53.92	-0.012	13	0.28	19.774	16	33.1	53.71	16	33.1	G5		17	2189	A -5 1700
54		7.7A	33 21.822	-0.0001	13	-3 8 48.80	0.004	13	0.28	21.824	16	33.1	48.87	16	33.1	K2		17	2187	A -3 1503
55		8.7A	33 22.547	-0.0013	13	-8 30 7.09	-0.025	12	0.27	22.569	16	33.1	6.66	16	33.1	K0		16	2048	A -8 1487
56		8.5A	33 22.838	-0.0019	13	-2 32 18.29	0.012	13	0.28	22.871	16	33.1	18.50	16	33.1	A2		17	2188	A -2 1671
57		8.0A	33 28.608	-0.0015	13	-3 56 8.08	0.002	13	0.28	28.633	16	33.1	8.12	16	33.1	A2		17	2190	A -3 1506
58		9.0A	33 38.608	-0.0011	09	-1 29 52.90	-0.026	11	0.22	38.621	17	37.0	52.57	17	37.0	A5		21	1741	A -1 1291
59		8.4A	33 45.279	0.0017	09	-5 46 2.32	-0.019	09	0.22	45.250	16	33.1	1.99	16	33.1	K0		17	2192	A -5 1703
60		9.2A	33 45.769	-0.0025	09	-2 4 26.69	-0.013	11	0.22	45.802	17	37.0	26.53	17	37.0	A0	R	21	1742	A -1 1292
61		9.4A	33 45.798	-0.0011	09	-2 4 26.23	0.005	09	0.22	45.816	16	33.6	26.31	16	33.6	B8	R	17	2191	A -2 1672
62		9.2A	33 48.923	-0.0014	09	-0 29 20.10	-0.048	11	0.22	48.942	17	37.0	19.47	17	37.0	F5	R	21	1743	
63		9.0A	33 55.750	-0.0017	13	-5 59 13.42	-0.015	13	0.28	55.778	16	33.1	13.17	16	33.1	K0		17	2193	A -5 1707
64		8.5A	33 56.585	-0.0008	12	-8 46 40.86	-0.020	12	0.26	56.599	16	33.1	40.51	16	33.1	K5		16	2052	A -8 1489
65		9.0A	33 57.732	-0.0022	13	-4 55 40.77	-0.015	13	0.28	57.770	16	33.1	40.52	16	33.1	F0		17	2194	A -4 1581
66		8.7A	34 5.350	0.0004	12	-9 47 10.03	0.005	12	0.26	5.343	16	33.1	10.10	16	33.1	F0		16	2053	A -9 1537
67		9.0A	34 5.906	0.0007	09	-3 33 23.19	-0.006	09	0.22	5.894	16	33.1	23.09	16	33.1	A3		17	2195	A -3 1510
68		9.0A	34 7.350	-0.0001	09	-1 35 9.92	-0.023	11	0.22	7.352	17	37.0	9.63	17	37.0	K5	R	21	1746	A -1 1294
69		5.5T	34 7.576	-0.0003	06	-5 10 5.26	-0.016	04	0.21	7.586	07	10.8	4.61	06	09.2	B9	R	GC	8609	B* -5 1710
70		8.8A	34 8.320	-0.0017	09	-1 7 29.35	-0.040	11	0.22	8.343	17	37.0	28.84	17	37.0	F8	R	21	1747	A -1 1295
71		9.0A	34 9.930	-0.0018	13	-3 26 43.27	0.002	13	0.28	9.961	16	33.1	43.31	16	33.1	K2	F	17	2197	A -3 1511
72		8.9A	34 11.104	-0.0029	11	-9 50 12.48	-0.005	11	0.23	11.152	16	33.6	12.39	16	33.6	G0	R	16	2056	A -9 1538
73		8.8A	34 11.671	0.0007	12	-7 15 10.69	-0.003	12	0.26	11.659	16	33.1	10.63	16	33.1	A0		16	2054	A -7 1488
74		9.2A	34 14.440	-0.0002	12	-6 19 13.93	-0.003	12	0.26	14.443	16	33.1	13.87	16	33.1	A2		16	2055	A -6 1628
75		9.0A	34 16.753	-0.0009	09	-0 25 54.13	-0.003	11	0.22	16.764	17	37.0	54.08	17	37.0	K0	R	21	1749	A -0 1360
76		8.6A	34 18.784	0.0010	12	-6 50 14.31	0.012	12	0.26	18.767	16	33.1	14.50	16	33.1	A5		16	2057	A -6 1629
77		8.8A	34 19.808	-0.0015	09	-1 32 30.52	-0.013	11	0.22	19.828	17	37.0	30.36	17	37.0	F0		21	1750	A -1 1296
78		8.6A	34 26.305	0.0006	09	-2 1 49.56	-0.024	11	0.22	26.297	17	37.0	49.26	17	37.0	K0		21	1751	A -1 1298
79		8.6A	34 27.698	-0.0004	12	-9 10 14.99	-0.012	12	0.26	27.704	16	33.1	14.77	16	33.1	K2		16	2058	A -9 1541
80		9.1A	34 28.624	-0.0017	13	-4 48 4.00	-0.011	13	0.28	28.653	16	33.1	3.81	16	33.1	K0	F	17	2200	A -4 1585
81		8.6A	34 30.277	0.0063	13	-3 32 57.76	-0.075	13	0.28	30.171	16	33.1	56.49	16	33.1	A5		17	2199	A -3 1513
82		8.9A	34 30.431	-0.0013	12	-9 50 32.29	-0.018	12	0.26	30.452	16	33.1	31.97	16	33.1	K0		16	2059	A -9 1543
83		9.0A	34 31.155	-0.0003	09	-0 56 46.36	-0.027	11	0.22	31.159	17	37.0	46.02	17	37.0	A5		21	1752	A -0 1362
84		7.5A	34 34.472	-0.0016	09	-2 8 8.68	-0.011	09	0.22	34.500	16	33.1	8.50	16	33.1	B9		17	2201	A -2 1680
85		9.0A	34 34.992	-0.0024	17	-2 50 36.39	0.010	17	0.32	35.033	16	33.1	36.56	16	33.1	K2	F	17	2202	A -2 1681
86		9.0A	34 36.759	-0.0008	09	-1 5 37.85	-0.021	11	0.22	36.770	17	37.0	37.58	17	37.0	A3		21	1754	A -1 1299
87		8.8A	34 48.276	-0.0008	09	-0 49 24.82	-0.027	11	0.22	48.287	17	37.0	24.48	17	37.0	K2		21	1755	A -0 1363
88		8.9A	34 50.980	-0.0013	13	-9 18 55.21	-0.008	13	0.28	51.002	16	33.1	55.06	16	33.1	F0		16	2060	A -9 1545
89		8.5A	34 58.353	-0.0008	09	-1 34 41.84	-0.006	11	0.22	58.364	17	37.0	41.77	17	37.0	A3		21	1756	A -1 1301
90		9.0A	35 7.511	-0.0002	09	-0 9 1.50	-0.008	11	0.22	7.514	17	37.0	1.39	17	37.0	A2		21	1757	A -0 1365
91		7.1T	35 7.872	0.0002	18	-8 11 29.09	0.011	14	0.78	7.862	21	04.7	29.60	19	02.1	B9		GC	8645	-8 1496
92		8.8A	35 12.176	-0.0004	12	-8 36 48.59	-0.023	12	0.26	12.182	16	33.1	48.19	16	33.1	B3		16	2062	A -8 1498
93		9.0A	35 12.668	-0.0012	13	-3 38 35.48	0.008	13	0.28	12.688	16	33.1	35.62	16	33.1	A3		17	2203K	A -3 1517
94		8.7A	35 14.425	-0.0003	13	-9 21 13.19	-0.004	13	0.28	14.430	16	33.1	13.11	16	33.1	B5		16	2063	A -9 1549
95		9.1A	35 18.073	-0.0014	12	-4 58 26.90	-0.004	12	0.26	18.097	16	33.1	26.84	16	33.1	K2	F	17	2204	A -4 1591
96		9.0A	35 18.930	-0.0008	13	-4 20 52.36	-0.010	13	0.28	18.943	16	33.1	52.19	16	33.1	G0		17	2205	A -4 1590
97		8.5A	35 23.350	-0.0018	09	-0 38 16.25	-0.002	11	0.22	23.374	17	37.0	16.23	17	37.0	B8		21	1759	A -0 1367
98		8.7A	35 25.711	0.0011	12	-7 2 6.26	-0.027	11	0.25	25.692	16	33.1	5.79	16	33.1	F5		16	2065	A -6 1641
99		9.0A	35 27.309	-0.0013	09	-1 26 51.84	-0.031	11	0.22	27.327	17	37.0	51.45	17	37.0	K0	R	21	1760	A -1 1304
00		7.7A	35 27.641	-0.0004	12	-8 44 14.76	-0.061	12	0.26	27.647	16	33.1	13.72	16	33.1	K0		16	2067K	A -8 1499

133500

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	σ'_μ ″.001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	SOURCE CAT.	STAR NUMBER	- 00 6H DM NUMBER
1		9.0A	6 35 28.436	-0.0016	13	-5 58 49.70	0.002	13	0.28	28.465	16	33.1	49.74	16	33.1	G5	17	2208	A -5 1717
2		8.8A	35 28.875	-0.0012	11	-5 29 21.13	-0.012	11	0.24	28.895	16	33.1	20.93	16	33.1	A0	17	2207	A -5 1716
3		9.0A	35 29.255	-0.0026	20	-2 8 14.87	0.003	20	0.36	29.297	16	33.6	14.92	16	33.6	F5 R	17	2206	A -2 1688
4		9.0A	35 32.988	-0.0017	09	-1 28 24.60	-0.036	11	0.22	33.009	17	37.0	24.14	17	37.0		21	1763	A -1 1305
5		8.2A	35 33.625	0.0009	09	-1 23 58.90	-0.041	11	0.22	33.614	17	37.0	58.38	17	37.0	K0	21	1764	A -1 1306
6		8.2A	35 35.154	0.0004	13	-9 13 27.69	0.009	13	0.28	35.147	16	33.1	27.83	16	33.1	B8	16	2069	A -9 1553
7		9.1A	35 36.803	-0.0000	12	-7 12 37.25	-0.069	12	0.26	36.803	16	33.1	36.07	16	33.1	G0	16	2068	A -7 1495
8		9.0A	35 43.328	0.0017	12	-4 39 0.73	0.006	12	0.26	43.298	16	33.1	0.83	16	33.1	K0	17	2209	A -4 1593
9		9.0A	35 45.177	-0.0023	13	-5 50 13.41	0.014	13	0.28	45.215	16	33.1	13.64	16	33.1	F0	17	2210	A -5 1719
10		8.8A	35 49.654	-0.0005	12	-7 16 51.25	0.010	12	0.26	49.662	16	33.1	51.41	16	33.1	B9	16	2070	A -7 1497
11		6.3T	35 49.673	-0.0015	11	-2 29 56.31	0.014	11	0.57	49.754	15	96.9	57.04	17	98.5	K2	GC	8664	-2 1681
12		8.9A	35 54.764	0.0025	12	-6 55 54.00	-0.009	12	0.26	54.721	16	33.1	53.84	16	33.1	F0	16	2071	A -6 1643
13		9.0A	35 54.868	0.0002	11	-4 12 46.80	0.017	11	0.24	54.863	16	33.1	47.09	16	33.1	A0	17	2212	A -4 1595
14		9.0A	35 58.392	-0.0009	09	-1 59 51.28	-0.001	11	0.22	58.404	17	37.0	51.27	17	37.0	F8 R	21	1767	A -1 1310
15		9.0A	35 59.884	-0.0011	11	-2 21 49.80	-0.002	11	0.24	59.913	16	33.1	49.77	16	33.1	A2	17	2214K	A -2 1693
16		9.0A	36 0.012	-0.0006	12	-4 52 55.09	-0.033	12	0.26	0.023	16	33.1	54.53	16	33.1	G5	17	2215	A -4 1596
17		8.5A	36 7.173	0.0015	09	-4 14 51.69	0.022	09	0.22	7.148	16	33.1	52.07	16	33.1	A5	17	2216	A -4 1597
18		7.9A	36 8.909	0.0017	12	-9 16 34.90	-0.015	12	0.26	8.879	16	33.1	34.64	16	33.1	MA	16	2073	A -9 1557
19		8.9A	36 11.795	-0.0106	12	-9 43 3.23	0.089	12	0.26	11.974	16	33.1	4.73	16	33.1	G5	16	2074	A -9 1558
20		9.0A	36 13.158	-0.0100	12	-9 43 38.08	0.098	12	0.26	13.328	16	33.1	39.73	16	33.1	G R	16	2075	A -9 1560
21		8.5A	36 15.887	-0.0005	12	-5 15 9.29	-0.027	12	0.26	15.894	16	33.1	8.83	16	33.1	F0	17	2217	A -5 1724
22		8.8A	36 27.319	-0.0017	12	-8 43 43.44	-0.025	12	0.26	27.347	16	33.1	43.01	16	33.1	K5	16	2076	A -8 1506
23		9.1A	36 27.506	-0.0006	12	-8 59 51.08	-0.011	12	0.26	27.515	16	33.1	50.88	16	33.1	F8	16	2077	A -8 1507
24		9.6A	36 28.476	0.0008	13	-3 15 44.15	0.000	13	0.28	28.462	16	33.1	44.15	16	33.1	A3 F	17	2218	A -3 1527
25		9.0A	36 38.085	-0.0004	09	-3 14 25.43	0.045	09	0.22	38.092	16	33.1	26.19	16	33.1	A8 F	17	2219	A -3 1529
26		9.3A	36 40.604	0.0002	17	-3 15 31.95	0.038	17	0.32	40.600	16	33.1	32.59	16	33.1	F1 F	17	2220	A -3 1530
27		9.0A	36 43.383	-0.0004	13	-2 59 5.28	0.000	13	0.28	43.390	16	33.1	5.28	16	33.1	A2	17	2221	A -2 1699
28		9.3A	36 48.146	-0.0011	12	-7 3 9.57	-0.010	12	0.26	48.164	16	33.1	9.39	16	33.1	A2	16	2078	A -6 1651
29		8.7A	36 49.890	0.0003	12	-9 19 3.47	-0.032	12	0.26	49.885	16	33.1	2.92	16	33.1	A2	16	2079	A -9 1564
30		9.1A	36 58.835	0.0003	12	-9 55 17.59	-0.013	12	0.26	58.830	16	33.1	17.36	16	33.1	K0	16	2080	A -9 1568
31		8.8A	37 3.934	-0.0009	09	-0 46 35.80	-0.018	11	0.22	3.947	17	37.0	35.57	17	37.0	A0	21	1777	A -0 1380
32		9.1A	37 4.146	0.0002	11	-7 3 37.08	-0.030	11	0.24	4.143	16	33.1	36.96	16	33.1	G0	16	2081	A -6 1655
33		9.0A	37 8.377	-0.0001	13	-2 45 19.20	-0.004	13	0.28	8.379	16	33.1	19.13	16	33.1	F8 F	17	2222	A -2 1701
34		9.0A	37 13.212	0.0011	12	-7 58 52.07	0.020	12	0.26	13.194	16	33.1	52.40	16	33.1	A3	16	2083K	A -7 1509
35		8.4A	37 13.827	0.0003	11	-6 25 10.22	-0.032	11	0.24	13.821	16	33.1	9.67	16	33.1	K2	16	2082	A -6 1658
36		8.0A	37 14.285	-0.0015	09	-1 20 1.33	-0.020	11	0.22	14.305	17	37.0	1.08	17	37.0	K0	21	1778	A -1 1318
37		9.0A	37 14.367	-0.0017	11	-5 20 19.53	-0.013	11	0.24	14.415	16	33.1	19.31	16	33.1	F5	17	2224K	A -5 1728
38		9.1A	37 17.019	0.0016	11	-9 47 53.11	-0.008	11	0.24	16.988	16	33.1	52.96	16	33.1	K0	16	2084	A -9 1573
39		9.1A	37 20.740	-0.0013	11	-5 21 16.83	-0.021	11	0.24	20.762	16	33.1	16.48	16	33.1	A0	17	2225	A -5 1731
40		9.0A	37 28.484	-0.0011	13	-3 18 44.40	0.011	13	0.28	28.504	16	33.1	44.59	16	33.1	G9 F	17	2226	A -3 1536
41		9.0A	37 30.709	-0.0003	09	-1 40 58.81	-0.019	11	0.22	30.713	17	37.0	58.57	17	37.0	A	21	1780	A -1 1320
42		8.5A	37 33.253	0.0000	13	-4 39 6.04	0.017	13	0.28	33.253	16	33.1	6.33	16	33.1	B0	17	2228	A -4 1607
43		7.8A	37 34.634	-0.0028	13	-2 18 52.66	-0.009	13	0.28	34.682	16	33.1	52.51	16	33.1	A0	17	2227	A -2 1704
44		9.0A	37 40.037	-0.0001	13	-4 32 48.61	0.015	13	0.28	40.040	16	33.1	48.87	16	33.1	A2	17	2229	A -4 1609
45		8.0A	37 40.454	0.0005	13	-5 14 34.08	-0.005	13	0.28	40.445	16	33.1	34.00	16	33.1	A0	17	2230	A -5 1735
46		8.4A	37 41.406	0.0000	12	-8 26 53.29	-0.004	12	0.26	41.405	16	33.1	53.21	16	33.1	K2	16	2085	A -8 1510
47		8.5A	37 43.477	-0.0011	13	-2 58 9.46	-0.020	13	0.28	43.496	16	33.1	9.12	16	33.1	A2	17	2231	A -2 1706
48		7.7A	37 47.195	0.0003	13	-4 24 50.12	0.025	13	0.28	47.190	16	33.1	50.55	16	33.1	K5	17	2232	A -4 1610
49		9.0A	37 48.909	-0.0010	13	-4 39 43.35	-0.009	13	0.28	48.927	16	33.1	43.20	16	33.1	B9	17	2233	A -4 1611
50		8.8A	37 50.139	0.0016	13	-8 18 36.60	-0.036	13	0.28	50.112	16	33.1	35.98	16	33.1	G5	16	2087	A -8 1511
51		8.2A	6 37 52.100	-0.0011	13	-3 19 18.93	-0.005	13	0.28	52.118	16	33.1	18.85	16	33.1	A0	17	2234	A -3 1537
52		7.0A	37 52.387	0.0005	12	-6 17 57.19	0.012	12	0.26	52.378	16	33.1	57.39	16	33.1	MA	16	2086	A -6 1664
53		9.1A	37 52.673	0.0015	13	-5 29 6.21	0.013	13	0.28	52.648	16	33.1	6.43	16	33.1	G8 F	17	2235	A -5 1538
54		9.2A	37 57.458	-0.0016	09	-0 3 1.06	-0.006	11	0.22	57.478	17	37.0	0.98	17	37.0	A0 R	21	1782	A 0 1538
55		8.7A	38 0.380	-0.0037	13	-3 28 36.79	-0.017	13	0.28	0.442	16	33.1	36.50	16	33.1	F5	17	2236	A -3 1542
56		8.7A	38 3.025	-0.0004	12	-7 22 19.72	0.005	12	0.26	3.032	16	33.1	19.79	16	33.1	A0	16	2089	A -7 1516
57		9.0A	38 5.668	-0.0021	13	-8 56 0.84	-0.018	13	0.28	5.703	16	33.1	0.52	16	33.1	B9	16	2090	A -8 1514
58		8.7A	38 7.989	-0.0019	13	-8 53 26.52	-0.017	13	0.28	8.021	16	33.1	26.22	16	33.1	B9	16	2091	A -8 1515
59		9.0A	38 8.353	0.0014	13	-4 1 12.28	-0.062	13	0.28	8.330	16	33.1	11.23	16	33.1	G0	17	2237	A -3 1544
60		8.7A	38 18.816	-0.0013	13	-8 58 32.98	0.031	13	0.28	18.838	16	33.1	33.49	16	33.1	K5	16	2092	A -8 1517
61		8.6A	38 23.611	-0.0014	12	-8 44 51.36	-0.012	12	0.26	23.634	16	33.1	51.15	16	33.1	A2	16	2093	A -8 1518
62		8.8A	38 26.168	-0.0003	13	-5 29 9.45	-0.010	13	0.28	26.173	16	33.1	9.28	16	33.1	K0	17	2239	A -5 1744
63		9.1A	38 26.860	-0.0006	12	-7 9 1.95	0.012	12	0.26	26.890	16	33.1	2.14	16	33.1	B9	16	2094	A -7 1519
64		8.8A	38 27.212	-0.0012	13	-4 31 13.29	-0.008	13	0.28	27.232	16	33.1	13.16	16	33.1	F0	17	2238	A -4 1616
65		9.0A	38 27.704	-0.0003	09	-0 45 35.75	-0.026	11	0.22	27.708	17	37.0	35.42	17	37.0	A2	21	1784	A -0 1392
66		7.6A	38 36.814	-0.0018	12	-7 31 26.08	0.014	12	0.26	36.844	16	33.1	28.31	16	33.1	K2	16	2095	A -7 1523
67		7.7A	38 41.775	0.0011	13	-5 39 24.98	0.030	13	0.28	41.757	16	33.1	25.48	16	33.1	K0	17	2240	A -5 1747
68		9.0B	38 45.573	-0.0008	15	-7 56 42.72	0.012	13	0.65	45.605	19	08.2	43.24	19	05.0	B9	GC	8739K	-7 1524
69		8.8B	38 45.685	-0.0015	09	-7 56 31.84	-0.004	06	0.41	45.753	18	03.1	31.60	17	92.3	B9	GC	8740K	B* -7 1524
70		9.4A	38 47.682	-0.0004	11	-6 44 42.86	-0.001	11	0.24	47.688	16	33.1	42.83	16	33.1	F5 R	16	2099	A -6 1674
71		9.0A	38 47.819	-0.0017	13	-5 49 43.70	0.008	13	0.28	47.848	16	33.1	43.83	16	33.1	B8	17	2242	A -5 1748
72		8.6A	38 48.122	-0.0002	12	-6 35 25.78	-0.020	12	0.26	48.125	16	33.1	25.43	16	33.1	K5	16	2100	A -6 1675
73		8.0A	38 52.015	0.0045	13	-2 17 58.78	-0.138	13	0.28	51.959	16	33.1	56.44	16	33.1	F8	17	2241	A -2 1716
74		6.8T	38 56.888	-0.0018	13	-7 7 13.17	-0.005	12	0.66	56.977	17	99.6	12.89	17	99.2	B8	GC	8742K	-7 1526
75		8.2A	39 1.395	0.0000	13	-3 55 44.37	-0.001	13	0.28	1.395	16	33.1	44.35	16	33.1	A2	17	2243K	A -3 1553
76		8.5A	39 2.291	-0.0044	13	-6 5 32.42	0.009	13	0.28	2.366	16	33.1	32.57	16	33.1	A0	17	2244	A -6 1679
77		8.6A	39 3.552	-0.0027	09	-1 3 11.83	-0.063	11	0.22	3.587	17	37.0	11.02	17	37.0	F8	21	1787	A -0 1395
78		8.9A	39 7.109	0.0002	09	-1 51 16.10	0.000	11	0.22	7.106	17	37.0	16.11	17	37.0	F5	21	1788	A -1 1335
79		9.0A	39 10.149	0.0008	09	-0 59 7.21	-0.017	11	0.22	10.139	17	37.0	7.00	17	37.0	F8 R	21	1789	A -0 1397
80		9.5A	39 15.045	-0.0002	12	-7 55 34.07	-0.010	12	0.26	15.047	16	33.1	33.89	16	33.1	B9	16	2103	A -7 1530
81		8.9A	39 19.920	-0.0006	09	-0 14 15.33	-0.006	11	0.22	19.928	17	37.0	15.25	17	37.0	K0 R	21	1790	A -0 1398
82		8.5A	39 21.518	-0.0008	13	-6 6 14.34	0.010	13	0.28	21.531	16	33.1	14.50	16	33.1	MA	17	2245	A -6 1682
83		9.3A	39 27.420	0.0000	13	-9 2 46.66	0.022	13	0.28	27.420	16	33.1	47.02	16	33.1	K0 R	16	2105	A -8 1523
84		9.3A	39 29.372	-0.0008	13	-9 0 17.14	0.004	13	0.28	29.386	16	33.1	17.20	16	33.1	G5 R	16	2107	A -8 1524
85		5.3T	39 33.135	0.0025	07	-9 7 3.30	-0.042	06	0.30	33.030	12	08.5	1.48	10	07.0	K5	GC	8756	B* -9 1601
86		9.0A	39 38.569	-0.0011	13	-5 22 34.28	-0.026	13	0.28	38.587	16	33.1	33.84	16	33.1	K5	17	2247	A -5 1751
87		6.9T	39 40.678	0.0008	15	-6 3 53.82	-0.008	14	0.80	40.634	17	96.8	53.37	15	95.5	B5	GC	8762	B* -5 1753
88		8.3A	39 41.987	-0.0002	12	-6 17 32.57	-0.015	12	0.26	41.970	16	33.1	32.31	16	33.1	A5	16	2110	A -6 1684
89		8.9A	39 44.208	0.0000	12	-9 49 50.60	-0.033	12	0.26	44.207	16	33.1	50.03	16	33.1	A0	16	2111	A -9 1602
90		8.7A	39 44.662	-0.0008	13	-3 1 1.27	0.016	13	0.28	44.675	16	33.1	1.54	16	33.1	G0	17	2249	A -2 1725
91		8.2A	39 45.544	0.0003	13	-3 55 33.06	-0.011	13	0.28	45.539	16	33.1	32.88	16	33.1	K2	17	2250	A -3 1555
92		9.1A	39 52.780	0.0000	12	-9 51 17.10	-0.049	12	0.26	52.779	16	33.1	16.26	16	33.1	G0	16	2113	A -9 1603
93		9.0A	39 52.823	-0.0020	13	-3 24 16.38	0.032	13	0.28	52.858	16	33.1	16.92	16	33.1	F8 F	17	2251	A -3 1556
94		9.2A	39 56.301	-0.0009	12	-6 58 27.46	-0.014	12	0.26	56.309	16	33.1	27.21	16	33.1	K2 R	16	2114	A -6 1685
95		8.5A	39 59.118	0.0001	13	-3 15 17.66	-0.002	13	0.28	59.116	16	33.1	17.63	16	33.1	K0	17	2252	A -3 1557
96		9.2A	40 0.797	-0.0009	12	-6 0 57.27	0.013	12	0.26	0.813	16	33.1	57.48	16	33.1	A0	17	2253	A -5 1755
97		8.6A	40 4.718	-0.0010	09	-1 26 8.13	-0.021	11	0.22	4.732	17	37.0	7.86	17	37.0	A0	21	1793	A -1 1341
98		7.7A	40 8.227	-0.0010	13	-3 47 9.55	-0.022	13	0.28	8.244	16	33.1	9.18	16	33.1	A2	17	2254	A -3 1560
99		8.7A	40 9.894	-0.0013	12	-9 30 59.93	-0.010	12	0.26	9.915	16	33.1	59.75	16	33.1	A0	16	2116	A -9 1606
00		9.2A	40 10.935	-0.0021	13	-2 14 40.11	0.013	13	0.27	10.970	16	33.6	40.33	16	33.6	M5 R	17	2255	A -2 1728

133600

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	EPOCH 1950 μ s	EPOCH 1950 σ_μ ″.001	EPOCH 1950 δ_{1950} ° ′ ″	EPOCH 1950 μ' ″	EPOCH 1950 σ'_μ ″.001	EPOCH 1950 σ_{1950} ″	ORIGINAL EPOCH α_2 s	ORIGINAL EPOCH σ ″.01	ORIGINAL EPOCH ep.	ORIGINAL EPOCH δ_2 ″	ORIGINAL EPOCH σ' ″.01	ORIGINAL EPOCH ep.	SP.		SOURCE CAT.	SOURCE STAR NUMBER	DM NUMBER
1		9.0A	6 40 16.080	-0.0019	09	-0 44 7.52	-0.040	11	0.22	16.105	17	37.0	7.01	17	37.0	K5	R	21	1795	A -0 1403
2		9.0A	40 17.855	-0.0018	09	-3 46 54.24	-0.014	09	0.22	17.885	16	33.1	54.00	16	33.1	G8	F	17	2256	A -3 1562
3		6.6T	40 18.569	-0.0036	12	-4 5 26.75	-0.005	11	0.63	18.758	17	97.7	26.50	17	97.5	F5		GC	8772	-4 1627
4		8.8A	40 19.627	-0.0003	13	-2 41 44.40	-0.005	13	0.28	19.633	16	33.1	44.32	16	33.1	K0		17	2257	A -2 1729
5		9.1A	40 24.485	-0.0016	12	-7 38 12.80	-0.002	12	0.26	24.511	16	33.1	12.76	16	33.1	F5		16	2117	A -7 1534
6		9.0A	40 24.544	-0.0022	09	-5 48 6.81	-0.034	09	0.22	24.581	16	33.1	6.23	16	33.1	F2		17	2259	A -5 1759
7		8.8A	40 29.010	-0.0018	09	-2 2 57.99	-0.012	11	0.22	29.034	17	37.0	57.84	17	37.0	A0		21	1787	A -1 1344
8		8.9A	40 30.493	0.0005	13	-2 50 14.86	-0.082	13	0.28	30.485	16	33.1	13.27	16	33.1	G5		17	2261	A -2 1732
9		9.0A	40 38.783	0.0015	13	-4 43 16.03	-0.003	13	0.28	38.759	16	33.1	15.98	16	33.1	K0		17	2262	A -4 1632
10		8.4A	40 38.962	0.0009	12	-9 40 47.19	0.010	12	0.26	38.946	16	33.1	47.35	16	33.1	B9		16	2120	A -9 1609
11		8.5A	40 39.656	-0.0018	12	-6 43 3.00	0.017	12	0.26	39.687	16	33.1	3.28	16	33.1	A3		16	2118	A -6 1697
12		9.2A	40 41.725	-0.0007	12	-7 59 33.59	0.019	12	0.26	41.737	16	33.1	33.90	16	33.1	K0		16	2121	A -7 1535
13		8.5A	40 43.861	-0.0015	13	-2 42 2.42	-0.002	13	0.28	43.287	16	33.1	2.39	16	33.1	K0		17	2263	A -2 1734
14		9.0A	40 57.019	-0.0000	12	-5 39 57.57	0.007	12	0.26	57.019	16	33.1	57.68	16	33.1	K5		17	2264	A -5 1763
15		9.1A	41 0.408	-0.0013	09	-4 22 9.96	-0.009	09	0.22	0.428	16	33.1	9.81	16	33.1	K0		17	2265	A -4 1635
16		8.0A	41 3.878	-0.0005	09	-1 17 44.13	-0.002	11	0.22	3.885	17	37.0	44.11	17	37.0	B8		21	1800	A -1 1349
17		9.3A	41 9.301	-0.0010	09	-4 23 15.10	-0.001	09	0.22	9.317	16	33.6	15.08	16	33.6	K5	R	17	2266	A -4 1636
18		8.4A	41 24.704	0.0000	12	-6 52 6.01	-0.010	12	0.26	24.703	16	33.1	5.83	16	33.1	A0		16	2123	A -6 1705
19		9.0A	41 26.806	-0.0003	12	-9 0 21.47	-0.040	11	0.25	26.811	16	33.1	20.78	16	33.1	G0		16	2124	A -8 1536
20		9.0A	41 36.052	-0.0000	12	-7 33 42.65	0.022	12	0.26	36.052	16	33.1	43.01	16	33.1	K0		16	2125	A -7 1540
21		9.0A	41 37.289	-0.0024	11	-9 25 51.86	-0.029	11	0.24	37.329	16	33.1	51.36	16	33.1	K2		16	2126	A -9 1624
22		8.9A	41 39.395	-0.0001	12	-8 22 14.24	0.009	12	0.26	39.396	16	33.1	14.38	16	33.1	K5		16	2127	A -8 1538
23		9.1A	41 40.042	-0.0012	11	-4 20 29.98	0.006	13	0.26	40.062	16	33.1	30.08	16	33.1	A0		17	2267	A -4 1640
24		9.0A	41 49.830	0.0006	11	-7 4 52.81	0.005	11	0.24	49.820	16	33.1	52.88	16	33.1	A0		16	2128	A -6 1709
25		9.1A	41 52.682	-0.0002	12	-8 21 54.30	-0.000	12	0.26	52.686	16	33.1	54.29	16	33.1	A3		16	2130	A -8 1539
26		8.7A	41 53.373	0.0006	13	-4 32 59.45	0.026	13	0.28	53.364	16	33.1	59.89	16	33.1	F2		17	2269	A -4 1641
27		8.5A	41 53.773	-0.0002	13	-2 22 42.53	0.012	13	0.28	53.776	16	33.1	42.74	16	33.1	A0		17	2268	A -2 1741
28		9.0A	41 54.027	-0.0013	12	-6 3 11.01	0.006	12	0.26	54.049	16	33.1	11.10	16	33.1	K2		17	2270	A -5 1771
29		8.5A	41 54.309	-0.0023	09	-0 2 40.50	-0.018	11	0.22	54.339	17	37.0	40.26	17	37.0	K0		21	1802	A 0 1571
30		9.0A	42 4.856	-0.0012	12	-4 26 25.57	-0.004	12	0.26	4.877	16	33.1	25.50	16	33.1	A0		17	2271	A -4 1642
31		8.8A	42 16.922	0.0002	09	-4 20 27.52	-0.004	09	0.22	16.919	16	33.1	27.45	16	33.1	A5		17	2272	A -4 1644
32		8.1A	42 23.721	-0.0001	12	-9 20 30.02	-0.035	12	0.26	23.722	16	33.1	29.42	16	33.1	G5		16	2131	A -9 1629
33		8.8A	42 25.739	-0.0015	12	-2 49 25.43	0.011	12	0.26	25.764	16	33.1	25.62	16	33.1	B9		17	2273	A -2 1744
34		9.1A	42 29.683	0.0008	09	-0 0 12.58	-0.015	11	0.22	29.673	17	37.0	12.38	17	37.0	A2	R	21	1807	
35		8.8A	42 30.626	-0.0010	09	-0 1 34.25	-0.030	11	0.22	30.639	17	37.0	33.85	17	37.0	F5	R	21	1808	A 0 1578
36		8.0A	42 32.784	-0.0021	13	-5 53 23.12	0.009	13	0.28	32.820	16	33.1	23.27	16	33.1	B8		17	2275	A -5 1777
37		9.2A	42 32.809	-0.0002	09	-2 46 17.79	0.012	09	0.22	32.812	16	33.1	17.99	16	33.1	K0	F	17	2274	A -2 1746
38		7.8A	42 34.099	-0.0004	09	-0 58 4.80	-0.004	11	0.22	34.105	17	37.0	4.76	17	37.0	B9		21	1809	A -0 1416
39		9.1A	42 41.190	-0.0012	09	-2 2 33.76	-0.004	11	0.22	41.206	17	37.0	33.72	17	37.0	B9		21	1811	A -1 1362
40		8.9A	42 47.080	-0.0006	09	-3 53 47.85	-0.003	09	0.22	47.091	16	33.1	47.80	16	33.1	A2		17	2277	A -3 1576
41		9.0A	42 55.801	-0.0010	09	-0 24 49.30	-0.017	11	0.22	55.815	17	37.0	49.07	17	37.0	A2		21	1812	A -0 1417
42		8.6A	42 58.785	-0.0012	09	-1 22 35.30	0.010	11	0.22	58.801	17	37.0	35.44	17	37.0	B9		21	1813	A -1 1364
43		8.6A	43 2.037	-0.0009	12	-9 55 36.94	-0.004	12	0.26	2.052	16	33.1	36.86	16	33.1	A0		16	2133	A -9 1636
44		8.5A	43 2.306	-0.0011	12	-7 4 58.41	-0.000	12	0.26	2.324	16	33.1	58.40	16	33.1	G5		16	2132	A -6 1724
45		6.7T	43 17.072	-0.0015	11	-0 39 46.11	-0.020	10	0.58	17.150	15	98.4	45.09	15	97.7	A0		GC	8842	-0 1421
46		8.9A	43 25.012	-0.0003	09	-1 11 56.28	-0.047	11	0.22	25.016	17	37.0	55.68	17	37.0	A2		21	1816	A -1 1367
47		8.5A	43 27.937	-0.0002	09	-6 50 32.17	0.004	09	0.22	27.940	16	33.1	32.23	16	33.1	A0		16	2134	A -6 1728
48		8.8A	43 29.237	-0.0006	13	-3 44 59.44	0.005	13	0.28	29.248	16	33.1	59.53	16	33.1	A0		17	2278	A -3 1581
49		9.0A	43 29.452	-0.0025	13	-5 44 39.20	-0.020	13	0.28	29.494	16	33.1	38.85	16	33.1	K0		17	2279	A -5 1766
50		8.8A	43 31.254	-0.0001	09	-1 37 51.61	-0.027	11	0.22	31.256	17	37.0	51.27	17	37.0	K0		21	1817	A -1 1369
51		6.9T	6 43 32.307	-0.0026	13	-7 17 5.84	-0.003	15	0.65	32.422	15	05.0	5.69	17	05.8	A0		GC	8847	-7 1551
52		9.3A	43 37.183	-0.0003	09	-5 24 8.04	-0.016	09	0.22	37.188	16	33.1	7.77	16	33.1	A0		17	2281	A -5 1788
53		9.0A	43 39.675	-0.0002	13	-2 20 9.05	0.025	13	0.28	39.679	16	33.1	9.47	16	33.1	B9		17	2280	A -2 1754
54		9.0A	43 45.153	-0.0011	13	-5 7 3.51	-0.002	13	0.28	45.171	16	33.1	3.48	16	33.1	G5		17	2282	A -5 1790
55		8.2A	43 46.504	-0.0005	13	-5 11 46.17	-0.010	13	0.28	46.512	16	33.1	46.00	16	33.1	K5		17	2283	A -5 1791
56		9.0A	43 46.920	-0.0015	13	-5 25 13.82	-0.034	13	0.28	46.945	16	33.1	13.25	16	33.1	A0		17	2284	A -5 1792
57		9.0A	43 54.758	-0.0018	09	-0 9 1.07	-0.032	11	0.22	54.781	17	37.0	0.65	17	37.0	F2	R	21	1820	A -0 1423
58		9.0A	44 1.084	-0.0019	09	-2 3 42.49	0.006	11	0.22	1.109	17	37.0	42.57	17	37.0	A0		21	1822	A -1 1372
59		9.0A	44 6.903	-0.0009	09	-0 47 41.80	-0.015	11	0.22	6.915	17	37.0	41.61	17	37.0	A2		21	1823	A -0 1426
60		6.8T	44 8.371	0.0005	18	-8 51 49.71	-0.005	13	0.72	8.349	22	08.0	49.47	21	05.2	B9		GC	8865	-8 1549
61		8.7A	44 11.998	0.0001	12	-6 30 42.99	0.002	12	0.26	11.996	16	33.1	43.01	16	33.1	B9		16	2137	A -6 1734
62		9.0A	44 13.505	0.0010	12	-7 52 18.22	-0.004	12	0.26	13.488	16	33.1	18.14	16	33.1	A0		16	2138	A -7 1557
63		9.2A	44 15.443	-0.0013	13	-5 29 13.64	0.021	13	0.27	15.464	16	33.6	13.99	16	33.6	K0	R	17	2286	A -5 1796
64		8.0A	44 19.819	-0.0009	13	-6 5 23.58	0.006	13	0.28	19.833	16	33.1	23.67	16	33.1	A0		17	2288	A -5 1797
65		9.0A	44 22.507	-0.0002	13	-2 39 4.46	-0.004	13	0.28	22.511	16	33.1	4.39	16	33.1	A0		17	2287	A -2 1762
66		8.5A	44 27.013	-0.0012	12	-9 6 34.57	0.008	12	0.26	27.033	16	33.1	34.70	16	33.1	G5		16	2141	A -9 1645
67		8.4A	44 35.098	-0.0002	11	-8 21 47.66	0.015	11	0.24	35.102	16	33.1	47.91	16	33.1	B8		16	2142	A -8 1551
68		9.3A	44 41.860	-0.0012	12	-8 56 50.21	0.017	12	0.26	41.881	16	33.1	50.49	16	33.1	A5		16	2144	A -8 1553
69		9.0A	44 46.068	-0.0018	13	-5 33 31.54	0.038	13	0.28	46.098	16	33.1	32.18	16	33.1	F5		17	2290	A -5 1800
70		9.1A	44 48.071	-0.0006	09	-1 56 55.36	0.005	11	0.22	48.079	17	37.0	55.43	17	37.0			21	1825	A -1 1377
71		8.8A	44 48.982	0.0005	11	-5 55 52.14	0.001	11	0.24	48.973	16	33.1	52.15	16	33.1	K0		17	2292	A -5 1803
72		8.9A	44 50.831	-0.0024	13	-2 21 37.44	0.005	13	0.28	50.873	16	33.1	37.53	16	33.1	A2		17	2291	A -2 1766
73		9.0A	44 52.970	-0.0013	09	-1 14 57.19	-0.020	11	0.21	52.986	17	37.5	56.94	17	37.5	A0		21	1827	A -1 1378
74		9.0A	44 55.235	0.0004	09	-1 5 10.53	0.012	11	0.21	55.230	17	37.5	10.68	17	37.5	G0		21	1828	A -0 1431
75		9.1A	44 57.186	-0.0031	13	-8 32 9.48	-0.019	13	0.28	57.238	16	33.1	9.15	16	33.1	G0		16	2146	A -8 1556
76		8.2A	45 0.505	-0.0009	12	-9 54 23.31	-0.018	12	0.26	0.520	16	33.1	22.99	16	33.1	MA		16	2147	A -9 1649
77		8.9A	45 12.240	-0.0039	13	-8 28 58.60	-0.045	12	0.27	12.305	16	33.1	57.83	16	33.1	B9		16	2148	A -8 1557
78		9.0A	45 12.589	-0.0007	09	-1 17 34.14	-0.004	11	0.21	12.598	17	37.5	34.09	17	37.5	B9		21	1830	A -1 1379
79		5.3T	45 13.787	-0.0015	07	-8 56 32.90	0.002	06	0.30	13.847	12	09.4	32.96	10	09.0	K5		GC	8891	B* -8 1558
80		8.6A	45 15.055	-0.0020	09	-0 47 33.15	-0.020	11	0.21	15.081	17	37.5	32.90	17	37.5	B8		21	1832	A -0 1433
81		9.1A	45 25.829	-0.0009	09	-1 3 11.39	0.006	11	0.21	25.841	17	37.5	11.47	17	37.5	K0	R	21	1835	A -0 1435
82		8.0A	45 30.421	-0.0006	09	-4 11 44.80	0.028	09	0.22	30.431	16	33.1	45.28	16	33.1	A3		17	2294	A -4 1664
83		8.8A	45 31.834	-0.0002	12	-9 37 13.64	-0.017	12	0.26	31.836	16	33.1	13.34	16	33.1	A0		16	2150	A -9 1652
84		9.0A	45 37.035	-0.0013	09	-1 56 3.14	-0.003	11	0.21	37.052	17	37.5	3.11	17	37.5	F8	R	21	1837	A -1 1384
85		8.9A	45 38.728	0.0011	12	-6 20 13.58	0.015	12	0.26	38.707	16	33.1	13.83	16	33.1	K0		16	2151	A -6 1740
86		8.9A	45 41.621	-0.0001	12	-9 44 14.14	-0.041	12	0.26	41.622	16	33.1	13.44	16	33.1	G5		16	2152K	A -9 1653
87		5.7T	45 46.902	-0.0030	07	-1 15 42.25	-0.043	07	0.30	47.027	12	08.4	40.54	10	09.8	A5		GC	8903	-1 1386
88		8.8A	45 47.253	-0.0019	12	-9 9 20.26	0.002	12	0.26	47.285	16	33.1	20.28	16	33.1	A0		16	2153	A -9 1654
89		9.0A	45 48.684	-0.0013	09	-0 59 32.26	-0.022	11	0.21	48.700	17	37.5	31.99	17	37.5	A0		21	1839	A -0 1438
90		8.0A	45 50.335	-0.0012	09	-1 45 40.64	0.003	11	0.21	50.351	17	37.5	40.68	17	37.5	K5		21	1840	A -1 1387
91		8.7A	45 54.786	-0.0001	12	-9 56 0.41	-0.009	12	0.26	54.787	16	33.1	0.25	16	33.1	K5		16	2156	A -9 1655
92		8.1A	45 54.847	0.0001	13	-4 38 43.42	-0.016	13	0.28	54.845	16	33.1	43.15	16	33.1	A0		17	2297	A -4 1667
93		9.1A	45 55.709	-0.0039	12	-8 37 59.91	-0.005	12	0.26	55.774	16	33.1	59.81	16	33.1	K2	R	16	2155	A -8 1561
94		9.1A	45 55.880	-0.0029	12	-9 41 17.24	0.004	12	0.26	55.928	16	33.1	17.30	16	33.1	K0		16	2157	A -9 1656
95		9.3A	45 56.634	-0.0020	13	-2 8 24.25	-0.002	13	0.28	56.667	16	33.1	24.22	16	33.1	B9		17	2296	A -2 1771
96		6.7T	45 56.713	-0.0007	13	-7 41 52.14	-0.003	12	0.64	56.745	15	01.5	51.97	15	00.7	B8		GC	8905	-7 1567
97		8.5A	45 56.903	-0.0001	13	-4 19 28.30	-0.013	13	0.28	56.906	16	33.1	28.08	16	33.1	K2		17	2298	A -4 1668
98		8.5A	45 57.255	-0.0006	09	-1 36 18.38	0.004	11	0.21	57.263	17	37.5	18.43	17	37.5	K0		21	1842	A -1 1388
99		8.8A	45 57.411	-0.0008	13	-4 45 36.53	-0.009	13	0.28	57.424	16	33.1	36.38	16	33.1	G8	F	17	2299	A -4 1669
00		8.5A	45 59.549	-0.0012	12	-3 26 27.02	-0.016	12	0.26	59.569	16	33.1	26.75	16	33.1	F5		17	2300	A -3 1600

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133700

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ s	σ_μ .001"	δ_{1950} ° ′ ″	μ' ″	σ_μ .001"	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ .01"	ep.	δ_2 ″	σ' .01"	ep.	SP.	SOURCE CAT.	STAR NUMBER	DM NUMBER
1		9.0A	6 46 0.765	0.0000	12	-8 3 18.01	0.008	12	0.28	0.764	16	33.1	18.10	16	33.1	A2	16	2158	A -7 1568
2		9.0A	46 0.966	-0.0012	13	-4 49 38.81	0.001	13	0.28	0.986	16	33.1	38.83	16	33.1	G8 F	17	2301	A -4 1671
3		8.8A	46 5.901	-0.0034	13	-7 44 54.89	0.010	13	0.28	5.958	16	33.1	35.05	16	33.1	B8	16	2160	A -7 1570
4		9.0A	46 6.503	-0.0023	12	-9 36 52.50	0.006	12	0.26	6.542	16	33.1	52.59	16	33.1	K2 R	16	2161	A -9 1657
5		8.8A	46 6.879	-0.0018	12	-7 6 29.28	0.001	12	0.26	6.910	16	33.1	29.29	16	33.1	F2	16	2159	A -7 1569
6		8.7A	46 9.711	-0.0022	12	-7 21 53.58	-0.041	12	0.28	9.749	16	33.1	52.88	16	33.1	K2	16	2162	A -7 1571
7		8.8A	46 13.428	-0.0006	09	-0 4 53.95	-0.007	11	0.21	13.436	17	37.5	53.86	17	37.5	K5	21	1843	A 0 1616
8		9.1A	46 14.915	-0.0082	12	-5 54 59.41	0.108	12	0.28	15.020	16	33.1	1.21	16	33.1	G5	17	2303	A -5 1608
9		9.1A	46 18.463	-0.0041	12	-7 13 33.14	0.013	12	0.28	18.531	16	33.1	33.35	16	33.1	F8	16	2164	A -7 1572
10		8.7A	46 21.617	-0.0030	12	-9 4 11.84	-0.057	11	0.25	21.668	16	33.1	10.86	16	33.1	A0	16	2165	A -8 1565
11		8.5A	46 25.055	-0.0027	13	-8 15 10.28	-0.000	13	0.28	25.100	16	33.1	10.27	16	33.1	A0	16	2166	A -8 1567
12		8.7A	46 29.348	-0.0011	13	-4 38 25.51	-0.002	13	0.28	29.387	16	33.1	25.48	16	33.1	A2	17	2305	A -4 1676
13		8.7A	46 30.699	-0.0003	13	-3 29 22.33	0.005	13	0.28	30.703	16	33.1	22.42	16	33.1	K0	17	2304	A -3 1605
14		9.0A	46 36.094	-0.0008	13	-4 23 52.48	0.000	13	0.28	36.108	16	33.1	52.48	16	33.1	B9	17	2306	A -4 1678
15		8.2A	46 36.822	0.0005	12	-9 44 41.07	-0.012	12	0.26	36.817	16	33.1	40.86	16	33.1	K0	16	2167	A -9 1689
16		8.3A	46 36.957	-0.0016	09	-0 23 40.20	-0.013	11	0.21	36.977	17	37.5	40.03	17	37.5	G5	21	1845	A -0 1446
17		9.0A	46 42.270	-0.0008	11	-3 16 18.07	0.035	11	0.24	42.283	16	33.1	18.67	16	33.1	K0	17	2307	A -3 1606
18		5.6H	46 45.255	-0.0009	02	-2 12 50.53	-0.000	03	0.08	45.276	04	26.2	50.52	04	24.2	A0	F4	1179	A -2 1776
19		9.0A	46 48.910	-0.0012	13	-7 57 57.47	0.008	13	0.28	48.930	16	33.1	57.60	16	33.1	A0	16	2169	A -7 1575
20		8.7A	46 49.433	0.0008	12	-6 27 31.87	-0.014	12	0.26	49.417	16	33.1	51.63	16	33.1	G5	16	2168	A -6 1752
21		9.1A	46 52.077	-0.0013	09	-0 29 42.09	-0.031	11	0.21	52.093	17	37.5	41.69	17	37.5	B9	21	1848	A -0 1448
22		9.0A	46 55.101	-0.0009	09	-0 9 5.74	-0.012	11	0.21	55.112	17	37.5	5.58	17	37.5	B9	21	1849	A -0 1449
23		9.3A	46 55.143	-0.0006	12	-7 39 59.06	0.020	12	0.26	55.153	16	33.1	59.39	16	33.1	A3	16	2170	A -7 1576
24		9.0A	46 57.257	-0.0004	11	-6 7 10.04	-0.019	11	0.24	57.263	16	33.1	9.72	16	33.1	F5	17	2309	A -6 1753
25		8.2A	47 4.823	0.0002	12	-7 4 40.23	0.032	12	0.26	4.819	16	33.1	40.76	16	33.1	K2	16	2172	A -6 1756
26		8.8A	47 5.889	0.0013	12	-6 32 16.96	0.004	12	0.26	5.867	16	33.1	17.02	16	33.1	B8	16	2173	A -6 1755
27		9.0A	47 8.102	-0.0022	12	-9 3 43.92	0.005	12	0.26	8.139	16	33.1	44.00	16	33.1	A0	16	2174	A -8 1572
28		8.8A	47 9.721	-0.0021	12	-9 8 53.08	-0.015	12	0.26	9.755	16	33.1	52.82	16	33.1	A0	16	2176	A -9 1666
29		7.8A	47 10.452	-0.0015	13	-7 21 15.13	0.004	13	0.28	10.477	16	33.1	15.19	16	33.1	K2	16	2175	A -7 1578
30		8.0A	47 12.056	-0.0011	09	-1 16 53.47	0.013	11	0.21	12.069	17	37.5	53.63	17	37.5	A0	21	1851	A -1 1395
31		9.2A	47 12.197	0.0004	12	-9 56 0.09	-0.013	12	0.26	12.190	16	33.1	59.86	16	33.1	A0	16	2179	A -9 1668
32		9.1A	47 12.399	-0.0015	12	-9 30 13.28	-0.019	12	0.26	12.424	16	33.1	12.95	16	33.1	F8	16	2178	A -9 1667
33		9.0A	47 13.597	-0.0013	13	-6 12 55.53	-0.002	13	0.28	13.618	16	33.1	55.49	16	33.1	G5	17	2310	A -6 1758
34		8.8A	47 16.045	-0.0007	11	-9 37 20.16	0.011	11	0.24	16.057	16	33.1	20.33	16	33.1	K2 R	16	2181	A -9 1669
35		8.9A	47 19.671	-0.0003	12	-6 20 18.35	0.007	12	0.26	19.676	16	33.1	18.47	16	33.1	G5	16	2180	A -6 1759
36		9.0A	47 24.121	-0.0014	09	-2 3 45.27	0.005	11	0.21	24.138	17	37.5	45.34	17	37.5	K0 R	21	1852	A -1 1397
37		7.5A	47 28.018	-0.0015	13	-5 27 16.41	-0.001	13	0.28	28.043	16	33.1	16.39	16	33.1	B5	17	2314	A -5 1815
38		8.5A	47 28.276	-0.0026	12	-2 13 14.22	-0.004	12	0.26	28.320	16	33.1	14.15	16	33.1	B9	17	2312	A -2 1783
39		9.2A	47 28.555	-0.0000	12	-3 48 14.85	0.000	12	0.26	28.556	16	33.1	14.86	16	33.1	A2	17	2313	A -3 1612
40		9.2A	47 30.604	-0.0012	11	-8 46 18.50	-0.016	11	0.24	30.625	16	33.1	18.22	16	33.1	K0 R	16	2182	A -8 1574
41		9.2A	47 36.748	-0.0027	12	-9 11 21.59	0.004	12	0.26	36.793	16	33.1	21.65	16	33.1	A2 R	16	2183	A -9 1671
42		9.1A	47 39.989	-0.0017	09	-1 40 16.51	-0.004	11	0.21	40.010	17	37.5	16.46	17	37.5	A0	21	1856	A -1 1402
43		8.5A	47 40.159	-0.0005	13	-5 45 9.43	-0.008	13	0.28	40.167	16	33.1	9.28	16	33.1	K2	17	2315	A -5 1820
44		8.8A	47 40.654	-0.0020	11	-6 44 0.03	0.014	11	0.24	40.688	16	33.1	0.26	16	33.1	K2	16	2184	A -6 1760
45		8.9A	47 42.557	-0.0014	12	-7 44 20.03	-0.042	12	0.26	42.581	16	33.1	19.31	16	33.1	A0	16	2186	A -7 1584
46		8.9A	47 43.904	-0.0001	13	-6 5 46.74	0.010	13	0.28	43.906	16	33.1	46.90	16	33.1	A0	17	2317	A -5 1821
47		9.0A	47 45.617	0.0012	13	-3 0 42.82	-0.002	13	0.28	45.596	16	33.1	42.79	16	33.1	A5 F	17	2316K	A -2 1784
48		9.2A	47 45.920	-0.0014	13	-8 26 26.43	-0.025	13	0.28	45.943	16	33.1	26.00	16	33.1	G5 R	16	2187	A -8 1576
49		9.0A	47 46.287	-0.0011	09	-5 4 58.79	-0.011	09	0.22	46.306	16	33.1	58.61	16	33.1	K2	17	2318	A -4 1683
50		8.6A	47 52.714	-0.0013	09	-0 31 54.16	-0.052	11	0.21	52.730	17	37.5	53.51	17	37.5	A0 R	21	1858	A -0 1455
51		9.0A	6 47 53.857	-0.0009	12	-6 25 22.15	-0.015	12	0.26	53.872	16	33.1	21.90	16	33.1	F2	16	2188	A -6 1763
52		8.2A	47 54.346	-0.0010	11	-5 8 0.42	0.010	11	0.24	54.363	16	33.1	0.58	16	33.1	B6	17	2319	A -6 1764
53		9.1A	47 56.936	-0.0004	13	-8 36 30.05	-0.016	13	0.28	56.942	16	33.1	29.77	16	33.1	A5	16	2190	A -8 1577
54		9.0A	47 57.065	-0.0019	09	-0 26 55.10	-0.019	11	0.21	57.088	17	37.5	54.85	17	37.5	F8	21	1859	A -0 1458
55		9.5A	47 58.665	-0.0020	15	-3 48 58.59	0.004	15	0.30	58.700	16	33.1	58.66	16	33.1	A0 F	17	2320	
56		9.1A	48 0.619	-0.0025	13	-7 9 14.85	0.012	13	0.28	0.861	16	33.1	15.04	16	33.1	F2	16	2191	A -7 1587
57		9.2A	8.952	-0.0006	13	-7 15 15.69	-0.048	13	0.28	8.962	16	33.1	14.87	16	33.1	A0	16	2192	A -7 1591
58		6.6T	14.303	-0.0022	12	-4 12 24.45	-0.024	12	0.57	14.406	15	03.4	23.33	15	03.1	B8	GC	8953	-4 1685
59		8.8A	16.008	0.0009	12	-8 51 16.06	-0.007	12	0.26	15.992	16	33.1	15.93	16	33.1	G5 R	16	2193	A -8 1580
60		5.8T	16.647	0.0018	08	-0 28 42.90	-0.186	07	0.41	16.552	14	97.2	34.35	12	04.2	F2	GC	8954K	B* -0 1462
61		6.2T	17.803	-0.0008	12	-7 58 53.32	-0.002	11	0.63	17.844	17	95.8	53.20	17	94.9	A0P	GC	8955	-7 1592
62		8.9A	18.252	-0.0011	12	-8 49 44.32	-0.005	12	0.26	18.269	16	33.1	44.23	16	33.1	K	16	2195	A -8 1581
63		9.1A	20.216	-0.0018	12	-9 2 12.70	-0.000	12	0.26	20.246	16	33.1	12.69	16	33.1	G0 R	16	2196	A -8 1582
64		8.8A	28.349	-0.0012	13	-3 49 2.50	0.015	13	0.28	28.370	16	33.1	2.76	16	33.1	G5	17	2322	A -3 1617
65		8.2A	28.879	-0.0006	12	-4 11 59.96	0.006	12	0.26	28.889	16	33.1	0.06	16	33.1	K0	17	2323	A -4 1688
66		8.9A	28.972	-0.0015	12	-7 2 50.46	0.002	11	0.25	28.997	16	33.1	50.48	16	33.1	A0	16	2197	A -6 1771
67		8.9A	30.371	-0.0011	12	-9 39 29.40	-0.016	12	0.26	30.388	16	33.1	29.12	16	33.1	K5 R	16	2199	A -9 1677
68		8.9A	31.453	-0.0033	13	-7 52 39.92	0.012	13	0.28	31.508	16	33.1	40.11	16	33.1	F2	16	2198	A -7 1594
69		9.0A	34.027	-0.0008	09	-0 11 58.86	-0.039	11	0.21	34.037	17	37.5	58.38	17	37.5	K5 R	21	1861	A -0 1464
70		8.2A	37.790	-0.0004	13	-2 53 17.69	-0.019	13	0.28	37.797	16	33.1	17.37	16	33.1	A3	17	2324	A -2 1794
71		8.7A	39.764	-0.0005	13	-4 26 28.29	-0.007	13	0.28	39.773	16	33.1	28.18	16	33.1	K0	17	2325	A -4 1691
72		9.3A	47.260	0.0005	12	-7 2 25.25	0.046	12	0.26	47.251	16	33.1	26.02	16	33.1	G5P R	16	2201	A -6 1772
73		8.0A	48.733	-0.0021	13	-3 27 12.40	-0.010	13	0.28	48.768	16	33.1	12.23	16	33.1	B8	17	2326	A -3 1620
74		8.6A	49.679	0.0002	09	-1 53 58.95	-0.014	11	0.21	49.677	17	37.5	58.78	17	37.5	A0	21	1862	A -1 1409
75		9.0A	50.451	-0.0008	13	-4 3 10.71	0.013	13	0.28	50.464	16	33.1	10.93	16	33.1	G5	17	2327	A -3 1621
76		9.5A	52.571	-0.0014	09	-4 39 12.19	0.026	12	0.24	52.595	16	33.1	12.63	16	33.1	G5P F	17	2328	A -4 1693
77		9.0A	59.460	-0.0008	13	-6 4 57.54	0.008	13	0.28	59.470	16	33.1	57.67	16	33.1	B9	17	2330	A -5 1833
78		9.1A	0.452	0.0002	11	-9 30 55.75	-0.012	11	0.24	0.449	16	33.1	55.53	16	33.1	A0	16	2205	A -9 1682
79		8.7A	0.559	-0.0036	13	-6 29 42.13	-0.006	13	0.28	0.619	16	33.1	42.03	16	33.1	K0	16	2204	A -6 1774
80		8.8A	0.616	0.0005	13	-2 57 21.93	0.012	13	0.28	0.608	16	33.1	22.13	16	33.1	A0	17	2329	A -2 1796
81		6.6T	7.582	-0.0009	16	-6 54 21.62	-0.005	17	0.78	7.622	17	03.4	21.38	18	04.1	B9	GC	8983	B* -6 1775
82		9.0A	7.818	-0.0017	09	-1 35 31.34	0.013	11	0.21	7.839	17	37.5	31.51	17	37.5	B9	21	1869	A -1 1413
83		8.9A	8.201	-0.0005	12	-8 49 40.92	-0.036	12	0.26	8.209	16	33.1	40.30	16	33.1	K0	16	2207	A -8 1586
84		8.7A	9.094	-0.0014	13	-8 12 19.10	-0.008	13	0.28	9.118	16	33.1	18.96	16	33.1	K0	16	2208	A -8 1585
85		6.9T	10.091	-0.0015	15	-2 20 30.97	0.004	14	0.80	10.172	17	96.6	31.19	18	96.9	K2	GC	8984	-2 1798
86		9.0A	12.085	0.0006	11	-9 29 8.10	0.014	11	0.24	12.075	16	33.1	8.33	16	33.1	B9	16	2209	A -9 1685
87		9.4A	13.048	-0.0007	09	-4 7 29.14	0.002	09	0.22	13.060	16	33.1	29.17	16	33.1	B9	17	2332	A -4 1695
88		8.5A	19.660	0.0008	13	-5 25 42.70	-0.022	13	0.28	19.646	16	33.1	42.35	16	33.1	K2	17	2334	A -5 1836
89		6.9T	20.559	0.0004	13	-2 6 53.70	0.003	12	0.67	20.539	17	98.4	53.87	18	99.3	F2	GC	8986	-2 1801
90		8.8A	49 20.587	-0.0017	12	-9 17 5.50	0.019	12	0.26	20.615	16	33.1	5.81	16	33.1	B9	16	2211	A -9 1686
91		9.0A	49 21.739	-0.0013	12	-7 13 12.91	0.022	12	0.26	21.761	16	33.1	13.27	16	33.1	K5 R	16	2210	A -7 1602
92		9.0A	25.079	0.0020	13	-2 13 0.21	-0.138	13	0.27	25.046	16	33.6	57.95	16	33.6	G5 R	17	2335	A -2 1802
93		9.0A	25.983	-0.0008	09	-2 3 57.70	-0.011	11	0.21	25.993	17	37.5	57.57	17	37.5	G5 R	21	1873	A -1 1415
94		9.0A	27.311	-0.0011	09	-1 35 0.34	0.002	11	0.21	27.325	17	37.5	0.37	17	37.5	A2	21	1875	A -1 1414
95		8.9A	30.011	-0.0031	11	-7 13 29.13	-0.024	11	0.24	30.064	16	33.1	28.71	16	33.1	A	16	2212	A -7 1603
96		9.1A	31.530	0.0002	09	-0 14 38.06	-0.017	11	0.21	31.527	17	37.5	37.84	17	37.5	A0	21	1876	A -0 1467
97		9.0A	31.813	-0.0051	13	-7 13 38.11	0.006	13	0.28	31.900	16	33.1	38.20	16	33.1	A2 R	16	2213	A -7 1604
98		8.7A	36.902	-0.0004	09	-0 14 3.03	-0.001	11	0.21	36.907	17	37.5	3.01	17	37.5	B8	21	1877	A -0 1468
99		7.2A	44.782	-0.0009	12	-5 35 2.92	-0.024	13	0.27	44.796	16	33.1	2.51	16	33.1	B8	17	2337	A -5 1839
00		8.7A	49 46.050	0.0006	11	-9 28 16.44	-0.027	11	0.24	46.039	16	33.1	15.97	16	33.1	K2	16	2215	A -9 1694

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NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	EPOCH 1950 μ s	EPOCH 1950 σ_μ ″.001	EPOCH 1950 δ_{1950} ° ′ ″	EPOCH 1950 μ' ″	EPOCH 1950 σ'_μ ″.001	EPOCH 1950 σ_{1950} ″	ORIGINAL EPOCH α_2 s	ORIGINAL EPOCH σ ″.01	ORIGINAL EPOCH ep.	ORIGINAL EPOCH δ_2 ″	ORIGINAL EPOCH σ' ″.01	ORIGINAL EPOCH ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	− 00 6H DM NUMBER
1		8.9A	6 49 46.806	0.0001	09	-0 36 58.28	-0.023	11	0.21	46.804	17	37.5	58.00	17	37.5	B3	21	1880	A -0 1470
2		7.7A	49 47.082	0.0001	12	-6 24 15.43	-0.013	12	0.26	47.080	16	33.1	15.20	16	33.1	B9	16	2214	A -6 1787
3		9.0A	49 49.192	-0.0006	09	-1 21 10.32	-0.043	11	0.21	49.199	17	37.5	9.79	17	37.5	K5	21	1881	A -1 1420
4		9.0A	49 51.988	-0.0003	09	-1 20 1.03	-0.002	11	0.21	51.991	17	37.5	1.01	17	37.5	K5 R	21	1882	A -1 1421
5		6.8T	49 52.017	-0.0365	12	-5 6 43.49	-0.004	11	0.63	53.884	15	98.8	43.28	17	98.2	K2	GC	9000	B* -5 1844
6		9.0A	49 53.441	-0.0014	09	-2 17 17.94	-0.005	09	0.22	53.464	16	33.1	17.86	16	33.1	B9	17	2338	A -2 1805
7		6.5T	49 55.220	-0.0017	07	-5 15 15.58	-0.010	08	0.32	55.285	10	10.6	15.17	12	08.8	K0	GC	9001	-5 1845
8		9.1A	49 56.573	0.0002	11	-5 57 34.65	0.002	11	0.24	56.569	16	33.1	34.68	16	33.1	B8	17	2342	A -5 1846
9		8.5A	49 58.498	-0.0008	13	-3 0 6.96	-0.032	13	0.28	58.511	16	33.1	6.42	16	33.1	A0	17	2341	A -2 1806
10		9.0A	50 1.403	-0.0022	13	-6 1 39.22	-0.014	13	0.27	1.439	16	33.6	38.99	16	33.6	K0 R	17	2343	A -5 1848
11		9.0A	50 4.160	-0.0010	13	-4 18 33.39	-0.005	13	0.28	4.177	16	33.1	33.31	16	33.1	K2 F	17	2344	A -4 1703
12		9.0A	50 8.874	-0.0008	13	-5 40 18.72	-0.014	13	0.28	8.887	16	33.1	18.48	16	33.1	A2	17	2345	A -5 1850
13		8.8A	50 11.641	0.0008	09	-1 54 20.42	-0.023	11	0.21	11.631	17	37.5	20.13	17	37.5	F2	21	1883	A -1 1423
14		8.8A	50 14.044	0.0008	13	-3 37 3.33	0.004	13	0.28	14.031	16	33.1	3.40	16	33.1	B5	17	2347	A -3 1630
15		9.3A	50 14.574	-0.0014	11	-1 59 1.84	0.015	11	0.24	14.598	16	33.1	2.10	16	33.1	K0 F	17	2346	A -1 1425
16		9.0A	50 14.885	-0.0004	09	-1 39 10.91	-0.008	11	0.21	14.889	17	37.5	10.81	17	37.5	B8	21	1884	A -1 1424
17		9.0A	50 15.009	-0.0009	13	-5 22 16.67	-0.004	13	0.28	15.024	16	33.1	16.61	16	33.1	K0	17	2348	A -5 1851
18		9.2A	50 20.412	-0.0009	12	-4 42 49.07	0.007	12	0.26	20.428	16	33.1	49.19	16	33.1	F0	17	2349	A -4 1706
19		8.9A	50 23.525	-0.0026	13	-2 18 16.50	0.053	13	0.28	23.570	16	33.1	17.40	16	33.1	G5	17	2350	A -2 1808
20		8.8A	50 25.999	0.0006	13	-2 59 59.60	-0.023	13	0.28	25.989	16	33.1	59.21	16	33.1	K5	17	2351	A -2 1809
21		8.7A	50 30.753	-0.0011	11	-9 56 43.48	-0.010	11	0.24	30.772	16	33.1	43.30	16	33.1	B9	16	2222	A -9 1699
22		9.2A	50 31.280	0.0008	09	-1 49 15.98	0.012	11	0.21	31.269	17	37.5	16.14	17	37.5	A0	21	1886	A -1 1428
23		8.9A	50 35.869	-0.0009	13	-9 18 22.30	0.020	13	0.28	35.884	16	33.1	22.63	16	33.1	F2	16	2223	A -9 1700
24		8.8A	50 37.317	0.0002	13	-4 40 50.77	0.024	13	0.28	37.314	16	33.1	51.18	16	33.1	K0	17	2352	A -4 1707
25		9.0A	50 42.753	-0.0001	13	-4 30 48.57	0.000	13	0.28	42.756	16	33.1	48.57	16	33.1	NB	17	2353	A -4 1708
26		8.8A	50 43.106	-0.0005	12	-7 42 10.93	0.014	12	0.26	43.114	16	33.1	11.16	16	33.1	B8	16	2226	A -7 1614
27		8.8A	50 45.939	-0.0007	13	-5 33 14.60	-0.006	13	0.27	45.950	16	33.6	14.49	16	33.6	B8 R	17	2354	A -5 1854
28		8.3A	50 46.148	-0.0018	13	-5 53 36.41	-0.000	13	0.28	46.178	16	33.1	36.40	16	33.1	B9	17	2355	A -5 1856
29		8.5A	50 46.964	-0.0003	12	-6 41 10.15	-0.007	12	0.26	46.969	16	33.1	10.02	16	33.1	K0	16	2227	A -6 1795
30		9.5A	50 49.340	-0.0000	12	-6 53 33.18	-0.001	12	0.26	49.340	16	33.1	33.16	16	33.1	A2	16	2228	A -6 1796
31		8.6A	50 55.865	-0.0018	13	-9 37 39.48	-0.016	13	0.28	55.895	16	33.1	39.20	16	33.1	B8	16	2229	A -9 1705
32		9.0A	51 6.744	0.0011	09	-0 55 21.13	-0.010	11	0.21	6.730	17	37.5	21.01	17	37.5	G5	21	1887	A -0 1477
33		8.8A	51 9.631	0.0006	09	-0 27 33.59	-0.032	11	0.21	9.623	17	37.5	33.18	17	37.5	G0	21	1888	A -0 1476
34		9.0A	51 13.800	-0.0010	09	-0 13 52.18	-0.015	11	0.21	13.813	17	37.5	51.98	17	37.5	B8	21	1890	A -0 1478
35		9.0A	51 15.178	0.0004	12	-6 54 37.80	-0.023	12	0.26	15.170	16	33.1	37.40	16	33.1	F5	16	2230	A -6 1799
36		9.2A	51 17.030	-0.0030	12	-7 0 41.41	0.022	12	0.26	17.081	16	33.1	41.77	16	33.1	B9	16	2231	A -6 1800
37		9.1A	51 18.738	0.0001	13	-5 7 9.61	0.010	13	0.28	18.737	16	33.1	9.78	16	33.1	A3	17	2356	A -5 1860
38		8.5A	51 20.120	-0.0012	12	-9 56 20.17	-0.009	12	0.26	20.140	16	33.1	20.01	16	33.1	K5	16	2232	A -9 1710
39		8.8A	51 20.787	-0.0013	09	-0 15 1.51	-0.020	11	0.21	20.803	17	37.5	1.26	17	37.5	B9	21	1891	A -0 1479
40		6.9T	51 22.323	-0.0003	28	-9 27 6.73	-0.052	28	1.21	22.334	26	08.7	4.51	24	07.7	F5	GC	9033	-9 1711
41		9.0A	51 23.339	-0.0009	09	-0 40 7.98	-0.028	11	0.21	23.351	17	37.5	7.63	17	37.5	F5	21	1892	A -0 1480
42		8.9A	51 25.176	-0.0014	09	-0 23 25.92	-0.014	11	0.21	25.193	17	37.5	25.73	17	37.5	A0	21	1894	A -0 1481
43		8.9Q	51 25.770	-0.0041	28	-4 19 17.54	0.008	18	0.96	25.923	30	12.7	17.87	30	10.1	K5	GC	9035	-4 1713
44		8.9A	51 26.969	0.0014	13	-4 49 43.63	-0.037	13	0.28	26.946	16	33.1	43.00	16	33.1	F5	17	2359	A -4 1715
45		8.3Q	51 27.287	0.0008	10	-4 19 44.81	-0.015	07	0.43	27.253	17	06.8	44.03	17	97.8	K5	GC	9037	-4 1714
46		9.0A	51 30.107	-0.0001	13	-9 11 8.28	-0.033	13	0.28	30.108	16	33.1	7.71	16	33.1	A2	16	2235	A -9 1712
47		8.7A	51 31.297	0.0005	13	-8 1 39.75	-0.017	13	0.28	31.288	16	33.1	39.45	16	33.1	A3	16	2234	A -7 1620
48		8.9A	51 33.263	0.0002	13	-2 40 7.12	0.035	13	0.28	33.260	16	33.1	7.72	16	33.1	K0	17	2360	A -2 1816
49		9.1A	51 34.632	-0.0023	13	-9 58 27.35	-0.018	13	0.28	34.671	16	33.1	27.04	16	33.1	A0	16	2238	A -9 1714
50		8.7A	51 35.038	-0.0027	11	-6 43 35.36	-0.004	11	0.24	35.084	16	33.1	35.28	16	33.1	K0	16	2236	A -6 1802
51		8.5A	6 51 35.434	-0.0010	12	-6 51 39.01	-0.004	12	0.26	35.450	16	33.1	38.93	16	33.1	B8	16	2237	A -6 1803
52		9.0A	51 36.855	-0.0026	13	-9 58 24.30	-0.018	13	0.28	36.899	16	33.1	23.98	16	33.1	A2	16	2239	A -9 1716
53		9.0A	51 37.098	0.0012	09	-1 45 28.42	-0.068	11	0.21	37.082	17	37.5	27.57	17	37.5	G0	21	1897	A -1 1440
54		9.1A	51 39.682	-0.0007	09	-0 8 2.39	-0.006	11	0.21	39.691	17	37.5	2.31	17	37.5	A0	21	1896	A -0 1482
55		6.4T	51 41.489	-0.0017	09	-5 47 19.60	-0.003	06	0.47	41.585	17	92.7	19.38	14	84.1	A3	GC	9044K	B* -5 1863
56		8.4A	51 41.921	-0.0007	12	-8 43 6.75	-0.004	12	0.26	41.933	16	33.1	6.67	16	33.1	F0	16	2242	A -8 1604
57		9.0A	51 42.076	-0.0012	09	-0 33 56.09	-0.016	11	0.21	42.091	17	37.5	55.89	17	37.5	A2	21	1898	A -0 1484
58		8.6A	51 42.537	-0.0012	12	-7 2 48.70	-0.028	12	0.26	42.558	16	33.1	48.22	16	33.1	G5	16	2241	A -6 1804
59		9.0A	51 42.602	-0.0013	13	-9 15 56.12	-0.019	11	0.26	42.624	16	33.1	55.79	16	33.1	K0	16	2244	A -9 1717
60		9.0A	51 42.624	-0.0017	13	-3 29 51.60	-0.009	13	0.28	42.653	16	33.1	51.45	16	33.1	A0	17	2361	A -3 1638
61		9.0A	51 43.302	-0.0021	13	-6 14 4.92	-0.000	13	0.28	43.337	16	33.1	4.91	16	33.1	G5	17	2364	A -6 1805
62		8.9A	51 45.306	0.0001	12	-6 18 38.17	-0.008	12	0.26	45.304	16	33.1	38.03	16	33.1	F5	16	2243K	A -6 1806
63		9.2A	51 45.469	-0.0030	13	-2 37 32.86	-0.005	13	0.28	45.520	16	33.1	32.78	16	33.1	K0 F	17	2363	A -2 1819
64		8.0A	51 46.988	-0.0003	13	-5 57 16.98	-0.006	13	0.28	46.993	16	33.1	16.87	16	33.1	+++	17	2367	A -5 1864
65		9.0A	51 48.728	-0.0025	13	-4 12 11.29	-0.007	13	0.28	48.771	16	33.1	11.17	16	33.1	F8	17	2366	A -4 1718
66		9.0A	51 48.887	-0.0018	11	-4 50 9.69	-0.013	11	0.24	48.918	16	33.1	9.47	16	33.1	A3	17	2368	A -4 1719
67		9.1A	51 50.274	-0.0023	13	-2 40 1.73	0.018	13	0.28	50.312	16	33.1	2.04	16	33.1	B8	17	2365	A -2 1820
68		9.1A	51 50.327	-0.0011	12	-5 54 44.17	-0.000	12	0.25	50.346	16	33.3	44.17	16	33.3	K2 R	17	2369	A -5 1867
69		9.0A	51 51.179	-0.0003	09	-1 35 34.61	0.005	11	0.21	51.182	17	37.5	34.67	17	37.5	B9	21	1900	A -1 1442
70		5.3T	51 52.139	0.0004	06	-1 3 46.67	-0.013	06	0.27	52.123	12	08.8	46.17	10	11.1	A2	GC	9052	-0 1487
71		7.7A	51 52.274	-0.0017	12	-6 19 31.27	-0.016	12	0.26	52.303	16	33.1	30.99	16	33.1	B8	16	2246	A -6 1808
72		8.8A	51 52.727	-0.0006	13	-6 9 5.57	-0.028	13	0.28	52.737	16	33.1	5.09	16	33.1	K5	17	2371	A -6 1807
73		9.0A	51 53.404	-0.0010	09	-1 34 57.66	-0.019	11	0.21	53.415	17	37.5	57.43	17	37.5	B9	21	1902	A* -1 1443
74		9.2A	51 54.432	-0.0025	13	-2 42 25.76	-0.029	13	0.27	54.473	16	33.3	25.28	16	33.3	K0 R	17	2370	A -2 1821
75		8.9A	51 56.070	-0.0028	12	-7 19 55.52	0.022	12	0.26	56.115	16	33.1	55.88	16	33.1	K2	16	2248	A -7 1624
76		7.6A	51 57.046	0.0005	12	-9 32 54.14	-0.018	12	0.26	57.037	16	33.1	53.82	16	33.1	K5	16	2249	A -9 1721
77		8.7A	51 59.129	-0.0032	12	-8 55 16.44	-0.071	12	0.26	59.183	16	33.1	15.23	16	33.1	K0	16	2250	A -8 1610
78		8.2A	52 3.051	0.0004	13	-4 2 19.15	-0.002	13	0.28	3.044	16	33.1	19.12	16	33.1	A0	17	2372	A -3 1641
79		9.1A	52 3.801	-0.0006	09	-0 23 18.43	-0.020	11	0.21	3.808	17	37.5	18.17	17	37.5	A2	21	1903	A -0 1488
80		9.1A	52 9.142	0.0003	12	-9 7 21.44	-0.001	12	0.26	9.137	16	33.1	21.41	16	33.1	F0	16	2251	A -9 1723
81		6.2T	52 10.281	0.0001	11	-1 41 31.64	0.005	12	0.64	10.276	17	92.7	31.93	18	96.5	B5	GC	9063	B* -1 1446
82		8.4A	52 15.597	-0.0002	13	-6 33 19.25	0.017	13	0.28	15.599	16	33.1	19.53	16	33.1	K0	16	2252	A -6 1812
83		8.6A	52 16.568	-0.0013	09	-1 13 5.27	-0.022	11	0.21	16.584	17	37.5	5.00	17	37.5	K0	21	1905	A -1 1447
84		9.0A	52 17.516	-0.0020	09	-1 40 33.24	-0.012	11	0.21	17.541	17	37.5	33.09	17	37.5	K0 R	21	1908	A -1 1448
85		9.0A	52 17.547	-0.0004	09	-1 0 22.37	-0.009	11	0.21	17.553	17	37.5	22.26	17	37.5	A2	21	1906	A -0 1489
86		9.0A	52 21.793	-0.0003	13	-6 18 36.81	-0.009	13	0.28	21.788	16	33.1	36.66	16	33.1	B8	16	2253	A -6 1814
87		8.8A	52 22.469	-0.0014	09	-1 18 40.78	-0.021	11	0.21	22.486	17	37.5	40.52	17	37.5	B5	21	1909	A -1 1449
88		8.7A	52 25.851	-0.0012	13	-5 46 25.26	0.010	13	0.28	25.871	16	33.1	25.42	16	33.1	K5	17	2375	A -5 1868
89		9.0A	52 26.779	-0.0005	13	-3 16 29.13	-0.005	13	0.28	26.788	16	33.1	29.05	16	33.1	F0	17	2373	A -3 1642
90		6.0T	52 28.297	-0.0014	12	-2 44 19.83	0.000	07	0.55	28.375	17	94.8	19.84	14	04.2	K0	GC	9070	-2 1827
91		8.8A	52 33.680	-0.0028	13	-7 46 7.16	0.006	13	0.28	33.728	16	33.1	7.25	16	33.1	B9	16	2254	A -7 1628
92		9.1A	52 35.979	-0.0013	12	-8 48 11.68	0.001	12	0.26	36.001	16	33.1	11.69	16	33.1	G5 R	16	2257	A -8 1615
93		8.8A	52 36.101	-0.0002	13	-6 44 30.74	0.046	13	0.28	36.104	16	33.1	31.51	16	33.1	G0	16	2255	A -6 1816
94		7.8A	52 37.736	-0.0020	13	-2 24 58.67	-0.002	13	0.28	37.771	16	33.1	58.64	16	33.1	K0	17	2376	A -2 1829
95		8.0A	52 38.450	0.0004	12	-6 34 30.63	-0.037	11	0.25	38.442	16	33.1	29.99	16	33.1	K5	16	2256	A -6 1817
96		7.9A	52 43.190	-0.0022	13	-8 26 3.24	-0.017	13	0.28	43.228	16	33.1	2.94	16	33.1	B9	16	2258	A -8 1617
97		9.0A	52 47.110	-0.0012	13	-2 41 50.39	-0.004	13	0.28	47.130	16	33.1	50.32	16	33.1	G8 F	17	2377	A -2 1830
98		8.6A	52 48.783	-0.0012	12	-9 15 22.61	-0.002	12	0.26	48.803	16	33.1	22.57	16	33.1	B8	16	2261	A -9 1729
99		8.8A	52 50.090	-0.0009	12	-7 0 40.55	0.036	12	0.26	50.105	16	33.1	41.15	16	33.1	A0	16	2259	A -6 1821
00		8.0A	52 55.790	-0.0006	12	-8 34 36.77	-0.008	12	0.26	55.799	16	33.1	36.62	16	33.1	K2	16	2262	A -8 1620

133900

EPOCH 1950 — ORIGINAL EPOCH — SOURCE — − 00 6H

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	α_{1950} h m s	μ_α s	σ_{μ_α} ″.001	δ_{1950} ° ′ ″	μ_δ ″	σ_{μ_δ} ″.001	σ_{1950} ″	α_2 s	σ_{α_2} ″.01	ep.	δ_2 ″	σ_{δ_2} ″.01	ep.	SP.		CAT.	STAR NUMBER	DM NUMBER
1		8.6A	6 53 3.143	-0.0010	13	-9 35 2.98	0.011	13	0.28	3.159	16	33.1	3.16	16	33.1	B8		16	2264	A -9 1730
2		8.1A	53 7.380	-0.0004	12	-8 21 7.60	0.009	12	0.26	7.397	16	33.1	7.75	16	33.1	B8		16	2265	A -8 1625
3		9.2A	53 14.184	-0.0017	11	-5 9 43.59	-0.010	11	0.24	14.193	16	33.1	43.42	16	33.1	G5		17	2378	A -5 1872
4		8.3B	53 14.870	-0.0015	12	-9 25 23.94	-0.072	09	0.52	14.933	15	07.4	20.39	19	01.0	G0		GC	9090K	-9 1733
5		8.3A	53 14.981	0.0007	12	-9 7 43.77	0.005	12	0.26	14.989	16	33.1	43.85	16	33.1	F2		16	2267	A -9 1732
6		8.8A	53 15.507	-0.0004	12	-8 53 29.74	0.001	12	0.26	15.547	16	33.1	29.75	16	33.1	M4		16	2269	A -8 1626
7		7.9A	53 22.282	-0.0006	09	-1 31 11.51	0.014	11	0.21	22.270	17	37.5	11.68	17	37.5	A2		21	1913	A -1 1458
8		8.6A	53 30.255	-0.0003	13	-3 6 31.70	0.004	13	0.28	30.260	16	33.1	31.77	16	33.1	B8		17	2340	A -2 1835
9		9.2A	53 30.480	-0.0013	12	-5 3 35.58	-0.008	12	0.26	30.502	16	33.1	35.45	16	33.1	K2	F	17	2342	A -4 1736
10		8.6A	53 31.985	0.0007	13	-3 8 11.84	-0.002	13	0.28	31.973	16	33.1	11.61	16	33.1	A0		17	2361	A -3 1650
11		9.0A	53 34.338	-0.0016	12	-5 42 43.86	-0.005	12	0.26	34.365	16	33.1	43.78	16	33.1	A0		17	2363	A -5 1873
12		9.0A	53 35.767	-0.0007	09	-0 35 7.88	-0.011	11	0.21	35.796	17	37.5	7.75	17	37.5	F0		21	1914	A -0 1500
13		8.7A	53 42.916	-0.0015	11	-8 28 49.48	-0.006	11	0.24	42.941	16	33.1	49.37	16	33.1	K0	R	16	2271	A -8 1628
14		9.0A	53 44.021	-0.0006	12	-7 3 3.85	0.016	12	0.26	44.030	16	33.1	4.11	16	33.1	B8		16	2270	A -6 1831
15		8.9A	53 47.129	-0.0004	13	-6 32 23.73	-0.007	13	0.28	47.136	16	33.1	23.60	16	33.1	B8		16	2272	A -8 1629
16		8.6A	53 49.219	-0.0042	09	-0 56 33.51	-0.008	11	0.21	49.271	17	37.5	33.41	17	37.5	K5		21	1916	A -0 1501
17		8.7A	53 49.595	-0.0010	13	-3 44 26.94	0.006	13	0.28	49.612	16	33.1	27.04	16	33.1	B3		17	2364	A -3 1651
18		9.0A	53 50.550	-0.0007	09	-0 48 19.57	-0.042	11	0.21	50.558	17	37.5	19.05	17	37.5	A0		21	1917	A -0 1502
19		9.2A	53 51.797	-0.0004	12	-9 51 1.06	-0.016	12	0.26	51.804	16	33.1	0.78	16	33.1	A0		16	2274	A -9 1735
20		9.0A	53 52.213	0.0010	11	-2 7 33.99	-0.039	13	0.26	52.197	16	33.1	33.33	16	33.1	K0		17	2365	A -2 1840
21		9.0A	54 4.359	-0.0001	09	-0 21 30.24	-0.022	11	0.21	4.360	17	37.5	29.97	17	37.5	A2		21	1921	A -0 1503
22		8.5A	54 4.562	0.0007	13	-3 43 4.03	0.007	13	0.28	4.550	16	33.1	4.15	16	33.1	K5		17	2366	A -3 1653
23		9.4A	54 7.426	0.0000	12	-8 6 44.96	-0.002	12	0.26	7.425	16	33.1	44.92	16	33.1	A2		16	2276	A -7 1636
24		6.9T	54 10.679	-0.0032	22	-8 16 2.50	-0.020	18	1.02	10.830	22	02.2	1.48	21	00.0	A3		GC	9118	-8 1632
25		9.0A	54 12.543	-0.0000	09	-0 51 3.27	-0.086	11	0.21	12.543	17	37.5	2.95	17	37.5	A0		21	1924	A -0 1505
26		9.0A	54 13.376	-0.0017	13	-6 16 19.34	-0.035	13	0.28	13.405	16	33.1	18.74	16	33.1	A3		17	2368	A -6 1636
27		8.6A	54 14.982	-0.0008	12	-8 6 58.12	0.018	12	0.26	14.995	16	33.1	58.42	16	33.1	A0		16	2279	A -7 1640
28		9.0A	54 16.073	-0.0003	13	-5 33 16.78	0.012	13	0.28	16.078	16	33.1	16.98	16	33.1	B8		17	2369	A -5 1878
29		8.5A	54 16.470	-0.0008	12	-5 35 13.40	-0.022	12	0.26	16.484	16	33.1	13.03	16	33.1	F0		17	2367	A -3 1655
30		8.3A	54 17.154	-0.0019	12	-8 43 56.88	-0.031	12	0.26	17.185	16	33.1	56.35	16	33.1	F2		16	2280K	A -8 1633
31		8.8A	54 21.139	-0.0008	13	-8 56 55.71	-0.011	13	0.28	21.152	16	33.1	55.51	16	33.1	B8		16	2281	A -8 1635
32		9.0A	54 21.929	0.0004	12	-9 43 34.11	-0.001	12	0.26	21.923	16	33.1	34.08	16	33.1	G5	R	16	2282	A -9 1739
33		7.6A	54 22.070	-0.0032	13	-3 37 30.67	-0.026	13	0.28	22.125	16	33.1	30.23	16	33.1	F0		17	2390	A -3 1657
34		8.5B	54 25.376	-0.0007	11	-5 24 44.27	0.005	07	0.47	25.407	19	06.3	44.53	18	97.6	A5		GC	9123K	B* -5 1881
35		8.5A	54 26.963	0.0038	13	-5 17 33.60	-0.096	13	0.28	26.898	16	33.1	31.98	16	33.1	K0		17	2393	A -5 1882
36		9.1A	54 29.486	-0.0007	09	-1 57 12.73	0.001	11	0.21	29.494	17	37.5	12.74	17	37.5	A2		21	1926	A -1 1470
37		6.4T	54 35.628	-0.0009	07	-8 6 42.65	-0.001	07	0.29	35.659	10	13.6	42.60	12	11.2	+++		GC	9125	B* -7 1642
38		9.0A	54 36.344	-0.0016	12	-7 45 9.43	-0.009	12	0.26	36.372	16	33.1	9.27	16	33.1	G0	R	16	2284	A -7 1643
39		9.0A	54 39.688	-0.0011	09	-0 10 21.37	-0.032	11	0.21	39.702	17	37.5	20.96	17	37.5	A2		21	1927	A -0 1507
40		9.1A	54 41.208	-0.0010	11	-2 24 50.49	-0.013	11	0.24	41.225	16	33.1	50.27	16	33.1	A2		17	2394	A -2 1844
41		8.1A	54 45.437	-0.0012	12	-8 28 29.46	-0.022	12	0.26	45.457	16	33.1	29.08	16	33.1	B3		16	2285	A -8 1639
42		8.4A	54 48.331	-0.0023	13	-8 59 48.39	-0.004	13	0.28	48.369	16	33.1	48.31	16	33.1	M0		16	2288	A -8 1641
43		9.0A	54 49.016	-0.0008	12	-4 18 13.37	0.024	12	0.26	49.025	16	33.1	13.78	16	33.1	A2		17	2395	A -4 1744
44		9.0A	54 49.559	-0.0003	13	-5 58 48.37	-0.002	13	0.28	49.564	16	33.1	48.33	16	33.1	K5		17	2397	A -5 1886
45		9.0A	54 50.883	-0.0022	09	-1 13 33.60	-0.013	11	0.21	50.911	17	37.5	33.44	17	37.5	A3		21	1929	A -1 1472
46		8.5A	54 51.589	-0.0012	13	-4 7 33.82	0.032	13	0.28	51.610	16	33.1	34.36	16	33.1	B3		17	2396	A -4 1745
47		8.9A	54 53.521	-0.0008	09	-0 3 35.82	-0.009	11	0.21	53.530	17	37.5	35.70	17	37.5	A2		21	1930	A 0 1728
48		8.6A	54 54.104	-0.0002	12	-6 5 32.29	0.027	12	0.26	54.108	16	33.1	32.74	16	33.1	K2	R	16	2289	A -5 1887
49		9.2A	54 55.038	-0.0001	13	-2 52 13.14	0.003	13	0.28	55.039	16	33.1	13.19	16	33.1	F0		17	2398	A -2 1847
50		8.4A	54 55.320	-0.0003	09	-1 18 25.64	-0.022	11	0.21	55.323	17	37.5	25.37	17	37.5	A0		21	1931	A -1 1473
51		8.7A	6 54 55.937	-0.0026	12	-5 21 6.02	0.005	13	0.27	55.984	16	33.1	6.11	16	33.1	B8		17	2399	A -5 1888
52		9.1A	54 57.803	-0.0008	12	-7 12 50.77	-0.010	12	0.26	57.817	16	33.1	50.59	16	33.1	B9		16	2291	A -7 1644
53		8.6A	54 57.898	-0.0014	12	-6 5 36.97	0.017	12	0.26	57.922	16	33.1	39.25	16	33.1	K0	R	16	2290	A -5 1889
54		8.7A	54 59.079	-0.0008	11	-8 21 45.78	0.002	11	0.24	59.093	16	33.1	45.80	16	33.1	A2		16	2293	A -8 1644
55		8.7A	55 0.146	-0.0018	13	-3 37 45.97	0.029	13	0.28	0.176	16	33.1	46.46	16	33.1	A0		17	2400	A -3 1664
56		8.9A	55 5.409	-0.0002	11	-7 22 17.66	0.002	11	0.24	5.412	16	33.1	17.68	16	33.1	G5	R	16	2294	A -7 1647
57		9.3A	55 6.026	-0.0015	09	-2 12 51.07	-0.006	09	0.22	6.052	16	33.1	50.97	16	33.1	G5	F	17	2401	A -2 1849
58		8.7A	55 11.919	-0.0018	12	-7 43 55.08	0.008	12	0.26	11.950	16	33.1	55.21	16	33.1	G5		16	2295	A -7 1649
59		9.0A	55 11.920	-0.0019	11	-5 23 10.62	-0.016	11	0.24	11.951	16	33.1	10.35	16	33.1	B8		17	2403	A -5 1892
60		9.4A	55 12.784	-0.0005	09	-2 47 44.29	-0.021	09	0.22	12.793	16	33.1	43.94	16	33.1	G8	F	17	2402	A -2 1851
61		9.4A	55 23.905	-0.0013	11	-2 38 10.63	-0.009	11	0.24	23.927	16	33.1	10.48	16	33.1	A0		17	2404	A -2 1854
62		8.6A	55 28.060	-0.0028	12	-6 23 39.50	0.036	12	0.26	28.107	16	33.1	40.10	16	33.1	A0		16	2296	A -6 1848
63		9.0A	55 41.490	0.0005	12	-9 53 14.93	-0.001	12	0.26	41.481	16	33.1	14.90	16	33.1	A2		16	2297	A -9 1755
64		8.6A	55 42.732	-0.0025	11	-8 46 46.77	-0.008	11	0.24	42.774	16	33.1	46.62	16	33.1	K2		16	2298	A -8 1649
65		7.5A	55 43.603	-0.0006	12	-8 57 32.47	0.022	12	0.26	43.613	16	33.1	32.84	16	33.1	M8		16	2299	A -8 1650
66		8.8A	55 43.855	-0.0006	13	-5 0 22.73	-0.016	13	0.28	43.865	16	33.1	22.46	16	33.1	F0		17	2405	A -4 1750
67		9.0A	55 47.472	-0.0012	09	-0 27 40.04	-0.015	11	0.21	47.487	17	37.5	39.84	17	37.5	B9		21	1935	A -0 1516
68		9.0A	55 50.172	-0.0028	09	-0 16 53.17	-0.027	11	0.21	50.206	17	37.5	52.82	17	37.5	A2		21	1936K	A -0 1517
69		9.4A	55 53.040	-0.0016	12	-7 26 18.16	0.035	12	0.26	53.067	16	33.1	18.74	16	33.1	F0		16	2301	A -7 1657
70		8.0A	55 55.523	0.0001	13	-4 27 23.01	0.014	13	0.28	55.521	16	33.1	23.25	16	33.1	A5		17	2408	A -4 1752
71		9.2A	55 55.812	0.0001	09	-2 29 56.84	0.009	09	0.22	55.811	16	33.1	56.99	16	33.1	K0	F	17	2407	A -2 1855
72		7.8A	55 57.768	-0.0021	13	-2 57 18.29	-0.012	13	0.28	57.803	16	33.1	18.09	16	33.1	B3		17	2409	A* -2 1856
73		8.9A	56 1.034	-0.0008	09	-1 33 2.96	0.000	11	0.21	1.043	17	37.5	2.96	17	37.5	A0		21	1939K	A -1 1480
74		8.5A	56 4.221	-0.0018	12	-6 26 24.09	0.022	12	0.26	4.251	16	33.1	24.46	16	33.1	G5		16	2302	A -6 1855
75		9.0A	56 5.866	-0.0006	09	-0 55 48.76	-0.007	11	0.21	5.873	17	37.5	48.68	17	37.5	B9		21	1940	A -0 1521
76		9.0A	56 6.385	0.0006	12	-6 32 15.66	0.016	11	0.25	6.375	16	33.1	15.92	16	33.1	A0		16	2304	A -6 1856
77		8.2A	56 7.178	-0.0018	13	-4 27 51.77	0.014	13	0.28	7.208	16	33.1	52.01	16	33.1	K5		17	2410	A -4 1756
78		7.6A	56 10.977	0.0023	12	-7 6 57.08	-0.055	12	0.26	10.938	16	33.1	56.14	16	33.1	G0		16	2306	A -6 1859
79		8.7B	56 11.346	0.0004	12	-9 5 53.88	-0.000	12	0.58	11.327	18	05.6	53.85	18	02.8	F2		GC	9167K	B* -8 1652
80		8.8A	56 11.992	-0.0024	13	-7 55 39.46	0.019	13	0.28	12.033	16	33.1	39.77	16	33.1	K0		16	2307	A -7 1661
81		8.8A	56 16.934	0.0007	09	-1 46 12.35	-0.013	11	0.21	16.925	17	37.5	12.19	17	37.5	K2		21	1941	A -1 1482
82		8.7A	56 18.509	-0.0003	12	-6 17 28.62	-0.017	12	0.26	18.514	16	33.1	28.33	16	33.1	K0		16	2309	A -6 1861
83		8.6A	56 18.762	-0.0012	13	-4 29 20.98	0.009	13	0.28	18.783	16	33.1	21.14	16	33.1	F0		17	2411	A -4 1759
84		8.6A	56 24.091	-0.0020	12	-9 16 15.90	-0.006	12	0.26	24.124	16	33.1	15.79	16	33.1	B8		16	2311	A -9 1765
85		9.0A	56 26.107	-0.0008	09	-0 1 9.81	-0.020	11	0.21	26.116	17	37.5	9.56	17	37.5	B9		21	1942	A 0 1742
86		8.0A	56 27.932	-0.0022	13	-3 56 56.79	0.010	13	0.28	27.969	16	33.1	56.96	16	33.1	A0		17	2412	A -3 1672
87		8.2A	56 30.922	0.0002	12	-9 58 17.91	-0.044	12	0.26	30.918	16	33.1	17.15	16	33.1	K0		16	2313	A -9 1768
88		9.0A	56 32.879	-0.0006	09	-4 18 56.37	-0.006	09	0.22	32.892	16	33.1	56.27	16	33.1	A0		17	2413	A -4 1761
89		8.7A	56 33.691	0.0013	12	-7 2 44.66	0.014	12	0.26	33.669	16	33.1	44.89	16	33.1	G5		16	2312	A -6 1862
90		9.1A	56 39.031	-0.0019	11	-3 9 37.90	-0.030	11	0.24	39.064	16	33.1	37.39	16	33.1	K5		17	2414	A -3 1674
91		9.0A	56 39.889	0.0004	11	-5 19 49.91	0.003	11	0.24	39.882	16	33.1	49.96	16	33.1	G5	F	17	2415	A -5 1899
92		8.9A	56 41.073	-0.0841	12	-7 8 31.67	-0.010	12	0.26	41.091	16	33.1	31.49	16	33.1	M0	R	16	2315	A -7 1664
93		8.8A	56 42.949	-0.0503	09	-1 28 12.32	-0.014	11	0.21	42.993	17	37.5	12.15	17	37.5	K0		21	1943	A -1 1485
94		8.8A	56 44.490	-0.0008	12	-7 2 21.26	-0.000	12	0.26	44.503	16	33.1	21.27	16	33.1	K0		16	2316	A -6 1863
95		9.0A	56 47.812	-0.0006	13	-4 32 57.27	0.005	13	0.28	47.822	16	33.1	57.36	16	33.1	K5		17	2416	A -4 1763
96		8.2A	56 51.961	-0.0010	11	-5 20 24.67	0.006	11	0.24	51.977	16	33.1	24.97	16	33.1	A0		17	2417	A -5 1900
97		9.0A	56 54.536	-0.0003	12	-7 12 20.84	-0.014	12	0.26	54.541	16	33.1	20.59	16	33.1	K0		16	2317	A -7 1667
98		8.3A	56 55.797	-0.0004	13	-7 22 48.17	-0.015	13	0.28	55.804	16	33.1	47.91	16	33.1	B8		16	2318	A -7 1668
99		8.9A	57 2.041	-0.0022	13	-7 32 24.75	0.011	13	0.28	2.078	16	33.1	24.93	16	33.1	K0	R	16	2319	A -7 1672
00		9.0A	57 2.121	-0.0009	13	-5 30 38.89	-0.014	13	0.28	2.135	16	33.1	38.65	16	33.1	B9		17	2419	A -5 1901

134000

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	EPOCH 1950 μ s	EPOCH 1950 σ_μ .001	EPOCH 1950 δ_{1950} ° ′ ″	EPOCH 1950 μ' ″	EPOCH 1950 $\sigma_{\mu'}$ .001	EPOCH 1950 σ_{1950} ″	ORIGINAL EPOCH α_2 s	ORIGINAL EPOCH σ .01	ORIGINAL EPOCH ep.	ORIGINAL EPOCH δ_2 ″	ORIGINAL EPOCH σ' .01	ORIGINAL EPOCH ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	− 0° 6H DM NUMBER
1		8.9A	6 57 5.962	-0.0017	09	-0 57 58.98	-0.023	11	0.21	5.983	17	37.5	58.70	17	37.5	A0	21	1945	A -0 1531
2		9.0A	57 7.409	-0.0019	13	-4 43 45.46	0.012	13	0.28	7.441	16	33.1	45.67	16	33.1	F2	17	2420	A -4 1766
3		9.0A	57 7.695	-0.0007	09	-0 26 32.71	-0.035	11	0.21	7.704	17	37.5	32.26	17	37.5	K5 R	21	1946	A -0 1530
4		8.7A	57 10.050	0.0015	11	-8 8 51.63	0.035	11	0.24	10.024	16	33.1	52.22	16	33.1	F5	16	2320	A -8 1657
5		9.4A	57 10.447	0.0000	09	-2 8 14.03	0.002	11	0.21	10.446	17	37.5	14.08	17	37.5	A2 R	21	1948	A -2 1867
6		8.8A	57 11.433	-0.0004	12	-9 39 7.31	0.011	12	0.26	11.440	16	33.1	7.49	16	33.1	B9	16	2322	A -9 1774
7		9.2A	57 12.350	-0.0006	12	-9 25 52.35	-0.001	12	0.26	12.360	16	33.1	52.32	16	33.1	B5	16	2323	A -9 1775
8		8.1A	57 12.885	-0.0014	12	-8 19 11.47	-0.016	12	0.26	12.909	16	33.1	11.19	16	33.1	F5	16	2321K	A -8 1656
9		9.0A	57 12.956	-0.0017	13	-4 8 45.11	0.002	13	0.28	12.985	16	33.1	45.15	16	33.1	A0	17	2422	A -4 1767
10		9.2A	57 20.904	-0.0000	09	-1 56 56.29	0.010	11	0.21	20.905	17	37.5	56.42	17	37.5	K0	21	1950	A -1 1490
11		9.0A	57 21.416	0.0013	09	-1 56 15.74	-0.017	11	0.21	21.399	17	37.5	15.53	17	37.5	K R	21	1951	A -1 1491
12		9.0A	57 22.575	-0.0015	13	-4 32 44.32	0.012	13	0.28	22.600	16	33.1	44.53	16	33.1	A2	17	2423	A -4 1769
13		9.0A	57 24.912	-0.0036	09	-0 21 39.85	-0.050	11	0.21	24.957	17	37.5	39.20	17	37.5	G5	21	1952	A -0 1533
14		9.2A	57 30.085	-0.0007	09	-1 58 57.24	-0.034	11	0.21	30.073	17	37.5	56.82	17	37.5	B8 R	21	1954	A -1 1493
15		9.0A	57 30.373	0.0014	09	-2 1 53.39	-0.008	11	0.21	30.355	17	37.5	53.29	17	37.5	A0	21	1955	A -1 1494
16		8.8A	57 30.576	-0.0018	13	-2 50 52.06	0.025	13	0.28	30.606	16	33.1	52.49	16	33.1	A2	17	2426	A -2 1869
17		9.0A	57 33.692	-0.0013	13	-3 26 53.69	0.032	13	0.28	33.714	16	33.1	54.23	16	33.1	F0	17	2427	A -3 1680
18		8.9A	57 38.567	0.0011	12	-7 4 57.63	-0.010	12	0.26	38.548	16	33.1	57.45	16	33.1	A2	16	2325	A -6 1867
19		8.8A	57 39.750	-0.0018	13	-2 46 43.76	0.010	13	0.28	39.780	16	33.1	43.93	16	33.1	K0	17	2428	A -2 1870
20		8.5A	57 40.162	0.0002	12	-8 43 47.01	-0.027	12	0.26	40.158	16	33.1	46.54	16	33.1	F0	16	2327	A -8 1659
21		8.7A	57 40.378	-0.0038	12	-6 7 11.51	-0.029	12	0.26	40.441	16	33.1	11.02	16	33.1	F2	17	2429	A -5 1907
22		9.5A	57 41.789	-0.0006	12	-5 18 26.46	0.005	12	0.26	41.799	16	33.1	26.55	16	33.1	A0	17	2431	A -5 1908
23		8.4A	57 41.891	-0.0021	13	-8 36 39.49	-0.165	13	0.28	41.927	16	33.1	36.69	16	33.1	G5	16	2328	A -8 1660
24		9.4A	57 43.286	-0.0007	13	-7 43 10.73	0.008	13	0.28	43.298	16	33.1	10.86	16	33.1	A2 R	16	2329	A -7 1683
25		9.7A	57 44.839	-0.0011	13	-2 25 27.05	-0.030	13	0.27	44.858	16	33.3	26.55	16	33.3	G5 R	17	2430	A -2 1871
26		8.8A	57 46.088	0.0010	13	-4 32 21.25	-0.003	13	0.28	46.072	16	33.1	21.20	16	33.1	K2	17	2432	A -4 1772
27		9.3A	57 47.535	0.0009	12	-8 3 32.38	-0.006	12	0.26	47.519	16	33.1	32.27	16	33.1	F0 R	16	2330	A -7 1684
28		9.0A	57 49.195	0.0008	09	-1 30 46.41	-0.027	11	0.21	49.184	17	37.5	46.07	17	37.5	A5	21	1957	A -1 1495
29		8.9A	57 50.119	-0.0002	12	-7 4 57.71	-0.005	12	0.26	50.122	16	33.1	57.61	16	33.1	F0	16	2332	A -6 1870
30		9.3A	57 50.197	0.0008	12	-6 39 13.98	-0.018	12	0.26	50.184	16	33.1	13.67	16	33.1	A0	16	2331	A -6 1869
31		6.4T	57 50.693	-0.0083	12	-5 17 49.90	0.085	11	0.61	51.127	17	97.5	54.47	15	96.2	F8	GC	9220	-5 1910
32		8.2A	57 51.356	-0.0006	13	-2 21 39.78	0.000	13	0.28	51.366	16	33.1	39.78	16	33.1	K0	17	2433	A -2 1873
33		9.0A	57 51.725	-0.0010	12	-5 58 56.27	-0.012	12	0.25	51.743	16	33.3	56.06	16	33.3	K0 R	17	2435	A -5 1911
34		7.0T	57 53.909	-0.0001	14	-5 45 21.12	-0.020	12	0.65	53.912	17	D2.1	20.15	18	D2.1	B2	GC	9222	B* -5 1912
35		8.8A	57 54.261	0.0020	09	-0 27 9.44	0.007	11	0.21	54.236	17	37.5	9.52	17	37.5	G0	21	1958	A -0 1536
36		5.8M	57 59.533	-0.0013	02	-8 20 8.84	-0.004	03	0.08	59.561	04	28.2	8.74	04	24.6	A0	F4	1181	-8 1662
37		8.5A	58 4.920	-0.0023	13	-8 47 41.60	0.004	13	0.28	4.958	16	33.1	41.66	16	33.1	B8	16	2336	A -8 1664
38		9.0A	58 5.013	-0.0002	13	-5 25 27.53	-0.016	13	0.28	5.016	16	33.1	27.26	16	33.1	K5	17	2437	A -5 1913
39		9.3A	58 13.270	-0.0024	12	-3 37 37.66	-0.013	12	0.26	13.310	16	33.1	37.44	16	33.1	K0 F	17	2438	A -3 1682
40		8.4A	58 15.409	-0.0014	12	-6 22 18.48	0.021	12	0.26	15.433	16	33.1	18.83	16	33.1	F0	16	2337	A -6 1872
41		6.4T	58 15.991	-0.0009	16	-9 7 53.91	-0.009	15	0.79	16.033	22	01.3	53.44	21	99.9	B0	GC	9236	B* -8 1667
42		8.5A	58 20.049	-0.0001	12	-9 25 49.17	0.008	12	0.26	20.050	16	33.1	49.30	16	33.1	K5	16	2339	A -9 1783
43		9.0A	58 21.307	-0.0014	12	-9 33 54.93	-0.005	12	0.26	21.330	16	33.1	54.83	16	33.1	B9	16	2340	A -9 1784
44		9.0A	58 22.350	-0.0008	13	-4 52 5.69	0.001	13	0.28	22.363	16	33.1	5.71	16	33.1	A0	17	2439	A -4 1774
45		8.4A	58 23.111	-0.0007	09	-0 35 51.29	-0.026	11	0.21	23.119	17	37.5	50.97	17	37.5	A2	21	1960	A -0 1542
46		8.9A	58 24.971	-0.0006	13	-6 51 23.57	0.005	12	0.27	24.981	16	33.1	23.65	16	33.1	A2	16	2341	A -6 1874
47		8.6A	58 27.539	-0.0006	12	-6 57 15.43	0.021	12	0.26	27.549	16	33.1	15.78	16	33.1	K5	16	2342	A -6 1875
48		8.8A	58 28.651	-0.0037	11	-8 30 57.31	-0.023	11	0.24	28.714	16	33.1	56.91	16	33.1	A3	16	2343	A -8 1668
49		7.7A	58 31.859	-0.0002	13	-3 10 49.69	0.019	12	0.27	31.862	16	33.1	50.01	16	33.1	R5	17	2440	A -3 1685
50		8.8A	58 34.861	-0.0007	09	-0 20 51.57	-0.036	11	0.21	34.869	17	37.5	51.12	17	37.5	K2	21	1962	A -0 1545
51		8.5A	6 58 35.738	-0.0011	13	-3 53 36.39	0.000	13	0.28	35.757	16	33.1	36.39	16	33.1	B9	17	2441	A -3 1686
52		9.0A	58 41.064	-0.0010	09	-0 57 31.89	-0.023	11	0.21	41.077	17	37.5	31.61	17	37.5	B9	21	1965	A -0 1547
53		9.0A	58 44.206	-0.0003	11	-5 0 41.60	-0.007	11	0.24	44.219	16	33.1	41.48	16	33.1	K0	17	2443	A -4 1779
54		8.4A	58 44.251	-0.0012	13	-8 12 54.25	-0.011	13	0.28	44.270	16	33.1	54.05	16	33.1	B8	16	2345	A -8 1670
55		9.0A	58 45.012	-0.0006	09	-2 4 58.79	-0.007	11	0.21	45.019	17	37.5	58.71	17	37.5	M2 R	21	1966	A -1 1504
56		8.2A	58 52.976	-0.0002	13	-8 7 51.72	0.008	13	0.28	52.980	16	33.1	51.85	16	33.1	B8	16	2347	A -8 1672
57		8.8A	58 53.110	-0.0006	12	-7 39 14.75	-0.038	12	0.26	53.121	16	33.1	14.10	16	33.1	B9	16	2346	A -7 1687
58		8.8A	58 53.119	-0.0021	11	-9 1 48.63	-0.010	11	0.24	53.155	16	33.1	48.45	16	33.1	F5 R	16	2348K	A -8 1674
59		9.1A	58 53.512	-0.0012	09	-2 4 56.03	-0.021	11	0.21	53.527	17	37.5	55.77	17	37.5	B8 R	21	1967	A -1 1506
60		8.8A	58 55.589	-0.0016	13	-9 23 30.74	-0.010	13	0.28	55.615	16	33.1	30.56	16	33.1	F0	16	2350	A -9 1790
61		7.9Q	58 56.773	-0.0004	08	-3 2 43.49	-0.009	05	0.38	56.793	15	99.2	43.00	15	93.7	B3	GC	9248K	-2 1885
62		9.0A	58 56.988	0.0041	13	-3 2 19.62	0.016	13	0.27	56.920	16	33.3	19.89	16	33.3		17	2445	A -2 1886
63		8.3A	58 57.133	-0.0011	13	-6 5 4.07	-0.032	13	0.28	57.151	16	33.1	3.52	16	33.1	A0	17	2446	A -5 1921
64		9.1A	59 3.164	-0.0052	13	-9 28 57.45	-0.002	13	0.28	3.251	16	33.1	57.41	16	33.1	F5 R	16	2353	A -9 1794
65		8.1A	59 3.489	-0.0009	13	-6 51 58.84	-0.011	13	0.28	3.504	16	33.1	58.64	16	33.1	K5	16	2351	A -6 1885
66		8.8A	59 4.439	-0.0013	09	-0 22 43.65	-0.030	11	0.21	4.455	17	37.5	43.27	17	37.5	M0 R	21	1968	A -0 1551
67		9.0A	59 4.983	-0.0018	13	-5 11 23.52	-0.003	13	0.28	5.013	16	33.1	23.47	16	33.1	K0	17	2447	A -5 1923
68		8.1A	59 7.798	-0.0056	13	-9 37 44.84	0.016	13	0.28	7.892	16	33.1	45.10	16	33.1	F2	16	2356K	A -9 1796
69		8.2A	59 8.442	-0.0030	13	-6 14 22.15	-0.012	13	0.28	8.493	16	33.1	21.94	16	33.1	B8	17	2448	A -6 1887
70		9.0A	59 13.002	-0.0004	09	-0 17 45.00	-0.029	11	0.21	13.008	17	37.5	44.63	17	37.5	B9	21	1970	A -0 1554
71		8.8A	59 13.284	-0.0015	09	-0 1 30.74	-0.030	11	0.21	13.303	17	37.5	30.36	17	37.5	A0	21	1969	A 0 1766
72		9.0A	59 18.201	-0.0060	13	-9 56 37.74	0.001	13	0.28	18.302	16	33.1	37.75	16	33.1	G0	16	2357	A -9 1801
73		6.2T	59 20.594	0.0004	10	-1 16 20.73	-0.028	11	0.59	20.573	17	95.2	19.30	18	90.1	K0	GC	9262	-1 1509
74		8.8A	59 21.118	-0.0005	09	-1 3 29.95	-0.013	11	0.21	21.125	17	37.5	29.79	17	37.5	G0	21	1972	A -0 1556
75		8.4A	59 25.018	-0.0003	12	-6 58 35.63	0.018	12	0.26	25.023	16	33.1	35.93	16	33.1	B8	16	2358	A -6 1889
76		5.4T	59 29.111	-0.0014	08	-5 36 57.93	-0.001	06	0.31	29.168	12	08.3	57.88	10	08.6	K5	GC	9269	B* -5 1926
77		8.5A	59 30.872	-0.0027	13	-9 21 44.83	-0.017	13	0.28	30.917	16	33.1	44.53	16	33.1	A0	16	2360	A -9 1803
78		8.7A	59 33.640	-0.0010	12	-6 52 45.64	0.004	12	0.26	33.656	16	33.1	45.70	16	33.1	K0	16	2359	A -6 1891
79		8.8A	59 33.759	0.0014	12	-8 14 9.99	-0.008	12	0.26	33.735	16	33.1	9.85	16	33.1	G5	16	2362	A -8 1681
80		9.2A	59 33.830	-0.0010	12	-7 37 49.51	0.013	12	0.26	33.847	16	33.1	49.72	16	33.1	G0 R	16	2361	A -7 1694
81		9.0A	59 35.052	-0.0028	13	-3 56 46.82	-0.005	13	0.28	35.099	16	33.1	46.74	16	33.1	A3	17	2450	A -3 1693
82		6.8T	59 37.181	-0.0005	13	-3 40 54.84	-0.009	15	0.71	37.207	18	00.4	54.42	19	03.0	K0	GC	9272	-3 1694
83		7.3A	59 40.590	-0.0009	13	-5 56 56.26	-0.013	13	0.28	40.608	16	33.1	56.03	16	33.1	K5	17	2452	A -5 1927
84		8.2A	59 42.294	-0.0015	12	-9 48 49.95	0.001	12	0.26	42.319	16	33.1	49.95	16	33.1	A5	16	2363	A -9 1804
85		9.0A	59 48.518	0.0001	09	-0 15 1.66	-0.024	11	0.21	48.517	17	37.5	1.35	17	37.5	A2	21	1974	A -0 1559
86		8.5A	59 49.185	-0.0016	12	-9 8 14.08	-0.013	11	0.25	49.211	16	33.1	13.85	16	33.1	A0	16	2364	A -9 1805
87		8.7A	59 50.772	-0.0021	09	-1 56 17.31	-0.032	11	0.21	50.798	17	37.5	16.91	17	37.5	K0	21	1976	A -1 1511
88		9.0A	59 53.115	-0.0022	17	-5 4 2.30	-0.013	17	0.32	53.152	16	33.1	2.08	16	33.1	A0	17	2453	A -4 1784
89		8.7A	59 55.128	-0.0015	12	-3 22 55.20	-0.004	12	0.26	55.153	16	33.1	55.15	16	33.1	A5	17	2454	A -3 1698
90		9.0A	59 55.583	0.0009	13	-3 14 52.02	0.015	13	0.28	55.568	16	33.1	52.27	16	33.1	G5	17	2455	A -3 1699
91		9.0A	59 57.597	-0.0003	09	-1 34 34.30	-0.012	11	0.21	57.600	17	37.5	34.15	17	37.5	K2 R	21	1977	A -1 1512
92		8.6A	59 58.783	-0.0035	12	-7 47 48.03	-0.035	12	0.26	58.841	16	33.1	47.43	18	33.1	F8	16	2365	A -7 1695
93		8.5A	7 0 5.416	0.0031	12	-4 33 40.16	0.003	12	0.26	5.363	16	33.1	40.23	16	33.1	K5	17	2456	A -4 1785
94		9.1A	0 9.766	-0.0012	13	-9 14 54.04	-0.001	13	0.28	9.786	16	33.1	54.01	16	33.1	A0	16	2366	A -9 1807
95		9.0A	0 11.983	-0.0006	12	-8 29 32.56	0.003	12	0.26	11.993	16	33.1	32.60	16	33.1	A0	16	2368	A -8 1693
96		8.6A	0 12.752	0.0004	12	-6 50 51.85	0.007	12	0.26	12.746	16	33.1	51.96	16	33.1	K0	16	2367	A -6 1900
97		9.3A	0 15.518	0.0013	12	-6 27 14.71	0.006	12	0.26	15.496	16	33.1	14.81	16	33.1	MA	16	2369	A -6 1901
98		8.3A	0 17.480	-0.0134	11	-6 43 15.17	-0.297	11	0.24	17.706	16	33.1	10.14	16	33.1	K5	16	2370	A -6 1902
99		8.9A	0 18.503	-0.0014	12	-7 42 17.41	0.014	12	0.26	18.527	16	33.1	17.64	16	33.1	A0	16	2371	A -7 1701
00		8.3A	0 20.633	0.0006	12	-6 56 55.42	0.014	12	0.26	20.622	16	33.1	55.65	16	33.1	F2	16	2373	A -6 1903

134100 — EPOCH 1950 — ORIGINAL EPOCH — SOURCE — 7H

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	CAT.	STAR NUMBER	DM NUMBER
1		9.0A	7 0 20.893	-0.0011	09	-2 7 36.87	-0.007	11	0.21	20.907	17	37.5	36.79	17	37.5	F0	21	1978	A -1 1514
2		8.0A	0 21.489	-0.0014	11	-8 43 38.77	-0.041	13	0.26	21.512	16	33.1	38.07	16	33.1	F8	16	2374	A -8 1698
3		8.0A	0 21.943	-0.0012	12	-8 22 42.70	-0.005	12	0.26	21.964	16	33.1	42.60	16	33.1	K2	16	2375	A -8 1699
4		8.8A	0 22.458	-0.0020	11	-9 20 28.32	0.020	11	0.24	23.501	16	33.1	28.65	16	33.1	A0	16	2377	A -9 1811
5		8.8A	0 25.486	-0.0011	12	-8 14 22.48	0.006	12	0.26	25.504	16	33.1	22.57	16	33.1	B8	16	2376	A -8 1701
6		4.9T	0 25.747	-0.0011	03	-4 9 54.91	-0.001	03	0.18	25.804	06	99.2	54.85	06	95.5	B3	GC	9293	B* -4 1788
7		8.8A	0 28.114	-0.0016	09	-1 57 24.59	-0.012	11	0.21	28.134	17	37.5	24.44	17	37.5	A2	21	1979	A -1 1516
8		8.9A	0 28.165	-0.0016	12	-8 5 16.23	0.002	13	0.27	28.192	16	33.1	16.28	16	33.1	B8	16	2378	A -8 1704
9		8.9A	0 30.469	-0.0023	11	-8 13 30.19	-0.006	11	0.24	30.528	16	33.1	30.08	16	33.1	B8 R	16	2379	A -8 1703
10		8.9A	0 37.239	-0.0016	09	-0 8 18.27	-0.020	11	0.21	37.259	17	37.5	18.01	17	37.5	K0	21	1980	A -0 1566
11		9.0A	0 37.543	-0.0016	13	-4 41 39.18	-0.007	13	0.28	37.570	16	33.1	39.08	16	33.1	A0	17	2460	A -4 1780
12		9.4A	0 41.153	-0.0008	13	-7 23 56.46	0.041	13	0.28	41.163	16	33.1	57.14	16	33.1	A0	16	2382	A -7 1705
13		9.2A	0 43.195	-0.0003	13	-7 30 12.81	-0.002	11	0.28	43.200	16	33.1	12.77	16	33.1	F0	16	2383	A -7 1706
14		8.1A	0 44.790	0.0008	12	-6 48 55.86	-0.007	12	0.26	44.776	16	33.1	55.73	16	33.1	K5	16	2384	A -6 1904
15		8.9A	0 47.543	0.0004	09	-1 59 1.32	-0.030	11	0.21	47.537	17	37.5	0.95	17	37.5	A2	21	1982	A -1 1517
16		9.0A	0 48.143	-0.0002	13	-3 56 36.56	0.013	13	0.28	48.146	16	33.1	36.78	16	33.1	K5	17	2462	A -3 1704
17		8.9A	0 50.071	-0.0017	13	-9 30 47.30	-0.001	13	0.28	50.099	16	33.1	47.27	16	33.1	A0	16	2386	A -9 1814
18		9.1A	0 50.984	-0.0018	13	-8 25 50.80	0.011	13	0.28	50.994	16	33.1	50.98	16	33.1	A	16	2385	A -8 1711
19		7.9G	0 55.021	-0.0021	10	-2 57 2.64	-0.015	09	0.51	55.125	14	00.7	1.92	15	00.9	A3	GC	9305	-2 1899
20		8.4A	0 55.556	-0.0009	13	-9 29 8.04	-0.009	13	0.28	55.571	16	33.1	7.88	16	33.1	K0	16	2387	A -9 1816
21		8.3G	0 57.753	-0.0016	07	-4 11 29.64	-0.008	07	0.38	57.839	15	97.0	29.21	15	96.9	K0	GC	9308	-4 1793
22		9.0A	0 59.365	-0.0029	13	-4 43 49.14	0.006	13	0.28	59.414	16	33.1	49.24	16	33.1	K2	17	2465	A -4 1784
23		8.3A	1 6.195	-0.0005	13	-2 23 58.07	-0.017	13	0.28	6.203	16	33.1	57.79	16	33.1	B8	17	2466	A -2 1900
24		9.0A	1 6.958	-0.0017	12	-6 36 1.47	-0.032	12	0.26	6.987	16	33.1	0.92	16	33.1	F8	16	2389	A -6 1908
25		7.5A	1 8.491	-0.0007	09	-0 28 55.58	0.007	11	0.21	8.499	17	37.5	55.66	17	37.5	B8	21	1984	A -0 1571
26		8.1A	1 9.257	0.0003	12	-6 50 38.17	-0.023	12	0.26	9.252	16	33.1	37.77	16	33.1	K2	16	2390	A -6 1911
27		9.1A	1 13.707	-0.0009	12	-7 46 16.31	0.021	12	0.26	13.722	16	33.1	16.66	16	33.1	B8	16	2391	A -7 1712
28		9.0A	1 14.940	-0.0001	09	-1 1 29.38	-0.026	11	0.21	14.941	17	37.5	29.06	17	37.5	A0	21	1986	A -0 1572
29		9.1A	1 30.440	0.0002	13	-2 18 6.21	0.026	13	0.28	30.437	16	33.1	6.65	16	33.1	A0	17	2467	A -2 1904
30		8.3A	1 31.479	-0.0001	13	-4 32 53.27	0.023	13	0.28	31.481	16	33.1	53.66	16	33.1	K5	17	2468	A -4 1797
31		9.2A	1 33.207	-0.0006	13	-7 5 25.36	0.008	13	0.28	33.217	16	33.1	25.51	16	33.1	G0 R	16	2392	A -6 1914
32		9.0A	1 35.951	-0.0011	13	-5 44 55.33	0.005	13	0.27	35.960	16	33.3	55.41	16	33.3	K0 R	17	2469	A -5 1942
33		5.9T	1 37.465	-0.0008	09	-5 14 54.44	0.007	08	0.33	37.494	12	12.1	54.70	10	13.2	K0	GC	9323	B* -5 1943
34		9.0A	1 39.745	-0.0016	09	-0 34 34.03	-0.029	11	0.21	39.764	17	37.5	33.67	17	37.5	B8	21	1991	A -0 1574
35		9.0A	1 42.591	-0.0004	13	-3 10 41.22	0.003	13	0.28	42.598	16	33.1	41.27	16	33.1	A0	17	2472	A -3 1713
36		8.8A	1 42.951	-0.0010	09	-2 1 33.40	-0.016	11	0.21	42.964	17	37.5	33.20	17	37.5	A0	21	1992	A -1 1525
37		8.9A	1 46.313	-0.0009	12	-7 48 37.09	-0.000	12	0.26	46.328	16	33.1	37.08	16	33.1	F2	16	2394	A -7 1716
38		8.9A	1 46.421	-0.0006	12	-9 34 7.17	-0.060	12	0.26	46.431	16	33.1	6.31	16	33.1	F0 R	16	2395	A -9 1823
39		9.2A	1 46.638	-0.0004	09	-0 57 21.78	-0.018	11	0.21	46.642	17	37.5	21.56	17	37.5	G0 R	21	1993	A -0 1576
40		8.6A	1 50.684	-0.0018	13	-2 58 29.26	-0.050	13	0.28	50.715	16	33.1	28.44	16	33.1	G5	17	2473K	A -2 1908
41		8.7A	1 51.630	-0.0019	12	-5 13 47.53	-0.014	12	0.26	51.661	16	33.1	47.29	16	33.1	A0	17	2474	A -5 1945
42		9.3A	1 54.697	-0.0005	13	-5 58 5.75	-0.002	13	0.28	54.706	16	33.1	5.72	16	33.1	A0	17	2475	A -5 1946
43		8.4A	1 58.593	-0.0012	12	-9 1 44.72	-0.010	12	0.26	58.614	16	33.1	44.54	16	33.1	A0	16	2398	A -8 1725
44		9.0A	2 5.958	-0.0009	13	-4 25 11.63	-0.008	13	0.28	5.973	16	33.1	11.50	16	33.1	K5	17	2476	A -4 1799
45		9.1A	2 7.489	-0.0025	13	-4 19 44.53	0.005	13	0.28	7.528	16	33.1	44.62	16	33.1	A0	17	2477	A -4 1800
46		9.1A	2 8.258	-0.0029	13	-7 12 13.16	0.036	13	0.28	8.307	16	33.1	13.76	16	33.1	A0	16	2399	A* -7 1719
47		7.4T	2 9.098	-0.0011	20	-8 21 54.62	-0.021	14	0.63	9.146	24	04.7	53.57	22	00.8	K0	GC	9334	-8 1726
48		8.9A	2 11.786	0.0009	09	-0 24 5.36	-0.090	11	0.21	11.775	17	37.5	4.73	17	37.5	F0	21	1995	A -0 1579
49		9.0A	2 12.800	0.0001	12	-4 53 39.31	-0.014	12	0.26	12.800	16	33.1	39.08	16	33.1	K2	17	2478	A -4 1802
50		8.8A	2 13.434	0.0011	12	-6 46 26.49	0.015	12	0.26	13.416	16	33.1	26.73	16	33.1	B9	16	2401	A -6 1918
51		8.8A	7 2 13.790	-0.0010	09	-1 35 46.28	-0.020	11	0.21	13.802	17	37.5	46.03	17	37.5	A0	21	1996	A -1 1533
52		9.0A	2 14.242	-0.0008	09	-1 44 36.21	-0.018	11	0.21	14.251	17	37.5	35.99	17	37.5	K5	21	1997	A -1 1534
53		8.7A	2 16.364	-0.0008	12	-8 46 10.78	0.084	12	0.26	16.377	16	33.1	11.18	16	33.1	B2	16	2402	A -8 1729
54		9.0A	2 26.781	-0.0004	09	-1 42 28.62	-0.012	11	0.21	26.785	17	37.5	28.47	17	37.5	A2	21	1998	A -1 1535
55		8.8A	2 27.099	-0.0003	12	-8 12 3.68	0.005	12	0.26	27.104	16	33.1	3.75	16	33.1	K5	16	2404	A -8 1730
56		9.0G	2 28.144	0.0011	12	-5 41 55.84	-0.013	08	0.50	28.095	19	06.9	55.14	17	97.2	A0	GC	9343K	B* -5 1954
57		9.0A	2 30.224	-0.0003	13	-5 56 25.36	-0.018	13	0.28	30.229	16	33.1	25.06	16	33.1	A0	17	2481	A -5 1955
58		8.9A	2 31.006	0.0003	13	-5 43 22.27	-0.023	13	0.28	31.000	16	33.1	21.88	16	33.1	A2	17	2482	A -5 1956
59		9.0A	2 31.253	0.0001	13	-4 29 5.87	0.018	13	0.28	31.253	16	33.1	6.17	16	33.1	A2	17	2480	A -4 1806
60		8.7A	2 34.712	-0.0008	13	-8 22 28.09	0.011	13	0.28	34.725	16	33.1	28.27	16	33.1	B9	16	2405	A -8 1732
61		8.4A	2 37.362	-0.0001	09	-0 47 20.86	-0.031	11	0.21	37.364	17	37.5	20.47	17	37.5	F5	21	2000K	A -0 1582
62		9.0A	2 41.879	-0.0006	11	-5 34 36.54	-0.002	11	0.24	41.888	16	33.1	36.50	16	33.1	A5	17	2483	A -5 1957
63		9.0A	2 43.008	-0.0015	12	-7 37 40.46	-0.000	12	0.26	43.033	16	33.1	40.45	16	33.1	B9	16	2406	A -7 1726
64		9.0A	2 47.752	-0.0003	09	-1 29 0.69	-0.022	11	0.21	47.756	17	37.5	0.42	17	37.5	A0	21	2002	A -1 1539
65		8.8A	2 53.273	-0.0010	09	-7 12 35.85	-0.001	09	0.22	53.290	16	33.1	35.83	16	33.1	K0	16	2407	A -7 1728
66		9.1A	2 55.307	0.0002	11	-7 8 10.07	0.017	11	0.24	55.304	16	33.1	10.35	16	33.1	A0	16	2408	A -6 1921
67		9.1A	2 55.990	-0.0017	13	-7 13 6.05	-0.017	13	0.28	56.019	16	33.1	5.73	16	33.1	G	R 16	2409	A -7 1729
68		9.4A	2 57.056	-0.0007	13	-5 52 4.73	0.013	12	0.25	57.067	16	33.3	4.95	16	33.3	K0	R 17	2485	A -5 1725
69		8.0A	2 57.268	0.0002	12	-8 3 22.67	-0.008	12	0.26	57.264	16	33.1	22.52	16	33.1	K0	16	2411	A -7 1731
70		9.0A	2 58.820	0.0029	09	-2 7 47.65	-0.037	11	0.21	58.784	17	37.5	47.19	17	37.5	F5	21	2004	A -1 1541
71		8.0A	2 59.716	0.0006	09	-0 42 37.19	-0.029	11	0.21	59.710	17	37.5	36.83	17	37.5	K0	21	2003	A -0 1587
72		9.0A	3 1.516	-0.0012	12	-8 55 57.65	-0.025	11	0.25	1.537	16	33.1	57.22	16	33.1	B	16	2412	A -8 1733
73		8.4A	3 5.525	-0.0022	09	-1 7 40.82	-0.020	11	0.21	5.552	17	37.5	40.57	17	37.5	K0	21	2006	A -0 1588
74		9.2A	3 5.980	0.0016	11	-4 28 8.03	-0.002	11	0.24	5.934	16	33.1	8.00	16	33.1	F8	17	2486	A -4 1810
75		8.0A	3 11.294	-0.0004	12	-8 39 6.91	-0.025	12	0.26	11.300	16	33.1	6.48	16	33.1	QE5	16	2414	A -8 1734
76		8.9A	3 11.828	-0.0018	09	-1 28 4.04	-0.028	11	0.21	11.849	17	37.5	3.69	17	37.5	B8	21	2007	A -1 1542
77		8.9A	3 18.235	-0.0002	09	-1 3 48.19	-0.020	11	0.21	18.239	17	37.5	47.94	17	37.5	A0	21	2009	A -0 1589
78		8.8A	3 19.810	-0.0003	12	-9 33 9.72	0.006	12	0.26	19.815	16	33.1	9.81	16	33.1	K0	16	2415	A -9 1835
79		7.7G	3 19.962	0.0005	09	-0 56 25.80	-0.194	10	0.49	19.938	15	01.7	16.68	15	02.9	F8	GC	9367	-0 1590
80		8.4A	3 28.688	-0.0015	12	-8 43 46.62	0.001	12	0.26	28.712	16	33.1	46.63	16	33.1	B5	16	2416	A -8 1737
81		9.2A	3 27.877	0.0002	13	-4 27 25.43	-0.023	13	0.27	27.874	16	33.3	25.05	16	33.3	K0	R 17	2487	A -4 1815
82		9.0A	3 29.948	-0.0000	09	-1 13 34.19	-0.021	11	0.21	29.948	17	37.5	33.93	17	37.5	B9	21	2011	A -1 1546
83		9.1A	3 33.315	-0.0016	13	-3 59 9.05	-0.009	13	0.28	33.342	16	33.1	8.90	16	33.1	A3	17	2488	A -3 1727
84		8.8A	3 38.241	0.0004	12	-8 28 53.22	0.005	12	0.26	38.234	16	33.1	53.29	16	33.1	K5	16	2417	A -8 1739
85		9.0A	3 39.291	-0.0013	09	-1 47 46.62	-0.018	11	0.21	39.307	17	37.5	46.40	17	37.5	F0	21	2013	A -1 1548
86		8.6A	3 41.060	-0.0014	12	-6 32 46.77	-0.013	12	0.26	41.084	16	33.1	46.54	16	33.1	MA	16	2418	A -6 1925
87		9.0A	3 41.773	-0.0007	09	-0 30 23.02	-0.057	11	0.21	41.781	17	37.5	22.31	17	37.5	F5	21	2014	A -0 1592
88		9.2A	3 47.056	-0.0010	09	-0 6 42.21	-0.035	11	0.21	47.068	17	37.5	41.76	17	37.5	A0	21	2015	A 0 1800
89		8.7A	3 47.060	-0.0011	11	-9 12 13.51	0.016	11	0.24	47.078	16	33.1	13.77	16	33.1	B8	16	2419K	A -9 1842
90		7.6A	3 57.374	-0.0013	13	-3 2 15.68	-0.013	13	0.28	57.396	16	33.1	15.46	16	33.1	B9	17	2489	A -2 1925
91		8.3A	3 58.441	-0.0000	13	-3 11 38.25	0.005	13	0.28	58.441	16	33.1	38.34	16	33.1	A5	17	2490	A -3 1732
92		9.0A	4 1.419	-0.0019	13	-6 8 47.36	-0.025	13	0.27	1.450	16	33.3	46.94	16	33.3	F2	R 17	2491	A -5 1965
93		8.7A	4 3.435	-0.0008	13	-4 51 22.88	-0.006	13	0.28	3.448	16	33.1	22.78	16	33.1	K0	17	2492	A -4 1820
94		8.9A	4 4.540	-0.0016	11	-8 59 18.00	0.001	11	0.24	4.567	16	33.1	18.01	16	33.1	A2	16	2422	A -8 1744
95		9.0A	4 4.835	-0.0013	12	-3 49 19.14	0.015	12	0.26	4.857	16	33.1	19.40	16	33.1	A2	17	2493	A -3 1733
96		9.0A	4 6.089	-0.0010	09	-2 54 17.62	-0.055	09	0.22	6.086	16	33.1	16.69	16	33.1	A0	F 17	2494	A -2 1928
97		8.5A	4 7.807	-0.0031	13	-2 36 35.83	-0.010	13	0.27	7.859	16	33.3	35.67	16	33.3	K0	R 17	2495	A -2 1929
98		8.8A	4 8.329	-0.0024	13	-3 34 22.05	0.004	13	0.28	8.370	16	33.1	22.12	16	33.1	K0	17	2496	A -3 1735
99		8.4A	4 9.998	-0.0013	13	-5 54 30.89	-0.016	13	0.28	10.021	16	33.1	30.61	16	33.1	B9	17	2497	A -5 1966
00		9.0A	4 14.284	-0.0023	13	-2 27 10.64	0.002	13	0.27	14.322	16	33.3	10,68	16	33.3	G5	R 17	2498	A -2 1930

134200

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	σ'_μ ″.001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	SOURCE CAT.	STAR NUMBER	DM NUMBER
1		8.0A	7 4 19.689	-0.0010	13	-2 40 9.71	0.000	13	0.28	19.706	16	33.1	9.71	16	33.1	B8	17	2499	A -2 1931
2		8.9A	4 23.686	-0.0012	09	-1 28 23.68	-0.024	11	0.21	23.701	17	37.5	23.38	17	37.5	F2 R	21	2018	A -1 1554
3		9.0A	4 25.357	-0.0011	12	-7 10 26.38	0.021	12	0.26	25.376	16	33.1	26.73	16	33.1	B9	16	2425	A -7 1741
4		9.1A	4 29.532	-0.0015	12	-9 58 10.84	0.003	12	0.26	29.557	16	33.1	10.88	16	33.1	K0 R	16	2427	A -9 1851
5		9.0A	4 30.496	-0.0011	09	-0 10 19.06	-0.021	11	0.21	30.509	17	37.5	18.79	17	37.5	A2	21	2019	A -0 1601
6		9.0A	4 31.128	-0.0033	12	-9 43 9.81	-0.018	12	0.26	31.184	16	33.1	9.49	16	33.1	K0	16	2428	A -9 1852
7		8.0A	4 31.697	-0.0017	13	-5 23 35.05	-0.035	13	0.28	31.725	16	33.1	34.46	16	33.1	F2	17	2500	A -5 1967
8		8.6A	4 35.859	-0.0002	12	-7 40 2.56	0.004	12	0.26	35.862	16	33.1	2.62	16	33.1	B5	16	2429	A -7 1745
9		9.0A	4 39.668	-0.0015	13	-2 33 15.84	0.002	13	0.28	39.693	16	33.1	15.88	16	33.1	K0 F	17	2501	A -2 1934
10		9.0A	4 42.407	0.0000	12	-6 57 44.57	0.017	12	0.26	42.406	16	33.1	44.85	16	33.1	K0 R	16	2430	A -6 1931
11		9.0A	4 43.281	-0.0008	11	-3 8 37.53	0.003	13	0.26	43.295	16	33.1	37.58	16	33.1	B9	17	2502	A -3 1742
12		9.0A	4 44.472	0.0006	12	-4 56 6.77	0.023	12	0.26	44.462	16	33.1	7.16	16	33.1	F2	17	2504	A -4 1827
13		9.0A	4 45.280	-0.0003	13	-5 38 39.31	-0.011	13	0.28	45.284	16	33.1	39.11	16	33.1	G5	17	2505	A -5 1970
14		8.3A	4 45.680	-0.0004	13	-2 53 10.32	0.006	13	0.28	45.687	16	33.1	10.42	16	33.1	K0	17	2503	A -2 1936
15		9.1A	4 47.959	-0.0017	12	-9 1 55.73	-0.000	12	0.26	47.988	16	33.1	55.72	16	33.1	B8	16	2431	A -8 1748
16		8.6A	4 51.060	-0.0016	09	-1 27 27.23	-0.027	11	0.21	51.080	17	37.5	26.90	17	37.5	K0	21	2020	A -1 1557
17		8.8A	4 52.399	-0.0012	11	-8 35 28.58	-0.038	11	0.24	52.419	16	33.1	27.93	16	33.1	K0	16	2432	A -8 1749
18		8.8A	4 53.553	-0.0009	09	-1 44 46.75	-0.002	11	0.21	53.564	17	37.5	46.73	17	37.5	A0	21	2021	A -1 1559
19		8.7A	4 57.678	-0.0023	12	-9 30 14.75	-0.011	12	0.26	57.716	16	33.1	14.55	16	33.1	B5	16	2434	A -9 1853
20		6.9T	4 59.262	0.0011	22	-9 54 21.66	-0.010	18	0.95	59.211	22	04.9	21.19	21	04.4	A2	GC	9408	-9 1854
21		8.7A	5 1.750	0.0009	13	-6 1 19.43	-0.021	13	0.28	1.734	16	33.1	19.07	16	33.1	A2	17	2507	A -5 1975
22		9.2A	5 2.804	-0.0007	11	-2 44 44.82	0.000	11	0.24	2.816	16	33.1	44.82	16	33.1	G8 F	17	2506	A -2 1937
23		8.7A	5 4.349	-0.0001	12	-7 43 14.46	0.004	12	0.26	4.550	16	33.1	14.52	16	33.1	K0	16	2436	A -7 1748
24		8.8A	5 7.359	0.0006	12	-9 3 10.46	0.003	12	0.26	7.349	16	33.1	10.50	16	33.1	K2 R	16	2438	A -8 1751
25		9.0A	5 7.826	0.0013	13	-7 32 3.69	0.008	13	0.28	7.805	16	33.1	3.82	16	33.1	A0	16	2437	A -7 1749
26		8.8A	5 10.923	-0.0028	13	-7 33 10.79	0.006	13	0.28	10.970	16	33.1	10.88	16	33.1	A0	16	2439	A -7 1751
27		8.5A	5 14.289	-0.0028	12	-8 59 36.35	0.030	12	0.26	14.336	16	33.1	36.85	16	33.1	K0	16	2440	A -8 1753
28		8.3A	5 16.979	-0.0002	11	-3 17 28.85	-0.003	11	0.24	16.982	16	33.1	28.80	16	33.1	MA	17	2508	A -3 1750
29		9.2A	5 17.888	-0.0009	12	-2 45 8.69	0.002	12	0.26	17.903	16	33.1	8.73	16	33.1	A0 F	17	2509	A -2 1939
30		8.8A	5 18.653	-0.0007	13	-7 53 52.03	0.014	13	0.28	18.665	16	33.1	52.26	16	33.1	K0 R	16	2441	A -7 1754
31		9.4A	5 25.603	0.0009	12	-7 2 15.06	0.003	12	0.26	25.587	16	33.1	15.10	16	33.1	A2	16	2442	A -6 1935
32		8.7A	5 26.497	-0.0004	13	-4 5 26.74	0.009	13	0.28	26.504	16	33.1	26.89	16	33.1	A0	17	2510	A -3 1751
33		9.0A	5 27.131	-0.0002	09	-0 3 27.30	-0.011	11	0.21	27.133	17	37.5	27.15	17	37.5	K0 R	21	2022	A 0 1810
34		7.7G	5 28.404	-0.0012	08	-4 35 52.55	0.004	05	0.37	28.464	15	00.9	52.77	15	94.5	F0	GC	9418K	B* -4 1830
35		8.8A	5 30.263	-0.0008	09	-0 51 35.51	-0.013	11	0.21	30.272	17	37.5	35.35	17	37.5	A0	21	2024	A -0 1608
36		8.8A	5 31.269	-0.0025	09	-1 3 5.86	-0.023	11	0.21	31.300	17	37.5	5.58	17	37.5	A0	21	2025	A -0 1609
37		9.1A	5 38.662	-0.0007	12	-7 55 51.85	-0.042	12	0.26	38.674	16	33.1	51.13	16	33.1	G0	16	2444	A -7 1756
38		8.4A	5 42.125	-0.0017	09	-3 6 42.27	0.003	09	0.22	42.154	16	33.1	42.32	16	33.1	A0	17	2512	A -2 1941
39		8.7A	5 42.499	-0.0005	13	-3 12 27.51	-0.002	13	0.28	42.508	16	33.1	27.48	16	33.1	F2	17	2513	A -3 1757
40		9.1A	5 42.864	-0.0007	09	-0 20 25.78	-0.014	11	0.21	42.873	17	37.5	25.60	17	37.5	A0	21	2026	A -0 1610
41		8.9A	5 47.441	-0.0136	12	-9 53 20.06	0.024	12	0.26	47.671	16	33.1	20.46	16	33.1	K0	16	2445	A -9 1858
42		9.0A	5 50.487	-0.0012	09	-1 12 22.30	-0.008	11	0.21	50.501	17	37.5	22.20	17	37.5	K0 R	21	2029	A -1 1563
43		9.3A	5 59.097	-0.0016	09	-0 1 57.80	-0.024	11	0.21	59.117	17	37.5	57.49	17	37.5	A2	21	2030	A 0 1817
44		8.9A	5 59.996	-0.0021	09	-1 8 40.17	-0.017	11	0.21	+ 0.022	17	37.5	39.96	17	37.5	A2	21	2032	A -0 1613
45		8.7A	6 1.819	-0.0003	12	-9 1 49.40	0.022	12	0.26	1.824	16	33.1	49.76	16	33.1	K0	16	2447	A -8 1758
46		9.2A	6 5.839	-0.0010	12	-6 33 19.95	-0.022	12	0.26	5.856	16	33.1	19.57	16	33.1	K R	16	2448	A -6 1940
47		9.1A	6 9.249	-0.0006	09	-0 27 39.69	-0.034	11	0.21	9.256	17	37.5	39.26	17	37.5	K0 R	21	2033	A -0 1615
48		9.0A	6 11.744	-0.0014	09	-5 26 44.95	-0.010	09	0.22	11.767	16	33.1	44.78	16	33.1	A2	17	2514	A -5 1984
49		8.5A	6 14.960	-0.0003	09	-1 41 48.15	-0.016	11	0.21	14.965	17	37.5	47.95	17	37.5	K0	21	2036	A -1 1565
50		8.6A	6 18.732	-0.0008	13	-3 58 35.82	-0.003	13	0.28	18.746	16	33.1	35.77	16	33.1	A0	17	2516	A -3 1762
51		8.8A	7 6 20.227	-0.0005	13	-2 37 21.58	-0.003	13	0.28	20.235	16	33.1	21.53	16	33.1	A2	17	2515	A -2 1945
52		8.7A	6 22.592	-0.0027	11	-8 17 18.90	-0.012	11	0.24	22.637	16	33.1	18.69	16	33.1	K0 R	16	2449	A -8 1759
53		8.2G	6 24.987	0.0005	09	-8 35 46.08	-0.030	06	0.41	24.964	19	06.1	44.42	18	95.7	+++	GC	9446K	B* -8 1761
54		9.5A	6 25.668	0.0004	12	-8 35 34.21	-0.036	12	0.26	25.660	16	33.1	33.59	16	33.1	A0	16	2451	A -8 1761
55		8.8A	6 32.077	-0.0006	12	-3 4 50.18	-0.001	12	0.26	32.088	16	33.1	50.16	16	33.1	A0	17	2517	A -2 1949
56		9.0A	6 34.622	-0.0013	13	-5 31 58.95	0.002	13	0.27	34.643	16	33.3	58.97	16	33.3	G0 R	17	2518	A -5 1987
57		8.6A	6 36.428	-0.0027	12	-7 51 28.93	0.028	12	0.26	36.473	16	33.1	29.39	16	33.1	A0	16	2452	A -7 1768
58		9.0A	6 40.680	-0.0003	12	-4 50 39.12	-0.010	12	0.26	40.685	16	33.1	38.95	16	33.1	A0	17	2519K	A -4 1838
59		8.7A	6 42.133	0.0004	12	-7 41 27.13	0.032	12	0.26	42.125	16	33.1	27.66	16	33.1	A0	16	2453	A -7 1770
60		8.8A	6 43.892	-0.0015	13	-3 17 12.25	0.024	13	0.28	43.917	16	33.1	12.66	16	33.1	F0	17	2520	A -3 1766
61		8.9A	6 47.136	0.0011	12	-6 22 29.57	0.039	12	0.26	47.117	16	33.1	30.22	16	33.1	A2	16	2454	A -6 1947
62		8.8A	6 49.014	-0.0017	12	-6 59 20.10	-0.011	11	0.25	49.043	16	33.1	19.91	16	33.1	K0 R	16	2456	A -6 1948
63		8.9A	6 52.561	-0.0017	13	-9 6 53.38	0.019	13	0.28	52.590	16	33.1	53.69	16	33.1	G0	16	2457	A -8 1763
64		7.3A	6 56.002	-0.0028	12	-8 12 9.45	-0.002	12	0.26	56.050	16	33.1	9.41	16	33.1	G5	16	2458	A -8 1762
65		9.1A	6 59.897	0.0038	09	-1 5 39.41	-0.085	11	0.21	59.850	17	37.5	38.35	17	37.5	G5	21	2038	A -0 1623
66		9.0A	7 1.022	-0.0004	13	-6 14 56.15	0.003	13	0.27	1.028	16	33.3	56.19	16	33.3	G0 R	17	2521	A -6 1952
67		9.1A	7 1.692	0.0002	12	-7 37 18.22	0.019	12	0.26	1.689	16	33.1	18.53	16	33.1	B5 R	16	2462	A -7 1773
68		8.7A	7 2.878	-0.0012	09	-1 16 53.76	-0.016	11	0.21	2.892	17	37.5	53.56	17	37.5	K5	21	2039	A -1 1571
69		7.9A	7 5.329	-0.0005	12	-5 57 43.19	0.027	13	0.27	5.337	16	33.1	43.64	16	33.1	F0	17	2522	A -5 1993
70		9.0A	7 7.352	-0.0012	13	-5 35 42.07	0.005	13	0.28	7.372	16	33.1	42.15	16	33.1	K5	17	2523	A -5 1994
71		8.7A	7 7.584	-0.0011	12	-6 39 2.98	0.020	12	0.26	7.602	16	33.1	3.31	16	33.1	M2 R	16	2463	A -6 1954
72		8.9A	7 10.861	-0.0019	13	-3 10 10.16	-0.004	13	0.28	10.893	16	33.1	10.09	16	33.1	K2 F	17	2524	A -3 1770
73		8.5A	7 12.155	-0.0009	12	-7 3 47.23	-0.006	12	0.26	12.170	16	33.1	47.12	16	33.1	K0	16	2464	A -6 1955
74		8.9A	7 24.968	-0.0021	13	-9 5 41.78	0.007	13	0.28	25.002	16	33.1	41.89	16	33.1	B8	16	2465	A -8 1768
75		8.2A	7 25.722	-0.0006	13	-5 39 13.15	-0.005	13	0.28	25.732	16	33.1	13.07	16	33.1	B9	17	2525	A -5 1997
76		9.0A	7 26.684	-0.0005	09	-0 39 6.63	-0.077	11	0.21	26.691	17	37.5	5.67	17	37.5	K2	21	2041	A -0 1625
77		8.6A	7 29.171	-0.0016	12	-8 14 14.64	0.015	12	0.26	29.197	16	33.1	14.89	16	33.1	G5	16	2466	A -8 1769
78		9.0A	7 37.762	-0.0005	09	-1 48 14.42	-0.015	11	0.21	37.769	17	37.5	14.24	17	37.5	A0	21	2042	A -1 1574
79		8.5A	7 40.521	-0.0011	09	-0 36 20.72	-0.033	11	0.21	40.535	17	37.5	20.31	17	37.5	A0	21	2043	A -0 1627
80		8.6A	7 40.859	-0.0002	13	-7 8 29.66	0.004	13	0.28	40.861	16	33.1	29.72	16	33.1	B9	16	2467	A -6 1958
81		9.1A	7 44.536	-0.0006	13	-2 18 23.82	-0.003	13	0.27	44.548	16	33.3	23.77	16	33.3	B2 R	17	2526	A -2 1955
82		5.0H	7 44.624	-0.0004	02	-4 9 27.36	0.214	02	0.06	44.635	03	17.3	34.76	03	15.4	K0	F4	1186	-4 1840
83		9.0A	7 45.911	-0.0022	13	-6 11 45.51	0.003	13	0.28	45.948	16	33.1	45.55	16	33.1	F5	17	2528	A -6 1962
84		8.7A	7 46.634	-0.0003	12	-6 20 23.16	-0.007	12	0.25	46.639	16	33.3	23.06	16	33.3	K5 R	16	2469	A -6 1961
85		8.4A	7 48.044	-0.0010	12	-9 15 14.01	-0.003	12	0.26	48.060	16	33.1	13.95	16	33.1	A0	16	2470	A -9 1880
86		8.1A	7 52.538	-0.0024	12	-9 13 47.26	-0.033	12	0.26	52.578	16	33.1	46.69	16	33.1	A2	16	2472	A -9 1881
87		9.1A	7 52.967	0.0000	13	-2 15 59.95	-0.012	13	0.27	52.967	16	33.3	59.75	16	33.3	K2 R	17	2529	A -2 1958
88		9.1A	7 53.416	0.0006	12	-6 58 0.31	-0.020	12	0.26	53.406	16	33.1	59.96	16	33.1	B8	16	2471	A -6 1965
89		9.0A	7 56.568	0.0001	13	-4 3 54.74	-0.009	13	0.28	56.568	16	33.1	54.59	16	33.1	K0 F	17	2531	A -3 1774
90		8.5A	7 56.806	-0.0015	09	-0 4 29.87	0.007	11	0.21	56.824	17	37.5	29.95	17	37.5	K0	21	2047	A 0 1833
91		8.2A	7 57.119	0.0001	13	-4 17 49.12	-0.003	13	0.28	57.119	16	33.1	49.07	16	33.1	K0	17	2532	A -4 1841
92		8.5A	8 7.365	-0.0024	09	-1 45 35.83	-0.007	11	0.21	7.394	17	37.5	35.75	17	37.5	A0	21	2048	A -1 1579
93		7.6A	8 8.264	-0.0003	12	-7 47 15.86	0.042	12	0.26	8.269	16	33.1	16.56	16	33.1	B9	16	2473	A -7 1783
94		9.2A	8 8.342	0.0003	13	-2 45 4.31	0.004	13	0.28	8.337	16	33.1	4.38	16	33.1	G8 F	17	2533	A -2 1962
95		8.5A	8 10.018	-0.0016	13	-4 37 59.44	0.017	13	0.28	10.046	16	33.1	59.73	16	33.1	K0	17	2534	A -4 1842
96		9.1A	8 10.740	-0.0023	09	-0 2 17.41	-0.014	11	0.21	10.768	17	37.5	17.23	17	37.5	F0	21	2049	A 0 1836
97		8.4A	8 21.567	-0.0018	13	-2 28 29.40	0.035	13	0.28	21.598	16	33.1	29.99	16	33.1	K2	17	2535	A -2 1963
98		9.0A	8 22.886	0.0007	13	-2 45 30.24	0.007	13	0.28	22.874	16	33.1	30.36	16	33.1	K0 F	17	2536	A -2 1966
99		7.6A	8 23.637	-0.0014	12	-9 15 10.14	-0.009	12	0.26	23.660	16	33.1	9.98	16	33.1	B8	16	2476	A -9 1887
00		9.3A	8 23.831	-0.0015	12	-6 46 9.15	0.017	12	0.26	23.856	16	33.1	9.43	16	33.1	A2	16	2475	A -6 1967

- 00 7H

134300

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	EPOCH 1950 μ_α s	EPOCH 1950 $\sigma_{\mu\alpha}$ ″.001	EPOCH 1950 δ_{1950} ° ′ ″	EPOCH 1950 μ_δ ″	EPOCH 1950 $\sigma_{\mu\delta}$ ″.001	EPOCH 1950 σ_{1950} ″	ORIGINAL EPOCH α_2 s	ORIGINAL EPOCH σ ″.01	ORIGINAL EPOCH ep.	ORIGINAL EPOCH δ_2 ″	ORIGINAL EPOCH σ' ″.01	ORIGINAL EPOCH ep.	SP.		SOURCE CAT.	SOURCE STAR NUMBER	− 00° 7H DM NUMBER
1		9.0A	7 8 25.832	0.0011	13	-5 43 46.61	-0.015	13	0.28	25.812	16	33.1	46.35	16	33.1	K0		17	2537	A -5 2004
2		8.8A	8 28.413	-0.0005	12	-3 47 42.22	0.008	12	0.26	28.422	16	33.1	42.36	16	33.1	F5		17	2538	A -3 1780
3		8.0A	8 28.634	-0.0012	13	-6 15 55.74	0.006	13	0.28	28.674	16	33.1	55.84	16	33.1	K2		17	2540	A -6 1968
4		8.8A	8 28.708	-0.0002	13	-4 22 0.01	0.013	13	0.28	28.711	16	33.1	0.23	16	33.1	F8		17	2539	A -4 1843
5		8.8A	8 31.746	0.0003	12	-9 22 7.92	-0.013	12	0.26	31.741	16	33.1	7.69	16	33.1	A0		16	2478	A -9 1890
6		6.6T	8 33.681	-0.0005	12	-3 48 52.47	-0.012	11	0.64	33.709	17	95.8	51.82	15	95.4	K0		GC	9500	-3 1781
7		8.7A	8 33.935	0.0009	12	-9 44 45.47	0.011	11	0.25	33.885	16	33.1	45.64	16	33.1	K0		16	2479	A -9 1891
8		8.9A	8 40.190	-0.0013	13	-5 23 3.95	-0.007	13	0.28	40.211	16	33.1	3.83	16	33.1	A0		17	2543	A -5 2006
9		7.9A	8 41.953	-0.0006	13	-4 37 11.29	-0.002	13	0.28	41.964	16	33.1	11.26	16	33.1	A0		17	2544	A -4 1845
10		8.5A	8 42.671	-0.0009	13	-2 55 4.71	0.002	13	0.28	42.686	16	33.1	4.75	16	33.1	A2		17	2542	A -2 1969
11		8.6A	8 45.880	-0.0018	12	-7 37 13.80	-0.015	12	0.26	45.910	16	33.1	13.54	16	33.1	K0		16	2480	A -7 1790
12		9.2A	8 47.421	0.0000	09	-2 11 36.06	-0.018	11	0.21	47.421	17	37.5	35.84	17	37.5	A5	R	21	2053	A -2 1970
13		9.1A	8 47.472	-0.0009	13	-3 23 33.74	0.039	13	0.28	47.485	16	33.1	34.40	16	33.1	A2		17	2545	A -3 1784
14		9.0A	8 47.927	-0.0017	09	-1 33 14.56	-0.028	11	0.21	47.949	17	37.5	14.21	17	37.5	A0		21	2051	A -1 1584
15		7.6A	8 49.134	0.0004	12	-9 5 0.98	-0.017	12	0.26	49.146	16	33.1	0.68	16	33.1	F0		16	2481	A -8 1779
16		5.4T	8 50.243	-0.0023	04	-0 13 4.59	-0.013	03	0.17	50.341	07	07.6	4.01	06	06.5	F0		GC	9505	B* -0 1634
17		8.8A	8 50.252	0.0005	09	-0 20 1.80	-0.029	11	0.21	50.248	17	37.5	1.43	17	37.5	A2		21	2052K	A -0 1633
18		8.8A	8 50.749	-0.0021	13	-4 49 28.10	-0.008	13	0.28	50.785	16	33.1	27.97	16	33.1	B8		17	2546	A -4 1846
19		8.8A	8 52.005	-0.0002	12	-6 52 3.29	0.012	12	0.26	52.008	16	33.1	3.48	16	33.1	G0		16	2482	A -6 1973
20		8.8A	8 53.637	-0.0009	12	-9 12 57.93	0.011	12	0.26	53.652	16	33.1	58.10	16	33.1	B9		16	2483	A -9 1895
21		9.1A	8 56.523	-0.0008	13	-8 5 55.99	-0.011	13	0.28	56.537	16	33.1	55.80	16	33.1	B8		16	2484	A -7 1792
22		8.5A	8 57.621	-0.0014	09	-0 56 51.38	-0.013	11	0.21	57.639	17	37.5	51.22	17	37.5	K0		21	2054	A -0 1635
23		8.8A	9 1.334	-0.0001	09	-1 56 1.92	-0.013	11	0.21	1.334	17	37.5	1.76	17	37.5	K	R	21	2055	A -1 1587
24		9.0A	9 2.118	-0.0004	13	-5 30 37.12	0.008	13	0.27	2.124	16	33.3	37.25	16	33.3	K5	R	17	2547	A -5 2008
25		8.8A	9 2.380	-0.0025	09	-1 16 12.66	-0.001	11	0.21	2.411	17	37.5	12.65	17	37.5	K5		21	2056	A -1 1586
26		9.0A	9 11.721	-0.0006	13	-4 58 7.19	0.006	13	0.28	11.731	16	33.1	7.29	16	33.1	F0		17	2548	A -4 1851
27		9.0A	9 12.828	-0.0032	13	-4 35 21.86	0.003	13	0.28	12.883	16	33.1	21.91	16	33.1	A0		17	2549K	A -4 1852
28		9.2A	9 15.870	-0.0002	13	-4 51 31.84	-0.002	13	0.28	15.874	16	33.1	31.81	16	33.1	K2	F	17	2551	A -4 1853
29		8.3A	9 16.630	0.0001	13	-4 3 10.10	0.000	13	0.28	16.628	16	33.1	10.10	16	33.1	B9		17	2550	A -3 1789
30		4.1H	9 18.620	-0.0003	01	-0 24 30.42	0.005	01	0.05	18.630	03	16.2	30.58	03	15.4	A0		F4	1187	-0 1636
31		8.5A	9 22.844	0.0001	12	-5 35 4.13	-0.002	12	0.26	22.841	16	33.1	4.09	16	33.1	K0		17	2552	A -5 2011
32		8.7A	9 28.128	-0.0006	12	-6 28 39.18	0.021	12	0.26	28.138	16	33.1	39.53	16	33.1	B9		16	2486	A -6 1978
33		8.8A	9 28.154	-0.0018	13	-2 56 53.15	0.005	13	0.28	28.185	16	33.1	53.24	16	33.1	A0		17	2553	A -2 1974
34		8.9A	9 28.171	-0.0006	11	-6 21 57.91	0.044	11	0.24	28.181	16	33.1	58.65	16	33.1	F0		16	2485	A -6 1979
35		8.8A	9 33.373	0.0005	09	-1 20 59.99	-0.008	11	0.21	33.367	17	37.5	59.89	17	37.5	A0		21	2059	A -1 1593
36		8.8A	9 33.518	-0.0004	09	-1 11 2.80	-0.010	11	0.21	33.522	17	37.5	2.30	17	37.5	K2		21	2058	A -1 1592
37		9.0A	9 33.558	-0.0017	12	-9 26 26.01	-0.000	12	0.25	33.585	16	33.3	26.00	16	33.3	A0	R	16	2490	A -8 1785
38		9.1A	9 33.901	-0.0015	11	-6 23 14.65	0.008	11	0.24	33.926	16	33.3	14.97	16	33.3	F2	R	16	2488	A -6 1980
39		9.2A	9 34.005	-0.0007	11	-6 22 18.87	0.004	11	0.24	34.016	16	33.3	18.93	16	33.3	B8	R	16	2489	A -6 1981
40		8.8A	9 35.720	-0.0006	12	-8 32 2.78	-0.015	12	0.26	35.730	16	33.1	2.52	16	33.1	F0		16	2491	A -8 1786
41		9.1A	9 40.788	0.0007	14	-1 27 32.83	-0.023	14	0.25	40.779	17	37.5	32.55	17	37.5	A2		21	2060	A* -1 1595
42		8.1G	9 42.457	-0.0006	09	-5 21 36.93	-0.009	07	0.42	42.484	15	D1.3	36.45	15	96.1	K2		GC	9531	-5 2014
43		9.0A	9 46.977	-0.0014	12	-9 50 58.79	-0.017	12	0.26	47.000	16	33.1	58.49	16	33.1	A0		16	2492	A -9 1901
44		8.8A	9 47.315	-0.0003	09	-1 41 34.28	-0.014	11	0.21	47.319	17	37.5	34.11	17	37.5	B9		21	2062	A -1 1597
45		8.3A	9 49.774	0.0008	12	-8 40 26.32	-0.025	12	0.25	49.761	16	33.3	25.89	16	33.3	K5	R	16	2493	A -8 1790
46		8.2A	9 53.232	-0.0016	11	-2 29 21.72	-0.002	11	0.24	53.259	16	33.1	21.69	16	33.1	K2		17	2556	A -2 1980
47		9.0A	9 58.265	0.0000	12	-6 33 51.53	0.015	12	0.26	58.264	16	33.1	51.78	16	33.1	K0		16	2494	A -6 1982
48		9.0A	9 59.595	0.0000	12	-7 8 53.74	-0.010	12	0.26	59.594	16	33.1	53.56	16	33.1	K0		16	2495	A -6 1983
49		8.8A	10 2.764	-0.0015	09	-0 28 28.19	-0.031	11	0.21	2.782	17	37.5	27.79	17	37.5	B9		21	2064	A -0 1640
50		9.0A	10 2.988	0.0005	09	-0 34 15.40	-0.043	11	0.21	2.982	17	37.5	14.87	17	37.5	F5		21	2065	A -0 1641
51		8.4A	7 10 3.057	-0.0006	12	-8 7 36.92	0.006	12	0.26	3.067	16	33.1	37.01	16	33.1	A0		16	2497	A -7 1802
52		8.5A	10 3.453	-0.0007	13	-2 28 28.34	0.002	13	0.28	3.466	16	33.1	28.38	16	33.1	A0		17	2559	A -2 1981
53		9.0B	10 4.061	-0.0002	09	-0 35 39.45	-0.016	05	0.37	4.070	17	D6.4	38.56	17	93.5	F5		GC	9541K	B* -0 1641
54		8.9A	10 4.247	-0.0012	13	-6 27 37.00	0.024	13	0.28	4.257	16	33.1	37.40	16	33.1	A2		16	2496	A -6 1984
55		8.7A	10 6.348	-0.0010	12	-6 41 9.74	0.011	12	0.26	6.365	16	33.1	9.92	16	33.1	A2		16	2498	A -6 1985
56		8.5A	10 6.963	-0.0019	12	-8 37 23.93	-0.034	12	0.26	6.994	16	33.1	23.34	16	33.1	F0		16	2500	A -8 1794
57		9.4A	10 9.714	-0.0013	12	-2 6 22.37	-0.010	12	0.26	9.736	16	33.1	22.21	16	33.1	A3	F	17	2560	A -1 1599
58		8.8A	10 12.059	-0.0002	12	-9 45 35.17	-0.000	12	0.26	12.063	16	33.1	35.16	16	33.1	B8		16	2501	A -9 1905
59		8.1G	10 12.137	-0.0010	09	-3 5 30.14	-0.052	06	0.40	12.182	18	D6.1	27.29	17	95.2	F5		GC	9546K	B* -2 1987
60		8.0A	10 23.562	0.0009	12	-7 3 50.55	-0.033	12	0.26	23.566	16	33.1	49.98	16	33.1	F2		16	2502K	A -6 1989
61		9.2A	10 24.264	0.0006	12	-9 37 5.43	-0.010	12	0.26	24.254	16	33.1	5.25	16	33.1	F5		16	2503K	A -9 1906
62		9.0A	10 32.411	0.0000	12	-7 50 5.45	-0.007	12	0.26	32.410	16	33.1	5.32	16	33.1	B9		16	2504	A -7 1808
63		8.8A	10 35.236	0.0025	12	-8 1 53.00	-0.039	12	0.26	35.193	16	33.1	32.33	16	33.1	G0		16	2505	A -7 1810
64		8.9A	10 37.704	0.0116	12	-7 3 25.79	-0.038	12	0.25	37.510	16	33.3	25.15	16	33.3	F8	R	16	2506	A -6 1991
65		6.7T	10 44.842	-0.0013	07	-0 10 24.48	-0.005	06	0.40	44.917	14	92.6	24.14	14	89.3	F0		GC	9556	-0 1646
66		9.0A	10 48.992	-0.0007	13	-5 55 15.50	-0.008	13	0.27	49.003	16	33.3	15.37	16	33.3	K5	R	17	2563	A -5 2023
67		9.2A	10 50.491	-0.0009	12	-6 10 49.70	0.015	12	0.25	50.506	16	33.3	49.94	16	33.3	A2	R	17	2564	A -6 1993
68		9.0A	10 50.662	0.0000	09	-1 2 4.74	-0.018	11	0.21	50.661	17	37.5	4.52	17	37.5	G5		21	2070	A -0 1647
69		8.7A	10 53.677	-0.0002	11	-7 31 7.86	0.014	11	0.24	53.680	16	33.1	8.09	16	33.1	F8		16	2509	A -7 1811
70		8.7A	10 54.484	-0.0002	12	-6 20 53.63	0.016	12	0.26	54.486	16	33.1	53.89	16	33.1	F0		16	2508	A -6 1994
71		7.6A	10 56.917	-0.0003	12	-8 46 35.62	-0.013	12	0.26	56.922	16	33.1	35.39	16	33.1	A5		16	2510	A -8 1802
72		9.0A	11 2.590	-0.0015	09	-1 59 28.35	-0.005	11	0.21	2.608	17	37.5	28.29	17	37.5	B8		21	2071	A -1 1603
73		9.3A	11 11.223	0.0001	12	-5 22 23.28	0.001	12	0.26	11.220	16	33.1	23.30	16	33.1	A0		17	2566	A -5 2026
74		9.0A	11 14.057	-0.0046	13	-4 17 18.71	0.098	13	0.28	14.136	16	33.1	20.37	16	33.1	G5		17	2567	A -4 1860
75		9.0A	11 15.946	-0.0005	13	-3 51 46.65	0.014	13	0.28	15.955	16	33.1	46.89	16	33.1	MC		17	2568	A -3 1800
76		9.0A	11 16.453	-0.0001	09	-0 10 55.15	-0.021	11	0.21	16.454	17	37.5	54.88	17	37.5	B8		21	2072	A -0 1651
77		7.8A	11 16.531	0.0003	13	-5 4 8.75	-0.018	13	0.28	16.526	16	33.1	8.45	16	33.1	+++		17	2569	A -4 1862
78		8.7A	11 17.287	-0.0002	09	-0 3 5.66	-0.021	11	0.21	17.289	17	37.5	5.39	17	37.5	F0		21	2073	A 0 1857
79		8.2B	11 18.644	0.0004	11	-8 50 20.74	-0.024	08	0.48	18.625	17	D5.8	19.52	17	00.0	A0		GC	9575K	B* -8 1805
80		8.6A	11 20.277	0.0000	13	-3 25 39.84	0.012	13	0.28	20.276	16	33.1	40.05	16	33.1	A2		17	2570	A -3 1801
81		9.0A	11 20.742	0.0003	09	-1 6 48.90	-0.013	11	0.21	20.739	17	37.5	48.74	17	37.5	A0		21	2074K	A -0 1652
82		9.0A	11 23.756	0.0002	12	-6 58 25.78	-0.005	12	0.26	23.753	16	33.1	25.69	16	33.1	K0		16	2512	A -6 2000
83		9.0A	11 25.006	-0.0009	13	-2 49 17.45	0.004	13	0.28	25.021	16	33.1	17.52	16	33.1	A0	F	17	2571	A -2 2001
84		9.1A	11 25.353	-0.0003	12	-9 27 58.41	-0.022	12	0.25	25.358	16	33.3	58.03	16	33.3	F8	R	16	2513	A -9 1911
85		8.0A	11 26.428	-0.0014	12	-3 36 15.12	0.008	12	0.26	26.452	16	33.1	15.26	16	33.1	K0		17	2572	A -3 1803
86		9.0A	11 28.701	0.0001	13	-5 52 57.77	-0.002	13	0.28	28.698	16	33.1	57.73	16	33.1	G5		17	2573	A -5 2029
87		8.8A	11 29.456	-0.0008	12	-6 33 43.03	0.017	12	0.26	29.465	16	33.1	43.31	16	33.1	G5		16	2514	A -6 2001
88		9.3A	11 30.198	-0.0003	11	-6 39 33.40	-0.004	11	0.24	30.201	16	33.3	33.32	16	33.3	G	R	16	2515	A -6 2002
89		9.2A	11 32.656	-0.0037	15	-6 11 12.14	0.013	15	0.30	32.717	16	33.3	12.35	16	33.3	K0	R	16	2516	A -6 2003
90		7.9A	11 32.935	-0.0001	12	-9 22 7.62	-0.009	12	0.26	32.936	16	33.1	7.46	16	33.1	B9		16	2517	A -9 1912
91		8.1T	11 41.596	-0.0013	13	-3 48 51.60	0.005	13	0.79	41.673	18	91.4	51.90	18	91.0	K5		GC	9589K	B* -3 1804
92		8.5A	11 46.332	0.0007	11	-9 10 11.10	-0.000	11	0.24	46.320	16	33.1	11.09	16	33.1	K5		16	2518	A -9 1916
93		8.8A	11 47.355	-0.0001	11	-8 20 27.61	-0.005	11	0.24	47.356	16	33.1	27.52	16	33.1	A0		16	2519	A -8 1810
94		9.2A	11 50.271	-0.0015	11	-9 30 29.49	-0.023	11	0.24	50.296	16	33.1	29.09	16	33.1	B9		16	2520	A -9 1918
95		6.1T	11 52.879	-0.0007	14	-9 51 37.24	0.001	14	0.81	52.915	21	95.5	37.27	19	94.4	K2		GC	9600	-9 1921
96		8.6A	11 53.415	-0.0005	12	-7 25 53.87	0.023	12	0.26	53.423	16	33.1	54.25	16	33.1	B8		16	2521	A -7 1821
97		8.8A	11 55.520	-0.0010	13	-7 17 18.68	0.010	13	0.28	55.537	16	33.1	19.04	16	33.1	A0		16	2522	A -7 1822
98		8.6A	11 56.601	0.0009	09	-1 41 19.71	-0.021	11	0.21	56.595	17	37.5	19.45	17	37.5	B9		21	2077	A -1 1610
99		9.0A	11 57.958	-0.0010	09	-1 25 51.67	-0.025	11	0.21	57.971	17	37.5	51.36	17	37.5	F5	R	21	2078	A -1 1611
00		9.5A	11 59.102	-0.0015	12	-6 7 49.03	-0.014	12	0.25	59.128	16	33.3	48.79	16	33.3	K0	R	17	2575	A -5 2032

134400

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	EPOCH 1950 μ s	EPOCH 1950 σ_μ ″.001	EPOCH 1950 δ_{1950} ° ′ ″	EPOCH 1950 μ' ″	EPOCH 1950 σ'_μ ″.001	EPOCH 1950 σ_{1950} ″	ORIGINAL EPOCH α_2 s	ORIGINAL EPOCH σ ″.01	ORIGINAL EPOCH ep.	ORIGINAL EPOCH δ_2 ″	ORIGINAL EPOCH σ' ″.01	ORIGINAL EPOCH ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	− 00° 7H DM NUMBER
1		8.6A	7 12 0.800	-0.0007	11	-7 29 21.71	0.013	11	0.24	0.812	16	33.1	21.92	16	33.1	A0	16	2525	A -7 1823
2		9.0A	12 16.230	-0.0008	12	-8 49 2.08	-0.028	12	0.26	16.244	16	33.1	1.59	16	33.1	G0	16	2529	A -8 1813
3		8.7A	12 17.003	-0.0011	12	-9 47 28.44	-0.030	12	0.26	17.020	16	33.1	27.92	16	33.1	F5	16	2530	A -9 1928
4		8.5A	12 17.843	0.0004	09	-1 17 17.18	-0.026	11	0.21	17.837	17	37.5	16.86	17	37.5	+++	21	2080	A -1 1612
5		9.0A	12 18.075	-0.0001	12	-6 32 59.16	-0.015	12	0.26	18.076	16	33.1	58.89	16	33.1	F0	16	2528	A -6 2009
6		9.0A	12 26.037	-0.0008	09	-2 0 5.66	-0.005	11	0.21	26.046	17	37.5	5.60	17	37.5	K2	21	2081	A -1 1613
7		9.1A	12 26.288	-0.0016	13	-8 46 12.89	-0.018	13	0.28	26.315	16	33.1	12.57	16	33.1	G0	16	2531	A -8 1817
8		9.0A	12 28.353	-0.0002	11	-3 3 55.93	-0.003	11	0.24	28.357	16	33.1	55.88	16	33.1	A0	17	2577	A -2 2007
9		8.0A	12 29.973	-0.0003	09	-2 44 7.84	-0.013	09	0.22	29.978	16	33.1	7.82	16	33.1	A2	17	2578	A -2 2008
10		8.9A	12 30.207	0.0000	13	-7 14 35.63	0.017	13	0.27	30.206	16	33.3	35.90	16	33.3	G5	R 16	2532	A -7 1828
11		9.1A	12 30.908	-0.0011	12	-8 58 38.67	-0.001	12	0.26	30.926	16	33.1	38.64	16	33.1	B8	16	2533	A -8 1816
12		8.3A	12 33.969	-0.0006	12	-7 35 31.47	0.023	12	0.26	33.979	16	33.1	31.85	16	33.1	B8	16	2534	A -7 1829
13		9.0A	12 37.444	-0.0002	12	-6 57 36.94	0.012	09	0.24	37.448	16	33.3	37.13	16	33.3	K0	R 16	2535	A -6 2013
14		6.5T	12 45.781	-0.0016	04	-0 4 22.96	-0.004	03	0.21	45.860	09	00.6	22.71	09	94.0	G5	GC	9622K	B* 0 1871
15		8.3A	12 46.943	-0.0005	13	-5 55 53.87	-0.012	13	0.28	46.952	16	33.1	53.67	16	33.1	G5	17	2579	A -5 2037
16		8.2A	12 54.175	0.0002	13	-4 58 31.50	-0.004	13	0.28	54.171	16	33.1	31.44	16	33.1	K0	17	2580	A -4 1873
17		9.0A	12 54.774	-0.0009	09	-1 52 7.00	-0.009	11	0.21	54.786	17	37.5	6.89	17	37.5	F0	21	2088	A -1 1617
18		8.6A	12 56.079	-0.0006	09	-1 5 4.64	-0.010	11	0.21	56.086	17	37.5	4.52	17	37.5	K0	21	2087	A -0 1656
19		8.8A	13 0.644	-0.0005	11	-8 14 7.74	-0.003	11	0.24	0.652	16	33.3	7.68	16	33.3	K5	R 16	2537	A -8 1820
20		8.1G	13 2.551	0.0002	09	-1 46 16.83	-0.043	07	0.44	2.543	15	99.8	14.54	15	96.5	G0	GC	9631K	B* -1 1618
21		8.4A	13 6.535	0.0004	12	-6 59 55.67	-0.015	12	0.26	6.529	16	33.1	55.41	16	33.1	K5	16	2538	A -6 2016
22		9.2A	13 7.208	-0.0001	13	-7 53 30.45	-0.000	12	0.26	7.209	16	33.1	30.42	16	33.1	B9	16	2539	A -7 1835
23		8.8A	13 8.516	-0.0003	09	-0 54 42.89	-0.077	11	0.21	8.520	17	37.5	41.93	17	37.5	K0	21	2091	A -0 1659
24		9.0A	13 10.709	-0.0005	14	-1 51 41.52	0.010	14	0.25	10.716	17	37.5	41.65	17	37.5	K0	R 21	2092	A* -1 1619
25		8.5A	13 11.143	-0.0014	11	-3 17 15.54	-0.002	11	0.24	11.167	16	33.1	15.51	16	33.1	K2	17	2581	A -3 1818
26		9.1A	13 24.866	0.0001	13	-3 50 1.43	0.005	13	0.28	24.864	16	33.1	1.52	16	33.1	A0	17	2582	A -3 1820
27		9.0A	13 27.008	0.0000	12	-6 40 4.61	-0.003	12	0.26	27.007	16	33.1	4.55	16	33.1	B9	16	2540	A -6 2019
28		8.7A	13 27.274	-0.0013	11	-6 30 7.41	0.007	11	0.24	27.296	16	33.1	7.52	16	33.1	K0	16	2541	A -6 2018
29		9.0A	13 27.288	-0.0019	12	-8 49 9.74	-0.003	11	0.25	27.320	16	33.3	9.68	16	33.3	K0	R 16	2542	A -8 1821
30		9.4A	13 28.763	0.0007	12	-8 34 19.97	0.010	12	0.25	28.751	16	33.3	20.13	16	33.3	G0	R 16	2543	A -8 1822
31		9.4A	13 34.199	0.0008	09	-2 9 45.15	0.014	09	0.22	34.186	16	33.1	45.39	16	33.1	B8	F 17	2583	A -2 2019
32		9.1A	13 34.283	0.0010	11	-7 5 11.44	0.013	11	0.24	34.266	16	33.1	11.65	16	33.1	F0	17	2544	A -6 2021
33		9.3A	13 39.308	-0.0009	13	-2 10 21.09	-0.080	13	0.27	39.324	16	33.3	19.76	16	33.3	G	R 17	2585	A -2 2020
34		9.3A	13 39.995	0.0025	09	-2 10 30.53	0.031	09	0.22	39.954	16	33.3	31.05	16	33.3	G	R 17	2586	A -2 2020
35		9.0A	13 41.071	0.0002	13	-5 42 54.84	-0.060	13	0.28	41.067	16	33.1	53.82	16	33.1	K2	17	2587	A -5 2044
36		8.3G	13 43.244	-0.0003	13	-9 10 50.86	-0.042	09	0.50	43.255	19	09.2	49.07	21	07.8	B8	GC	9646K	B* -9 1947
37		8.5A	13 48.534	-0.0014	12	-7 47 28.04	-0.004	12	0.26	48.558	16	33.1	27.96	16	33.1	G5	16	2547	A -7 1844
38		9.1A	13 49.174	-0.0023	11	-6 29 37.66	-0.000	11	0.24	49.213	16	33.1	37.65	16	33.1	A0	16	2546K	A -6 2024
39		8.9A	13 52.649	-0.0008	11	-2 53 33.60	0.000	11	0.24	52.662	16	33.1	33.60	16	33.1	K2	F 17	2588	A -2 2021
40		8.6A	13 53.415	0.0002	11	-8 46 33.20	-0.014	11	0.24	53.412	16	33.3	32.96	16	33.3	K5	R 16	2548	A -8 1825
41		9.2A	13 54.626	0.0019	09	-0 23 36.00	-0.064	11	0.21	54.601	17	37.5	35.19	17	37.5	K0	R 21	2094	A -0 1664
42		8.8A	13 56.953	-0.0020	13	-3 9 2.75	-0.002	13	0.28	56.988	16	33.1	2.72	16	33.1	K2	F 17	2589	A -2 2022
43		8.7A	13 57.083	0.0011	12	-6 52 10.33	0.016	12	0.26	57.064	16	33.1	10.59	16	33.1	B9	16	2549	A -6 2025
44		8.0A	14 5.620	-0.0023	13	-4 56 43.07	-0.008	13	0.28	5.659	16	33.1	42.94	16	33.1	K0	17	2590	A -4 1882
45		8.4A	14 14.073	-0.0015	09	-1 32 37.15	-0.008	11	0.21	14.092	17	37.5	37.05	17	37.5	K5	21	2096	A -1 1628
46		9.0A	14 15.242	-0.0009	09	-6 5 40.04	-0.019	09	0.22	15.256	16	33.1	39.71	16	33.1	A2	17	2591	A -5 2048
47		8.2A	14 23.238	0.0079	13	-3 37 7.40	-0.088	13	0.28	23.105	16	33.1	5.91	16	33.1	F5	17	2592	A -3 1824
48		8.8A	14 27.231	-0.0009	13	-6 14 40.24	-0.032	13	0.27	27.245	16	33.3	39.70	16	33.3	F0	R 17	2593	A -6 2028
49		9.1A	14 28.157	-0.0005	12	-6 14 28.39	-0.030	12	0.25	28.165	16	33.3	27.85	16	33.3	F0	R 16	2552	A -6 2028
50		8.8A	14 28.490	0.0000	13	-6 57 7.99	0.013	13	0.28	28.489	16	33.1	8.03	16	33.1	A0	16	2553	A -6 2029
51		8.2A	7 14 29.235	-0.0009	09	-1 29 50.93	-0.009	11	0.21	29.246	17	37.5	50.82	17	37.5	A3	21	2098	A -1 1632
52		8.3A	14 30.152	-0.0004	12	-9 38 27.71	-0.010	12	0.26	30.158	16	33.1	27.53	16	33.1	K5	16	2556	A -9 1953
53		9.0A	14 31.080	0.0012	12	-7 5 55.00	0.020	12	0.26	31.060	16	33.1	55.33	16	33.1	B9	16	2554	A -6 2030
54		8.2A	14 32.331	-0.0019	12	-7 26 11.34	-0.007	12	0.26	32.363	16	33.1	11.21	16	33.1	A3P	16	2555	A -7 1851
55		7.9A	14 34.341	-0.0007	13	-6 8 52.07	0.002	13	0.28	34.353	16	33.1	52.10	16	33.1	A2	17	2594	A -5 2050
56		8.3A	14 35.611	-0.0004	11	-8 38 37.76	-0.019	11	0.24	35.618	16	33.1	37.43	16	33.1	K0	16	2558	A -8 1828
57		8.5A	14 37.305	-0.0004	13	-4 17 26.00	0.006	13	0.28	37.312	16	33.1	26.10	16	33.1	G5	17	2595	A -4 1885
58		8.7A	14 37.782	-0.0010	11	-6 45 39.75	0.017	12	0.25	37.798	16	33.1	40.03	16	33.1	A0	16	2559	A -6 2031
59		8.7A	14 42.239	-0.0002	09	-5 49 13.40	-0.007	09	0.22	42.242	16	33.1	13.28	16	33.1	F0	17	2597	A -5 2051
60		9.0A	14 42.333	-0.0051	11	-2 39 19.18	0.057	11	0.24	42.419	16	33.1	20.15	16	33.1	G0	F 17	2596	A -2 2027
61		8.7A	14 44.597	0.0001	13	-4 42 36.55	-0.018	13	0.28	44.595	16	33.1	36.25	16	33.1	A5	17	2598	A -4 1886
62		8.9A	14 45.046	-0.0084	11	-8 9 22.60	0.068	11	0.24	45.189	16	33.1	23.74	16	33.1	G5	16	2560	A -7 1855
63		8.8A	14 46.846	0.0027	09	-1 42 1.92	-0.050	11	0.21	46.813	17	37.5	1.30	17	37.5	K0	21	2100	A -1 1635
64		8.7A	14 48.872	0.0019	13	-3 47 23.66	-0.025	13	0.28	48.840	16	33.1	23.24	16	33.1	A3	17	2599	A -3 1826
65		9.2A	14 49.692	-0.0017	14	-1 54 26.56	-0.006	14	0.25	49.713	17	37.5	26.49	17	37.5	F0	R 21	2101	A* -1 1636
66		8.8A	14 50.588	-0.0006	12	-2 35 26.35	-0.002	12	0.26	50.598	16	33.1	26.32	16	33.1	A2	17	2600	A -2 2028
67		9.0A	14 54.566	-0.0029	11	-8 57 20.47	0.003	11	0.24	54.614	16	33.1	20.51	16	33.1	K0	16	2562	A -8 1830
68		8.8A	14 56.161	0.0001	13	-2 28 9.45	0.018	13	0.28	56.160	16	33.1	9.76	16	33.1	K2	F 17	2601	A -2 2030
69		8.8A	14 59.224	-0.0021	13	-3 11 18.75	0.022	13	0.28	59.259	16	33.1	19.12	16	33.1	K0	F 17	2602	A -3 1828
70		9.0A	15 0.828	-0.0013	12	-2 47 46.52	-0.003	12	0.26	0.850	16	33.1	46.47	16	33.1	B8	F 17	2603	A -2 2031
71		9.0A	15 2.612	0.0004	13	-3 39 36.55	0.002	13	0.28	2.605	16	33.1	36.58	16	33.1	B8	F 17	2604	A -3 1829
72		9.0A	15 4.295	0.0003	13	-5 4 18.08	-0.018	13	0.28	4.289	16	33.1	17.77	16	33.1	B9	17	2606	A -4 1888
73		7.3A	15 4.307	-0.0007	13	-5 43 54.06	-0.019	13	0.28	4.319	16	33.1	53.73	16	33.1	B9	17	2607	A -5 2055
74		6.4T	15 5.384	-0.0013	07	-6 35 21.34	0.006	05	0.27	5.437	07	07.7	21.67	07	07.7	K2	GC	9698	-6 2032
75		7.9A	15 5.646	-0.0008	09	-3 39 24.80	-0.001	09	0.22	5.660	16	33.1	24.79	16	33.1	B9	17	2605	A -3 1831
76		8.8A	15 13.749	-0.0007	09	-1 27 31.71	0.000	11	0.21	13.757	17	37.5	31.71	17	37.5	B9	21	2105	A -1 1641
77		9.2A	15 17.205	-0.0005	09	-1 45 28.04	-0.036	11	0.21	17.212	17	37.5	27.60	17	37.5	A0	R 21	2106	A -1 1642
78		8.8A	15 19.811	-0.0001	09	-1 53 17.32	-0.002	11	0.21	19.811	17	37.5	17.30	17	37.5	F0	21	2107	A -1 1644
79		9.0A	15 22.908	-0.0012	09	-0 45 54.57	-0.029	11	0.21	22.924	17	37.5	54.21	17	37.5	A0	21	2108	A -0 1672
80		9.1A	15 31.057	0.0020	13	-2 27 24.82	0.033	13	0.28	31.023	16	33.1	25.38	16	33.1	B9	17	2608	A -2 2038
81		8.0A	15 32.730	0.0014	13	-3 1 23.46	-0.009	13	0.28	32.706	16	33.1	23.31	16	33.1	A0	17	2609	A -2 2039
82		8.7A	15 37.641	-0.0002	09	-0 5 12.17	-0.012	11	0.21	37.643	17	37.5	12.01	17	37.5	A0	21	2109	A 0 1891
83		9.0A	15 39.075	-0.0019	11	-3 46 51.96	0.006	11	0.24	39.107	16	33.1	52.06	16	33.1	A2	17	2610	A -3 1836
84		8.4A	15 41.498	-0.0056	09	-9 25 28.47	0.040	09	0.22	41.592	16	33.1	29.14	16	33.1	F8	16	2564	A -9 1964
85		9.2A	15 47.013	0.0013	12	-7 2 17.12	0.013	12	0.26	46.991	16	33.1	17.33	16	33.1	A0	16	2565	A -6 2035
86		9.0A	15 47.686	0.0001	11	-5 39 8.95	0.007	11	0.24	47.683	16	33.1	9.06	16	33.1	G0	17	2611	A -5 2061
87		8.8A	15 51.294	-0.0003	13	-3 31 13.06	0.000	13	0.28	51.300	16	33.1	13.06	16	33.1	A5	17	2612K	A -3 1838
88		8.6A	15 52.303	-0.0010	12	-8 16 16.08	-0.010	12	0.26	52.319	16	33.1	15.90	16	33.1	K0	16	2567	A -8 1832
89		8.7A	15 53.837	-0.0006	12	-4 13 1.93	-0.010	12	0.26	53.848	16	33.1	1.76	16	33.1	F8	17	2613	A -4 1893
90		8.9A	16 3.979	-0.0011	12	-9 56 32.43	-0.008	12	0.26	3.996	16	33.1	32.28	16	33.1	K0	16	2570	A -9 1968
91		9.1A	16 5.056	-0.0005	12	-8 25 55.98	0.012	12	0.25	5.064	16	33.3	56.17	16	33.3	G0	R 16	2568	A -8 1834
92		9.0A	16 6.103	-0.0004	11	-7 44 39.07	0.011	11	0.24	6.110	16	33.1	39.25	16	33.1	B9	16	2569	A -7 1870
93		8.1A	16 13.265	-0.0012	12	-7 29 20.22	0.025	12	0.26	13.284	16	33.1	20.63	16	33.1	K5	16	2571	A -7 1873
94		8.9A	16 13.685	-0.0007	12	-7 21 8.41	0.025	12	0.26	13.697	16	33.1	8.82	16	33.1	B9	16	2572	A -7 1872
95		7.9A	16 17.138	-0.0001	11	-9 1 56.08	-0.025	11	0.24	17.139	16	33.1	55.65	16	33.1	K2	16	2573	A -8 1836
96		9.0A	16 21.328	-0.0000	09	-1 18 47.08	-0.018	11	0.21	21.328	17	37.5	46.86	17	37.5	B9	21	2113	A -1 1650
97		9.1A	16 21.539	-0.0008	11	-2 20 0.07	-0.010	11	0.24	21.553	16	33.3	-59.90	16	33.3	K0	R 17	2614	A -2 2044
98		9.2A	16 27.506	-0.0001	09	-2 7 42.70	-0.021	11	0.21	27.507	17	37.5	42.44	17	37.5	A0	21	2115	A -1 1651
99		8.6A	16 28.673	-0.0011	12	-5 8 5.21	-0.016	12	0.26	28.692	16	33.1	4.94	16	33.1	K5	17	2615	A -4 1900
00		9.2A	16 28.693	-0.0002	11	-7 26 2.71	0.017	11	0.24	28.697	16	33.1	2.99	16	33.1	G5	16	2574	A -7 1876

134500

EPOCH 1950 — ORIGINAL EPOCH — SOURCE — − 00° 7H

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.		SOURCE CAT.	STAR NUMBER	DM NUMBER
1		8.4A	7 16 29.650	-0.0011	12	-7 53 48.93	0.020	12	0.26	29.669	16	33.1	49.26	16	33.1	K0		16	2575	A -7 1879
2		8.5A	16 30.475	-0.0023	13	-5 20 8.08	-0.044	13	0.28	30.513	16	33.1	7.33	16	33.1	A0		17	2616	A -5 2065
3		9.1A	16 37.355	0.0002	09	-1 55 17.12	-0.006	11	0.21	37.352	17	37.5	17.05	17	37.5	K5	R	21	2116	A -1 1652
4		8.4A	16 38.210	-0.0007	09	-1 33 47.27	-0.012	11	0.21	38.219	17	37.5	47.12	17	37.5	A0		21	2117	A -1 1653
5		9.1A	16 39.858	0.0013	13	-2 24 21.65	0.016	13	0.28	39.837	16	33.1	21.92	16	33.1	K8	F	17	2617	A -2 2046
6		9.0A	16 39.977	0.0009	14	-2 6 35.44	0.000	14	0.25	39.966	17	37.5	35.44	17	37.5	K0	R	21	2118	A* -1 1654
7		8.4A	16 45.627	-0.0017	09	-0 14 28.30	-0.005	11	0.21	45.647	17	37.5	28.23	17	37.5	G0		21	2119	A -0 1677
8		9.1A	16 46.240	-0.0008	12	-3 33 25.70	-0.006	12	0.26	46.254	16	33.1	25.60	16	33.1	A0		17	2618	A -3 1846
9		8.7A	16 55.749	0.0008	11	-2 27 49.53	-0.007	11	0.24	55.736	16	33.1	49.21	16	33.1	A0		17	2619	A -2 2050
10		7.4A	16 58.080	0.0006	12	-8 41 24.86	-0.024	12	0.26	58.089	16	33.1	24.45	16	33.1	MA		16	2577	A -8 1839
11		8.8A	16 58.097	-0.0039	13	-7 38 9.80	0.014	13	0.28	58.197	16	33.1	10.03	16	33.1	G0		16	2576	A -7 1885
12		8.3A	17 7.008	-0.0017	13	-3 30 51.78	0.008	13	0.28	7.034	16	33.1	51.92	16	33.1	K0		17	2620	A -3 1847
13		9.0A	17 7.827	0.0009	13	-4 21 10.98	0.002	13	0.28	7.813	16	33.1	11.02	16	33.1	A2		17	2621	A -4 1904
14		9.1A	17 10.555	-0.0003	13	-5 48 29.55	0.016	13	0.28	10.560	16	33.1	29.81	16	33.1	F2		17	2623	A -5 2068
15		9.0A	17 10.797	-0.0006	13	-2 45 54.44	-0.005	13	0.27	10.807	16	33.3	54.36	16	33.3	K0	R	17	2622	A -2 2054
16		9.2A	17 15.572	-0.0008	09	-5 11 1.24	-0.004	09	0.22	15.586	16	33.1	1.18	16	33.1	G5		17	2624	A -5 2069
17		8.7A	17 17.140	-0.0006	11	-7 39 39.28	-0.006	11	0.24	17.184	16	33.1	39.17	16	33.1	K5		16	2578	A -7 1986
18		8.5A	17 18.086	-0.0012	09	-1 13 32.45	-0.009	11	0.21	18.110	17	37.5	32.34	17	37.5	A2		21	2122	A -1 1659
19		8.6A	17 18.254	-0.0008	09	-1 19 23.46	0.010	11	0.21	18.265	17	37.5	23.59	17	37.5	K2		21	2123	A -1 1658
20		8.7A	17 25.009	-0.0019	09	-9 5 51.36	-0.008	09	0.22	25.040	16	33.1	51.21	16	33.1	A0		16	2579	A -8 1843
21		9.0A	17 25.947	-0.0004	13	-5 36 5.23	0.015	13	0.28	25.988	16	33.1	5.48	16	33.1	G0		17	2625	A -5 2070
22		7.8A	17 28.375	-0.0020	13	-4 29 23.01	-0.019	13	0.28	28.410	16	33.1	22.69	16	33.1	A2		17	2626	A -4 1907
23		8.7A	17 32.275	0.0002	12	-7 47 48.78	-0.005	12	0.26	32.271	16	33.1	48.68	16	33.1	MA		16	2580	A -7 1889
24		8.7A	17 33.998	-0.0014	13	-2 51 6.54	-0.012	13	0.28	34.022	16	33.1	6.14	16	33.1	K6	F	17	2627	A -2 2059
25		9.1A	17 35.456	-0.0005	12	-7 36 18.25	0.006	12	0.26	35.464	16	33.1	18.34	16	33.1	B8		16	2581	A -7 1891
26		7.3A	17 36.542	-0.0051	13	-4 53 51.32	-0.022	13	0.28	36.629	16	33.1	50.95	16	33.1	A5		17	2629	A -4 1908
27		6.8T	17 37.323	0.0004	12	-3 49 13.85	0.012	12	0.68	37.302	17	99.3	14.47	15	98.6	K0		GC	9768	-3 1850
28		8.8A	17 45.951	-0.0011	13	-6 7 1.43	-0.004	13	0.27	45.969	16	33.3	1.36	16	33.3			17	2630	A -5 2072
29		7.8A	17 46.121	-0.0009	13	-6 2 38.60	0.007	13	0.28	46.135	16	33.1	38.71	16	33.1	K0		17	2631	A -5 2073
30		8.8A	17 51.466	-0.0013	12	-8 34 26.45	-0.027	12	0.26	51.488	16	33.1	25.98	16	33.1	A		16	2585	A -8 1848
31		7.2A	17 54.498	-0.0006	12	-8 27 19.73	0.013	12	0.26	54.507	16	33.1	19.94	16	33.1	F0		16	2586	A -8 1849
32		9.0A	17 56.043	0.0001	13	-4 50 37.89	-0.025	13	0.28	56.062	16	33.1	37.47	16	33.1	K5		17	2632	A -4 1912
33		9.0A	17 58.554	0.0006	09	-1 37 55.55	-0.019	11	0.21	58.547	17	37.5	55.32	17	37.5	K5		21	2130	A -1 1662
34		9.0A	17 59.276	-0.0004	12	-6 18 26.55	-0.022	12	0.26	59.317	16	33.1	26.17	16	33.1	A0		17	2633	A -6 2056
35		8.2A	18 0.961	0.0003	12	-8 14 39.66	-0.010	12	0.26	0.955	16	33.1	39.48	16	33.1	K0		16	2588	A -8 1850
36		8.8A	18 2.703	-0.0003	09	-1 6 44.88	-0.008	11	0.21	2.707	17	37.5	44.78	17	37.5	A2		21	2131	A -0 1682
37		8.1A	18 3.596	-0.0003	09	-1 30 6.39	-0.025	11	0.21	3.561	17	37.5	6.08	17	37.5	B9		21	2132K	A -1 1663
38		8.0A	18 3.695	0.0018	12	-6 30 30.39	-0.058	12	0.26	3.665	16	33.1	29.40	16	33.1	G5		16	2589	A -6 2057
39		8.8A	18 4.616	-0.0011	11	-5 55 52.27	-0.002	11	0.24	4.634	16	33.1	52.23	16	33.1	K0		17	2634	A -5 2074
40		8.8A	18 10.712	-0.0009	12	-9 33 10.92	0.005	12	0.26	10.727	16	33.1	10.99	16	33.1	A5		16	2590	A -9 1992
41		8.0A	18 13.484	-0.0005	09	-0 45 8.77	-0.012	11	0.21	13.487	17	37.5	8.62	17	37.5	A5		21	2134	A -0 1683
42		8.6A	18 16.160	-0.0000	11	-8 33 20.54	-0.011	11	0.24	16.160	16	33.3	20.35	16	33.3	K2	R	16	2591	A -8 1855
43		8.3A	18 18.473	-0.0012	12	-8 19 35.15	-0.006	12	0.26	18.494	16	33.1	35.04	16	33.1	B9		16	2592	A -8 1856
44		8.8A	18 20.454	0.0020	11	-5 9 54.68	-0.008	11	0.24	20.419	16	33.1	54.53	16	33.1	K0		17	2635	A -4 1915
45		7.5A	18 22.852	-0.0004	13	-6 2 27.24	-0.010	13	0.28	22.858	16	33.1	27.07	16	33.1	A0		17	2636	A -5 2075
46		9.0A	18 22.946	-0.0037	13	-7 22 39.68	-0.016	13	0.27	23.007	16	33.3	39.40	16	33.3	K5	R	16	2594	A -7 1899
47		8.6A	18 28.538	-0.0002	12	-9 43 33.35	0.007	12	0.26	28.540	16	33.1	33.46	16	33.1	A0		16	2596	A -9 1994
48		9.0A	18 34.677	-0.0004	13	-4 28 48.44	0.011	13	0.28	34.683	16	33.1	48.63	16	33.1	A0		17	2639	A -4 1917
49		9.0A	18 35.765	-0.0011	12	-7 30 2.81	-0.028	12	0.25	35.783	16	33.3	2.33	16	33.3	K0	R	16	2597	A -7 1905
50		9.0A	18 36.386	-0.0007	13	-2 18 6.73	0.009	13	0.28	36.399	16	33.1	6.88	16	33.1	K5		17	2637	A -2 2066
51		8.8A	7 18 36.579	-0.0004	13	-5 8 26.68	-0.015	13	0.28	36.585	16	33.1	26.43	16	33.1	B9		17	2640	A -4 1918
52		6.8A	18 36.661	-0.0009	13	-5 25 49.72	-0.020	13	0.28	36.676	16	33.1	49.38	16	33.1	A0		17	2643	A -5 2077
53		8.6A	18 37.018	-0.0007	09	-0 52 47.24	-0.010	11	0.21	37.027	17	37.5	47.12	17	37.5	K5		21	2136	A -0 1686
54		9.5A	18 37.153	0.0011	09	-2 10 34.70	0.013	09	0.22	37.135	16	33.1	34.92	16	33.1	G5	F	17	2638	A -2 2067
55		8.9A	18 37.338	-0.0030	09	-1 47 28.05	0.007	11	0.21	37.376	17	37.5	28.14	17	37.5	F8		21	2138	A -1 1668
56		8.8A	18 38.094	-0.0017	12	-3 42 53.66	-0.006	12	0.26	38.122	16	33.1	53.56	16	33.1	K0		17	2641	A -3 1853
57		8.0A	18 38.305	-0.0016	12	-9 2 12.31	-0.010	12	0.26	38.331	16	33.1	12.13	16	33.1	K0		16	2598	A -8 1858
58		8.5A	18 39.001	-0.0017	13	-3 16 3.07	0.021	13	0.28	39.031	16	33.1	3.42	16	33.1	A0		17	2642	A -3 1854
59		9.0A	18 41.042	-0.0007	09	-0 16 3.77	-0.033	11	0.21	41.050	17	37.5	3.35	17	37.5	A0		21	2139	A -0 1685
60		6.7A	18 41.924	-0.0002	13	-2 35 34.21	-0.013	13	0.28	41.928	16	33.1	33.99	16	33.1	A0		17	2644	A -2 2068
61		8.8A	18 46.008	0.0001	13	-3 21 28.94	-0.015	13	0.28	46.006	16	33.1	28.69	16	33.1	A0		17	2645	A -3 1856
62		8.0A	18 52.326	-0.0000	12	-3 11 35.59	0.013	12	0.26	52.326	16	33.1	35.81	16	33.1	K5		17	2647	A -3 1858
63		6.5T	18 52.768	0.0021	13	-8 46 51.35	-0.159	13	0.67	52.662	15	00.2	43.29	15	99.5	F5		GC	9804	-8 1862
64		9.0A	18 53.111	-0.0025	13	-6 12 42.75	-0.022	13	0.28	53.153	16	33.1	42.37	16	33.1	A0		17	2649	A -6 2064
65		9.0A	18 55.824	0.0001	13	-4 26 5.27	-0.015	13	0.28	55.824	16	33.1	5.02	16	33.1	A0		17	2650	A -4 1920
66		8.6A	18 57.927	-0.0010	13	-7 17 13.74	0.031	13	0.28	57.943	16	33.1	14.26	16	33.1	K5		16	2601	A -7 1908
67		8.7A	19 0.613	0.0005	12	-6 47 44.51	0.006	12	0.26	0.604	16	33.1	44.60	16	33.1	K0		16	2602	A -6 2065
68		9.0A	19 3.908	-0.0040	13	-6 18 16.99	-0.014	13	0.28	3.973	16	33.1	16.75	16	33.1	A0		17	2651	A -6 2067
69		9.1A	19 6.072	-0.0013	13	-7 6 29.47	-0.013	13	0.28	6.094	16	33.1	29.24	16	33.1	F5		16	2604	A -6 2069
70		6.6T	19 7.353	-0.0004	10	-5 48 5.61	-0.001	08	0.48	7.372	15	98.4	5.55	14	96.2	B3		GC	9810	B* -5 2080
71		9.1A	19 10.919	-0.0008	12	-9 13 29.21	-0.017	12	0.25	10.933	16	33.3	28.91	16	33.3	K0	R	16	2605	A -9 1998
72		9.0A	19 22.728	-0.0006	13	-6 34 38.12	0.029	13	0.28	22.738	16	33.1	38.60	16	33.1	A0		16	2606	A -6 2072
73		9.0A	19 23.241	-0.0004	12	-9 18 4.20	-0.001	12	0.25	23.248	16	33.3	4.17	16	33.3	F8	R	16	2608	A -9 1999
74		9.1A	19 23.616	0.0013	13	-8 1 24.51	-0.003	13	0.28	23.594	16	33.1	24.42	16	33.1	A0		17	2653	A -5 2083
75		9.0A	19 26.361	-0.0006	09	-0 16 37.48	-0.029	11	0.21	26.395	17	37.5	37.11	17	37.5	K0	R	21	2140	A -0 1690
76		9.0A	19 33.336	-0.0025	12	-8 43 44.64	-0.003	12	0.26	33.377	16	33.1	44.58	16	33.1	A0		17	2654	A -5 2085
77		8.2A	19 34.113	-0.0009	13	-5 28 28.25	-0.028	13	0.28	34.127	16	33.1	27.81	16	33.1	A0		17	2655	A -5 2086
78		8.8A	19 36.078	-0.0039	13	-3 55 46.63	0.011	13	0.28	36.145	16	33.1	46.82	16	33.1	F5	F	17	2657K	A -3 1865
79		9.0A	19 37.547	-0.0018	13	-2 42 13.36	0.004	13	0.28	37.578	16	33.1	13.45	16	33.1	F5	F	17	2656	A -2 2077
80		6.2T	19 38.111	0.0000	05	-8 53 0.04	0.018	05	0.27	38.109	07	98.7	1.00	07	95.6	B5		GC	9823	B* -8 1872
81		9.0B	19 39.286	-0.0233	20	-1 46 12.75	0.236	22	0.92	40.285	17	07.2	22.84	18	07.3	K0		GC	9824	-1 1677
82		9.1A	19 39.648	-0.0014	12	-6 32 30.22	-0.029	12	0.26	39.671	16	33.1	29.72	16	33.1	K0		16	2609	A -6 2074
83		9.0A	19 40.924	-0.0014	11	-6 1 46.51	-0.024	11	0.24	40.947	16	33.1	46.10	16	33.1	F8		17	2658	A -5 2087
84		9.1A	19 44.015	-0.0008	12	-7 10 41.86	-0.004	12	0.26	44.025	16	33.1	41.78	16	33.1	A0		16	2612	A -6 2076
85		6.3T	19 48.019	-0.0014	13	-2 52 57.43	0.001	12	0.65	48.089	19	00.0	57.49	18	00.0	F5		GC	9827	-2 2079
86		9.1A	19 48.502	-0.0008	13	-2 50 12.27	0.005	13	0.27	48.511	16	33.3	12.35	16	33.3			17	2660	A -2 2080
87		6.7T	19 57.472	-0.0007	10	-0 9 44.70	0.007	09	0.49	57.508	18	01.7	45.03	17	99.4	B9		GC	9832	0 1918
88		5.8T	19 58.211	-0.0011	05	-5 53 9.81	-0.007	04	0.26	58.251	10	02.8	9.43	09	98.5	F0		GC	9833	B* -5 2089
89		8.6A	20 3.420	-0.0006	11	-8 56 39.58	-0.103	11	0.24	3.430	16	33.3	37.85	16	33.3	F8	R	16	2615	A -8 1874
90		8.8A	20 5.958	0.0015	12	-8 39 5.20	-0.041	11	0.25	5.932	16	33.1	4.50	16	33.1	F8		16	2614	A -6 2078
91		8.3A	20 15.395	-0.0023	12	-8 56 28.02	-0.003	12	0.26	15.433	16	33.1	27.96	16	33.1	F0		16	2617	A -8 1875
92		8.9A	20 17.640	-0.0008	13	-5 7 37.11	0.015	13	0.28	17.653	16	33.1	37.37	16	33.1	A0		17	2662	A -4 1926
93		7.3A	20 25.117	-0.0027	12	-9 32 1.77	-0.081	12	0.26	25.163	16	33.1	0.22	16	33.1	F8		16	2618	A -9 2011
94		9.2A	20 28.465	-0.0002	12	-7 51 36.15	0.007	12	0.26	28.489	16	33.1	36.26	16	33.1	B9		16	2619	A -7 1922
95		8.0A	20 28.702	-0.0032	12	-3 47 39.90	-0.037	12	0.26	28.756	16	33.1	39.27	16	33.1	F5		17	2663	A -3 1871
96		9.0A	20 30.587	0.0017	09	-0 22 21.74	-0.023	11	0.21	30.565	17	37.5	21.44	17	37.5	K2	R	21	2145	A -0 1697
97		8.8A	20 35.801	-0.0007	09	-0 6 40.42	-0.008	11	0.21	35.810	17	37.5	40.31	17	37.5	B9		21	2146	A 0 1920
98		9.0A	20 48.928	-0.0011	12	-3 54 51.08	0.000	12	0.26	48.944	16	33.1	51.08	16	33.1	K2	F	17	2664	A -3 1875
99		8.8A	20 52.042	-0.0005	13	-5 32 5.28	-0.004	13	0.28	52.051	16	33.1	5.21	16	33.1	A0		17	2666K	A -5 2092
00		8.6A	20 52.349	-0.0006	13	-4 20 5.43	0.007	13	0.28	52.359	16	33.1	5.55	16	33.1	A2		17	2665	A -4 1927

134600

EPOCH 1950 — ORIGINAL EPOCH — SOURCE — - 00 7H

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.		SOURCE CAT.	SOURCE STAR NUMBER	DM NUMBER
1		8.2A	7 20 52.823	0.0000	12	-9 58 12.84	-0.088	12	0.26	52.822	16	33.1	11.34	16	33.1	F8		16	2623	A -9 2020
2		8.6A	20 52.978	-0.0004	12	-9 31 38.87	-0.010	12	0.26	52.984	16	33.1	38.69	16	33.1	A2		16	2622	A -9 2018
3		8.5A	20 54.465	-0.0003	12	-9 42 32.58	-0.004	12	0.26	54.470	16	33.1	32.50	16	33.1	K5		16	2625	A -9 2019
4		9.2A	20 55.438	-0.0009	15	-5 23 15.72	-0.008	15	0.30	55.453	16	33.3	15.59	16	33.3	B8	R	17	2568	A -5 2093
5		9.0A	20 57.232	-0.0015	17	-2 29 24.53	-0.020	17	0.32	57.258	16	33.1	24.19	16	33.1	K0	F	17	2567	A -2 2087
6		8.7A	20 57.957	0.0004	11	-6 32 17.72	-0.027	09	0.23	57.951	16	33.1	17.25	16	33.1	A0		16	2624	A -6 2084
7		8.8A	21 5.347	0.0007	12	-8 54 53.03	-0.015	12	0.25	5.335	16	33.3	53.27	16	33.3	G0	R	16	2627	A -8 1880
8		9.2A	21 5.377	-0.0017	09	-2 0 47.60	-0.005	11	0.21	5.398	17	37.5	47.54	17	37.5	F5	R	21	2148	A -1 1689
9		8.5A	21 5.527	-0.0025	12	-9 42 42.74	0.012	12	0.25	5.568	16	33.5	42.93	16	33.5	F0		16	2628	A -9 2022
10		9.2A	21 8.567	-0.0017	13	-2 8 55.11	0.003	13	0.27	8.594	16	33.3	55.16	16	33.3	A5	R	17	2670	A -1 1690
11		9.0A	21 9.648	-0.0005	09	-1 58 29.20	-0.010	11	0.21	9.653	17	37.5	29.08	17	37.5	F0		21	2150	A -1 1692
12		9.0A	21 10.795	-0.0005	09	-1 44 11.68	-0.034	11	0.21	10.800	17	37.5	11.26	17	37.5	A0		21	2151	A -1 1691
13		9.2A	21 11.416	-0.0005	09	-2 7 35.03	-0.010	11	0.21	11.422	17	37.5	34.91	17	37.5	A2	R	21	2152	A -1 1693
14		8.7A	21 13.227	0.0023	13	-5 22 3.05	0.021	13	0.27	13.189	16	33.5	3.40	16	33.5	A0		17	2671	A -5 2095
15		9.0A	21 14.615	0.0001	09	-1 23 18.47	-0.017	11	0.21	14.614	17	37.5	18.26	17	37.5	G5	R	21	2153	A -1 1694
16		8.5A	21 23.598	0.0038	13	-5 10 23.16	-0.002	13	0.27	23.535	16	33.5	23.13	16	33.5	G5		17	2672	A -4 1930
17		9.3A	21 26.930	-0.0029	12	-7 51 48.43	0.140	12	0.25	26.979	16	33.3	50.76	16	33.3	F8	R	16	2629	A -7 1932
18		7.0T	21 31.870	-0.0003	08	-3 52 50.78	-0.018	05	0.40	31.887	15	95.2	49.63	14	85.9	K0		GC	9874K	B* -3 1878
19		9.3A	21 32.017	0.0015	13	-4 39 38.72	0.009	13	0.27	31.993	16	33.5	38.87	16	33.5	K2	F	17	2674	A -4 1931
20		9.0A	21 33.305	0.0036	12	-6 57 2.92	-0.031	12	0.25	33.246	16	33.5	2.40	16	33.5	G0		16	2630	A -6 2090
21		8.6A	21 37.522	0.0000	09	-1 22 30.64	-0.034	11	0.21	37.521	17	37.5	30.22	17	37.5	K5	R	21	2154	A -1 1695
22		9.1A	21 39.548	-0.0004	09	-0 55 11.02	-0.029	11	0.21	39.563	17	37.5	10.66	17	37.5	A2	R	21	2155	A -0 1703
23		9.2A	21 43.541	0.0013	13	-5 55 34.32	-0.076	13	0.27	43.518	16	33.3	33.04	16	33.3	G0	R	17	2676	A -5 2096
24		8.8A	21 43.960	-0.0007	11	-2 29 37.40	-0.033	11	0.23	43.970	16	33.5	36.85	16	33.5	K4	F	17	2675	A -2 2092
25		8.9A	21 45.233	-0.0017	09	-0 7 4.77	-0.029	11	0.21	45.254	17	37.5	4.40	17	37.5	A2		21	2156	A 0 1932
26		9.1A	21 50.204	-0.0015	12	-8 47 20.72	-0.014	12	0.25	50.228	16	33.3	20.48	16	33.3	A0	R	16	2632	A -8 1893
27		9.3A	21 50.491	-0.0009	12	-7 45 22.68	0.021	11	0.25	50.506	16	33.3	23.02	16	33.3	F5	R	16	2631	A -7 1936
28		8.9P	21 59.709	-0.0007	09	-4 30 36.36	-0.028	05	0.39	59.740	18	06.4	34.74	15	92.2	A3		GC	9885K	B* -4 1933
29		9.0A	22 7.803	-0.0019	09	-0 21 4.30	-0.011	11	0.21	7.826	17	37.5	4.15	17	37.5	A0	R	21	2158	A -0 1706
30		9.0A	22 13.799	-0.0000	09	-1 8 45.28	0.013	11	0.21	13.800	17	37.5	45.44	17	37.5	G5	R	21	2160	A -0 1709
31		9.0A	22 20.518	-0.0001	09	-1 39 55.09	-0.005	11	0.21	20.519	17	37.5	55.03	17	37.5	A2		21	2161	A -1 1698
32		9.0A	21.271	-0.0011	09	-2 32 9.39	0.007	11	0.22	21.289	16	33.5	9.51	16	33.5	A0	F	17	2678	A -2 2099
33		9.2A	21.403	-0.0015	12	-9 6 13.67	-0.016	11	0.25	21.427	16	33.3	13.39	16	33.3	F8	R	16	2633	A -8 1896
34		8.7A	23.246	0.0003	13	-4 7 54.43	-0.004	13	0.27	23.241	16	33.5	54.37	16	33.5	A0		17	2679	A -3 1886
35		9.1A	25.210	-0.0018	12	-8 1 45.84	0.005	12	0.25	25.239	16	33.5	45.91	16	33.5	B9		16	2634	A -7 1940
36		9.0A	26.309	-0.0017	12	-8 20 14.11	-0.050	12	0.25	26.337	16	33.3	13.27	16	33.3	F5	R	16	2635	A -8 1898
37		8.5A	28.628	-0.0010	13	-4 56 49.54	0.025	13	0.27	28.644	16	33.5	49.96	16	33.5	A2		17	2680	A -4 1939
38		8.4A	31.011	0.0002	12	-7 30 15.36	0.002	12	0.25	31.007	16	33.5	15.38	16	33.5	F0		16	2636	A -7 1941
39		9.1A	34.684	0.0001	12	-5 24 57.22	-0.004	12	0.25	34.681	16	33.5	57.15	16	33.5	A		17	2681	A -5 2102
40		9.0A	41.286	0.0001	13	-5 25 36.78	-0.028	13	0.27	41.283	16	33.5	36.32	16	33.5	A		17	2683	A -5 2103
41		8.6A	41.508	-0.0006	13	-5 38 28.79	0.002	13	0.27	41.517	16	33.5	28.82	16	33.5	A0		17	2684	A -5 2104
42		9.0A	42.672	-0.0012	13	-3 2 4.50	-0.007	13	0.27	42.691	16	33.5	4.38	16	33.5	NB		17	2682	A -2 2101
43		9.2A	48.384	-0.0003	12	-2 27 11.93	0.002	12	0.25	48.389	16	33.5	11.96	16	33.5	A0	F	17	2685	A -2 2102
44		9.0A	54.145	-0.0004	12	-4 18 2.69	0.006	12	0.25	54.151	16	33.5	2.79	16	33.5	A2		17	2686	A -4 1941
45		9.1A	58.598	-0.0004	12	-3 44 41.39	0.007	12	0.25	58.606	16	33.5	41.51	16	33.5	K0		17	2687	A -3 1890
46		9.7A	23 0.427	0.0019	12	-7 27 42.55	0.017	11	0.25	0.396	16	33.3	42.82	16	33.3	F5	R	16	2637	A -7 1947
47		8.5A	2.603	0.0013	12	-7 38 40.85	0.011	12	0.25	2.581	16	33.5	41.02	16	33.5	K5		16	2638	A -7 1949
48		9.0A	10.353	-0.0003	09	-1 48 4.11	-0.001	11	0.21	10.356	17	37.5	4.10	17	37.5	F2	R	21	2164	A -1 1704
49		8.9A	14.438	0.0030	09	-0 36 39.44	-0.056	11	0.21	14.401	17	37.5	38.74	17	37.5	A0	R	21	2165	A -0 1717
50		9.1A	23 17.712	-0.0008	11	-7 17 23.50	0.030	11	0.24	17.726	16	33.3	23.99	16	33.3	K0	R	16	2639	A -7 1954
51		8.8A	7 23 18.329	-0.0004	12	-9 57 41.19	-0.002	12	0.25	18.335	16	33.5	41.15	16	33.5	K0		16	2640	A -9 2033
52		9.0A	23 20.038	-0.0023	12	-3 55 13.59	-0.002	12	0.25	20.075	16	33.5	13.56	16	33.5	A0		17	2688	A -3 1892
53		9.1A	22.156	-0.0006	12	-6 36 36.62	-0.013	11	0.24	22.165	16	33.5	36.39	16	33.5	A0		16	2641	A -6 2107
54		6.1T	23.637	-0.0023	15	-5 40 28.34	-0.007	14	0.83	23.762	17	94.6	27.94	18	94.3	G0		GC	9923	-5 2112
55		7.6A	25.919	-0.0007	09	-2 8 50.16	-0.045	11	0.21	25.928	17	37.5	49.60	17	37.5	G0		21	2167	A -1 1707
56		9.1A	31.181	-0.0001	09	-0 15 41.16	-0.023	11	0.21	31.182	17	37.5	40.86	17	37.5	A0	R	21	2168	A -0 1718
57		8.9A	31.796	-0.0015	12	-9 52 3.64	-0.000	12	0.25	31.821	16	33.5	3.63	16	33.5	A0		16	2642	A -9 2037
58		6.5T	34.596	0.0003	12	-4 26 11.27	-0.020	10	0.60	34.581	15	97.1	10.19	17	95.8	B9		GC	9930	-4 1943
59		9.2A	35.463	0.0008	09	-4 25 14.05	-0.004	09	0.22	35.450	16	33.3	13.99	16	33.3	A	R	17	2692	A -4 1944
60		9.1A	23 37.632	-0.0008	09	-6 28 25.36	-0.000	09	0.22	37.646	16	33.5	25.35	16	33.5	A0		16	2643	A -6 2108
61		8.9A	23 38.360	-0.0017	11	-9 51 3.53	-0.004	09	0.23	38.387	16	33.3	3.45	16	33.3	K5	R	16	2644	A -9 2038
62		8.6A	23 43.506	-0.0006	12	-8 59 44.86	-0.000	12	0.25	43.516	16	33.5	44.85	16	33.5	B8		16	2645	A -8 1909
63		9.2A	23 56.652	-0.0001	09	-2 9 44.27	-0.013	11	0.21	56.653	17	37.5	44.11	17	37.5	K0	R	21	2169	A -1 1709
64		8.3A	24 0.239	-0.0012	12	-7 16 21.37	-0.000	12	0.25	0.259	16	33.5	21.36	16	33.5	K0		16	2646	A -7 1963
65		6.9T	24 0.937	-0.0015	12	-0 22 5.37	-0.010	12	0.69	1.019	18	95.4	4.81	18	97.1	A2		GC	9939	-0 1721
66		6.9T	24 2.564	-0.0019	22	-9 59 16.47	0.028	22	1.01	2.645	22	06.4	17.68	21	06.2	A2		GC	9940	-9 2043
67		8.1A	24 2.773	0.0001	13	-2 56 51.42	-0.045	13	0.27	2.771	16	33.5	50.68	16	33.5	K2		17	2694	A -2 2111
68		8.8A	24 3.611	-0.0007	09	-2 4 47.34	-0.006	11	0.21	3.620	17	37.5	47.27	17	37.5	K2	R	21	2172	A -1 1711
69		9.0A	24 5.837	-0.0019	13	-4 18 5.07	-0.006	13	0.27	5.869	16	33.5	4.97	16	33.5	G0	F	17	2697	A -4 1947
70		8.5A	24 7.050	-0.0023	13	-2 52 58.14	-0.017	13	0.27	7.088	16	33.5	57.86	16	33.5	A0		17	2696	A -2 2113
71		8.1A	24 9.944	-0.0020	12	-4 13 1.19	0.010	12	0.25	9.977	16	33.5	1.36	16	33.5	K0		17	2698	A -4 1949
72		9.0A	24 11.767	-0.0002	09	-0 29 59.32	-0.025	11	0.21	11.769	17	37.5	59.00	17	37.5	F2	R	21	2173	A -0 1723
73		9.0A	24 18.049	-0.0012	09	-1 27 5.26	0.002	11	0.21	18.063	17	37.5	5.29	17	37.5	F2	R	21	2174	A -1 1714
74		7.8A	24 18.764	-0.0015	11	-5 46 3.06	0.010	11	0.23	18.789	16	33.5	3.22	16	33.5	K2		17	2700	A -5 2118
75		8.5A	24 19.460	0.0000	13	-5 6 56.42	-0.010	13	0.27	19.460	16	33.5	56.26	16	33.5	K0		17	2699	A -4 1950
76		8.9A	24 25.145	0.0001	09	-1 59 50.91	0.019	11	0.21	25.143	17	37.5	51.15	17	37.5	K0	R	21	2177	A -1 1716
77		8.9A	24 25.693	0.0003	09	-1 30 34.83	-0.018	11	0.21	25.689	17	37.5	34.61	17	37.5	K0	R	21	2176	A -1 1717
78		8.9A	24 25.760	-0.0006	12	-8 25 14.58	-0.023	12	0.25	25.770	16	33.5	14.19	16	33.5	A0		16	2648	A -8 1917
79		9.0A	24 26.175	-0.0007	09	-1 21 2.05	-0.033	11	0.21	26.183	17	37.5	1.64	17	37.5	A5	R	21	2178	A -1 1718
80		9.0A	24 28.814	-0.0005	13	-5 25 32.31	0.003	13	0.27	28.821	16	33.5	32.36	16	33.5	A2		17	2701	A -5 2120
81		8.7A	24 31.918	0.0017	12	-9 27 38.81	-0.064	11	0.24	31.889	16	33.5	37.75	16	33.5	F8		16	2650	A -9 2048
82		9.1A	24 32.680	-0.0011	12	-7 27 34.63	0.066	12	0.25	32.698	16	33.3	35.72	16	33.3	G0	R	16	2649	A -7 1966
83		9.1A	24 34.294	-0.0011	12	-9 42 1.74	0.003	12	0.25	34.311	16	33.5	1.78	16	33.5	A0		16	2652	A -9 2052
84		8.6A	24 35.253	-0.0004	12	-7 32 7.10	0.019	12	0.25	35.260	16	33.3	7.41	16	33.3	M0	R	16	2651	A -7 1968
85		8.4A	24 37.268	-0.0016	13	-4 51 56.95	0.008	13	0.27	37.295	16	33.5	57.09	16	33.5	A2		17	2702	A -4 1952
86		8.9A	24 37.555	-0.0010	12	-7 51 53.98	-0.008	12	0.25	37.572	16	33.3	53.84	16	33.3	G5	R	16	2653	A -7 1969
87		9.3A	24 39.664	-0.0004	13	-8 7 59.76	-0.006	13	0.27	39.671	16	33.5	59.65	16	33.5	A0		16	2654	A -7 1971
88		9.2A	24 42.011	-0.0003	13	-5 28 34.30	-0.017	13	0.27	42.016	16	33.5	34.02	16	33.5	A0		17	2704	A -5 2121
89		8.9A	24 42.768	-0.0028	13	-3 4 31.86	0.008	13	0.27	42.814	16	33.5	31.99	16	33.5	F3	F	17	2703	A -2 2115
90		8.9A	24 43.480	0.0006	09	-0 3 30.68	-0.012	11	0.21	43.472	17	37.5	30.53	17	37.5	A0		21	2179	A 0 1947
91		9.0A	24 45.249	-0.0009	09	-0 19 1.31	-0.019	11	0.21	45.260	17	37.5	1.06	17	37.5	A2		21	2180	A -0 1725
92		9.1A	24 46.728	-0.0024	12	-8 45 10.23	0.009	12	0.25	46.767	16	33.5	10.37	16	33.5	K		16	2655	A -8 1919
93		8.5A	24 47.443	-0.0014	13	-3 8 7.08	-0.020	13	0.27	47.465	16	33.5	6.75	16	33.5	B9		17	2705	A -2 2117
94		8.6A	24 48.789	-0.0025	12	-4 14 15.87	-0.013	12	0.25	48.831	16	33.5	15.65	16	33.5	A0		17	2706	A -4 1955
95		8.7A	24 52.368	-0.0017	13	-2 25 21.53	0.020	13	0.27	52.397	16	33.5	21.86	16	33.5	G8	F	17	2707	A -2 2118
96		9.4A	25 2.504	-0.0005	17	-2 12 12.98	-0.051	17	0.32	2.513	16	33.3	12.13	16	33.3	A0	R	17	2708	A -2 2119
97		8.8A	25 11.311	0.0001	09	-1 28 38.69	-0.019	11	0.22	11.310	17	36.6	38.44	17	36.6	K0	R	21	2182	A -1 1724
98		8.4A	25 12.371	-0.0007	13	-2 58 8.06	0.004	13	0.27	12.382	16	33.5	8.13	16	33.5	B5		17	2709	A -2 2123
99		8.8A	25 13.328	-0.0016	13	-4 21 21.96	0.001	13	0.27	13.355	16	33.5	21.98	16	33.5	A0		17	2710	A -4 1958
00		9.0A	25 13.633	-0.0005	11	-6 14 10.34	-0.011	11	0.23	13.641	16	33.5	10.15	16	33.5	G5		17	2711	A -6 2117

134700 — EPOCH 1950 — ORIGINAL EPOCH — SOURCE — 0° 7H

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	CAT.	STAR NUMBER	DM NUMBER
1		8.6A	7 25 13.959	-0.0006	09	-1 7 15.78	-0.019	11	0.22	13.968	17	36.6	15.53	17	36.6	K5	21	2163	A -0 1726
2		8.9A	25 19.792	-0.0031	12	-7 54 23.05	0.013	12	0.25	19.843	16	33.5	23.25	16	33.5	A0	16	2658	A -7 1976
3		9.2A	25 22.111	-0.0001	11	-7 24 40.18	-0.020	12	0.25	22.109	16	33.3	39.84	16	33.3	K2 R	16	2659	A -7 1977
4		9.1A	25 24.214	-0.0004	12	-9 33 52.01	-0.009	12	0.25	24.220	16	33.5	51.85	16	33.5	F5	16	2660	A -9 2059
5		9.0A	25 25.899	-0.0012	13	-2 27 29.02	-0.009	13	0.27	25.919	16	33.5	28.87	16	33.5	K5P F	17	2712	A -2 2125
6		9.0A	25 28.009	-0.0010	09	-1 33 8.54	-0.012	11	0.22	28.022	17	36.6	8.39	17	36.6	F2 R	21	2184	A -1 1726
7		6.9T	25 28.972	-0.0006	11	-2 46 44.61	-0.010	11	0.62	29.005	17	99.6	44.08	18	96.0	K0	GC	9976	-2 2126
8		9.1A	25 32.228	-0.0021	13	-3 34 3.64	0.006	13	0.27	32.263	16	33.5	3.74	16	33.5	F2 F	17	2714	A -3 1907
9		8.6A	25 34.640	-0.0008	09	-1 32 25.23	-0.020	11	0.22	34.652	17	36.6	24.97	17	36.6	K0	21	2185	A -1 1727
10		9.1A	25 35.616	-0.0025	12	-9 57 31.43	0.002	11	0.25	35.658	16	33.3	31.45	16	33.3	G0 R	16	2861	A -9 2062
11		8.4A	25 40.785	-0.0031	13	-2 59 40.65	0.009	13	0.27	40.836	16	33.5	40.80	16	33.5	A3	17	2715	A -2 2129
12		8.8A	25 42.327	-0.0011	13	-9 11 14.15	-0.024	13	0.27	42.344	16	33.5	13.75	16	33.5	K2	16	2663	A -9 2064
13		9.2A	25 44.107	0.0003	12	-6 24 43.84	0.014	12	0.25	44.102	16	33.3	44.08	16	33.3	K0 R	16	2662	A -6 2122
14		8.9A	25 44.690	-0.0015	12	-7 26 35.59	0.020	12	0.25	44.715	16	33.3	35.91	16	33.3	K2 R	16	2664	A -7 1981
15		8.8A	25 47.698	-0.0003	12	-8 21 27.11	-0.015	12	0.25	47.705	16	33.5	26.85	16	33.5	A0	16	2665	A -8 1925
16		8.7A	25 48.424	-0.0020	13	-5 51 43.92	0.014	13	0.27	48.457	16	33.5	44.15	16	33.5	K0	17	2716	A -5 2127
17		8.8A	25 56.267	-0.0028	12	-7 3 19.48	-0.016	12	0.25	56.314	16	33.5	19.21	16	33.5	F5	16	2666	A -6 2124
18		8.8A	25 58.325	-0.0014	11	-9 8 59.56	-0.015	11	0.23	58.348	16	33.5	59.30	16	33.5	A0	16	2667	A -8 1927
19		9.0A	25 58.424	-0.0020	09	-1 4 20.00	-0.015	11	0.22	58.452	17	36.6	19.80	17	36.6	M0 R	21	2188	A -0 1728
20		9.0A	26 2.348	-0.0006	09	-0 39 49.13	-0.034	11	0.22	2.357	17	36.6	48.68	17	36.6	K2 R	21	2189	A -0 1729
21		9.3A	26 6.701	-0.0014	13	-6 1 36.65	-0.047	13	0.27	6.724	16	33.5	35.87	16	33.5	F8	17	2717	A -5 2130
22		9.0A	26 9.345	-0.0020	13	-7 11 13.85	0.005	13	0.27	9.378	16	33.5	13.90	16	33.5	B8	16	2670	A -7 1985
23		9.3A	26 9.774	-0.0015	11	-6 51 8.34	0.007	11	0.23	9.799	16	33.5	8.45	16	33.5	A0	16	2671	A -6 2127
24		6.6T	26 11.519	-0.0014	17	-9 56 25.70	-0.021	16	0.82	11.584	22	02.2	24.65	21	00.9	B5	GC	9995	B* -9 2069
25		9.0A	26 12.531	-0.0002	09	-2 19 53.42	-0.002	11	0.22	12.534	17	36.6	53.40	17	36.6	A0 R	21	2192	A -2 2135
26		8.9A	26 15.652	-0.0005	12	-7 4 46.76	0.003	12	0.25	15.660	16	33.5	46.80	16	33.5	A0	16	2673	A -6 2130
27		8.9A	26 19.704	-0.0024	09	-1 35 14.36	-0.027	11	0.22	19.736	17	36.6	14.01	17	36.6	A3	21	2193	A -1 1731
28		9.0A	26 20.640	-0.0011	13	-4 45 53.42	-0.008	13	0.27	20.658	16	33.5	53.29	16	33.5	A2	17	2719	A -4 1962
29		9.2A	26 21.608	-0.0001	09	-5 35 18.28	0.005	09	0.22	21.609	16	33.3	18.36	16	33.3	K2 R	17	2720	A -5 2132
30		8.9A	26 24.358	-0.0010	11	-8 8 58.78	0.007	13	0.26	24.374	16	33.5	58.89	16	33.5	G5	16	2674	A -7 1989
31		7.8A	26 26.358	-0.0007	13	-3 43 44.90	-0.012	13	0.27	26.369	16	33.5	44.70	16	33.5	K5	17	2721	A -3 1912
32		9.0A	26 29.224	-0.0010	09	-0 46 34.06	-0.017	11	0.22	29.238	17	36.6	33.84	17	36.6	A3	21	2194	A -0 1731
33		9.0A	26 30.250	-0.0007	09	-1 43 12.17	-0.025	11	0.22	30.259	17	36.6	11.84	17	36.6	A2	21	2196	A -1 1732
34		8.9A	26 30.335	-0.0011	09	-1 9 39.53	-0.026	11	0.22	30.350	17	36.6	39.19	17	36.6	K2 R	21	2195	A -0 1732
35		8.9A	26 31.668	-0.0010	12	-6 35 39.02	-0.033	12	0.25	31.685	16	33.5	38.47	16	33.5	G0	16	2675	A -6 2133
36		9.2A	26 36.637	-0.0025	12	-5 14 33.65	-0.006	13	0.26	36.678	16	33.3	33.55	16	33.3	K0 R	17	2723	A -5 2133
37		9.0A	26 43.010	-0.0057	09	-1 44 26.87	-0.087	11	0.22	43.086	17	36.6	25.72	17	36.6	F0 R	21	2197	A -1 1736
38		8.8A	26 43.263	-0.0012	12	-7 55 2.82	0.036	12	0.25	43.283	16	33.5	3.40	16	33.5	B8	16	2676	A -7 1995
39		7.8A	26 45.903	-0.0007	12	-4 26 13.66	-0.022	12	0.25	45.915	16	33.5	13.30	16	33.5	K0	17	2724	A -4 1965
40		5.8T	26 46.933	-0.0014	07	-1 48 3.31	-0.012	07	0.30	46.995	10	06.6	2.85	10	10.7	K2	GC	10017	B* -1 1738
41		9.1A	26 57.734	-0.0020	11	-3 7 22.65	0.006	11	0.23	57.766	16	33.5	22.75	16	33.5	A0	17	2725	A -2 2144
42		6.0T	26 59.856	0.0039	06	-7 26 54.39	0.128	06	0.26	59.695	12	09.1	59.68	10	08.6	F8	GC	10023	B* -7 1996
43		9.0A	27 1.681	-0.0009	11	-6 37 39.43	0.012	11	0.24	1.696	16	33.3	39.62	16	33.3	K0 R	16	2678	A -6 2135
44		8.7A	27 5.535	-0.0008	13	-4 54 41.49	-0.003	13	0.27	5.549	16	33.5	41.44	16	33.5	A2	17	2726	A -4 1967
45		8.7A	27 7.216	-0.0004	13	-5 30 1.41	-0.030	13	0.27	7.222	16	33.5	0.91	16	33.5	B9	17	2727	A -5 2137
46		8.4A	27 9.438	-0.0068	12	-6 35 25.93	0.042	12	0.25	9.550	16	33.5	26.61	16	33.5	F5	16	2680	A -6 2137
47		8.4A	27 11.764	-0.0008	12	-9 9 16.76	-0.008	12	0.25	11.778	16	33.5	16.62	16	33.5	A5	16	2681	A -8 1937
48		8.9A	27 13.020	-0.0015	09	-0 53 27.42	0.001	11	0.22	13.041	17	36.6	27.44	17	36.6	A5	21	2200	A -0 1734
49		9.0A	27 15.459	-0.0014	12	-8 48 58.58	0.025	12	0.25	15.481	16	33.5	58.98	16	33.5	A2	16	2682	A -8 1938
50		8.5A	27 17.779	-0.0010	13	-5 5 28.81	-0.021	13	0.27	17.795	16	33.5	28.46	16	33.5	A3	17	2728	A -4 1970
51		9.2A	7 27 18.714	-0.0014	09	-0 30 0.52	-0.023	11	0.22	18.733	17	36.6	0.22	17	36.6	A2 R	21	2201	A -0 1735
52		8.9A	27 21.516	-0.0010	09	-1 23 35.92	-0.027	11	0.22	21.530	17	36.6	35.56	17	36.6	K0 R	21	2202	A -1 1740
53		9.0A	27 24.255	-0.0009	13	-3 52 4.32	-0.007	13	0.27	24.270	16	33.5	4.21	16	33.5	A2	17	2729	A -3 1919
54		8.8A	27 26.647	-0.0008	12	-7 46 35.54	0.017	12	0.25	26.659	16	33.5	35.81	16	33.5	A0	16	2683	A -7 2001
55		9.0A	27 31.116	-0.0027	13	-3 39 13.19	-0.007	13	0.27	31.160	16	33.5	13.08	16	33.5	G5	17	2730	A -3 1920
56		9.0A	27 32.535	0.0002	11	-4 44 45.42	0.010	11	0.23	32.531	16	33.5	45.59	16	33.5	A0	17	2731	A -4 1973
57		8.8A	27 34.467	-0.0004	12	-7 36 27.13	0.010	12	0.25	34.473	16	33.5	27.29	16	33.5	A0	16	2684	A -7 2002
58		9.0A	27 40.160	-0.0011	13	-4 51 18.06	0.000	13	0.27	40.178	16	33.5	18.06	16	33.5	K5	17	2732	A -4 1975
59		8.1A	27 40.494	0.0002	11	-8 24 44.62	-0.038	11	0.23	40.491	16	33.5	43.98	16	33.5	F5	16	2685	A -8 1944
60		8.8A	27 43.361	0.0009	13	-4 28 59.14	-0.040	13	0.27	43.345	16	33.5	58.48	16	33.5	K2	17	2733	A -4 1976
61		8.6A	27 46.196	-0.0018	12	-6 34 17.86	-0.003	11	0.24	46.226	16	33.5	17.80	16	33.5	K0	16	2686	A -6 2141
62		9.2A	27 46.260	-0.0021	12	-2 33 37.13	-0.029	12	0.25	46.295	16	33.5	36.65	16	33.5	G8 F	17	2734	A -2 2149
63		9.0A	27 48.328	-0.0008	12	-8 56 33.19	-0.024	12	0.25	48.341	16	33.5	32.78	16	33.5	A2	16	2687	A -8 1945
64		9.0A	27 48.735	0.0010	11	-4 10 56.71	0.001	11	0.23	48.719	16	33.5	56.73	16	33.5	G8 F	17	2735	A -3 1921
65		8.3A	27 55.362	-0.0004	12	-6 51 40.50	0.007	12	0.25	55.369	16	33.5	40.61	16	33.5	F5	16	2688	A -6 2144
66		8.9A	27 57.618	-0.0017	09	-0 31 29.46	-0.033	11	0.22	57.641	17	36.6	29.03	17	36.6	M0 R	21	2204	A -0 1738
67		9.1A	28 0.008	-0.0021	12	-9 35 52.39	-0.029	12	0.25	0.043	16	33.5	51.90	16	33.5	A2	16	2689	A -9 2082
68		8.8A	28 10.581	-0.0013	12	-7 56 14.61	0.017	12	0.25	10.602	16	33.5	14.88	16	33.5	K5	16	2691	A -7 2007
69		8.2A	28 12.161	-0.0012	12	-8 57 1.60	-0.008	12	0.25	12.181	16	33.5	1.46	16	33.5	K0	16	2692	A -8 1948
70		8.8A	28 13.245	-0.0004	09	-1 0 54.88	-0.022	11	0.22	13.241	17	36.6	54.59	17	36.6	A0	21	2205	A -0 1740
71		8.1A	28 18.728	0.0003	12	-6 36 42.73	-0.007	12	0.25	18.723	16	33.5	42.61	16	33.5	A2	16	2693	A -6 2146
72		8.2A	28 19.308	0.0000	12	-9 12 14.63	0.009	12	0.25	19.307	16	33.5	14.77	16	33.5	A0	16	2694	A -9 2084
73		9.1A	28 20.512	-0.0013	12	-8 55 49.51	0.001	12	0.25	20.534	16	33.3	49.52	16	33.3	M2 R	16	2695	A -8 1950
74		6.4T	28 22.992	-0.0010	07	-5 7 13.49	-0.010	07	0.30	23.033	07	07.8	13.08	07	09.6	K0	GC	10053	-4 1979
75		5.6I	28 24.264	-0.0016	08	-9 40 15.41	-0.004	08	0.34	24.328	12	09.4	15.24	10	10.1	G5	GC	10054V	B* -9 2085
76		7.2T	28 27.748	0.0007	13	-2 3 31.11	-0.009	12	0.65	27.714	19	00.3	30.67	19	99.5	G5	GC	10058K	B* -1 1745
77		9.0A	28 39.218	-0.0027	13	-5 54 47.76	-0.012	13	0.27	39.263	16	33.5	47.56	16	33.5	K5	17	2738	A -5 2143
78		8.8A	28 40.225	-0.0017	09	-0 8 23.84	-0.045	11	0.22	40.269	17	36.6	23.23	17	36.6	F5	21	2211	A 0 1975
79		8.5A	28 40.629	-0.0029	13	-6 13 8.45	-0.016	13	0.27	40.671	16	33.5	8.18	16	33.5	K0	17	2740	A -6 2150
80		9.0A	28 44.086	-0.0016	09	-2 18 52.34	0.002	11	0.22	44.088	17	36.6	52.38	17	36.6	A5 R	21	2213	A -2 2156
81		6.6T	28 44.705	-0.0007	09	-1 1 8.67	-0.001	09	0.48	44.742	14	97.7	8.63	14	97.9	G5	GC	10068	-0 1743
82		8.4A	28 47.430	-0.0017	12	-5 14 16.28	-0.042	12	0.25	47.458	16	33.5	15.59	16	33.5	F8	17	2741	A -5 2145
83		8.5A	28 49.317	0.0004	12	-7 39 12.12	0.015	12	0.25	49.311	16	33.5	12.36	16	33.5	K0	16	2701	A -7 2012
84		8.0A	28 52.635	-0.0010	13	-4 34 21.02	0.017	13	0.27	52.652	16	33.5	21.30	16	33.5	K0	17	2742	A -4 1984
85		7.8A	28 59.708	-0.0001	12	-8 38 0.60	-0.004	12	0.25	59.709	16	33.5	0.52	16	33.5	K2	16	2703	A -8 1955
86		9.3A	29 2.562	0.0016	11	-6 56 8.56	0.013	11	0.24	2.535	16	33.3	8.77	16	33.3	F8 R	16	2704	A -6 2152
87		8.3A	29 5.455	-0.0018	12	-8 2 10.93	-0.014	12	0.25	5.485	16	33.5	10.69	16	33.5	F8	16	2705	A -7 2017
88		8.6A	29 11.306	-0.0013	12	-8 50 36.11	-0.010	12	0.25	11.327	16	33.5	35.93	16	33.5	K0	16	2707	A -8 1957
89		8.7A	29 12.708	0.0004	12	-6 40 54.80	0.009	12	0.25	12.702	16	33.5	54.94	16	33.5	B8	16	2706	A -6 2153
90		9.0A	29 17.477	0.0002	13	-4 15 9.13	-0.011	13	0.27	17.473	16	33.5	8.95	16	33.5	G5	17	2743	A -4 1986
91		8.7A	29 19.956	-0.0001	13	-5 28 33.92	0.000	13	0.27	19.957	16	33.5	33.92	16	33.5	B3	17	2744	A -5 2148
92		9.1A	29 20.185	-0.0005	09	-0 22 3.77	-0.047	11	0.22	20.172	17	36.6	3.14	17	36.6		21	2215	A -0 1745
93		9.0A	29 21.400	-0.0001	09	-5 39 48.02	-0.003	09	0.22	21.402	16	33.5	47.96	16	33.5	K0	17	2745	A -5 2149
94		8.8A	29 22.339	-0.0008	09	-1 14 59.06	-0.035	11	0.22	22.348	17	36.6	58.60	17	36.6	K0 R	21	2218	A -1 1750
95		8.8A	29 22.903	-0.0012	12	-8 36 17.90	-0.004	11	0.24	22.922	16	33.5	16.34	16	33.5	G0	16	2709	A -8 1959
96		8.3A	29 29.780	0.0001	13	-3 54 8.12	-0.051	13	0.27	29.779	16	33.5	7.28	16	33.5	K0	17	2746	A -3 1935
97		7.3A	29 30.835	-0.0007	17	-5 50 6.99	-0.016	17	0.31	30.847	16	33.5	6.72	16	33.5	K0	17	2747	A -5 2153
98		8.9A	29 32.416	-0.0017	11	-8 35 2.97	-0.008	11	0.23	32.443	16	33.5	2.83	16	33.5	A	16	2710	A -8 1961
99		8.7A	29 33.288	-0.0014	11	-8 34 47.90	-0.017	11	0.23	33.310	16	33.5	47.61	16	33.5	G	16	2712	A -8 1961
00		8.3A	29 34.664	-0.0012	12	-6 35 43.54	0.024	12	0.25	34.684	16	33.5	43.93	16	33.5	A0	16	2711	A -6 2156

134800

EPOCH 1950 — ORIGINAL EPOCH — SOURCE — − 0° 7H

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	α_{1950} h m s	μ s	σ_μ ".001	δ_{1950} ° ′ ″	μ' ″	σ_μ ".001	σ_{1950} ″	α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	DM NUMBER
1		8.7A	7 29 35.854	0.0011	12	-8 11 44.61	-0.008	12	0.25	35.835	16	33.5	44.47	16	33.5	K0	16	2713	A -8 1962
2		8.8A	29 38.287	0.0007	13	-3 6 9.28	-0.020	13	0.27	38.275	16	33.5	8.95	16	33.5	G8 F	17	2748	A -2 2163
3		9.0A	29 38.665	-0.0029	13	-4 16 9.97	-0.045	13	0.27	38.712	16	33.5	9.23	16	33.5	K5	17	2749	A -4 1987
4		8.3A	29 41.113	-0.0007	12	-4 56 1.99	-0.017	12	0.25	41.124	16	33.5	1.71	16	33.5	B9	17	2750	A -4 1988
5		8.3A	29 41.517	0.0006	11	-7 8 57.50	0.011	11	0.23	41.507	16	33.5	57.67	16	33.5	B8	16	2714	A -6 2157
6		6.0T	29 41.905	-0.0064	10	-8 46 16.44	-0.161	07	0.48	42.231	15	98.8	7.33	14	93.6	F5	GC	10090K	-8 1964
7		9.0A	29 45.887	-0.0005	09	-0 16 45.50	-0.037	11	0.22	45.895	17	36.6	45.00	17	36.6	K2 R	21	2219	A -0 1749
8		8.7A	29 49.897	-0.0017	11	-7 7 5.14	0.017	11	0.24	49.925	16	33.3	5.41	16	33.3	G5 R	16	2716	A -6 2159
9		9.0A	29 52.935	0.0010	12	-6 28 1.95	-0.001	12	0.25	52.919	16	33.5	1.92	16	33.5	G5	16	2718	A* -6 2158
10		7.8Q	29 53.248	-0.0020	11	-0 24 37.33	-0.082	07	0.47	53.340	17	04.0	32.87	15	95.8	F5	GC	10093	-0 1750
11		9.1A	30 0.948	0.0006	11	-7 10 10.74	-0.004	11	0.24	0.938	16	33.3	10.68	16	33.3	K2 R	16	2719	A -6 2161
12		9.0A	30 3.350	-0.0021	09	-2 3 42.03	-0.016	11	0.22	3.358	17	36.6	41.82	17	36.6	F8 R	21	2222	A -1 1754
13		8.8A	30 3.514	-0.0036	12	-7 36 5.58	0.005	12	0.25	3.573	16	33.5	5.66	16	33.5	F8	16	2720	A -7 2028
14		8.8A	30 4.706	-0.0022	13	-2 39 13.01	-0.015	13	0.27	4.742	16	33.5	12.77	16	33.5	A0	17	2752	A -2 2167
15		9.3A	30 7.036	-0.0023	12	-5 31 0.91	0.008	12	0.25	7.074	16	33.5	1.05	16	33.5	F8	17	2753	A -5 2158
16		8.6A	30 8.571	-0.0014	12	-7 59 20.26	0.003	12	0.25	8.594	16	33.5	20.31	16	33.5	K0	16	2721	A -7 2029
17		9.0A	30 10.888	-0.0002	09	-0 11 25.62	-0.038	11	0.22	10.891	17	36.6	25.12	17	36.6	A0	21	2223	A 0 1980
18		8.8A	30 16.484	-0.0015	09	-1 41 54.96	-0.014	11	0.22	16.504	17	36.6	54.78	17	36.6	F5	21	2224	A -1 1755
19		8.5A	30 16.779	-0.0013	13	-6 19 38.27	0.008	11	0.26	16.800	16	33.5	38.37	16	33.5	B8	17	2754	A -6 2162
20		6.8T	30 17.837	-0.0018	09	-1 55 33.55	-0.016	10	0.50	17.926	15	99.2	32.75	15	99.4	A0	GC	10100	-1 1756
21		8.1A	30 18.527	-0.0010	12	-9 33 40.21	-0.008	12	0.25	18.543	16	33.5	40.07	16	33.5	B8	16	2724	A -9 2096
22		8.8A	30 20.300	0.0008	12	-7 7 32.27	-0.001	12	0.25	20.287	16	33.3	32.26	16	33.3	G5 R	16	2723	A -6 2163
23		7.4A	30 21.278	0.0004	12	-9 18 9.72	-0.017	12	0.25	21.272	16	33.5	9.43	16	33.5	K2	16	2725	A -9 2097
24		7.9A	30 23.708	-0.0005	11	-7 10 34.97	-0.007	11	0.23	23.716	16	33.5	34.86	16	33.5	B9	16	2726	A -6 2165
25		8.5A	30 26.952	-0.0015	11	-7 50 6.46	0.003	11	0.23	26.977	16	33.5	6.51	16	33.5	B9	16	2727	A -7 2036
26		7.3A	30 32.722	0.0003	12	-6 45 23.58	-0.052	12	0.25	32.717	16	33.5	22.72	16	33.5	K0	16	2728	A -6 2166
27		9.2A	30 32.902	-0.0028	12	-8 56 26.57	-0.005	12	0.25	32.948	16	33.5	26.48	16	33.5	A0	16	2729	A -8 1971
28		9.1A	30 36.110	-0.0017	13	-3 28 29.94	0.012	13	0.27	36.138	16	33.5	30.14	16	33.5	K0 F	17	2755	A -3 1943
29		9.1A	30 38.053	0.0000	12	-9 35 53.41	0.019	12	0.25	38.052	16	33.5	53.72	16	33.5	K2	16	2731	A -9 2098
30		8.8A	30 38.242	-0.0003	09	-6 18 5.75	0.006	09	0.22	38.247	16	33.5	5.85	16	33.5	K5	17	2756	A -6 2167
31		9.0A	30 45.190	-0.0024	09	-1 30 12.58	-0.011	11	0.22	45.222	17	36.6	12.44	17	36.6	F0 R	21	2230	A -1 1758
32		9.1A	30 45.426	-0.0021	12	-9 29 12.82	-0.001	12	0.25	45.460	16	33.5	12.80	16	33.5	G5	16	2732	A -9 2101
33		9.0A	30 53.592	-0.0009	09	-1 3 51.90	-0.013	11	0.22	53.604	17	36.6	51.73	17	36.6	F5 R	21	2233	A -0 1755
34		8.5A	30 57.000	-0.0007	13	-4 18 27.92	-0.008	13	0.27	57.012	16	33.5	27.79	16	33.5	K0	17	2757	A -4 1996
35		7.3A	31 6.482	-0.0015	13	-6 7 4.31	-0.021	13	0.27	6.507	16	33.5	3.97	16	33.5	K0	17	2758	A -5 2165
36		9.2A	31 11.049	-0.0017	11	-8 15 5.31	-0.005	11	0.23	11.077	16	33.5	5.23	16	33.5	A2	16	2734	A -8 1973
37		9.0A	31 23.809	-0.0003	11	-8 44 42.68	-0.019	11	0.23	23.814	16	33.5	42.36	16	33.5	F5	16	2735	A -8 1975
38		8.5A	31 25.093	-0.0007	12	-9 34 19.26	-0.001	12	0.25	25.104	16	33.5	19.24	16	33.5	A5	16	2736	A -9 2106
39		9.0A	31 30.206	-0.0011	11	-4 39 27.27	0.017	11	0.23	30.225	16	33.5	27.54	16	33.5	F8	17	2759	A -4 2001
40		9.3A	31 32.204	-0.0004	12	-6 31 8.00	-0.010	12	0.25	32.211	16	33.3	7.83	16	33.3	K5 R	16	2737	A -6 2179
41		9.0A	31 32.403	-0.0002	13	-2 43 31.07	0.004	13	0.27	32.407	16	33.5	31.14	16	33.5	A2	17	2760	A -2 2178
42		9.0A	31 32.557	-0.0005	13	-3 38 21.06	0.002	13	0.27	32.565	16	33.5	21.10	16	33.5	A0 F	17	2761	A -3 1954
43		8.9A	31 32.679	-0.0014	09	-1 14 9.30	-0.022	11	0.22	32.697	17	36.6	9.01	17	36.6	K0 R	21	2235	A -1 1764
44		8.1A	31 37.678	-0.0025	12	-7 31 15.20	0.030	12	0.25	37.719	16	33.5	15.70	16	33.5	K0	16	2738	A -7 2041
45		9.0A	31 42.723	-0.0012	13	-3 8 15.87	-0.021	13	0.27	42.742	16	33.5	15.53	16	33.5	G5 F	17	2762	A -2 2180
46		9.0A	31 43.827	-0.0002	09	-0 53 55.98	-0.016	11	0.22	43.829	17	36.6	55.77	17	36.6	K0 R	21	2237	A -0 1757
47		8.1A	31 47.262	-0.0023	09	-1 12 30.64	-0.020	11	0.22	47.293	17	36.6	30.38	17	36.6	G5	21	2238	A -1 1765
48		9.1A	31 59.586	-0.0015	09	-2 13 12.32	0.000	11	0.22	59.606	17	36.6	12.33	17	36.6	A	21	2239	A -2 2182
49		8.5A	32 0.063	-0.0051	12	-6 47 9.03	-0.030	12	0.25	0.147	16	33.5	8.53	16	33.5	K0	16	2739	A -6 2184
50		8.8A	32 8.114	-0.0003	12	-8 33 58.41	-0.036	12	0.25	8.119	16	33.5	57.81	16	33.5	A5	16	2741	A -8 1984
51		8.8A	7 32 8.117	-0.0011	13	-6 18 5.54	-0.002	13	0.27	8.136	16	33.5	5.51	16	33.5	A0	17	2764	A -6 2185
52		8.3A	32 10.255	-0.0002	12	-9 44 59.76	-0.009	12	0.25	10.258	16	33.5	59.60	16	33.5	G5	16	2742	A -9 2114
53		8.4A	32 14.683	-0.0008	12	-3 31 25.06	-0.010	12	0.25	14.697	16	33.5	24.89	16	33.5	K0	17	2765	A -3 1959
54		9.0A	32 23.204	-0.0010	12	-7 46 34.48	-0.011	12	0.25	23.220	16	33.5	34.30	16	33.5	G5	16	2743	A -7 2047
55		8.5A	32 25.691	0.0001	13	-5 18 50.68	-0.002	13	0.27	25.688	16	33.5	50.65	16	33.5	A0	17	2766K	A -5 2173
56		8.7A	32 29.198	-0.0017	09	-2 13 51.55	-0.017	11	0.22	29.221	17	36.6	51.33	17	36.6	K0 R	21	2242	A -1 1768
57		9.2A	32 37.198	-0.0006	11	-8 56 6.22	-0.002	12	0.24	37.208	16	33.5	6.18	16	33.5	B9	16	2744	A -8 1987
58		9.2A	32 41.140	-0.0009	09	-0 2 20.93	-0.032	11	0.22	41.152	17	36.6	20.51	17	36.6	K0 R	21	2243	A 0 1999
59		9.0A	32 42.343	-0.0003	09	-1 10 44.67	-0.002	11	0.22	42.347	17	36.6	44.65	17	36.6	K2 R	21	2245	A -0 1762
60		8.5A	32 44.050	0.0001	11	-4 17 39.19	-0.010	11	0.23	44.049	16	33.5	39.03	16	33.5	F5	17	2768	A -4 2010
61		9.1A	32 48.814	0.0000	12	-9 24 8.37	-0.012	12	0.25	48.813	16	33.5	8.16	16	33.5	A2	16	2745	A -9 2117
62		9.0A	32 51.313	-0.0013	20	-4 30 36.54	-0.054	20	0.36	51.335	16	33.5	35.64	16	33.5	A0	17	2769	A -4 2011
63		8.9A	32 57.823	-0.0007	13	-5 4 0.89	-0.009	13	0.27	57.834	16	33.5	0.75	16	33.5	K0	17	2770	A -4 2013
64		9.1A	32 59.256	-0.0009	13	-5 52 29.38	-0.000	13	0.27	59.271	16	33.5	29.38	16	33.5	A0	17	2771	A -5 2175
65		9.0A	33 2.805	-0.0006	12	-7 40 19.14	0.022	12	0.25	2.814	16	33.5	19.51	16	33.5	A2	16	2746	A -7 2055
66		8.9A	33 5.686	-0.0012	13	-2 59 29.02	-0.009	13	0.27	5.705	16	33.5	28.87	16	33.5	K0 F	17	2772	A -2 2192
67		8.9A	33 6.855	-0.0001	12	-9 40 6.11	-0.039	12	0.25	6.856	16	33.5	5.46	16	33.5	A0	16	2747	A -9 2121
68		8.7A	33 16.156	-0.0004	13	-4 5 15.73	-0.006	13	0.27	16.161	16	33.5	15.62	16	33.5	A2	17	2773	A -3 1966
69		9.1A	33 21.262	0.0010	12	-9 54 51.09	-0.017	12	0.25	21.245	16	33.5	50.81	16	33.5	K2	16	2750	A -9 2124
70		9.2A	33 22.728	-0.0031	12	-8 7 12.03	-0.022	12	0.25	22.779	16	33.5	11.67	16	33.5	A2	16	2748K	A -7 2057
71		8.5A	33 22.909	-0.0014	12	-8 14 6.74	-0.001	12	0.25	22.932	16	33.5	6.73	16	33.5	A2	16	2749	A -8 1991
72		8.2A	33 27.610	-0.0002	13	-3 15 22.93	0.016	13	0.27	27.614	16	33.5	23.20	16	33.5	A0	17	2774	A -3 1968
73		8.7A	33 28.197	-0.0023	12	-7 54 14.22	-0.021	12	0.25	28.235	16	33.5	13.88	16	33.5	K2 R	16	2751	A -7 2060
74		8.6A	33 29.940	-0.0004	12	-7 8 55.64	-0.026	12	0.25	29.947	16	33.5	55.21	16	33.5	A0	16	2752	A -6 2190
75		7.1T	33 31.942	-0.0192	10	-3 2 29.39	0.104	11	0.53	32.876	14	01.2	34.47	15	01.1	G5	GC	10185	-2 2197
76		9.0A	33 32.718	-0.0012	12	-2 52 58.53	-0.009	12	0.25	32.738	16	33.5	58.38	16	33.5	B8 F	17	2775	A -2 2196
77		8.4A	33 36.149	-0.0003	12	-9 12 2.43	-0.029	12	0.25	36.154	16	33.5	1.95	16	33.5	G5	16	2753	A -8 1993
78		9.0A	33 38.018	0.0014	09	-0 25 6.32	-0.036	11	0.22	37.999	17	36.6	5.83	17	36.6	F0 R	21	2249	A -0 1765
79		8.9A	33 38.170	-0.0025	09	-0 1 29.34	-0.117	11	0.22	38.204	17	36.6	27.78	17	36.6	A0	21	2248	A 0 2011
80		8.2A	33 39.110	-0.0021	13	-5 40 5.84	-0.016	13	0.27	39.145	16	33.5	5.58	16	33.5	K0	17	2777	A -5 2178
81		8.3A	33 46.418	-0.0016	13	-6 14 33.37	-0.000	13	0.27	46.444	16	33.5	33.37	16	33.5	A2	17	2778	A -6 2191
82		8.9A	33 50.822	-0.0016	12	-7 55 5.23	-0.012	12	0.25	50.848	16	33.5	5.03	16	33.5	A0	16	2755	A -7 2064
83		6.4T	33 51.637	0.0020	08	-8 11 57.08	-0.001	07	0.31	51.551	07	07.9	57.04	07	09.8	K2	GC	10192	-7 2065
84		9.0A	33 53.021	-0.0008	13	-6 19 14.72	-0.025	13	0.27	53.034	16	33.5	14.31	16	33.5	A2	17	2780	A -6 2193
85		9.0A	33 55.490	-0.0019	13	-3 12 58.69	0.003	13	0.27	55.521	16	33.5	58.74	16	33.5	A0	17	2779	A -3 1971
86		8.8A	33 57.424	-0.0007	09	-1 47 19.53	-0.008	11	0.22	57.433	17	36.6	19.43	17	36.6	A	21	2255	A -1 1774
87		9.1A	33 57.793	-0.0006	12	-7 27 43.20	0.038	12	0.25	57.803	16	33.5	43.83	16	33.5	F0	16	2759	A -7 2067
88		9.1A	34 2.822	-0.0009	13	-5 33 59.64	-0.012	13	0.27	2.836	16	33.5	59.84	16	33.3	G0 R	17	2783	A -5 2181
89		9.0A	34 5.394	-0.0002	13	-3 6 28.95	-0.018	13	0.27	5.397	16	33.5	28.66	16	33.5	A0	17	2782	A -2 2201
90		9.0A	34 6.845	0.0002	12	-8 18 59.17	-0.016	12	0.25	6.842	16	33.5	58.91	16	33.5	A2	16	2760	A -8 1995
91		9.0A	34 11.976	-0.0015	17	-4 3 28.58	0.010	17	0.31	12.001	16	33.5	28.75	16	33.5	A0	17	2784	A -3 1974
92		9.5A	34 16.069	-0.0027	14	-1 32 54.82	-0.023	14	0.26	16.105	17	36.6	54.52	17	36.6	A2 R	21	2256	A* -1 1776
93		8.9A	34 19.676	0.0000	12	-9 29 27.85	-0.010	12	0.25	19.675	16	33.5	27.68	16	33.5	K5	16	2762	A -9 2135
94		9.0A	34 22.604	-0.0015	13	-4 43 45.79	0.006	13	0.27	22.629	16	33.5	45.89	16	33.5	K0	17	2785	A -4 2017
95		8.9A	34 31.664	-0.0017	12	-8 38 38.54	0.035	12	0.25	31.692	16	33.5	39.11	16	33.5	G5	16	2763K	A -8 1997
96		9.0A	34 33.385	-0.0034	13	-5 47 28.98	0.007	13	0.27	33.442	16	33.3	29.10	16	33.3	K2 R	17	2786	A -5 2183
97		8.6A	34 40.088	-0.0026	09	-1 5 8.13	-0.052	11	0.22	40.123	17	36.6	7.44	17	36.6	G5	21	2257	A -0 1766
98		8.8A	34 40.588	0.0002	13	-3 46 51.35	-0.010	13	0.27	40.585	16	33.5	51.19	16	33.5	K0 F	17	2787	A -3 1977
99		5.2H	34 47.496	-0.0049	01	-3 59 52.74	0.014	01	0.05	47.651	02	18.6	53.19	02	16.4	F5	F4	289	-3 1979
00		8.8A	34 49.519	-0.0013	12	-3 4 19.50	-0.001	12	0.25	49.540	16	33.5	19.49	16	33.5	K2 F	17	2789	A -2 2206

134900

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	EPOCH 1950 μ s	EPOCH 1950 σ_μ ″.001	EPOCH 1950 δ_{1950} ° ′ ″	EPOCH 1950 μ' ″	EPOCH 1950 $\sigma_{\mu'}$ ″.001	EPOCH 1950 σ_{1950} ″	ORIGINAL EPOCH α_2 s	ORIGINAL EPOCH σ ″.01	ORIGINAL EPOCH ep.	ORIGINAL EPOCH δ_2 ″	ORIGINAL EPOCH σ' ″.01	ORIGINAL EPOCH ep.	SP.		SOURCE CAT.	SOURCE STAR NUMBER	DM NUMBER
1		9.0A	7 34 49.669	-0.0011	09	-1 38 25.16	-0.015	11	0.22	49.683	17	36.6	24.96	17	36.6	A2	R	21	2258	A -1 1778
2		8.0A	34 57.308	-0.0013	09	-1 55 24.38	-0.012	11	0.22	57.326	17	36.6	24.23	17	36.6	K5		21	2260	A -1 1779
3		9.0A	34 58.942	-0.0006	09	-0 52 39.23	-0.081	11	0.22	58.950	17	36.6	38.15	17	36.6	F5		21	2259	A -0 1768
4		8.5A	35 1.830	-0.0026	09	-1 15 40.33	-0.019	11	0.22	1.868	17	36.6	40.08	17	36.6	K2		21	2261	A -1 1780
5		8.9A	35 5.007	0.0002	12	-9 8 33.00	-0.019	11	0.24	5.003	16	33.5	32.68	16	33.5	A2		16	2764	A -8 2001
6		9.0A	35 9.881	-0.0014	09	-0 19 27.62	-0.015	11	0.22	9.899	17	36.6	27.42	17	36.6	K5	R	21	2262	A -0 1769
7		7.8A	35 14.778	-0.0011	12	-9 42 41.10	0.002	12	0.25	14.796	16	33.5	41.13	16	33.5	K0		16	2767	A -9 2143
8		9.0A	35 15.530	-0.0008	12	-8 17 44.22	-0.010	12	0.25	15.542	16	33.5	44.06	16	33.5	B8		16	2766	A -8 2002
9		8.6A	35 16.307	-0.0012	12	-8 34 25.42	-0.005	12	0.25	16.327	16	33.5	25.33	16	33.5	A2		16	2769	A -8 2003
10		8.7A	35 16.420	-0.0000	13	-6 5 32.42	-0.010	13	0.27	16.420	16	33.5	32.26	16	33.5	A2		17	2791	A -5 2187
11		7.4A	35 17.693	-0.0010	12	-7 36 48.22	0.002	12	0.25	17.709	16	33.5	48.25	16	33.5	A3		16	2770	A -7 2082
12		9.2A	35 17.841	-0.0012	12	-7 8 29.17	-0.030	12	0.25	17.861	16	33.5	28.68	16	33.5	A2	R	16	2768K	A -6 2206
13		7.8A	35 17.921	-0.0021	13	-2 28 58.52	-0.047	13	0.27	17.956	16	33.5	57.75	16	33.5	A5		17	2790K	A -2 2207
14		8.6A	35 19.351	-0.0011	12	-7 20 20.61	0.007	12	0.25	19.369	16	33.5	20.73	16	33.5	K2		16	2771	A -7 2083
15		9.0A	35 19.997	-0.0018	09	-1 35 51.55	-0.014	11	0.22	20.021	17	36.6	51.37	17	36.6	K0	R	21	2263	A -1 1783
16		9.0A	35 21.316	-0.0006	12	-9 6 36.22	0.035	12	0.25	21.326	16	33.5	36.79	16	33.5	A0		16	2772	A -8 2005
17		8.4A	35 24.214	-0.0015	13	-3 9 49.86	-0.002	13	0.27	24.258	16	33.5	49.83	16	33.5	A3		17	2792	A -2 2208
18		6.7T	35 25.235	-0.0006	14	-6 50 38.33	-0.004	14	0.71	25.252	17	01.7	38.13	17	01.6	B9		GC	10244	-6 2207
19		8.2A	35 26.370	-0.0014	13	-3 20 53.35	0.024	13	0.27	26.392	16	33.5	53.75	16	33.5	K5		17	2793	A -3 1987
20		8.9A	35 28.350	-0.0005	12	-8 35 23.72	-0.032	12	0.25	28.338	16	33.5	23.19	16	33.5	G5		16	2777	A -8 2006
21		8.6A	35 28.579	-0.0011	13	-7 50 54.53	0.006	13	0.27	28.597	16	33.5	54.63	16	33.5	K5		16	2776	A -7 2086
22		8.9A	35 29.038	-0.0018	11	-7 12 38.57	0.002	09	0.22	29.068	16	33.5	38.61	16	33.5	K2	R	16	2775	A -7 2085
23		9.1A	35 29.238	-0.0013	12	-6 29 28.63	-0.015	12	0.25	29.259	16	33.5	28.39	16	33.5	A2		16	2774K	A -6 2210
24		6.9T	35 36.503	0.0001	16	-8 0 42.60	0.004	14	0.79	36.496	17	98.7	42.80	18	99.6	G5		GC	10249	-7 2088
25		9.0A	35 38.290	-0.0006	13	-5 33 23.22	0.002	13	0.27	38.300	16	33.5	23.26	16	33.5	B8		17	2794	A -5 2190
26		9.0A	35 43.821	-0.0005	13	-5 27 23.17	-0.007	13	0.27	43.830	16	33.3	23.06	16	33.3	K0	R	17	2795	A -5 2192
27		8.3A	35 48.689	-0.0007	12	-4 52 57.45	-0.018	12	0.25	48.701	16	33.5	57.15	16	33.5	A0		17	2796	A -4 2027
28		9.0A	35 54.531	-0.0013	12	-8 13 38.05	0.007	12	0.25	54.552	16	33.5	38.17	16	33.5	K0		16	2779	A -8 2008
29		8.6A	35 59.956	0.0006	13	-5 40 27.97	-0.035	13	0.27	59.946	16	33.5	27.40	16	33.5	G5		17	2797	A -5 2194
30		8.9A	36 0.804	-0.0004	12	-9 42 57.80	-0.036	12	0.25	0.811	16	33.5	57.20	16	33.5	K0	R	16	2780	A -9 2148
31		8.9A	36 5.857	0.0000	12	-7 30 50.28	0.001	12	0.25	5.856	16	33.5	50.30	16	33.5	A2		16	2781	A -7 2091
32		9.1A	36 9.104	0.0008	12	-9 56 9.88	-0.033	12	0.25	9.090	16	33.5	9.33	16	33.5	A0		16	2782	A -9 2149
33		8.3A	36 10.661	-0.0010	09	-1 20 15.21	-0.022	11	0.22	10.675	17	36.6	14.92	17	36.6	A0		21	2266K	A -1 1787
34		8.0A	36 14.782	0.0013	13	-4 52 34.79	-0.041	13	0.27	14.761	16	33.5	34.11	16	33.5	F0		17	2798	A -4 2028
35		9.2A	36 16.668	-0.0017	09	-1 16 41.48	-0.007	11	0.22	16.691	17	36.6	41.39	17	36.6	A2	R	21	2267	A -1 1788
36		7.8A	36 22.596	0.0153	13	-5 20 55.88	-0.130	13	0.27	22.344	16	33.5	53.74	16	33.5	G0		17	2799	A -5 2196
37		7.5A	36 23.244	-0.0010	09	-0 8 43.51	-0.023	11	0.22	23.258	17	36.6	43.21	17	36.6	MA		21	2269	A 0 2029
38		8.4A	36 24.605	-0.0002	13	-4 40 44.70	-0.021	13	0.27	24.608	16	33.5	44.35	16	33.5	B9		17	2800	A -4 2031
39		8.9A	36 32.952	-0.0017	09	-0 34 44.28	-0.024	11	0.22	32.975	17	36.6	43.97	17	36.6	M0	R	21	2270	A -0 1775
40		8.9A	36 35.223	0.0008	12	-9 51 33.05	-0.164	12	0.25	35.210	16	33.5	30.34	16	33.5	F8		16	2783	A -9 2154
41		8.8A	36 38.881	-0.0025	13	-5 33 16.17	0.015	13	0.27	38.923	16	33.5	16.42	16	33.5	A0		17	2801	A -5 2198
42		9.2A	36 40.216	-0.0013	09	-0 38 15.03	-0.011	11	0.22	40.234	17	36.6	14.89	17	36.6	K0	R	21	2272	A -0 1777
43		8.7A	36 46.012	0.0007	12	-9 50 38.19	-0.004	12	0.25	46.000	16	33.5	38.12	16	33.5	A0		16	2784	A -9 2156
44		9.0A	36 54.336	-0.0026	13	-6 16 14.59	-0.025	13	0.27	54.379	16	33.3	14.18	16	33.3	K2	R	17	2802	A -6 2221
45		9.0A	36 56.458	-0.0016	09	-1 2 13.90	0.009	11	0.22	56.479	17	36.6	14.02	17	36.6	A0		21	2273	A -0 1778
46		8.8A	36 56.993	0.0002	11	-7 29 54.26	0.016	11	0.23	56.990	16	33.5	54.53	16	33.5	A0		16	2787	A -7 2100
47		9.0A	37 3.125	-0.0019	09	-1 10 46.62	0.005	11	0.22	3.151	17	36.6	46.69	17	36.6	K0	R	21	2274	A -0 1780
48		9.7G	37 17.163	0.0090	26	-1 24 9.84	-0.237	26	1.04	16.806	19	10.1	0.41	21	10.2	G0		GC	10298	-1 1792
49		9.4A	37 17.189	-0.0016	13	-5 18 22.51	-0.007	13	0.27	17.215	16	33.5	22.40	16	33.5	K2	F	17	2803	A -5 2201
50		7.8A	37 21.900	-0.0059	13	-6 7 42.00	0.004	13	0.27	21.997	16	33.5	42.07	16	33.5	G5		17	2804	A -5 2202
51		9.0A	7 37 26.102	-0.0007	12	-5 11 8.56	-0.031	12	0.25	26.113	16	33.5	8.05	16	33.5	F2		17	2805	A -4 2040
52		8.5A	37 27.253	-0.0021	13	-4 41 37.92	-0.091	13	0.27	27.288	16	33.5	36.41	16	33.5	G5		17	2806	A -4 2042
53		8.2A	37 27.626	-0.0029	09	-1 45 30.09	0.010	11	0.22	27.665	17	36.6	30.23	17	36.6	B8		21	2276	A -1 1793
54		7.2T	37 29.114	0.0048	11	-3 28 39.29	-0.290	10	0.58	28.851	15	95.8	23.69	15	96.2	K2		GC	10304	-3 2001
55		8.9A	37 30.845	-0.0001	13	-2 25 53.57	-0.013	13	0.27	30.847	16	33.5	53.36	16	33.5	K2	F	17	2808	A -2 2232
56		8.8A	37 31.658	-0.0002	11	-7 24 8.18	0.010	11	0.23	31.660	16	33.5	8.35	16	33.5	K2		16	2790	A -7 2107
57		9.0A	37 32.644	-0.0009	09	-1 17 59.09	0.007	11	0.22	32.656	17	36.6	59.19	17	36.6	K0	R	21	2277	A -1 1794
58		9.1A	37 32.685	0.0048	13	-3 28 59.97	-0.270	13	0.27	32.605	16	33.5	55.52	16	33.5	K2	F	17	2809	A -3 2002
59		9.0A	37 33.811	-0.0030	09	-1 25 28.61	-0.027	11	0.22	33.851	17	36.6	28.26	17	36.6	F0	R	21	2278	A -1 1795
60		8.6A	37 34.255	-0.0005	13	-3 32 21.57	-0.024	13	0.27	34.264	16	33.5	21.18	16	33.5	K4	F	17	2810	A -3 2003
61		8.8A	37 38.042	-0.0007	11	-6 37 18.49	0.002	11	0.23	38.053	16	33.5	18.52	16	33.5	K0		16	2791	A -6 2231
62		9.0A	37 44.665	-0.0020	09	-0 42 27.61	-0.014	11	0.22	44.711	17	36.6	27.43	17	36.6	A0		21	2279	A -0 1781
63		8.7A	37 48.037	-0.0024	13	-5 57 42.62	0.006	13	0.27	48.077	16	33.5	42.72	16	33.5	K2		17	2811	A -5 2205
64		8.8A	37 59.448	-0.0012	09	-1 42 43.55	-0.008	11	0.22	59.464	17	36.6	43.45	17	36.6	B9		21	2280	A -1 1797
65		9.0A	38 0.957	-0.0016	13	-3 34 28.01	-0.013	13	0.27	0.984	16	33.5	27.79	16	33.5	A2		17	2812	A -3 2007
66		8.9A	38 1.877	-0.0009	12	-6 47 36.17	0.012	12	0.25	1.892	16	33.5	36.37	16	33.5	G5		16	2792	A -6 2233
67		9.1A	38 2.284	-0.0047	09	-1 3 43.68	0.119	11	0.22	2.347	17	36.6	45.28	17	36.6	G0	R	21	2281	A -0 1784
68		9.1A	38 8.523	-0.0009	09	-1 1 55.87	-0.014	11	0.22	8.535	17	36.6	55.69	17	36.6	A5	R	21	2282	A -0 1785
69		6.0T	38 10.377	0.0007	08	-8 4 6.06	-0.040	07	0.39	10.339	15	99.1	4.17	14	02.8	A2		GC	10331	-7 2118
70		9.4A	38 10.503	-0.0021	13	+5 37 4.47	-0.006	13	0.27	10.538	16	33.3	4.37	16	33.3	K0	R	17	2813	A -5 2208
71		9.0A	38 13.310	-0.0001	12	-9 15 19.01	0.010	12	0.25	13.311	16	33.5	19.17	16	33.5	A0		16	2794	A -9 2165
72		8.7A	38 19.388	0.0004	13	-5 37 49.23	0.007	13	0.27	19.381	16	33.5	49.35	16	33.5	K2		17	2814	A -5 2209
73		8.9A	38 21.901	-0.0024	09	-0 35 6.56	-0.017	11	0.22	21.934	17	36.6	6.34	17	36.6	K5	R	21	2284	A -0 1786
74		8.9A	38 22.886	-0.0004	11	-9 25 29.75	-0.012	11	0.23	22.873	16	33.5	29.54	16	33.5	K0		16	2795	A -9 2169
75		8.4A	38 25.984	-0.0005	12	-7 10 28.96	0.014	12	0.25	25.992	16	33.5	29.20	16	33.5	F0		16	2796	A -6 2235
76		8.4A	38 27.743	-0.0034	11	-6 36 6.30	-0.056	11	0.23	27.800	16	33.5	5.38	16	33.5	F5		16	2797	A -6 2237
77		9.0A	38 28.743	-0.0020	13	-4 40 10.91	0.002	13	0.27	28.777	16	33.5	10.94	16	33.5	F2		17	2815	A -4 2045
78		8.9A	38 30.779	-0.0041	09	-1 16 55.77	-0.042	11	0.22	30.834	17	36.6	55.21	17	36.6	G0		21	2285K	A -1 1798
79		8.5A	38 31.787	-0.0022	13	-2 33 45.09	-0.016	13	0.27	31.823	16	33.5	44.83	16	33.5	K2	F	17	2816	A -2 2235
80		9.2A	38 32.329	-0.0015	12	-8 12 17.91	-0.001	12	0.25	32.354	16	33.5	17.89	16	33.5	A2		16	2798	A -7 2121
81		8.6A	38 33.766	-0.0008	12	-8 15 32.03	-0.010	11	0.24	33.780	16	33.5	31.87	16	33.5	K2		16	2800	A -8 2026
82		8.6A	38 34.798	-0.0002	12	-6 48 15.25	0.016	12	0.25	34.799	16	33.5	15.52	16	33.5	A2		16	2799	A -6 2238
83		9.0A	38 34.875	-0.0003	11	-4 48 59.47	-0.016	11	0.23	34.880	16	33.5	59.20	16	33.5	F5		17	2817	A -4 2047
84		8.8A	38 36.765	-0.0003	12	-7 11 54.73	-0.017	12	0.25	38.770	16	33.5	54.45	16	33.5	K2		16	2801	A -6 2239
85		8.5A	38 46.369	-0.0006	09	-1 25 26.48	0.002	11	0.22	46.378	17	36.6	26.51	17	36.6	B9		21	2286	A -1 1801
86		4.1H	38 51.466	-0.0052	02	-9 25 59.53	-0.024	02	0.06	51.639	03	16.8	58.67	03	14.4	K0		F4	293	-9 2172
87		9.2A	38 53.116	-0.0010	12	-8 57 32.75	0.025	12	0.25	53.132	16	33.5	53.16	16	33.5	A2		16	2804	A -8 2029
88		9.3A	38 54.079	-0.0020	09	-2 9 50.79	-0.002	11	0.22	54.106	17	36.6	50.77	17	36.6	A5	R	21	2287	A -1 1802
89		8.6A	38 59.916	-0.0008	12	-9 5 30.59	-0.008	12	0.25	59.930	16	33.5	30.45	16	33.5	MA		16	2805	A -8 2030
90		8.6A	39 4.220	-0.0004	13	-7 43 28.28	-0.005	13	0.27	4.227	16	33.5	28.20	16	33.5	K2		16	2806	A -7 2126
91		9.0A	39 10.930	0.0010	12	-6 36 56.69	-0.013	12	0.25	10.914	16	33.5	56.48	16	33.5	F5		16	2807	A -6 2242
92		9.2A	39 11.084	-0.0003	09	-1 12 0.09	-0.001	11	0.22	11.088	17	36.6	0.08	17	36.6	A0	R	21	2288	A -0 1789
93		8.8A	39 14.596	-0.0031	11	-9 20 14.46	0.022	12	0.24	14.648	16	33.5	14.82	16	33.5	F0		16	2808	A -9 2175
94		8.9A	39 18.048	-0.0018	12	-9 21 46.20	0.005	12	0.25	18.077	16	33.5	46.28	16	33.5	B9		16	2810	A -9 2176
95		8.0A	39 19.017	-0.0027	12	-7 1 56.91	0.013	12	0.25	19.062	16	33.5	57.13	16	33.5	F0		16	2809	A -6 2243
96		9.1A	39 26.478	-0.0008	12	-8 34 54.49	-0.048	12	0.25	26.492	16	33.5	53.70	16	33.5	K5		16	2811	A -8 2034
97		8.2A	39 32.722	-0.0000	09	-5 40 28.42	-0.002	09	0.22	32.722	16	33.5	28.39	16	33.5	F5		17	2818	A -5 2216
98		9.0A	39 34.819	-0.0011	13	-3 42 47.35	0.000	13	0.27	34.837	16	33.5	47.35	16	33.5	G2	F	17	2819	A -3 2017
99		9.1G	39 41.329	-0.0017	16	-3 24 14.37	-0.021	13	0.67	41.399	19	07.3	13.42	21	04.4	K5		GC	10359K	-3 2018
00		8.5G	39 42.473	-0.0011	07	-3 24 3.78	-0.023	04	0.34	42.526	17	99.4	2.29	15	85.2	K5		GC	10360K	-3 2019

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135000

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	EPOCH 1950 μ s	σ_μ .001	EPOCH 1950 δ_{1950} ° ′ ″	EPOCH 1950 μ' ″	σ'_μ .001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ .01	ep.	δ_2 ″	σ' .01	ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	DM NUMBER
1		8.9A	7 39 44.486	-0.0029	13	-3 34 7.08	-0.017	13	0.27	44.534	16	33.5	6.80	16	33.5	F5	17	2822	A -3 2020
2		8.3A	39 46.490	0.0005	12	-7 13 0.11	-0.047	12	0.25	46.481	16	33.5	-59.33	16	33.5	K2	16	2813	A -7 2134
3		9.0A	39 52.696	-0.0010	09	-0 41 55.30	-0.003	11	0.22	52.710	17	36.6	55.26	17	36.6	A2	21	2289	A -0 1792
4		9.0A	39 54.184	-0.0023	09	-1 49 25.31	-0.004	11	0.22	54.214	17	36.6	25.26	17	36.6	K0 R	21	2290	A -1 1806
5		8.8A	39 55.997	-0.0014	13	-6 23 28.22	-0.009	13	0.27	56.020	16	33.5	28.07	16	33.5	K0	17	2823	A -6 2247
6		8.8A	39 57.405	-0.0006	12	-7 47 40.53	0.007	12	0.25	57.415	16	33.5	40.65	16	33.5	A2	16	2815	A -7 2136
7		9.2A	39 59.442	-0.0008	13	-6 55 7.93	-0.008	13	0.27	59.456	16	33.5	7.80	16	33.5	G5 R	16	2816	A -6 2249
8		8.5A	39 59.478	-0.0003	12	-7 24 30.45	-0.010	12	0.25	59.483	16	33.5	30.28	16	33.5	K5	16	2817	A -7 2137
9		8.0A	40 0.349	-0.0001	12	-7 12 28.73	-0.012	11	0.24	0.350	16	33.5	28.53	16	33.5	A0	16	2818	A -6 2250
10		8.3Q	40 4.486	-0.0020	12	-3 54 26.80	-0.022	07	0.47	4.567	18	08.7	25.72	17	01.0	A5	GC	10370K	B* -3 2023
11		8.7A	40 5.849	-0.0023	13	-5 37 37.87	0.002	13	0.27	5.886	16	33.5	37.91	16	33.5	A5	17	2826	A -5 2218
12		8.9A	40 6.110	-0.0019	09	-2 1 57.38	-0.016	11	0.22	6.135	17	36.6	57.37	17	36.6	A2 R	21	2291	A -1 1811
13		9.5A	40 7.089	-0.0014	13	-4 38 20.93	-0.008	13	0.27	7.111	16	33.5	20.80	16	33.5	M1 F	17	2827	A -4 2055
14		8.2A	40 7.651	-0.0007	13	-2 33 53.62	-0.010	13	0.27	7.662	16	33.5	53.46	16	33.5	A0	17	2825	A -2 2251
15		8.9A	40 9.625	-0.0012	13	-2 56 13.27	-0.031	13	0.27	9.644	16	33.5	12.76	16	33.5	A2	17	2828	A -2 2252
16		9.1A	40 14.080	0.0000	11	-7 49 22.47	-0.042	11	0.23	14.079	16	33.5	21.78	16	33.5	G5	16	2819	A -7 2140
17		8.8A	40 15.372	-0.0003	12	-9 25 40.05	-0.006	12	0.25	15.377	16	33.5	39.95	16	33.5	K2	16	2821	A -9 2183
18		8.9A	40 16.551	-0.0020	13	-7 46 36.20	0.019	13	0.27	16.584	16	33.5	36.52	16	33.5	K2 R	16	2820	A -7 2141
19		8.8A	40 17.244	-0.0016	12	-8 2 47.66	-0.017	12	0.25	17.271	16	33.5	47.37	16	33.5	K0	16	2822	A -7 2142
20		8.7A	40 23.182	-0.0021	12	-4 6 24.40	-0.001	12	0.25	23.217	16	33.5	24.38	16	33.5	K0	17	2829	A -3 2025
21		9.0A	40 27.958	-0.0010	13	-2 40 33.83	-0.003	13	0.27	27.974	16	33.5	33.78	16	33.5	G5 F	17	2830	A -2 2254
22		9.0A	40 42.535	0.0000	13	-4 51 50.74	-0.014	13	0.27	42.535	16	33.5	50.50	16	33.5	K0 F	17	2831	A -4 2058
23		7.5A	40 44.961	0.0002	13	-4 0 39.12	-0.055	13	0.27	44.959	16	33.5	38.22	16	33.5	F0	17	2832	A -3 2028
24		9.1A	40 45.737	-0.0009	12	-8 6 10.08	0.004	12	0.25	45.752	16	33.5	10.15	16	33.5	F8	16	2823	A -7 2148
25		9.0A	40 47.090	-0.0008	13	-5 3 15.23	-0.014	13	0.27	47.103	16	33.5	15.00	16	33.5	A0	17	2833	A -4 2060
26		9.0A	40 50.802	-0.0016	09	-1 23 14.57	-0.016	11	0.22	50.823	17	36.6	14.36	17	36.6	A0	21	2296	A -1 1814
27		8.9A	40 53.844	-0.0008	12	-9 28 8.00	0.031	12	0.25	53.858	16	33.5	8.51	16	33.5	K2 R	16	2825	A -9 2188
28		9.0A	40 55.482	-0.0017	13	-5 11 43.93	-0.013	13	0.27	55.510	16	33.5	43.72	16	33.5	A0	17	2834	A -4 2061
29		8.9A	40 56.110	0.0000	12	-7 18 28.42	0.001	12	0.25	56.109	16	33.5	28.43	16	33.5	K5	16	2824	A -7 2150
30		7.0T	41 3.283	-0.0008	13	-4 33 37.63	-0.006	13	0.69	3.322	17	98.8	37.31	17	99.2	B9	GC	10391	-4 2062
31		8.2A	41 4.210	0.0001	09	-1 13 40.69	-0.027	11	0.22	4.209	17	36.6	40.34	17	36.6	K2	21	2298	A -1 1816
32		9.0A	41 6.553	-0.0007	13	-5 33 28.70	-0.007	13	0.27	6.565	16	33.5	28.59	16	33.5	G5	17	2837	A -5 2222
33		9.0A	41 8.545	-0.0027	09	-2 5 46.55	-0.002	11	0.22	8.581	17	36.6	46.53	17	36.6	A5 R	21	2299	A -1 1818
34		6.8T	41 8.576	-0.0027	14	-4 35 16.41	-0.021	12	0.74	8.719	18	96.1	15.24	18	94.5	G5	GC	10395	-4 2063
35		8.8A	41 12.206	-0.0006	13	-6 11 21.56	-0.010	13	0.27	12.216	16	33.5	21.40	16	33.5	K5	17	2839	A -5 2223
36		8.9A	41 12.786	-0.0016	09	-1 2 53.15	-0.012	11	0.22	12.807	17	36.6	53.00	17	36.6	K5 R	21	2300	A -0 1794
37		9.0A	41 19.752	-0.0028	09	-1 14 26.77	0.001	11	0.22	19.789	17	36.6	26.79	17	36.6	K0 R	21	2301	A -1 1819
38		8.6A	41 20.722	-0.0010	12	-4 28 56.72	0.010	12	0.25	20.739	16	33.5	56.89	16	33.5	A3	17	2840	A -4 2064
39		8.2A	41 25.666	0.0006	12	-7 9 19.35	0.035	12	0.25	25.656	16	33.5	19.93	16	33.5	K0	16	2828	A -6 2260
40		8.5A	41 26.973	-0.0005	13	-5 33 7.43	-0.005	13	0.27	26.982	16	33.5	7.35	16	33.5	K2	17	2841	A -5 2225
41		8.3A	41 27.762	-0.0005	12	-6 35 35.07	-0.012	12	0.25	27.770	16	33.5	34.87	16	33.5	A3	16	2829	A -6 2261
42		8.0A	41 40.646	-0.0029	13	-3 7 49.87	-0.029	13	0.27	40.694	16	33.5	49.39	16	33.5	F8	17	2842	A -2 2263
43		9.0A	41 40.884	-0.0017	13	-5 44 6.22	0.001	13	0.27	40.912	16	33.5	6.24	16	33.5	K5	17	2843	A -5 2229
44		9.3A	41 41.565	-0.0016	12	-7 48 3.18	-0.007	12	0.25	41.592	16	33.5	3.07	16	33.5	G5	16	2830	A -7 2157
45		8.8A	41 42.258	0.0002	09	-0 35 57.74	-0.030	11	0.22	42.255	17	36.6	57.34	17	36.6	A0	21	2302	A -0 1799
46		8.5A	41 45.986	-0.0008	13	-4 23 23.03	-0.022	13	0.27	46.000	16	33.5	22.67	16	33.5	G5	17	2844	A -4 2067
47		8.9A	41 50.681	0.0004	12	-9 14 45.97	0.015	12	0.25	50.675	16	33.5	46.21	16	33.5	K5 R	16	2831	A -9 2197
48		7.9Q	41 51.435	-0.0008	12	-4 56 11.76	0.187	11	0.57	51.470	14	04.5	20.37	15	03.9	G0	GC	10418	-4 2069
49		9.0A	41 53.668	-0.0018	13	-2 54 6.25	-0.017	13	0.27	53.697	16	33.5	5.97	16	33.5	G8 F	17	2846	A -2 2265
50		9.0A	41 55.247	0.0008	12	-6 34 32.12	-0.003	12	0.25	55.234	16	33.5	32.07	16	33.5	F0	16	2832	A -6 2263
51		8.6A	7 41 59.147	0.0004	12	-5 15 6.02	-0.009	12	0.25	59.140	16	33.5	5.88	16	33.5	A2	17	2847	A -5 2230
52		8.9A	41 59.646	0.0000	11	-9 26 33.88	-0.013	11	0.23	59.645	16	33.5	33.66	16	33.5	A2	16	2833	A -9 2199
53		9.1A	42 8.411	-0.0001	12	-6 43 7.84	-0.007	11	0.23	8.412	16	33.5	7.73	16	33.5	K0 R	16	2835	A -6 2265
54		8.7A	42 8.429	-0.0041	12	-7 10 4.90	0.002	12	0.25	8.497	16	33.5	4.93	16	33.5	G0	16	2836	A -6 2266
55		8.8A	42 15.876	-0.0007	09	-0 51 15.20	-0.009	11	0.22	15.885	17	36.6	15.08	17	36.6	K2 R	21	2304	A -0 1802
56		9.0A	42 17.705	-0.0022	09	-0 28 50.64	-0.007	11	0.22	17.735	17	36.6	50.55	17	36.6	A2 R	21	2305	A -0 1803
57		8.5A	42 20.939	-0.0006	12	-8 16 15.56	-0.026	12	0.25	20.949	16	33.5	15.13	16	33.5	K5	16	2837	A -8 2049
58		8.2A	42 22.565	0.0004	09	-1 12 36.53	-0.022	11	0.22	22.559	17	36.6	36.24	17	36.6	+++	21	2306	A -0 1805
59		9.3A	42 24.761	0.0021	12	-6 47 45.97	0.042	12	0.25	24.727	16	33.5	46.66	16	33.5	A5	16	2838	A -6 2268
60		9.2A	42 27.034	-0.0013	09	-2 14 17.70	0.010	11	0.22	27.052	17	36.6	17.84	17	36.6	K2 R	21	2307	A -1 1828
61		9.0A	42 38.831	-0.0018	09	-0 26 36.24	-0.016	11	0.22	38.855	17	36.6	36.03	17	36.6	M0 R	21	2308	A -0 1807
62		6.9T	42 43.133	-0.0003	14	-4 19 53.73	-0.059	13	0.73	43.146	17	98.4	50.64	17	97.8	K5	GC	10449	-4 2075
63		8.0A	42 45.211	-0.0007	09	-0 18 58.91	-0.016	11	0.22	45.221	17	36.6	58.70	17	36.6	A0	21	2309	A -0 1808
64		8.0A	42 48.672	-0.0034	09	-0 23 29.12	-0.013	11	0.22	48.718	17	36.6	28.95	17	36.6	F2	21	2310	A -0 1809
65		9.0A	42 51.459	-0.0025	09	-1 31 9.11	0.000	11	0.22	51.492	17	36.6	9.12	17	36.6	A	21	2311	A -1 1829
66		9.0A	42 57.372	-0.0031	12	-8 24 20.41	-0.030	12	0.25	57.422	16	33.5	19.92	16	33.5	A5	16	2844	A -8 2054
67		9.1A	43 2.477	-0.0010	12	-7 28 11.84	0.033	12	0.25	2.493	16	33.5	12.39	16	33.5	B8	16	2846	A -7 2171
68		8.9A	43 3.595	-0.0018	12	-7 44 9.40	-0.001	12	0.25	3.625	16	33.5	9.39	16	33.5	A0	16	2847	A -7 2172
69		9.0A	43 6.438	-0.0006	12	-6 39 29.97	0.002	12	0.25	6.447	16	33.5	30.01	16	33.5	A2	16	2848	A -6 2274
70		9.4A	43 8.212	-0.0026	13	-2 4 44.73	0.013	13	0.27	8.255	16	33.3	44.95	16	33.3	M0 R	17	2855	A -1 1831
71		8.9A	43 11.592	0.0004	11	-7 57 4.88	0.001	11	0.23	11.586	16	33.5	4.90	16	33.5	A0	16	2850	A -7 2177
72		9.1A	43 11.795	-0.0013	11	-2 48 15.26	-0.020	11	0.23	11.816	16	33.6	14.93	16	33.6	K0 F	17	2856	A -2 2277
73		9.0A	43 14.071	-0.0014	09	-1 2 6.17	-0.006	11	0.22	14.090	17	36.6	6.09	17	36.6	A2	21	2312	A -0 1813
74		7.0T	43 15.039	-0.0014	10	-5 33 21.36	-0.003	08	0.52	15.111	15	97.1	21.20	15	95.3	A0	GC	10457	-5 2237
75		8.8A	43 22.548	-0.0010	12	-7 6 30.11	-0.004	12	0.25	22.564	16	33.5	30.05	16	33.5	K2	16	2851	A -6 2277
76		8.1A	43 25.070	-0.0018	12	-7 24 22.70	-0.032	11	0.24	25.100	16	33.5	22.17	16	33.5	F8	16	2852	A -7 2178
77		9.1A	43 27.201	-0.0005	12	-6 37 29.22	-0.006	12	0.25	27.209	16	33.5	29.11	16	33.5	G5 R	16	2853	A -6 2278
78		8.7A	43 34.365	-0.0017	12	-9 38 42.68	-0.013	12	0.25	34.393	16	33.5	42.46	16	33.5	G5	16	2856	A -9 2213
79		5.7T	43 35.349	0.0034	07	-6 38 53.88	-0.097	06	0.30	35.196	12	05.6	49.67	10	06.7	K2	GC	10465	B* -6 2281
80		8.8A	43 35.953	-0.0002	12	-8 19 59.19	-0.008	12	0.25	35.957	16	33.5	59.06	16	33.5	K0	16	2857	A -8 2059
81		8.0A	43 40.514	-0.0014	13	-3 50 15.96	0.028	13	0.27	40.537	16	33.6	16.42	16	33.6	A0	17	2858	A -3 2053
82		9.1A	43 45.677	-0.0085	09	-0 59 25.78	0.003	11	0.22	45.791	17	36.6	25.82	17	36.6	G5	21	2313	A -0 1817
83		9.1A	43 53.813	-0.0014	13	-2 20 17.69	0.016	13	0.27	53.836	16	33.6	17.95	16	33.6	G5 F	17	2859	A -2 2282
84		9.2A	44 1.770	0.0003	13	-9 20 51.17	0.012	13	0.27	1.765	16	33.5	51.36	16	33.5	G0 R	16	2859	A -9 2218
85		8.3A	44 3.398	-0.0011	13	-5 19 22.37	-0.014	13	0.27	3.415	16	33.6	22.15	16	33.6	K2	17	2860	A -5 2242
86		8.0A	44 7.122	-0.0025	13	-6 12 59.95	-0.007	13	0.27	7.164	16	33.6	59.84	16	33.6	A2	17	2862	A -5 2243
87		9.0A	44 7.552	-0.0014	13	-3 24 13.40	0.023	13	0.27	7.574	16	33.6	13.78	16	33.6	F6 F	17	2861	A -3 2059
88		8.9A	44 12.382	-0.0001	11	-3 2 55.20	-0.014	11	0.23	12.383	16	33.6	54.98	16	33.6	B9 F	17	2863	A -2 2286
89		8.5A	44 14.361	-0.0007	12	-3 34 12.17	-0.005	12	0.25	14.372	16	33.6	12.09	16	33.6	A0	17	2864	A -3 2060
90		8.2A	44 15.119	-0.0013	12	-3 45 50.08	0.005	12	0.25	15.140	16	33.6	50.17	16	33.6	+++	17	2865	A* -3 2061
91		9.0A	44 22.168	0.0010	11	-4 52 2.42	-0.014	11	0.23	22.152	16	33.6	2.18	16	33.6	K0	17	2866	A -4 2085
92		9.6A	44 24.797	-0.0015	13	-2 35 1.72	-0.011	13	0.27	24.822	16	33.6	1.54	16	33.6	F8 F	17	2867	A -2 2288
93		8.3A	44 25.430	-0.0004	12	-8 41 46.61	-0.011	12	0.25	25.436	16	33.5	46.42	16	33.5	G5	16	2861	A -8 2063
94		8.7A	44 26.342	-0.0003	13	-3 33 22.05	0.006	13	0.27	26.347	16	33.6	22.15	16	33.6	A0	17	2868	A -3 2062
95		9.0A	44 27.311	0.0008	13	-4 49 48.30	0.037	13	0.27	27.298	16	33.6	48.90	16	33.6	G0	17	2869	A -4 2086
96		9.0A	44 28.351	-0.0010	12	-8 43 12.84	0.012	12	0.25	28.367	16	33.5	13.03	16	33.5	A0	16	2862	A -8 2064
97		9.2A	44 31.942	-0.0016	09	-1 8 30.50	-0.002	11	0.22	31.963	17	36.6	30.48	17	36.6	F0 R	21	2319	A -0 1821
98		8.8A	44 32.691	-0.0010	12	-8 9 56.17	-0.006	12	0.25	32.708	16	33.5	56.07	16	33.5	K0	16	2863	A -7 2185
99		8.7A	44 34.950	0.0007	11	-6 42 35.84	-0.031	11	0.23	34.938	16	33.5	35.33	16	33.5	K2	16	2864	A -6 2290
00		8.8A	44 45.220	0.0004	13	-4 6 6.11	0.005	13	0.27	45.213	16	33.6	6.20	16	33.6	M3 F	17	2870	A -3 2063

135100

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	EPOCH 1950 μ s	EPOCH 1950 σ_μ ″.001	EPOCH 1950 δ_{1950} ° ′ ″	EPOCH 1950 μ' ″	EPOCH 1950 $\sigma_{\mu'}$ ″.001	EPOCH 1950 σ_{1950} ″	ORIGINAL EPOCH α_2 s	ORIGINAL EPOCH σ ″.01	ORIGINAL EPOCH ep.	ORIGINAL EPOCH δ_2 ″	ORIGINAL EPOCH σ' ″.01	ORIGINAL EPOCH ep.	SP.		SOURCE CAT.	SOURCE STAR NUMBER	DM NUMBER
1		9.4A	7 44 48.828	-0.0003	12	-5 35 4.82	-0.028	12	0.25	48.632	16	33.6	4.37	16	33.6	K5		17	2871	A -5 2246
2		9.1A	44 57.372	0.0000	12	-7 55 13.64	-0.000	12	0.25	57.371	16	33.5	13.64	16	33.5	A0		16	2865	A -7 2188
3		9.2A	45 2.749	-0.0024	09	-2 7 32.12	-0.007	11	0.22	2.782	17	36.2	32.03	17	36.2	A5	R	21	2322	A -1 1838
4		9.0A	45 4.193	-0.0002	12	-8 51 21.09	-0.028	12	0.25	4.197	16	33.5	20.62	16	33.5	G0	R	16	2866	A -8 2069
5		9.1A	45 7.294	-0.0002	12	-8 50 2.58	-0.035	12	0.25	7.296	16	33.6	2.00	16	33.6	K2		16	2868	A -8 2070
6		9.3A	45 7.893	-0.0014	12	-7 46 21.85	-0.004	11	0.24	7.916	16	33.5	21.79	16	33.5	K5	R	16	2867	A -7 2191
7		9.4A	45 9.929	-0.0007	13	-5 27 32.94	-0.001	13	0.27	9.941	16	33.6	32.96	16	33.6	A0		17	2873	A -5 2249
8		8.8A	45 14.167	-0.0016	11	-5 34 47.04	-0.002	11	0.24	14.193	16	33.3	47.01	16	33.3	A2	R	17	2874	A -5 2251
9		8.0A	45 17.733	-0.0016	13	-3 24 16.89	-0.009	13	0.27	17.759	16	33.6	17.04	16	33.6	A0		17	2875	A -3 2065
10		9.0A	45 28.895	-0.0009	13	-5 20 10.80	-0.030	13	0.27	28.910	16	33.6	10.31	16	33.6	A0		17	2877	A -5 2253
11		9.0A	45 30.982	0.0000	13	-2 28 34.79	0.006	13	0.27	30.981	16	33.6	34.89	16	33.6	F2	F	17	2876	A -2 2296
12		9.3A	45 31.977	-0.0006	11	-9 48 43.52	-0.031	11	0.23	31.987	16	33.6	43.01	16	33.6	A0		16	2871	A -9 2230
13		9.1A	45 33.487	-0.0001	12	-7 11 43.61	-0.004	12	0.25	33.488	16	33.6	43.55	16	33.6	F5		16	2870	A -6 2303
14		9.1A	45 34.462	-0.0008	12	-8 39 26.07	-0.016	12	0.25	34.474	16	33.6	25.80	16	33.6	A0		16	2872	A -8 2075
15		9.0A	45 34.832	0.0002	11	-3 49 33.29	-0.053	11	0.23	34.829	16	33.6	32.42	16	33.6	G5		17	2878	A -3 2068
16		8.5A	45 37.341	0.0009	13	-5 46 24.93	-0.036	13	0.27	37.326	16	33.6	24.34	16	33.6	K0		17	2880	A -5 2255
17		8.7A	45 37.889	-0.0011	13	-2 50 32.10	-0.006	13	0.27	37.907	16	33.6	32.00	16	33.6	K2	F	17	2879	A -2 2298
18		6.9T	45 49.212	-0.0011	09	-6 38 54.71	0.032	09	0.46	49.265	15	99.6	56.31	15	99.9	A3		GC	10528	-6 2305
19		9.2A	45 52.824	-0.0037	09	-0 0 51.28	-0.025	11	0.22	52.875	17	36.2	50.94	17	36.2	A2	R	21	2324	A 0 2095
20		9.2A	45 53.146	0.0004	12	-6 55 57.82	0.005	12	0.25	53.146	16	33.6	57.90	16	33.6	A2		16	2874	A -6 2306
21		8.5A	45 53.389	-0.0015	12	-4 39 40.36	-0.000	12	0.25	53.414	16	33.6	40.35	16	33.6	A2		17	2881K	A -4 2092
22		8.9A	45 57.101	-0.0014	13	-5 31 35.85	0.001	13	0.27	57.124	16	33.6	35.87	16	33.6	A0		17	2882	A -5 2257
23		9.1A	45 57.163	-0.0025	12	-9 49 23.88	-0.010	12	0.25	57.205	16	33.5	23.71	16	33.5	K0	R	16	2875	A -9 2232
24		8.9A	46 2.179	-0.0012	12	-8 2 53.76	0.005	12	0.25	2.199	16	33.6	53.84	16	33.6	A2		16	2876	A -7 2195
25		8.6A	46 3.838	-0.0026	09	-0 37 7.40	-0.020	11	0.22	3.874	17	36.2	7.13	17	36.2	K0		21	2325	A -0 1828
26		8.9A	46 3.978	0.0007	13	-3 40 29.94	-0.025	13	0.27	3.967	16	33.6	29.52	16	33.6	A2		17	2883	A -3 2074
27		8.8A	46 9.639	-0.0017	09	-0 8 0.50	-0.007	11	0.22	9.662	17	36.2	0.41	17	36.2	B8		21	2326	A 0 2098
28		8.4A	46 11.595	-0.0027	11	-5 56 34.55	-0.018	11	0.23	11.639	16	33.6	34.26	16	33.6	K0		17	2884	A -5 2258
29		9.3A	46 20.836	-0.0009	11	-6 33 8.46	-0.015	11	0.23	20.851	16	33.6	8.21	16	33.6	F2		16	2877	A -6 2310
30		9.0A	46 21.687	-0.0020	09	-1 48 40.46	0.011	11	0.22	21.714	17	36.2	40.61	17	36.2	M0	R	21	2330	A -1 1841
31		8.6A	46 28.827	-0.0020	11	-2 45 1.54	-0.005	11	0.23	28.859	16	33.6	1.46	16	33.6	A0		17	2885	A -2 2301
32		8.4A	46 33.070	-0.0019	13	-3 8 51.54	0.018	13	0.27	33.100	16	33.6	51.84	16	33.6	A3		17	2886	A -2 2302
33		9.0A	46 34.242	-0.0021	13	-4 53 27.85	-0.002	13	0.27	34.276	16	33.6	27.81	16	33.6	B9		17	2887	A -4 2096
34		8.6A	46 42.745	-0.0020	09	-1 33 11.20	-0.009	11	0.22	42.772	17	36.2	11.07	17	36.2	K5		21	2331	A -1 1842
35		7.9A	46 43.031	0.0004	13	-4 31 56.94	-0.009	13	0.27	43.023	16	33.6	56.79	16	33.6	K0		17	2888	A -4 2097
36		9.0A	46 50.113	-0.0022	09	-1 41 36.84	0.020	11	0.22	50.143	17	36.2	37.11	17	36.2	F8	R	21	2332	A -1 1843
37		9.1A	46 56.083	-0.0005	12	-6 37 12.13	0.026	12	0.25	56.091	16	33.5	12.56	16	33.5	K2	R	16	2881	A -6 2315
38		9.6A	47 1.376	0.0006	12	-7 13 59.06	0.035	12	0.25	1.366	16	33.5	59.64	16	33.5	A0	R	16	2882	A -6 2317
39		8.9A	47 5.628	-0.0008	09	-4 27 4.29	-0.019	09	0.22	5.641	16	33.6	3.98	16	33.6	K0		17	2890	A -4 2100
40		9.0A	47 6.028	-0.0019	13	-3 10 52.14	0.005	13	0.27	6.059	16	33.6	52.23	16	33.6	G8	F	17	2889	A -2 2305
41		8.5A	47 7.096	0.0003	12	-7 53 28.05	0.005	12	0.25	7.091	16	33.6	28.13	16	33.6	A0		16	2883	A -7 2201
42		9.0A	47 10.095	-0.0016	12	-7 53 59.07	-0.044	12	0.25	10.122	16	33.5	58.35	16	33.5	G0	R	16	2884	A -7 2203
43		8.5A	47 14.999	-0.0011	12	-9 49 8.15	-0.023	11	0.24	15.017	16	33.6	7.77	16	33.6	K2		16	2885	A -9 2239
44		9.0A	47 15.997	-0.0006	13	-3 17 25.28	-0.013	13	0.27	16.006	16	33.6	25.07	16	33.6	K0	F	17	2891	A -3 2082
45		8.5A	47 18.420	-0.0017	09	-1 56 20.94	-0.023	11	0.22	18.444	17	36.2	20.63	17	36.2	F5		21	2333	A -1 1845
46		8.6A	47 18.449	-0.0014	12	-8 10 53.21	0.005	12	0.25	18.471	16	33.6	53.29	16	33.6	F8		16	2887	A -7 2205
47		8.0A	47 24.353	-0.0005	11	-2 33 48.34	0.009	11	0.23	24.361	16	33.6	48.49	16	33.6	A0		17	2892	A -2 2306
48		9.1A	47 25.834	-0.0011	12	-8 25 25.34	-0.004	11	0.24	25.852	16	33.6	25.27	16	33.6	A2		16	2888	A -7 2206
49		8.2A	47 25.851	-0.0005	11	-8 27 10.08	0.004	11	0.23	25.859	16	33.6	10.20	16	33.6	MA		16	2889	A -8 2090
50		9.0A	47 26.205	-0.0016	09	-1 20 31.66	-0.033	11	0.22	26.227	17	36.2	31.21	17	36.2	F8	R	21	2334	A -1 1846
51		9.0A	7 47 29.500	-0.0013	13	-4 24 49.68	0.001	13	0.27	29.521	16	33.6	49.70	16	33.6	F5		17	2894	A -4 2102
52		9.1A	47 31.655	0.0019	12	-8 20 24.73	0.010	12	0.25	31.623	16	33.6	24.90	16	33.6	A0		16	2890	A -8 2091
53		8.6A	47 34.668	-0.0023	12	-9 8 49.65	-0.008	12	0.25	34.706	16	33.6	49.51	16	33.6	K5		16	2891	A -8 2092
54		8.0A	47 34.741	0.0006	09	-1 33 16.37	-0.027	11	0.22	34.733	17	36.2	16.00	17	36.2	K0		21	2336	A -1 1848
55		9.3A	47 36.056	-0.0019	11	-8 35 47.93	0.010	11	0.23	36.087	16	33.6	48.09	16	33.6	F0		16	2892	A -8 2093
56		8.2A	47 40.066	-0.0009	12	-2 33 53.22	-0.013	12	0.25	40.080	16	33.6	53.01	16	33.6	K0	F	17	2895	A -2 2307
57		8.2A	47 41.735	-0.0012	09	-1 19 53.87	-0.016	11	0.22	41.752	17	36.2	53.66	17	36.2	A0		21	2337	A -1 1849
58		5.8T	47 46.381	-0.0005	06	-9 3 21.48	-0.000	05	0.25	46.401	12	08.5	21.47	10	05.9	K2		GC	10578	B* -8 2096
59		8.9A	47 53.265	-0.0006	12	-7 47 13.30	-0.005	12	0.25	53.275	16	33.6	13.22	16	33.6	A0		16	2894	A -7 2211
60		7.0T	48 0.572	-0.0030	10	-3 28 12.06	-0.012	08	0.50	0.729	15	96.6	11.42	15	96.2	A3		GC	10587	-3 2087
61		8.5A	48 2.114	-0.0010	09	-1 28 55.25	-0.012	11	0.22	2.128	17	36.2	55.09	17	36.2	A0		21	2338	A -1 1853
62		8.8A	48 3.022	-0.0132	12	-6 43 9.19	0.025	12	0.25	3.240	16	33.6	9.60	16	33.6	G0		16	2895	A -6 2325
63		8.5A	48 5.657	-0.0024	13	-3 11 31.42	-0.012	13	0.27	5.696	16	33.6	31.22	16	33.6	A0		17	2897	A -2 2311
64		7.5T	48 9.201	-0.0009	13	-5 40 29.59	0.002	12	0.64	9.243	18	00.9	29.69	18	99.9	A0		GC	10591	-5 2267
65		8.8A	48 10.744	-0.0002	12	-6 54 22.31	0.005	12	0.25	10.747	16	33.6	22.39	16	33.6	K5		16	2896	A -6 2326
66		9.1A	48 12.219	-0.0023	12	-3 40 17.85	-0.005	12	0.25	12.258	16	33.6	17.77	16	33.6	A2		17	2899	A -3 2091
67		8.8A	48 18.113	-0.0016	09	-1 14 13.61	-0.018	11	0.22	18.135	17	36.2	13.37	17	36.2	K5		21	2340	A -1 1855
68		8.5A	48 18.783	-0.0004	11	-4 58 4.55	-0.016	11	0.23	18.775	16	33.6	4.29	16	33.6	K0		17	2902	A -4 2104
69		8.9A	48 19.671	-0.0045	13	-5 15 35.29	-0.054	13	0.27	19.745	16	33.6	34.40	16	33.6	F8		17	2903	A -5 2270
70		8.9A	48 20.218	-0.0001	13	-3 26 55.14	0.005	13	0.27	20.218	16	33.6	55.23	16	33.6	K0	F	17	2900	A -3 2093
71		8.3A	48 21.412	-0.0012	12	-2 22 1.21	-0.014	12	0.25	21.431	16	33.6	0.98	16	33.6	A0		17	2901	A -2 2315
72		8.9A	48 28.405	0.0014	12	-8 22 33.40	-0.024	12	0.25	28.382	16	33.6	33.01	16	33.6	A0		16	2897	A -8 2100
73		8.3Q	48 28.696	-0.0009	09	-2 59 34.21	0.005	06	0.41	28.740	17	03.8	34.49	15	95.0	G5		GC	10602K	B* -2 2316
74		9.0A	48 37.800	-0.0010	11	-8 39 48.69	0.007	11	0.23	37.816	16	33.6	48.80	16	33.6	K2		16	2899	A -8 2103
75		9.0A	48 42.061	-0.0019	09	-0 20 47.50	0.000	11	0.22	42.088	17	36.2	47.51	17	36.2	F5		21	2343	A -0 1843
76		9.1A	48 43.966	0.0001	09	-0 19 55.31	-0.103	11	0.22	43.964	17	36.2	53.90	17	36.2	K0		21	2345	A -0 1844
77		8.8A	48 47.582	-0.0037	12	-9 29 54.68	-0.042	12	0.25	47.642	16	33.6	53.98	16	33.6	G0		16	2900	A -9 2253
78		8.6A	48 48.790	-0.0025	09	-1 56 2.92	0.010	11	0.22	48.825	17	36.2	3.06	17	36.2	K0		21	2346	A -1 1860
79		8.9A	48 49.444	-0.0001	11	-5 4 6.96	0.003	11	0.24	49.445	16	33.3	7.01	16	33.3	M0	R	17	2905	A -4 2110
80		6.7T	48 56.497	-0.0017	16	-9 16 33.56	0.006	12	0.68	56.573	18	04.3	33.84	17	01.7	A0		GC	10616K	B* -9 2254
81		7.2A	49 5.147	-0.0019	12	-6 51 15.68	-0.014	12	0.25	5.178	16	33.6	15.45	16	33.6	A2		16	2902	A -6 2334
82		8.9A	49 13.601	-0.0002	13	-2 40 25.25	-0.002	13	0.27	13.605	16	33.6	25.22	16	33.6	K8	F	17	2906	A -2 2317
83		9.1A	49 16.331	-0.0010	12	-6 50 9.22	-0.021	12	0.25	16.347	16	33.6	8.88	16	33.6	B9		16	2904	A -6 2335
84		9.0A	49 19.133	-0.0017	12	-9 45 16.95	-0.003	12	0.25	19.160	16	33.6	16.89	16	33.6	A0		16	2905	A -9 2256
85		9.1A	49 21.157	-0.0012	12	-8 9 55.88	0.001	11	0.24	21.176	16	33.6	55.90	16	33.6	A0		16	2906	A -7 2225
86		8.9A	49 23.117	0.0000	12	-7 47 50.65	0.017	12	0.25	23.116	16	33.6	50.93	16	33.6	G5		16	2907	A -7 2227
87		8.6A	49 23.563	-0.0012	12	-9 10 35.67	-0.018	12	0.25	23.583	16	33.6	35.37	16	33.6	K0		16	2908	A -8 2110
88		9.0A	49 32.577	0.0030	12	-9 4 8.52	-0.055	12	0.25	32.527	16	33.6	7.61	16	33.6	K0		16	2909	A -8 2112
89		7.3A	49 32.966	-0.0033	12	-9 31 35.12	-0.020	12	0.25	33.021	16	33.6	34.78	16	33.6	A3		16	2910	A -9 2258
90		6.9T	49 37.962	-0.0024	06	-2 55 29.44	-0.006	04	0.22	38.061	07	07.8	29.18	07	05.2	A5		GC	10635K	B* -2 2322
91		9.0A	49 44.089	-0.0023	12	-7 17 17.09	0.015	11	0.24	44.127	16	33.5	17.34	16	33.5	G5	R	16	2911	A -7 2230
92		9.1A	49 45.554	-0.0012	12	-8 38 4.28	-0.012	12	0.25	45.573	16	33.6	4.08	16	33.6	K0		16	2913	A -8 2113
93		9.0A	49 48.705	-0.0003	12	-7 15 21.74	-0.001	11	0.24	48.710	16	33.5	21.72	16	33.5	K5	R	16	2914	A -7 2231
94		8.5A	49 52.967	-0.0014	12	-6 40 29.41	-0.032	12	0.25	52.989	16	33.6	28.88	16	33.6	A2		16	2915	A -6 2339
95		9.2A	49 58.217	-0.0010	12	-8 8 51.01	-0.004	12	0.25	58.233	16	33.6	50.95	16	33.6	A0		16	2917	A -7 2233
96		9.0A	49 58.574	-0.0010	13	-2 59 24.21	-0.023	13	0.27	58.590	16	33.6	23.83	16	33.6	F8	F	17	2908	A -2 2324
97		8.8A	49 59.185	-0.0008	12	-7 4 30.50	0.005	12	0.25	59.197	16	33.6	30.58	16	33.6	A0		16	2916	A -6 2340
98		7.8A	50 3.714	-0.0007	12	-2 29 28.90	-0.003	12	0.25	3.725	16	33.6	28.85	16	33.6	MA		17	2909	A -2 2325
99		9.0A	50 6.650	-0.0005	13	-5 53 9.93	-0.014	13	0.27	6.657	16	33.6	10.16	16	33.6	A0		17	2911	A -5 2276
00		8.5A	50 6.896	-0.0030	13	-5 47 38.63	-0.025	13	0.27	6.944	16	33.6	38.22	16	33.6	K0		17	2912	A -5 2277

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135200

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ s	σ_μ .001"	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ .001"	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ .01"	ep.	δ_2 ″	σ' .01"	ep.	SP.	CAT.	SOURCE STAR NUMBER	DM NUMBER
1		8.7A	7 50 8.437	-0.0021	09	-2 8 49.19	0.005	11	0.22	8.466	17	36.2	49.26	17	36.2	K5 R	21	2349	A -1 1870
2		9.4A	50 9.542	-0.0011	09	-1 38 43.46	0.002	11	0.22	9.557	17	36.2	43.48	17	36.2	K0 R	21	2350	A -1 1869
3		8.5A	50 13.405	0.0004	13	-4 34 38.02	-0.071	13	0.27	13.398	16	33.6	36.85	16	33.6	K2	17	2913	A -4 2124
4		8.7A	50 18.773	-0.0027	13	-3 46 43.78	0.005	13	0.27	18.817	16	33.6	43.87	16	33.6	K1 F	17	2914	A -3 2106
5		5.7T	50 19.702	-0.0018	06	-5 17 51.48	-0.031	05	0.25	19.776	12	08.0	50.14	10	06.5	F2	GC	10649	-5 2280
6		9.2A	50 21.640	0.0006	12	-9 8 32.80	-0.012	12	0.25	21.630	16	33.6	32.60	16	33.6	A0	16	2918	A -8 2123
7		8.9A	50 23.586	-0.0007	13	-3 48 54.84	0.008	13	0.27	23.598	16	33.6	54.98	16	33.6	G8 F	17	2916	A -3 2107
8		8.5A	50 25.507	-0.0010	09	-1 18 25.58	0.002	11	0.22	25.520	17	36.2	25.61	17	36.2	A0	21	2352	A -1 1873
9		9.1A	50 26.169	-0.0003	12	-7 50 27.76	-0.002	12	0.25	26.174	16	33.6	27.73	16	33.6	A0	16	2919	A -7 2236
10		8.6A	50 26.413	-0.0055	09	-1 53 1.94	0.005	11	0.22	26.488	17	36.2	2.01	17	36.2	G5	21	2353	A -1 1872
11		8.8A	50 29.108	-0.0011	09	-0 57 1.28	0.013	11	0.22	29.123	17	36.2	1.46	17	36.2	K0	21	2354	A -0 1849
12		9.2A	50 34.089	0.0023	11	-6 47 1.36	-0.011	12	0.24	34.052	16	33.5	1.18	16	33.5	K2 R	16	2920	A -6 2346
13		9.0A	50 34.919	-0.0026	13	-4 44 30.84	-0.014	13	0.27	34.962	16	33.6	30.61	16	33.6	K5	17	2917	A -4 2126
14		9.0A	50 35.640	-0.0008	12	-7 16 23.17	0.005	11	0.24	35.654	16	33.6	23.25	16	33.6	A0	16	2921	A -7 2238
15		9.2A	50 48.838	-0.0003	12	-7 54 52.57	0.006	12	0.25	48.843	16	33.5	52.67	16	33.5	M8 R	16	2923	A -7 2239
16		8.8A	50 49.059	-0.0016	13	-2 54 40.73	-0.007	13	0.27	49.085	16	33.6	40.62	16	33.6	B8 F	17	2918	A -2 2331
17		9.0A	50 49.140	0.0005	12	-6 49 30.53	-0.018	12	0.25	49.131	16	33.6	30.23	16	33.6	A0	16	2922	A -6 2347
18		8.8A	50 56.244	-0.0033	09	-2 6 40.90	-0.003	11	0.22	56.290	17	36.2	40.86	17	36.2	K5 R	21	2357	A -1 1875
19		8.8A	50 57.504	-0.0022	09	-0 4 30.14	-0.026	11	0.22	57.534	17	36.2	29.79	17	36.2	K0	21	2356	A 0 2116
20		9.2A	51 2.624	-0.0013	12	-9 49 33.91	-0.023	11	0.24	2.644	16	33.6	33.53	16	33.6	A2	16	2925K	A -9 2270
21		9.0A	51 7.041	0.0028	11	-4 40 20.75	-0.025	11	0.23	6.994	16	33.6	20.33	16	33.6	K2	17	2920	A -4 2129
22		8.9A	51 17.010	-0.0001	12	-9 5 23.08	-0.000	12	0.25	17.011	16	33.6	23.08	16	33.6	B9	16	2926	A -8 2128
23		8.5A	51 18.256	-0.0013	13	-4 16 59.26	-0.014	13	0.27	18.278	16	33.6	59.03	16	33.6	A2	17	2921	A -4 2133
24		9.0A	51 20.491	-0.0021	13	-3 34 16.05	-0.003	13	0.27	20.526	16	33.3	16.00	16	33.3	K0 R	17	2922	A -3 2110
25		7.8A	51 21.363	-0.0003	12	-5 55 39.47	-0.017	12	0.25	21.367	16	33.6	39.19	16	33.6	A0	17	2923	A -5 2284
26		9.0A	51 24.429	-0.0009	09	-0 14 17.29	-0.006	11	0.22	24.441	17	36.2	17.22	17	36.2	G0 R	21	2359	A -0 1851
27		9.2A	51 29.823	-0.0021	09	-2 13 53.20	-0.026	11	0.22	29.852	17	36.2	52.84	17	36.2	A5 R	21	2360	A -1 1878
28		9.0A	51 32.081	-0.0017	09	-1 47 9.10	-0.018	11	0.22	32.104	17	36.2	8.86	17	36.2	A2 R	21	2361	A -1 1879
29		8.3A	51 32.783	-0.0004	13	-4 10 20.58	-0.011	13	0.27	32.790	16	33.6	20.40	16	33.6	MA	17	2925	A -3 2111
30		9.3A	51 33.375	-0.0016	12	-7 39 18.65	-0.005	12	0.25	33.401	16	33.6	18.57	16	33.6	A2	16	2927	A -7 2244
31		8.5A	51 33.432	-0.0018	12	-9 11 31.13	-0.040	12	0.25	33.461	16	33.6	30.47	16	33.6	K0	16	2928	A -8 2130
32		9.0A	51 36.981	-0.0014	12	-7 21 28.73	0.007	12	0.25	37.004	16	33.5	28.85	16	33.5	K2 R	16	2929	A -7 2245
33		7.8A	51 42.485	-0.0015	13	-3 24 48.61	0.005	13	0.27	42.510	16	33.6	48.70	16	33.6	A3	17	2926	A -3 2112
34		8.8A	51 55.637	-0.0016	13	-4 23 47.47	-0.013	13	0.27	55.663	16	33.6	47.26	16	33.6	A2	17	2927	A -4 2135
35		8.5A	51 59.982	-0.0007	12	-9 39 13.06	-0.010	12	0.25	59.993	16	33.6	12.89	16	33.6	G5	16	2931	A -9 2275
36		8.8A	52 0.150	-0.0030	11	-7 15 16.19	-0.065	09	0.22	0.199	16	33.6	15.12	16	33.6	G5	16	2930	A -7 2246
37		9.1A	52 2.124	-0.0023	13	-3 46 43.14	0.000	13	0.27	2.163	16	33.6	43.14	16	33.6	K2 F	17	2929	A -3 2113
38		7.1T	52 2.137	-0.0020	05	-2 39 48.85	0.000	03	0.20	2.217	09	10.8	48.85	09	01.9	F0	GC	10693K	B* -2 2341
39		7.5Q	52 2.635	-0.0178	10	-1 16 46.68	-0.060	10	0.49	3.520	15	00.4	43.78	15	01.4	G5	GC	10694	-1 1883
40		8.7A	52 3.380	-0.0009	13	-2 49 31.73	0.002	13	0.27	3.395	16	33.6	31.77	16	33.6	F0	17	2930	A -2 2342
41		9.2A	52 6.553	-0.0011	12	-8 51 2.83	-0.004	12	0.25	6.571	16	33.6	2.76	16	33.6	F0	16	2932	A -8 2133
42		8.8A	52 9.120	-0.0021	09	-0 29 29.08	-0.017	11	0.22	9.149	17	36.2	28.85	17	36.2	A2	21	2364	A -0 1853
43		8.8A	52 9.661	-0.0023	12	-8 13 1.27	-0.010	12	0.25	9.699	16	33.6	1.11	16	33.6	K0	16	2934	A -7 2248
44		9.0A	52 11.404	-0.0011	11	-6 21 39.05	0.019	13	0.25	11.422	16	33.6	39.37	16	33.6	A2	17	2931	A -6 2357
45		9.3A	52 12.839	0.0022	12	-6 17 22.79	0.012	12	0.25	12.802	16	33.5	22.99	16	33.5	K2 R	16	2935	A -6 2358
46		8.8A	52 13.472	-0.0007	09	-0 21 40.77	-0.028	11	0.22	13.482	17	36.2	40.39	17	36.2	K2	21	2365	A -0 1854
47		9.0A	52 17.945	-0.0016	09	-1 42 3.56	-0.016	11	0.22	17.967	17	36.2	3.34	17	36.2	A0	21	2368	A -1 1885
48		8.5A	52 19.013	-0.0028	09	-0 37 27.49	0.017	11	0.22	19.052	17	36.2	27.73	17	36.2	K0	21	2367	A -0 1855
49		9.1A	52 24.241	-0.0006	11	-7 16 11.68	0.012	09	0.22	24.251	16	33.6	11.88	16	33.6	A0	16	2937	A -7 2251
50		8.9A	52 27.822	-0.0023	09	-1 36 30.36	-0.013	11	0.22	27.853	17	36.2	30.18	17	36.2	A2 R	21	2370	A -1 1886
51		8.6A	7 52 33.805	-0.0033	09	-2 7 12.58	-0.008	11	0.22	33.850	17	36.2	12.47	17	36.2	A0	21	2371	A -1 1887
52		9.1A	52 34.525	-0.0023	12	-9 38 9.15	-0.031	12	0.25	34.563	16	33.6	8.64	16	33.6	G0	16	2938	A -9 2282
53		8.0A	52 41.286	-0.0024	13	-4 26 19.19	-0.047	13	0.27	41.326	16	33.6	18.42	16	33.6	A2	17	2933	A -4 2141
54		9.0A	52 42.713	0.0004	11	-6 48 23.47	-0.001	11	0.23	42.707	16	33.6	23.45	16	33.6	A0	16	2939	A -6 2360
55		8.9A	52 45.733	-0.0012	11	-7 47 23.17	-0.105	11	0.23	45.753	16	33.6	21.45	16	33.6	G5	16	2940	A -7 2254
56		9.5A	52 46.548	0.0004	11	-7 50 41.55	0.003	11	0.23	46.542	16	33.5	41.60	16	33.5		16	2941	A -7 2255
57		8.6A	52 47.635	-0.0023	13	-3 52 12.53	0.008	13	0.27	47.674	16	33.6	12.67	16	33.6	A5	17	2934	A -3 2120
58		9.0A	52 53.398	-0.0026	09	-0 9 32.56	-0.031	11	0.22	53.434	17	36.2	32.14	17	36.2	A0	21	2374	A 0 2127
59		8.3A	52 57.585	-0.0002	12	-4 32 32.58	-0.009	12	0.25	57.589	16	33.6	32.43	16	33.6	K0	17	2935	A -4 2143
60		8.3A	53 1.684	-0.0024	09	-2 3 24.03	0.017	11	0.22	1.717	17	36.2	24.26	17	36.2	A0	21	2375	A -1 1890
61		8.9A	53 5.845	-0.0014	12	-8 9 6.28	-0.017	12	0.25	5.869	16	33.6	6.00	16	33.6	A0	16	2942	A -7 2256
62		9.0A	53 6.107	-0.0012	13	-5 53 59.47	-0.024	13	0.27	6.127	16	33.6	59.08	16	33.6	A0	17	2936	A -5 2293
63		9.0A	53 6.391	-0.0010	13	-4 53 2.78	-0.021	13	0.27	8.407	16	33.6	2.43	16	33.6	A0	17	2937	A -4 2145
64		9.0A	53 9.481	-0.0002	12	-6 4 11.98	-0.020	12	0.25	9.484	16	33.6	11.65	16	33.6	A2	17	2939	A -5 2294
65		8.5A	53 11.624	-0.0004	13	-3 9 39.72	0.007	13	0.27	11.631	16	33.6	39.84	16	33.6	K0 F	17	2938	A -2 2350
66		9.0A	53 20.784	-0.0017	09	-0 8 49.80	0.009	11	0.22	20.808	17	36.2	49.93	17	36.2	B8	21	2376	A 0 2129
67		8.2A	53 26.971	-0.0011	13	-6 23 34.73	-0.020	13	0.27	26.988	16	33.6	34.40	16	33.6	K0	17	2940	A -6 2367
68		9.0A	53 28.823	-0.0010	13	-5 13 5.54	-0.032	13	0.27	28.839	16	33.6	5.02	16	33.6	K5 F	17	2941	A -4 2148
69		8.7A	53 30.012	-0.0003	13	-5 22 51.84	-0.027	13	0.27	30.017	16	33.6	51.40	16	33.6	A5	17	2942	A -5 2296
70		9.0A	53 31.646	-0.0014	12	-5 41 1.59	0.004	12	0.25	31.669	16	33.6	1.66	16	33.6	K5	17	2943	A -5 2297
71		9.0A	53 33.288	-0.0004	09	-0 12 41.23	-0.024	11	0.22	33.293	17	36.2	40.91	17	36.2	A0	21	2378	A 0 2131
72		8.5A	53 34.454	0.0012	12	-9 39 47.83	-0.026	12	0.25	34.435	16	33.6	47.40	16	33.6	G5	16	2946	A -9 2287
73		9.2A	53 35.760	-0.0009	09	-1 44 32.35	-0.016	11	0.22	35.773	17	36.2	32.13	17	36.2	F8 R	21	2379	A -1 1892
74		9.3A	53 35.865	-0.0035	12	-7 48 53.32	-0.011	12	0.25	35.923	16	33.6	53.14	16	33.6	A2	16	2944	A -7 2261
75		8.5A	53 37.738	-0.0015	13	-6 17 56.40	0.005	13	0.27	37.762	16	33.6	56.49	16	33.6	F5	17	2944K	A -6 2368
76		8.7A	53 40.905	-0.0015	13	-3 18 16.62	0.002	13	0.27	40.929	16	33.6	16.65	16	33.6	F8 F	17	2945	A -3 2124
77		7.7A	53 45.394	-0.0003	12	-9 43 46.09	-0.007	12	0.25	45.399	16	33.6	45.97	16	33.6	A0	16	2947	A -9 2289
78		8.8A	53 54.250	-0.0010	09	-0 53 25.60	-0.011	11	0.22	54.264	17	36.2	25.45	17	36.2	K0	21	2382	A -0 1859
79		9.0A	53 54.804	-0.0013	12	-5 29 52.96	-0.034	12	0.25	54.824	16	33.6	52.40	16	33.6	F2	17	2946	A -5 2301
80		8.4A	53 56.158	0.0002	11	-7 51 25.26	0.003	11	0.23	56.154	16	33.6	25.31	16	33.6	A2	16	2948	A -7 2264
81		8.9A	53 57.628	-0.0014	12	-7 59 36.73	-0.017	12	0.25	57.650	16	33.6	36.45	16	33.6	K0	16	2949	A -7 2265
82		8.9A	54 11.632	-0.0023	13	-6 15 42.95	-0.019	13	0.27	11.669	16	33.6	42.64	16	33.6	F8	17	2947	A -6 2371
83		8.4A	54 13.346	-0.0006	13	-5 57 34.49	-0.022	13	0.27	13.359	16	33.6	34.13	16	33.6	K0	17	2948	A -5 2303
84		9.0A	54 16.976	-0.0068	13	-4 28 16.03	0.026	13	0.27	17.087	16	33.6	16.46	16	33.6		17	2949	A -4 2150
85		8.6A	54 20.308	0.0013	09	-0 40 35.74	-0.103	11	0.22	20.290	17	36.2	34.33	17	36.2	G0	21	2385	A -0 1861
86		9.0A	54 23.870	-0.0020	12	-9 30 51.94	-0.019	12	0.25	23.902	16	33.6	51.62	16	33.6	A3	16	2951	A -9 2294
87		7.5A	54 24.228	-0.0015	13	-3 19 16.13	-0.071	13	0.27	24.253	16	33.6	14.98	16	33.6	K0	17	2950	A -3 2129
88		9.0A	54 31.668	0.0010	12	-3 32 23.91	-0.004	12	0.25	31.652	16	33.3	23.85	16	33.3	A2 R	17	2951	A -3 2132
89		8.8A	54 33.542	0.0000	12	-2 24 5.13	-0.011	12	0.25	33.542	16	33.3	4.95	16	33.3	G5 R	17	2952	A -2 2357
90		9.2A	54 39.245	0.0006	12	-6 49 14.65	0.001	12	0.25	39.235	16	33.6	14.67	16	33.6	A2	16	2952	A -6 2375
91		8.9A	54 50.317	-0.0023	13	-3 12 18.02	-0.023	13	0.27	50.354	16	33.6	17.64	16	33.6	K2 F	17	2953	A -2 2359
92		8.4A	54 52.743	-0.0026	09	-0 30 2.63	-0.014	11	0.22	52.778	17	36.2	2.45	17	36.2	A0	21	2387	A -0 1864
93		8.4A	54 52.979	-0.0012	09	-1 28 40.65	-0.009	11	0.22	52.995	17	36.2	40.53	17	36.2	B	21	2388	A -1 1900
94		8.0A	54 53.933	-0.0002	12	-7 39 53.00	0.008	11	0.24	53.936	16	33.6	53.14	16	33.6	A0	16	2953	A -7 2273
95		7.8A	54 56.548	-0.0004	13	-2 48 44.07	-0.022	13	0.27	56.555	16	33.6	43.71	16	33.6	K5	17	2954	A -2 2360
96		8.1A	54 56.578	-0.0020	09	-1 10 35.55	0.005	11	0.22	56.606	17	36.2	35.62	17	36.2	MA	21	2389	A -0 1865
97		8.9A	54 56.739	-0.0020	12	-9 41 25.53	-0.013	12	0.25	56.771	16	33.6	25.31	16	33.6	F8	16	2955K	A -9 2298
98		9.2A	54 58.091	-0.0015	12	-7 35 37.05	0.044	12	0.25	58.116	16	33.5	37.78	16	33.5	K0 R	16	2954	A -7 2274
99		9.5A	54 59.678	-0.0003	12	-8 23 52.87	-0.022	12	0.25	59.683	16	33.6	52.51	16	33.6	A3	16	2956	A -8 2148
00		7.7A	55 21.890	0.0000	12	-6 27 51.45	-0.033	12	0.25	21.889	16	33.6	50.91	16	33.6	K5	16	2957	A -6 2378

- 00 7H

135300 — 00 7H

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	EPOCH 1950 μ s	EPOCH 1950 σ_μ ″.001	EPOCH 1950 δ_{1950} ° ′ ″	EPOCH 1950 μ' ″	EPOCH 1950 σ'_μ ″.001	EPOCH 1950 σ_{1950} ″	ORIGINAL EPOCH α_2 s	ORIGINAL EPOCH σ ″.01	ORIGINAL EPOCH ep.	ORIGINAL EPOCH δ_2 ″	ORIGINAL EPOCH σ' ″.01	ORIGINAL EPOCH ep.	SP.		SOURCE CAT.	SOURCE STAR NUMBER	DM	DM NUMBER
1		9.4A	7 55 24.597	-0.0004	12	-8 42 6.87	0.006	12	0.25	24.603	17	33.6	7.00	17	33.6	B3		16	2958	A	-8 2151
2		8.2A	55 25.349	-0.0108	08	-0 40 43.72	-0.006	11	0.22	25.494	17	36.2	43.64	17	36.2	K2		21	2301	A	-0 1866
3		9.0A	55 27.305	-0.0023	11	-5 48 20.13	-0.003	11	0.23	27.342	16	33.6	20.08	16	33.6	A5		17	2955	A	-5 2312
4		9.0A	55 29.933	-0.0025	09	-1 30 32.84	-0.005	11	0.22	29.968	17	36.2	32.77	17	36.2	A5		21	2302	A	-1 1903
5		9.3A	55 32.882	-0.0014	12	-8 36 46.70	-0.032	12	0.25	32.844	16	33.6	46.17	16	33.6	A0		16	2960	A	-8 2154
6		8.9A	55 33.287	-0.0084	12	-7 29 39.86	0.010	12	0.25	33.328	16	33.6	40.03	16	33.6	A5		16	2959	A	-7 2278
7		9.2A	55 36.480	-0.0032	12	-7 16 1.55	-0.007	12	0.25	36.532	16	33.6	1.44	16	33.6	F8		16	2962	A	-7 2279
8		9.0A	55 37.128	-0.0005	13	-5 54 52.43	-0.012	13	0.27	37.135	16	33.6	52.34	16	33.6	A2		17	2957	A	-5 2313
9		8.7A	55 38.327	-0.0019	12	-9 29 57.58	-0.006	12	0.25	38.357	16	33.6	57.48	16	33.6	K0		16	2963	A	-9 2307
10		9.0A	55 38.886	-0.0011	13	-2 26 10.92	0.008	13	0.27	38.904	16	33.6	11.02	16	33.6	A0		17	2956	A	-2 2365
11		8.7A	55 40.418	-0.0027	12	-9 29 59.63	-0.013	12	0.25	40.462	16	33.5	59.41	16	33.5	K5	R	16	2964	A	-9 2308
12		9.0A	55 40.985	-0.0018	09	-0 36 32.22	-0.046	11	0.22	41.010	17	36.2	31.59	17	36.2	K0	R	21	2303	A	-0 1868
13		9.1A	55 44.925	-0.0008	12	-7 33 44.82	-0.005	12	0.25	44.934	16	33.5	44.74	16	33.5	K2	R	16	2965	A	-7 2281
14		9.0A	55 54.969	-0.0027	11	-5 56 57.37	-0.015	12	0.24	54.614	16	33.6	57.13	16	33.6	A3		17	2959	A	-5 2315
15		7.8A	55 56.715	-0.0013	13	-6 16 7.09	-0.015	13	0.27	56.737	16	33.6	6.85	16	33.6	A0		17	2960	A	-6 2363
16		8.9A	55 57.674	-0.0018	09	-2 9 17.82	0.019	11	0.22	57.699	17	36.2	18.08	17	36.2	K0	R	21	2394	A	-1 1905
17		7.9B	56 0.210	-0.0018	09	-3 30 5.52	-0.006	07	0.43	0.297	14	00.4	5.21	15	98.6	A0		GC	10784		-3 2146
18		8.0A	56 4.820	-0.0008	13	-3 44 4.55	-0.007	13	0.27	4.830	16	33.6	4.44	16	33.6	K2	F	17	2962	A	-3 2147
19		9.0A	56 15.972	-0.0007	12	-5 33 13.89	-0.016	13	0.26	15.983	16	33.6	13.63	16	33.6	K0		17	2963	A	-5 2318
20		8.8A	56 16.629	-0.0017	12	-9 55 52.62	-0.001	12	0.25	16.656	16	33.6	52.60	16	33.6	B9		16	2968	A	-9 2311
21		9.0A	56 16.678	-0.0022	12	-8 11 46.12	-0.015	12	0.25	16.715	16	33.6	45.87	16	33.6	F5		16	2967	A	-7 2286
22		8.4A	56 18.605	-0.0016	13	-4 47 49.76	-0.003	13	0.27	18.632	16	33.6	49.73	16	33.6	K5		17	2964	A	-4 2158
23		9.0A	56 20.096	-0.0028	09	-1 28 41.23	-0.058	11	0.22	20.130	17	36.2	40.43	17	36.2	K0		21	2396	A	-1 1907
24		9.0A	56 20.898	-0.0015	13	-2 46 29.44	0.012	13	0.27	20.917	16	33.6	29.64	16	33.6	K0		17	2965	A	-2 2367
25		8.8A	56 26.549	-0.0008	12	-7 22 19.79	-0.005	12	0.25	26.561	16	33.6	19.71	16	33.6	G5		16	2969	A	-7 2287
26		8.4A	56 27.426	-0.0010	09	-0 18 23.61	-0.036	11	0.22	27.440	17	36.2	23.11	17	36.2	A2		21	2397	A	-0 1874
27		9.0A	56 28.352	-0.0004	12	-6 32 5.74	-0.004	12	0.25	28.358	16	33.6	5.68	16	33.6	G0		16	2970	A	-6 2368
28		9.0A	56 29.839	-0.0009	12	-8 49 16.07	-0.039	12	0.25	29.854	16	33.6	15.42	16	33.6	F8		16	2971	A	-8 2160
29		6.8T	56 34.460	0.0024	17	-4 11 41.68	-0.039	17	0.85	34.338	17	00.2	39.79	18	01.5	A3		GC	10792		-3 2151
30		8.8A	56 39.599	-0.0007	12	-5 6 58.49	-0.059	11	0.24	39.610	16	33.6	57.52	16	33.6	F8		17	2967	A	-4 2159
31		8.7A	56 42.647	-0.0001	12	-8 24 35.27	-0.020	12	0.25	42.648	16	33.6	34.94	16	33.6	G0		16	2973	A	-8 2164
32		9.2A	56 42.790	0.0001	12	-8 6 8.00	-0.027	11	0.24	42.788	16	33.5	7.56	16	33.5	K0	R	16	2972	A	-7 2289
33		8.0A	56 50.192	-0.0017	12	-7 22 3.86	0.001	12	0.25	50.220	16	33.6	3.87	16	33.6	A3		16	2974	A	-7 2291
34		9.0A	56 54.635	0.0008	13	-6 20 28.66	-0.032	13	0.27	54.622	16	33.6	28.14	16	33.6	F8		17	2970	A	-6 2392
35		9.0A	56 55.435	-0.0014	13	-8 15 58.98	-0.017	13	0.27	55.457	16	33.6	58.70	16	33.6	A2		16	2976	A	-8 2166
36		8.5A	56 55.985	0.0009	13	-4 47 23.61	-0.004	13	0.27	55.971	16	33.6	23.54	16	33.6	A0		17	2969	A	-4 2160
37		9.0A	56 57.354	-0.0002	13	-3 7 57.72	-0.005	13	0.27	57.358	16	33.6	57.64	16	33.6	A2		17	2968	A	-2 2372
38		8.9A	56 58.619	-0.0001	11	-6 51 35.52	0.011	11	0.23	58.620	16	33.6	35.70	16	33.6	A0		16	2977	A	-6 2394
39		9.0A	56 58.711	-0.0002	12	-9 17 14.27	0.001	12	0.25	58.715	16	33.6	14.28	16	33.6	M8		16	2978	A	-9 2317
40		9.3A	57 0.030	-0.0017	13	-2 12 45.06	0.012	13	0.27	0.089	16	33.6	45.26	16	33.6	K0	F	17	2971	A	-1 1911
41		9.2A	57 7.314	-0.0024	13	-7 46 41.61	0.016	13	0.27	7.354	16	33.6	41.88	16	33.6	G5		16	2981	A	-7 2294
42		8.5A	57 7.856	-0.0006	12	-6 29 31.12	-0.017	12	0.25	7.886	16	33.6	30.84	16	33.6	K2		16	2980	A	-6 2397
43		9.0A	57 10.579	-0.0018	11	-6 51 53.27	-0.013	11	0.23	10.609	16	33.5	53.06	16	33.5	F5	R	16	2982	A	-6 2399
44		7.9A	57 12.533	0.0001	13	-5 3 2.59	-0.022	12	0.26	12.532	16	33.6	2.23	16	33.6	A5		17	2972	A	-4 2162
45		5.1H	57 14.251	-0.0039	02	-3 32 31.18	-0.008	02	0.06	14.364	03	21.2	30.93	03	17.7	K0		F4	304		-3 2157
46		9.1A	57 15.285	-0.0025	13	-7 9 34.10	0.030	13	0.27	15.306	16	33.6	34.60	16	33.6	K0		16	2983	A	-6 2400
47		8.3A	57 21.696	-0.0018	12	-8 58 14.65	-0.021	12	0.25	21.725	16	33.6	14.30	16	33.6	A3		16	2984	A	-8 2170
48		9.0A	57 24.144	-0.0031	09	-1 35 30.49	-0.042	11	0.22	24.187	17	36.2	29.91	17	36.2	F8	R	21	2401	A	-1 1915
49		8.0A	57 26.993	-0.0027	09	-1 39 35.10	-0.003	11	0.22	27.030	17	36.2	35.06	17	36.2	K0		21	2402	A	-1 1916
50		9.1A	57 32.956	-0.0020	13	-8 15 17.83	0.017	13	0.27	32.989	16	33.6	18.11	16	33.6	A3		16	2985	A	-7 2299
51		9.1A	7 57 35.125	-0.0024	13	-2 42 10.90	-0.021	13	0.27	35.164	16	33.6	10.56	16	33.6	B9		17	2974	A	-2 2375
52		9.0A	57 36.895	-0.0021	13	-8 11 50.19	-0.004	13	0.27	36.930	16	33.5	50.13	16	33.5	A5	R	16	2987	A	-7 2300
53		8.9A	57 36.961	-0.0018	12	-7 12 37.94	0.007	12	0.25	36.990	16	33.6	38.06	16	33.6	A2		16	2986	A	-6 2402
54		9.0A	57 38.960	-0.0012	13	-8 11 36.43	0.012	13	0.27	38.979	16	33.6	36.62	16	33.6	A2		16	2989	A	-7 2301
55		9.0A	57 39.393	-0.0008	13	-7 29 12.14	0.005	13	0.27	39.407	16	33.6	12.22	16	33.6	G0		16	2988	A	-7 2302
56		8.9A	57 47.933	0.0001	13	-3 6 26.92	0.000	13	0.27	47.930	16	33.6	26.92	16	33.6	K2	F	17	2975	A	-2 2376
57		9.0A	57 50.925	-0.0018	13	-3 19 43.62	-0.002	13	0.27	50.952	16	33.6	43.59	16	33.6	K5	F	17	2976	A	-3 2162
58		8.8A	57 52.540	-0.0010	13	-3 49 40.23	0.002	13	0.27	52.556	16	33.6	40.27	16	33.6	K8	F	17	2977	A	-3 2163
59		9.2A	57 54.366	-0.0031	09	-2 10 57.69	-0.007	11	0.22	54.408	17	36.2	57.59	17	36.2	A0	R	21	2405	A	-1 1918
60		7.1T	58 0.132	-0.0008	12	-4 44 29.81	0.007	12	0.59	0.168	15	01.9	30.13	15	02.3	F8		GC	10847		-4 2166
61		9.0A	58 0.334	-0.0021	12	-9 13 42.72	0.005	12	0.25	0.359	16	33.6	42.80	16	33.6	K5		16	2993	A	-8 2176
62		8.7A	58 0.475	-0.0012	12	-8 58 8.76	-0.079	12	0.25	0.494	16	33.6	7.46	16	33.6	G0		16	2992	A	-8 2175
63		8.9A	58 2.738	-0.0016	12	-7 53 57.98	0.008	12	0.25	2.765	16	33.6	58.12	16	33.6	A0		16	2994	A	-7 2308
64		8.4A	58 2.856	-0.0009	13	-7 19 49.97	-0.006	13	0.27	2.870	16	33.6	49.86	16	33.6	A3		17	2979	A	-5 2327
65		8.0A	58 9.414	-0.0014	13	-4 27 8.55	-0.009	13	0.27	9.438	16	33.6	8.41	16	33.6	K2		17	2980	A	-4 2168
66		8.3A	58 10.874	0.0003	12	-4 59 13.03	-0.020	12	0.25	10.869	16	33.6	12.69	16	33.6	K0		17	2981	A	-4 2169
67		9.0A	58 12.491	-0.0023	09	-0 34 9.63	-0.045	11	0.22	12.523	17	36.2	9.01	17	36.2	G0		21	2407	A	-0 1878
68		6.4T	58 13.231	-0.0012	07	-2 44 35.39	0.010	07	0.29	13.275	10	11.3	35.80	10	09.5	B3P		GC	10856	B*	-2 2379
69		8.6A	58 14.372	-0.0003	11	-6 57 6.38	-0.011	11	0.23	14.377	16	33.6	6.20	16	33.6	K0		16	2995	A	-6 2404
70		8.0A	58 17.305	-0.0004	13	-4 22 55.02	0.018	13	0.27	17.312	16	33.6	55.32	16	33.6	K5		17	2983	A	-4 2170
71		8.5A	58 17.518	-0.0013	12	-4 56 27.11	-0.008	12	0.25	17.540	16	33.6	26.98	16	33.6	F0		17	2984	A	-4 2172
72		7.8A	58 18.054	-0.0010	12	-4 37 11.61	0.011	13	0.26	18.070	16	33.6	11.78	16	33.6	A0		17	2985	A	-4 2173
73		9.1A	58 18.096	0.0002	13	-5 52 55.81	-0.005	13	0.27	18.092	16	33.3	55.73	16	33.3	K0	R	17	2986	A	-5 2328
74		8.8A	58 20.373	-0.0007	13	-4 48 24.39	-0.012	13	0.27	20.384	16	33.6	24.19	16	33.6	A0		17	2987	A	-4 2174
75		9.0A	58 20.978	-0.0019	09	-1 58 29.57	-0.002	11	0.22	21.004	17	36.2	29.54	17	36.2	K2	R	21	2409	A	-1 1920
76		8.4A	58 30.537	0.0045	12	-7 30 10.75	0.030	12	0.25	30.463	16	33.6	11.24	16	33.6	G5		16	2996	A	-7 2310
77		9.2A	58 34.789	-0.0003	12	-8 45 52.08	-0.018	12	0.25	34.774	16	33.6	51.75	16	33.6	A0		16	2998	A	-8 2182
78		9.0A	58 35.200	-0.0017	09	-0 8 59.38	-0.031	11	0.22	35.223	17	36.2	58.96	17	36.2	K2		21	2410	A	0 2158
79		6.5T	58 36.352	-0.0054	12	-6 16 46.45	-0.050	10	0.61	36.633	15	97.7	43.77	17	98.4	G5		GC	10866		-6 2407
80		4.9T	58 40.675	0.0038	04	-1 15 8.75	-0.077	03	0.20	40.482	10	98.6	4.77	09	98.2	K0		GC	10870	B*	-0 1882
81		8.0A	58 43.218	-0.0007	13	-3 22 48.75	-0.004	12	0.26	43.229	16	33.6	48.69	16	33.6	K0		17	2989	A	-3 2171
82		8.6A	58 45.864	-0.0035	12	-4 29 46.80	0.003	12	0.25	45.921	16	33.6	46.85	16	33.6	F5		17	2990	A	-4 2175
83		8.7A	58 48.331	-0.0002	12	-8 14 42.36	-0.031	12	0.25	48.334	16	33.5	41.85	16	33.5	A2	R	16	2999	A	-7 2313
84		9.3A	58 49.981	-0.0004	09	-0 1 36.24	-0.085	11	0.22	49.987	17	36.2	35.35	17	36.2	F8	R	21	2412	A	0 2160
85		9.0A	58 51.033	-0.0023	12	-9 51 53.13	-0.018	12	0.25	51.070	16	33.5	52.83	16	33.5	K5	R	16	3000	A	-9 2330
86		8.8A	58 54.357	-0.0024	13	-3 3 8.54	-0.024	13	0.27	54.396	16	33.6	8.15	16	33.6	K5		17	2991	A	-2 2380
87		9.5A	58 57.246	0.0019	12	-2 7 31.12	-0.003	13	0.26	57.215	16	33.6	31.08	16	33.6	F8	F	17	2992	A	-1 1922
88		9.2A	58 59.022	-0.0013	09	-2 14 35.11	0.003	11	0.22	59.039	17	36.2	35.15	17	36.2	K0	R	21	2413	A	-1 1923
89		8.7A	59 2.801	-0.0014	13	-4 37 33.08	-0.007	13	0.27	2.824	16	33.6	32.98	16	33.6	F2		17	2994	A	-4 2176
90		9.4A	59 8.928	-0.0022	12	-9 7 54.79	-0.041	12	0.25	8.964	16	33.6	54.11	16	33.6	F5		16	3001K	A	-8 2185
91		8.9A	59 11.020	-0.0002	12	-9 44 58.66	-0.005	12	0.25	11.023	16	33.6	58.57	16	33.6	F5		16	3002	A	-9 2332
92		7.2T	59 19.609	-0.0036	12	-8 27 13.65	-0.008	10	0.31	19.763	19	06.7	13.29	19	05.2	+++		GC	10884K	B*	-8 2186
93		8.8A	59 19.762	0.0000	12	-7 32 22.33	-0.003	12	0.25	19.781	16	33.6	22.28	16	33.6	A0		16	3003	A	-7 2318
94		8.3A	59 21.718	-0.0010	13	-3 24 15.21	0.021	13	0.27	21.734	16	33.6	15.56	16	33.6	A0		17	2995K	A	-3 2176
95		8.4Q	59 24.354	-0.0019	12	-8 4 27.24	0.017	12	0.56	24.435	18	06.2	27.99	19	05.4	G5		GC	10885		-7 2319
96		8.2A	59 31.961	-0.0041	09	-2 50 26.22	-0.011	09	0.22	32.027	16	33.6	26.04	16	33.6	A2		17	2997	A	-2 2383
97		8.7A	59 32.132	-0.0027	09	-2 8 32.63	0.008	11	0.22	32.169	17	36.2	32.74	17	36.2	K5		21	2416	A	-1 1926
98		9.0A	59 33.223	-0.0026	09	-0 59 1.51	-0.011	11	0.22	33.259	17	36.2	1.37	17	36.2	F5	R	21	2415	A	-0 1885
99		9.0A	59 34.419	-0.0029	12	-7 16 55.09	-0.004	12	0.25	34.467	16	33.6	55.03	16	33.6	G5		16	3006	A	-7 2320
00		6.9T	59 36.225	-0.0046	18	-9 13 1.43	0.002	18	0.84	36.426	21	06.1	1.51	21	05.2	A3		GC	10890		-8 2189

135400 — EPOCH 1950 — ORIGINAL EPOCH — SOURCE — −00° 7H

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	σ'_μ ″.001	σ_{1950} ″	α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	CAT.	STAR NUMBER	DM NUMBER
1		8.7A	7 59 37.280	-0.0015	13	-2 38 40.61	-0.015	13	0.27	37.305	16	33.6	40.37	16	33.6	A3	17	2998	A -2 2384
2		9.0A	59 37.626	-0.0024	09	-0 49 25.90	-0.002	11	0.22	37.659	17	36.2	25.87	17	36.2	A0	21	2417	A -0 1886
3		8.7A	59 40.867	0.0010	12	-7 26 32.44	-0.003	12	0.25	40.851	16	33.6	32.39	16	33.6	K5	16	3008	A -7 2321
4		9.1A	59 44.178	-0.0007	12	-9 54 23.52	-0.006	12	0.25	44.189	16	33.5	23.42	16	33.5	K0 R	16	3009	A -9 2335
5		8.9A	59 57.965	-0.0019	13	-5 20 33.21	0.008	13	0.27	57.997	16	33.3	33.35	16	33.3	K0 R	17	2999	A -5 2338
6		6.3H	59 58.542	0.0001	02	-6 11 47.63	-0.019	02	0.07	58.538	04	24.9	47.11	04	22.7	G0	F4	1213	-5 2339
7		8.9A	59 58.585	-0.0007	12	-9 53 57.88	-0.012	12	0.25	58.596	16	33.5	57.68	16	33.5	K2 R	16	3012	A -9 2338
8		8.9A	8 0 0.413	0.0012	12	-6 33 15.13	0.007	12	0.25	0.392	16	33.6	15.25	16	33.6	A2	16	3011	A -6 2419
9		8.5A	0 3.347	-0.0039	13	-4 10 24.25	0.012	13	0.27	3.410	16	33.6	24.45	16	33.6	F2	17	3001	A -3 2180
10		8.9A	0 3.843	-0.0047	12	-5 40 35.16	0.003	12	0.25	3.919	16	33.6	35.21	16	33.6	F8	17	3004	A -5 2340
11		8.2A	0 4.702	-0.0034	13	-3 7 36.36	-0.006	13	0.27	4.757	16	33.6	36.26	16	33.6	K0	17	3002	A -2 2388
12		9.0A	0 6.778	-0.0013	13	-2 31 35.19	-0.005	13	0.27	6.799	16	33.6	35.11	16	33.6	M3 F	17	3003	A -2 2390
13		8.2A	0 8.807	0.0012	09	-2 15 22.59	0.001	11	0.22	8.791	17	36.2	22.60	17	36.2	F5	21	2419	A -1 1928
14		8.8A	0 12.195	0.0002	12	-6 46 31.10	-0.006	12	0.25	12.191	16	33.6	31.01	16	33.6	K0	16	3013	A -6 2421
15		9.0A	0 12.450	-0.0018	09	-1 42 32.36	-0.001	11	0.22	12.475	17	36.2	32.34	17	36.2	F0	21	2420	A -1 1929
16		6.8T	0 19.064	-0.0025	12	-6 10 54.69	0.007	11	0.61	19.190	15	98.7	55.05	15	99.3	K0	GC	10909	-5 2341
17		9.1A	0 19.851	0.0010	12	-9 17 53.99	-0.013	12	0.25	19.835	16	33.6	53.77	16	33.6	A2	16	3015	A -9 2341
18		8.3A	0 30.143	-0.0011	11	-2 35 22.18	-0.008	11	0.23	30.160	16	33.6	22.05	16	33.6	A0	17	3007	A -2 2394
19		8.8A	0 32.463	-0.0026	13	-6 12 56.70	-0.013	13	0.27	32.506	16	33.3	56.49	16	33.3	K0 R	17	3008	A -5 2342
20		9.2A	0 36.569	-0.0024	09	-1 58 16.63	-0.003	11	0.22	36.602	17	36.2	16.59	17	36.2	A0	21	2421	A -1 1931
21		9.1A	0 38.073	-0.0010	12	-7 18 12.95	0.014	12	0.25	38.089	16	33.6	13.18	16	33.6	A0	16	3017	A* -7 2328
22		9.0A	0 39.371	-0.0045	13	-6 16 25.63	0.030	13	0.27	39.446	16	33.3	26.13	16	33.3	K0 R	17	3009K	A -6 2423
23		9.0A	0 46.344	-0.0011	11	-4 6 1.89	0.005	11	0.23	46.362	16	33.6	1.98	16	33.6	A9 F	17	3010	A -3 2189
24		8.7A	0 51.215	-0.0002	12	-9 44 35.29	-0.008	12	0.25	51.218	16	33.6	35.15	16	33.6	A2	16	3019	A -9 2344
25		8.7A	0 51.686	-0.0008	13	-5 52 48.92	-0.003	13	0.27	51.698	16	33.6	48.87	16	33.6	K5	17	3011	A -5 2344
26		8.6A	0 56.203	-0.0053	09	-1 1 5.70	-0.204	11	0.22	56.275	17	36.2	2.90	17	36.2	G5	21	2422	A -0 1891
27		8.9A	0 58.199	-0.0011	12	-9 54 15.80	-0.022	12	0.25	58.216	16	33.5	15.43	16	33.5	G5 R	16	3020	A -9 2346
28		8.5A	0 58.621	0.0004	12	-3 19 39.65	-0.005	12	0.25	58.614	16	33.6	39.57	16	33.6	F8	17	3012	A -3 2191
29		9.1A	1 2.267	-0.0031	09	-1 54 22.70	0.023	11	0.22	2.309	17	36.2	23.02	17	36.2	K0 R	21	2423	A -1 1934
30		7.4T	1 6.576	-0.0034	07	-8 1 56.30	0.043	07	0.29	6.700	10	13.1	57.95	10	11.5	F8	GC	10937	-7 2329
31		8.9A	1 7.718	-0.0022	13	-2 59 25.64	0.004	13	0.27	7.753	16	33.6	25.71	16	33.6	A0	17	3013	A -2 2399
32		9.0A	1 8.791	-0.0035	13	-6 21 45.40	-0.008	13	0.27	8.733	16	33.3	45.27	16	33.3	M0 R	17	3015	A -6 2427
33		9.4A	1 10.763	-0.0006	12	-9 7 32.07	-0.002	11	0.24	10.772	16	33.6	32.03	16	33.6	A0	16	3024	A -8 2199
34		9.0A	1 11.046	-0.0007	13	-2 47 42.05	-0.031	13	0.27	11.035	16	33.6	41.55	16	33.6	F2 F	17	3014	A -2 2400
35		8.9A	1 14.509	-0.0010	12	-8 13 10.95	-0.007	12	0.25	14.526	16	33.6	10.84	16	33.6	A0	16	3025	A -7 2330
36		9.2A	1 16.164	-0.0020	09	-1 51 28.59	-0.005	11	0.22	16.191	17	36.2	28.52	17	36.2	K R	21	2424	A -1 1935
37		8.8A	1 16.712	-0.0027	13	-5 32 6.98	-0.005	13	0.27	16.757	16	33.3	6.90	16	33.3	M0 R	17	3016	A -5 2347
38		9.0A	1 18.104	-0.0002	13	-6 8 46.47	0.009	13	0.27	18.106	16	33.6	46.62	16	33.6	K2	17	3017	A -5 2348
39		9.1A	1 20.800	-0.0008	09	-0 5 35.75	-0.032	11	0.22	20.811	17	36.2	35.32	17	36.2		21	2425	A 0 2170
40		9.0A	1 25.032	-0.0019	09	-0 55 7.90	0.002	11	0.22	25.058	17	36.2	7.93	17	36.2	F2	21	2426	A -0 1894
41		9.5A	1 30.775	0.0015	12	-7 9 9.19	-0.012	12	0.25	30.750	16	33.5	8.99	16	33.5	F2 R	16	3027	A -6 2429
42		9.0A	1 35.555	-0.0015	13	-3 46 30.40	-0.022	13	0.27	35.580	16	33.6	30.03	16	33.6	K0	17	3018	A -3 2195
43		9.2A	1 38.884	-0.0009	12	-3 11 20.22	-0.003	12	0.25	38.898	16	33.6	20.17	16	33.6	K2 F	17	3019	A -2 2405
44		7.5A	1 41.176	-0.0007	13	-4 41 4.68	-0.002	13	0.27	41.189	16	33.6	4.64	16	33.6	B5	17	3021	A -4 2197
45		9.0A	1 41.855	-0.0015	12	-3 14 45.51	-0.008	11	0.24	41.880	16	33.6	45.38	16	33.6	F5	17	3020	A -2 2406
46		8.7A	1 50.152	-0.0018	13	-3 24 16.92	-0.023	13	0.27	50.181	16	33.6	16.54	16	33.6	A2	17	3022	A -3 2196
47		8.5A	1 53.889	-0.0006	09	-2 27 11.72	-0.030	09	0.22	53.899	16	33.6	11.23	16	33.6	K0	17	3023	A -2 2407
48		8.4A	1 55.516	-0.0045	09	-1 27 9.94	-0.018	11	0.22	55.578	17	36.2	9.70	17	36.2	A0	21	2429	A -1 1940
49		9.0A	1 56.398	-0.0023	13	-3 50 37.37	-0.002	13	0.27	56.436	16	33.6	37.34	16	33.6	K0	17	3024	A -3 2198
50		8.8A	1 59.754	-0.0022	11	-8 10 31.43	0.009	11	0.23	59.790	16	33.6	31.58	16	33.6	F0	16	3030	A -7 2335
51		8.9A	8 2 6.258	-0.0032	12	-7 59 16.99	-0.028	12	0.25	6.310	16	33.6	16.53	16	33.6	G5	16	3032	A -7 2336
52		9.0A	2 7.059	-0.0013	12	-7 51 29.03	-0.004	12	0.25	7.080	16	33.6	28.97	16	33.6	G5	16	3033	A -7 2337
53		8.3A	2 7.171	-0.0020	13	-5 7 41.61	0.009	13	0.27	7.204	16	33.6	41.76	16	33.6	K0	17	3025	A -4 2201
54		8.7A	2 11.092	0.0010	13	-3 41 36.98	0.010	13	0.27	11.077	16	33.6	37.15	16	33.6	A3	17	3026	A -3 2199
55		8.7A	2 13.553	-0.0010	20	-2 40 27.06	-0.042	20	0.36	13.569	16	33.6	26.38	16	33.6	A0	17	3027K	A -2 2412
56		8.8A	2 13.831	-0.0008	12	-5 57 14.95	-0.004	12	0.25	13.843	16	33.6	14.89	16	33.6	K2	17	3028	A -5 2352
57		9.1A	2 16.463	-0.0019	12	-9 12 47.95	-0.031	12	0.25	16.494	16	33.5	47.43	16	33.5	K0 R	16	3036	A -8 2207
58		8.4A	2 18.527	-0.0012	12	-7 3 58.88	-0.045	12	0.25	18.546	16	33.6	58.14	16	33.6	G0	16	3035	A -6 2440
59		9.0A	2 18.676	-0.0022	09	-1 53 31.94	0.026	11	0.22	18.707	17	36.2	32.30	17	36.2	K0 R	21	2432	A -1 1941
60		9.0A	2 19.772	-0.0009	09	-0 51 52.42	-0.011	11	0.22	19.785	17	36.2	52.28	17	36.2	A5	21	2431	A -0 1895
61		7.7T	2 20.767	-0.0017	16	-5 16 7.99	0.012	17	0.85	20.852	18	99.0	8.60	19	00.0	M0	GC	10961	-5 2353
62		9.0A	2 21.724	-0.0015	13	-2 47 33.78	-0.013	13	0.27	21.748	16	33.3	33.57	16	33.3	G0 R	17	3029	A -2 2413
63		9.1A	2 24.216	-0.0011	12	-9 38 14.83	0.004	12	0.25	24.234	16	33.5	14.89	16	33.5	F2 R	16	3037	A -9 2355
64		9.0A	2 26.302	-0.0024	12	-8 20 31.52	-0.050	13	0.25	26.341	16	33.6	30.70	16	33.6	G5	16	3038	A -8 2208
65		6.7T	2 28.395	-0.0022	08	-3 21 10.19	0.008	07	0.42	28.517	14	95.7	10.65	14	93.4	A0	GC	10965	-3 2202
66		9.0A	2 28.607	-0.0009	13	-3 35 47.09	-0.006	13	0.27	28.622	16	33.6	46.99	16	33.6	K2 F	17	3032	A -3 2201
67		8.8A	2 30.956	-0.0020	12	-8 15 59.68	-0.061	12	0.25	30.989	16	33.6	58.68	16	33.6	G0	16	3041	A -7 2341
68		9.0A	2 32.047	-0.0013	12	-7 5 59.11	0.012	12	0.25	32.068	16	33.6	59.31	16	33.6	G5	16	3040	A -6 2442
69		9.1A	2 32.636	-0.0011	12	-8 57 13.00	-0.007	12	0.25	32.653	16	33.5	12.88	16	33.5	F5 R	16	3042	A -8 2211
70		9.0A	2 35.294	-0.0015	09	-2 32 42.79	0.000	09	0.22	35.318	16	33.6	42.79	16	33.6	A2	17	3033	A -2 2415
71		9.0A	2 36.043	-0.0011	11	-9 33 10.30	-0.014	11	0.23	36.061	16	33.6	10.06	16	33.6	A0	16	3043	A -9 2358
72		7.9W	2 37.928	-0.0014	12	-8 44 50.21	-0.026	10	0.49	37.985	18	08.7	49.06	18	06.2	A2	GC	10969	-8 2212
73		8.5A	2 45.227	-0.0014	13	-4 22 49.98	-0.009	13	0.27	45.250	16	33.6	49.84	16	33.6	F8	17	3034	A -4 2208
74		9.0A	2 50.255	-0.0061	20	-2 35 4.89	-0.029	20	0.36	50.355	16	33.6	4.42	16	33.6	A2 F	17	3035	A -2 2418
75		9.0A	2 50.784	-0.0002	12	-7 15 46.87	0.001	12	0.25	50.788	16	33.6	46.89	16	33.6	B9	16	3046	A -7 2343
76		9.0A	2 51.660	0.0006	13	-5 9 58.83	-0.022	13	0.27	51.649	16	33.6	58.47	16	33.6	A0	17	3036	A -4 2209
77		9.0A	2 54.615	-0.0019	12	-8 32 8.10	-0.075	12	0.25	54.646	16	33.6	6.86	16	33.6	G0	16	3047	A -8 2214
78		9.1A	3 0.061	-0.0048	09	-0 48 36.68	-0.027	11	0.22	0.127	17	36.2	36.32	17	36.2	G5	21	2435K	A -0 1902
79		8.1A	3 1.370	-0.0004	12	-9 47 2.99	-0.030	12	0.25	1.377	16	33.6	2.49	16	33.6	K	16	3048	A -9 2361
80		8.7A	3 2.977	-0.0012	13	-5 24 3.10	-0.007	13	0.27	2.996	16	33.6	2.99	16	33.6	K0	17	3038	A -5 2356
81		8.9A	3 3.543	-0.0000	13	-3 40 15.77	0.015	13	0.27	3.544	16	33.6	16.02	16	33.6	F0	17	3037	A -3 2206
82		8.7A	3 5.432	0.0005	13	-4 54 8.44	-0.028	13	0.27	5.425	16	33.6	7.98	16	33.6	K0	17	3039	A -4 2210
83		6.9T	3 5.518	-0.0011	16	-9 58 45.61	-0.004	14	0.76	5.569	22	02.6	45.40	22	00.8	B9	GC	10981	-9 2363
84		8.7A	3 9.141	-0.0000	12	-7 51 49.30	0.010	12	0.25	9.141	16	33.6	49.46	16	33.6	A0	16	3050	A -7 2344
85		9.0A	3 9.552	-0.0006	13	-5 32 38.72	0.017	13	0.27	9.564	16	33.6	39.00	16	33.6	G5	17	3040	A -5 2357
86		8.3A	3 11.211	-0.0007	13	-4 30 48.28	-0.006	13	0.27	11.223	16	33.6	48.18	16	33.6	A0	17	3041	A -4 2212
87		8.4A	3 13.852	-0.0014	12	-8 18 23.90	0.007	12	0.25	13.875	16	33.6	24.02	16	33.6	G5	16	3051	A -8 2215
88		6.6T	3 16.405	-0.0017	04	-0 25 46.47	-0.016	04	0.18	16.471	06	09.8	45.86	06	10.4	K0	GC	10986	-0 1903
89		9.2A	3 18.362	-0.0018	09	-1 31 37.80	-0.011	11	0.22	18.387	17	36.2	37.64	17	36.2	A5 R	21	2438	A -1 1948
90		9.4A	3 20.139	-0.0017	09	-1 37 0.29	-0.009	11	0.22	20.162	17	36.2	0.16	17	36.2	A2	21	2439K	A -1 1949
91		8.8A	3 20.937	-0.0006	12	-7 8 21.00	-0.020	12	0.25	20.947	16	33.6	20.67	16	33.6	A2	16	3052	A -6 2451
92		9.3A	3 21.620	0.0006	12	-7 13 20.46	-0.003	12	0.25	21.610	16	33.6	20.42	16	33.6	F0	16	3053	A -6 2452
93		8.8A	3 22.573	-0.0029	13	-6 18 3.40	0.003	13	0.27	22.621	16	33.6	3.45	16	33.6	K0	17	3042	A -6 2450
94		9.1A	3 27.876	-0.0010	12	-9 10 37.88	-0.007	12	0.25	27.892	16	33.6	37.76	16	33.6	M8	16	3055	A -8 2216
95		8.6A	3 30.143	0.0044	09	-0 37 53.26	-0.072	11	0.22	30.083	17	36.2	52.30	17	36.2	G5	21	2440K	A -0 1904
96		8.5A	3 35.349	0.0011	13	-2 38 8.33	-0.015	13	0.27	35.332	16	33.6	8.09	16	33.6	F8	17	3043	A -2 2424
97		9.0A	3 46.051	0.0002	12	-6 21 6.11	-0.004	12	0.25	46.048	16	33.6	6.05	16	33.6	A2	16	3056	A -6 2218
98		8.6A	3 47.776	0.0001	12	-7 36 47.59	0.029	12	0.25	47.774	16	33.6	48.07	16	33.6	A0	16	3057	A -7 2347
99		8.8A	3 47.995	-0.0002	13	-4 18 5.91	-0.007	13	0.27	47.999	16	33.6	5.80	16	33.6	A2	17	3044	A -4 2214
00		8.9A	3 49.128	0.0004	12	-7 13 34.44	-0.009	12	0.25	49.121	16	33.6	34.30	16	33.6	A0	16	3058	A -6 2454

135500			EPOCH 1950								ORIGINAL EPOCH							SP.	SOURCE		− 0° 8H
NUMBER	MAGNITUDES		α_{1950}		μ	σ_μ	δ_{1950}		μ'	$\sigma_{\mu'}$	σ_{1950}	α_2	σ	ep.	δ_2	σ'	ep.		CAT.	STAR NUMBER	DM NUMBER
	m_{pg}	m_v	h m	s	s	″.001	° ′	″	″	″.001	″	s	″.01		″	″.01					
1		7.8A	8 3	52.815	0.0015	12	-9 31	3.97	-0.008	12	0.25	52.790	16	33.6	2.52	16	33.6	KO	16	3059	A -9 2367
2		7.8A	3	54.920	-0.0008	09	-2 14	57.03	-0.008	11	0.22	54.931	17	36.2	56.92	17	36.2	G5	21	2442	A -1 1955
3		9.0A	3	55.889	-0.0002	09	-2 10	9.01	-0.006	11	0.22	55.891	17	36.2	8.93	17	36.2	G5 R	21	2443	A -1 1954
4		8.4A	4	1.765	0.0000	12	-9 5	34.06	0.001	12	0.25	1.764	16	33.6	34.07	16	33.6	A0	16	3061	A -8 2221
5		5.9T	4	2.921	-0.0003	09	-8 6	0.19	-0.016	05	0.43	2.937	18	91.4	59.31	12	95.6	A0	GC	11006K	-8 2222
6		8.7A	4	3.230	-0.0016	13	-3 21	36.60	0.002	13	0.27	3.256	16	33.6	36.64	16	33.6	K2	17	3047	A -3 2208
7		8.8A	4	3.626	0.0010	13	-4 49	42.01	-0.024	13	0.27	3.610	16	33.6	41.62	16	33.6	MA	17	3048	A -4 2218
8		9.0A	4	3.873	-0.0014	13	-6 23	21.69	-0.042	13	0.27	3.896	16	33.3	20.99	16	33.3	G0 R	17	3049	A -6 2457
9		9.0A	4	5.169	-0.0006	13	-6 23	50.83	-0.012	13	0.27	5.179	16	33.6	50.83	16	33.6	A2	17	3051	A -6 2458
10		9.5A	4	6.068	-0.0013	12	-7 8	35.31	-0.018	12	0.25	6.089	16	33.5	35.01	16	33.5	K0 R	16	3064	A -6 2459
11		9.1A	4	6.552	-0.0033	13	-4 45	51.67	-0.047	13	0.27	6.607	16	33.6	50.89	16	33.6	G5	17	3050	A -4 2219
12		8.2A	4	7.966	-0.0014	13	-5 10	46.28	-0.005	13	0.27	7.988	16	33.6	46.20	16	33.6	K0	17	3052	A -4 2220
13		8.8A	4	10.348	-0.0030	13	-5 29	26.46	-0.098	13	0.27	10.398	16	33.6	26.85	16	33.6	K0	17	3053	A -5 2343
14		8.0A	4	19.696	-0.0022	09	-1 30	9.96	0.012	11	0.22	19.725	17	36.2	10.15	17	36.2	A0	21	3448	A -1 1957
15		9.1A	4	22.494	-0.0016	12	-8 26	13.34	-0.019	12	0.25	22.520	16	33.6	13.03	16	33.6	G0	16	3065	A -8 2226
16		8.8A	4	23.859	-0.0007	13	-2 50	3.16	-0.011	13	0.27	23.871	16	33.6	2.98	16	33.6	A0	17	3054K	A -2 2430
17		9.0A	4	24.359	0.0006	12	-9 31	36.05	-0.032	12	0.25	24.348	16	33.6	35.52	16	33.6	A2	16	3067	A -9 2372
18		9.1A	4	25.047	0.0004	12	-6 49	45.94	0.001	12	0.25	25.041	16	33.5	45.95	16	33.5	M0 R	16	3066	A -6 2462
19		8.2A	4	33.735	-0.0014	13	-3 52	8.35	0.000	13	0.27	33.758	16	33.6	8.35	16	33.6	G5	17	3055	A -3 2211
20		9.0A	4	34.427	-0.0036	13	-3 42	58.50	-0.040	13	0.27	34.486	16	33.6	57.85	16	33.6	K2	17	3056	A -3 2212
21		9.3A	4	38.548	-0.0023	13	-4 41	56.82	0.011	13	0.27	38.586	16	33.6	56.99	16	33.6	G5	17	3057	A -4 2223
22		9.2A	4	41.945	-0.0022	09	-0 39	31.52	-0.037	11	0.22	41.975	17	36.2	31.02	17	36.2	F8 R	21	2450	A -0 1911
23		8.8A	4	44.603	-0.0024	13	-3 13	38.15	-0.020	13	0.28	44.642	16	33.1	37.82	16	33.1	K2	17	3058	A -2 2435
24		8.9A	4	44.749	-0.0022	12	-8 17	4.63	0.007	12	0.26	44.787	16	33.1	4.75	16	33.1	K0	16	3070	A -8 2228
25		8.8A	4	45.600	-0.0014	13	-6 19	52.01	0.004	13	0.28	45.623	16	33.1	52.08	16	33.1	F2	17	3059	A -6 2444
26		9.0A	4	51.339	-0.0014	12	-2 59	25.51	-0.009	12	0.26	51.362	16	33.1	25.36	16	33.1	K2	17	3060	A -2 2436
27		9.0A	4	59.726	-0.0020	12	-8 52	43.09	-0.003	12	0.26	59.759	16	33.1	43.04	16	33.1	K0	16	3071	A -8 2230
28		8.8A	5	4.273	-0.0011	13	-5 41	6.81	-0.054	13	0.28	4.291	16	33.1	5.90	16	33.1	F5	17	3062	A -5 2368
29		8.7A	5	4.718	-0.0007	13	-4 20	19.74	0.000	11	0.26	4.731	16	33.1	19.74	16	33.1	A5	17	3061	A -4 2225
30		6.8T	5	10.918	-0.0007	14	-3 15	38.32	-0.002	16	0.81	10.958	17	96.8	38.22	18	98.3	M0	GC	11088	-2 2437
31		8.4A	5	11.542	-0.0016	12	-8 25	53.90	-0.014	12	0.26	11.570	16	33.1	53.67	16	33.1	K0	16	3072	A -8 2232
32		8.4A	5	12.537	0.0041	13	-5 59	44.81	-0.081	13	0.28	12.468	16	33.1	43.45	16	33.1	K0	17	3064	A -5 2371
33		8.9A	5	16.708	-0.0006	12	-7 9	53.32	-0.022	12	0.26	16.718	16	33.1	52.95	16	33.1	K2	17	3073	A -6 2470
34		8.6A	5	28.833	-0.0005	13	-4 50	43.94	-0.003	13	0.28	28.842	16	33.1	43.89	16	33.1	A2	17	3066	A -4 2229
35		8.2Q	5	28.914	-0.0014	11	-4 13	23.65	0.000	08	0.50	28.977	18	03.6	23.65	18	98.0	A0	GC	11037	-3 2217
36		8.0A	5	30.180	-0.0017	13	-3 34	59.09	-0.022	13	0.28	30.209	16	33.1	58.71	16	33.1	K0	17	3067	A -3 2216
37		9.1A	5	30.342	0.0005	09	-0 41	31.13	-0.015	11	0.22	30.335	17	36.2	30.93	17	36.2	F8	21	2454	A -0 1914
38		9.2A	5	30.759	-0.0004	12	-9 23	9.45	0.005	12	0.26	30.767	16	33.1	9.53	16	33.1	G5	16	3077	A -9 2365
39		9.1A	5	32.643	-0.0026	12	-6 25	33.86	0.006	12	0.25	32.684	16	33.3	33.97	16	33.3	K2 R	17	3068	A -6 2471
40		8.5A	5	33.047	-0.0000	12	-6 50	14.04	-0.000	12	0.26	33.047	16	33.1	14.04	16	33.1	MA	16	3076	A -6 2473
41		9.0A	5	38.251	-0.0015	09	-0 33	50.23	-0.012	11	0.22	38.271	17	36.2	50.07	17	36.2	K0 R	21	2455	A -0 1916
42		9.3A	5	42.063	-0.0008	12	-9 16	41.05	-0.001	12	0.26	42.077	16	33.1	41.03	16	33.1	G5	16	3078	A -9 2366
43		8.8A	5	43.866	0.0008	12	-8 35	30.54	-0.014	11	0.25	43.851	16	33.1	30.30	16	33.1	K0	16	3079	A -8 2235
44		9.5A	5	44.927	-0.0005	12	-7 38	19.40	0.022	12	0.26	44.935	16	33.1	19.77	16	33.1	A5	16	3080	A -7 2356
45		9.2A	5	47.034	-0.0033	12	-8 21	25.45	0.024	12	0.25	47.089	16	33.5	25.85	16	33.5	G0 R	16	3081	A -8 2236
46		8.9A	5	49.617	-0.0016	11	-9 57	26.02	-0.017	11	0.24	49.644	16	33.1	25.72	16	33.1	K0	16	3082	A -9 2367
47		8.6A	5	53.352	-0.0026	09	-0 53	5.11	-0.010	11	0.22	53.368	17	36.2	4.97	17	36.2	MA	21	2459	A -0 1917
48		9.0A	5	55.772	-0.0057	13	-2 23	23.63	0.029	13	0.28	55.869	16	33.1	24.13	16	33.1	F8	17	3069	A -2 2447
49		9.0A	6	0.828	-0.0019	13	-2 50	39.83	0.007	13	0.28	0.859	16	33.1	39.95	16	33.1	K5 F	17	3070	A -2 2449
50		9.0A	6	1.044	-0.0024	09	-1 33	10.42	-0.012	11	0.22	1.077	17	36.2	10.26	17	36.2	K0 R	21	2462	A -1 1962
51		4.4T	8 6	4.849	-0.0014	03	-2 50	12.87	-0.008	03	0.19	4.929	09	95.0	12.41	07	91.3	G0	GC	11051K	B* -2 2450
52		8.8A	6	9.573	-0.0003	09	-1 15	18.39	-0.009	11	0.22	9.577	17	36.2	18.27	17	36.2	A0	21	2464	A -0 1919
53		9.0A	6	25.949	-0.0015	13	-3 15	30.20	-0.001	13	0.28	25.975	16	33.1	30.19	16	33.1	K0 F	17	3072	A -2 2454
54		9.3A	6	27.993	-0.0014	12	-7 21	18.35	-0.004	12	0.26	28.016	16	33.1	18.28	16	33.1	A3	16	3084	A -7 2360
55		9.0A	6	30.114	-0.0014	13	-4 46	35.98	-0.002	13	0.28	30.138	16	33.1	35.94	16	33.1	K5	17	3073	A -4 2234
56		9.0A	6	32.656	-0.0006	09	-1 28	58.90	-0.019	11	0.22	32.664	17	36.2	58.65	17	36.2	F0	21	2469	A -1 1965
57		9.0A	6	32.749	-0.0018	09	-0 39	34.45	-0.004	11	0.22	32.774	17	36.2	34.39	17	36.2	F0	21	2467	A -0 1921
58		9.0A	6	33.920	-0.0020	12	-5 24	16.65	-0.013	12	0.26	33.954	16	33.1	16.43	16	33.1	G5	17	3074	A -5 2378
59		9.2A	6	34.517	-0.0006	09	-2 3	36.99	-0.002	11	0.22	34.526	17	36.2	36.96	17	36.2	F0 R	21	2470	A -1 1966
60		9.0A	6	41.936	0.0002	11	-8 45	57.18	-0.024	11	0.24	41.933	16	33.1	56.77	16	33.1	K0	16	3085	A -8 2243
61		8.0A	6	44.913	-0.0008	09	-0 18	6.22	-0.026	11	0.22	44.924	17	36.2	5.87	17	36.2	A0	21	2472	A -0 1922
62		7.5A	6	46.363	-0.0005	13	-4 24	20.38	0.029	13	0.28	46.392	16	33.1	20.87	16	33.1	MA	17	3075	A -4 2235
63		9.0A	6	48.699	-0.0036	09	-1 32	11.35	-0.034	11	0.22	48.748	17	36.2	10.88	17	36.2	F2 R	21	2473	A -1 1967
64		9.2A	6	50.660	-0.0017	13	-9 5	53.33	-0.020	13	0.28	50.709	16	33.1	52.99	16	33.1	K0	16	3087	A -8 2244
65		8.8A	6	53.113	-0.0029	09	-1 31	43.06	0.004	11	0.22	53.153	17	36.2	43.11	17	36.2	F0	21	2474	A -1 1968
66		9.0A	7	1.466	-0.0023	09	-0 9	59.94	-0.016	11	0.22	1.497	17	36.2	59.73	17	36.2	A3	21	2475	A 0 2205
67		9.0A	7	4.505	-0.0020	09	-2 1	46.82	0.003	11	0.22	4.532	17	36.2	46.86	17	36.2	F0	21	2476	A -1 1969
68		8.1A	7	9.387	-0.0020	13	-5 58	40.86	-0.011	13	0.28	9.420	16	33.1	40.68	16	33.1	K5	17	3076	A -5 2381
69		8.6A	7	15.305	0.0002	09	-6 45	34.24	-0.014	09	0.22	15.301	16	33.1	34.01	16	33.1	K0	16	3088	A -6 2487
70		8.6A	7	16.142	-0.0019	11	-9 51	23.88	-0.033	11	0.24	16.173	16	33.1	23.32	16	33.1	F2	16	3090	A -9 2397
71		9.1A	7	18.314	-0.0008	09	-2 2	25.89	-0.034	11	0.22	18.325	17	36.2	25.42	17	36.2	F8	21	2478	A -1 1972
72		9.1A	7	18.470	-0.0010	11	-6 42	9.44	-0.001	11	0.24	18.487	16	33.1	9.43	16	33.1	A0	16	3089	A -6 2488
73		9.0A	7	19.542	-0.0006	13	-5 3	4.91	-0.026	13	0.28	19.551	16	33.1	4.47	16	33.1	K2	17	3078	A -4 2238
74		8.0A	7	20.228	-0.0020	12	-4 0	13.19	-0.016	09	0.24	20.262	16	33.1	12.92	16	33.1	K0	17	3077	A -3 2228
75		8.8A	7	20.976	-0.0012	13	-4 14	45.06	0.018	13	0.28	20.997	16	33.1	45.37	16	33.1	K0	17	3079	A -3 2229
76		9.0A	7	24.365	0.0013	09	-2 47	23.10	0.021	09	0.22	24.362	16	33.1	23.46	16	33.1	A2	17	3080	A -2 2463
77		8.8A	7	28.382	-0.0015	12	-5 27	22.35	-0.022	12	0.26	28.407	16	33.1	21.98	16	33.1	K0	17	3081	A -5 2386
78		9.1A	7	33.904	-0.0012	09	-0 48	53.93	0.009	11	0.22	33.921	17	36.2	54.06	17	36.2	A0	21	2480	A -0 1923
79		9.2A	7	39.017	-0.0050	09	-2 19	8.80	0.010	11	0.22	39.086	17	36.2	8.94	17	36.2	K0 R	21	2481	A -2 2464
80		7.7T	7	39.342	-0.0015	10	-6 35	46.85	-0.030	08	0.50	39.418	15	97.7	45.27	15	97.5	M0	GC	11095	-6 2489
81		8.7A	7	43.167	-0.0016	13	-3 7	12.34	-0.007	13	0.28	43.194	16	33.1	12.23	16	33.1	A2	17	3082	A -2 2465
82		8.7A	7	47.500	-0.0023	12	-3 27	48.42	-0.035	12	0.26	47.538	16	33.1	47.83	16	33.1	G5	17	3083	A -3 2232
83		9.0A	7	47.886	-0.0010	13	-5 41	27.97	-0.014	13	0.28	47.902	16	33.1	27.74	16	33.1	K5	17	3084	A -5 2389
84		9.0A	7	54.187	0.0002	09	-1 4	5.09	-0.024	11	0.22	54.183	17	36.2	4.77	17	36.2	A0	21	2484	A -0 1926
85		9.0A	7	55.292	-0.0020	13	-5 34	10.26	-0.010	13	0.28	55.325	16	33.1	10.09	16	33.1	A0	17	3085	A -5 2391
86		9.2A	8	1.641	-0.0030	09	-2 18	29.95	-0.038	11	0.22	1.682	17	36.2	29.43	17	36.2	F8 R	21	2486	A -2 2468
87		7.8A	8	6.286	-0.0006	12	-9 27	21.92	-0.030	12	0.26	6.295	16	33.1	21.41	16	33.1	MB	16	3092	A -9 2404
88		8.9A	8	13.579	-0.0003	12	-7 34	43.28	-0.003	12	0.26	13.584	16	33.1	43.23	16	33.1	K5	16	3093	A -7 2371
89		8.9A	8	18.223	-0.0026	13	-5 40	41.53	-0.009	13	0.28	18.266	16	33.1	41.38	16	33.1	G5	17	3086	A -5 2392
90		8.9A	8	27.628	-0.0012	09	-0 9	43.19	-0.021	11	0.22	27.645	17	36.2	42.91	17	36.2	A0	21	2487	A 0 2216
91		8.4A	8	29.934	0.0046	09	-1 1	4.54	-0.077	11	0.22	29.871	17	36.2	3.49	17	36.2	K0	21	2488	A -0 1927
92		6.6T	8	31.434	-0.0043	12	-6 35	56.20	0.035	12	0.61	31.652	15	98.8	57.96	17	99.6	K0	GC	11122	-6 2494
93		9.2A	8	32.865	-0.0012	09	-2 5	2.05	-0.032	11	0.22	32.881	17	36.2	1.61	17	36.2	A	21	2489	A -1 1974
94		9.1A	8	33.498	-0.0005	09	-3 38	31.61	0.015	09	0.22	33.507	16	33.1	31.86	16	33.1	K0 F	17	3088	A -3 2236
95		9.0A	8	33.893	-0.0028	11	-9 13	0.96	-0.018	09	0.23	33.936	16	33.1	0.65	16	33.1	G5	16	3095	A -8 2254
96		9.4A	8	35.702	-0.0014	12	-2 8	18.56	-0.017	12	0.26	35.727	16	33.1	18.28	16	33.1	A2	17	3089	A -1 1975
97		8.9A	8	40.110	-0.0024	12	-7 49	40.93	0.007	12	0.26	40.150	16	33.1	41.04	16	33.1	A0	16	3096	A -7 2377
98		9.2A	8	40.461	-0.0017	11	-9 46	48.34	-0.011	11	0.24	40.490	16	33.1	48.15	16	33.1	A2	16	3097	A -9 2409
99		8.1A	8	40.942	-0.0005	09	-1 24	59.86	-0.006	11	0.22	40.948	17	36.2	59.78	17	36.2	A0	21	2490	A -1 1976
00		8.7A	8	42.578	-0.0037	13	-4 15	50.55	0.011	13	0.28	42.642	16	33.1	50.74	16	33.1	G0	17	3091	A -3 2239

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NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	EPOCH 1950 μ s	EPOCH 1950 σ_μ ″.001	EPOCH 1950 δ_{1950} ° ′ ″	EPOCH 1950 μ' ″	EPOCH 1950 σ'_μ ″.001	EPOCH 1950 σ_{1950} ″	ORIGINAL EPOCH α_2 s	ORIGINAL EPOCH σ ″.01	ORIGINAL EPOCH ep.	ORIGINAL EPOCH δ_2 ″	ORIGINAL EPOCH σ' ″.01	ORIGINAL EPOCH ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	DM	DM NUMBER
1		9.0A	8 8 42.684	-0.0003	13	-2 49 28.20	0.016	13	0.28	42.689	16	33.1	28.47	16	33.1	K0	17	3090	A	-2 2471
2		8.5A	8 43.484	-0.0029	12	-3 54 31.32	0.003	12	0.26	43.533	16	33.1	31.36	16	33.1	F5	17	3092	A	-3 2240
3		9.1A	8 44.226	-0.0003	12	-8 32 20.25	0.008	12	0.25	44.231	16	33.5	20.38	16	33.5	K R	16	3098	A	-8 2255
4		8.9A	8 45.921	-0.0014	12	-8 29 44.27	0.002	12	0.26	45.944	16	33.1	44.31	16	33.1	F2	16	3099	A	-8 2256
5		8.7A	8 46.793	-0.0029	12	-9 52 29.35	-0.020	12	0.26	46.842	16	33.1	29.01	16	33.1	F0	16	3101	A	-9 2410
6		8.5A	8 46.864	-0.0027	12	-2 27 19.67	-0.016	12	0.26	46.910	16	33.1	19.40	16	33.1	F0	17	3093	A	-2 2472
7		8.3A	8 48.064	-0.0002	12	-7 2 58.36	-0.016	12	0.26	48.067	16	33.1	58.29	16	33.1	F5	17	3100	A	-6 2498
8		8.8A	8 54.466	-0.0017	09	-1 4 54.31	-0.024	11	0.22	54.489	17	36.2	53.99	17	36.2	A2	21	2492	A	-0 1928
9		9.1A	8 55.918	-0.0002	11	-7 13 58.94	0.013	11	0.24	55.922	16	33.1	59.16	16	33.1	F5	17	3102	A	-6 2499
10		7.5A	9 6.000	-0.0075	13	-5 52 0.04	0.089	13	0.28	6.127	16	33.1	1.21	16	33.1	G0	17	3095	A	-5 2395
11		5.4T	9 7.008	-0.0031	07	-7 37 20.02	-0.025	06	0.30	7.133	12	09.0	18.97	10	08.2	G5	GC	11138	B#	-7 2378
12		8.8A	9 8.461	-0.0007	13	-3 39 4.71	-0.005	13	0.28	8.473	16	33.1	4.63	16	33.1	F2	17	3094	A	-3 2245
13		8.6A	9 10.651	0.0018	12	-9 13 9.79	-0.056	12	0.26	10.620	16	33.1	8.84	16	33.1	K2	16	3104	A	-8 2259
14		8.9A	9 16.872	-0.0008	13	-5 16 40.13	-0.010	13	0.28	16.884	16	33.1	39.97	16	33.1	A2	17	3096	A	-5 2396
15		9.0A	9 17.551	-0.0010	12	-7 29 46.55	0.030	12	0.26	17.567	16	33.1	47.05	16	33.1	F0	16	3105	A	-7 2379
16		9.0A	9 19.958	-0.0043	13	-2 44 31.97	-0.013	13	0.28	20.030	16	33.1	31.75	16	33.1	G0	17	3097	A	-2 2475
17		9.0A	9 20.865	-0.0003	09	-0 36 53.58	-0.010	11	0.22	20.870	17	36.2	53.45	17	36.2	A2	21	2495	A	-0 1931
18		8.8A	9 22.032	-0.0070	12	-7 7 33.14	-0.018	12	0.26	22.150	16	33.1	32.84	16	33.1	F8	16	3106	A	-6 2503
19		8.8A	9 22.834	-0.0021	12	-3 12 18.64	-0.013	12	0.26	22.870	16	33.1	18.43	16	33.1	A2	17	3098	A	-2 2476
20		8.8A	9 28.135	-0.0014	12	-7 57 47.38	0.001	12	0.26	26.159	16	33.1	47.40	16	33.1	K0	16	3107	A	-7 2381
21		9.0A	9 39.386	-0.0011	13	-6 17 49.56	0.001	13	0.28	39.404	16	33.1	49.58	16	33.1	G5	17	3099	A	-6 2506
22		8.0A	9 40.550	-0.0018	13	-5 56 35.88	-0.015	13	0.28	40.581	16	33.1	35.63	16	33.1	K0	17	3100	A	-5 2399
23		8.8A	9 41.471	-0.0003	09	-0 51 24.61	-0.023	11	0.22	41.475	17	36.2	24.30	17	36.2	M0 R	21	2497	A	-0 1933
24		8.3A	9 47.204	-0.0018	12	-8 23 6.45	-0.035	12	0.26	47.234	16	33.1	5.85	16	33.1	A2	16	3109	A	-8 2263
25		9.0A	9 51.698	-0.0035	13	-3 47 27.44	-0.041	13	0.28	51.758	16	33.1	26.75	16	33.1	F8	17	3101	A	-3 2252
26		9.0A	9 58.167	0.0000	09	-1 49 44.13	-0.010	11	0.22	58.166	17	36.2	43.99	17	36.2	K0	21	2499	A	-1 1982
27		9.0A	10 2.082	-0.0014	12	-8 2 9.04	-0.022	12	0.26	2.106	16	33.1	8.67	16	33.1	K0	16	3110	A	-7 2382
28		9.3A	10 13.548	-0.0008	13	-2 7 30.57	0.016	13	0.28	13.563	16	33.1	30.84	16	33.1	A1 F	17	3102	A	-1 1984
29		8.9A	10 15.882	0.0001	12	-6 43 10.13	-0.026	12	0.26	15.880	16	33.1	9.69	16	33.1	G5	16	3111	A	-6 2509
30		8.5A	10 15.889	-0.0005	13	-2 28 58.33	0.012	13	0.28	15.898	16	33.1	58.54	16	33.1	A5	17	3103	A	-2 2480
31		9.1A	10 22.086	-0.0008	12	-6 40 8.55	-0.000	12	0.26	22.099	16	33.1	8.54	16	33.1	F8	16	3113	A	-6 2511
32		8.9A	10 23.843	-0.0010	12	-6 30 5.46	0.024	12	0.26	23.859	16	33.1	5.87	16	33.1	K0	16	3114	A	-6 2513
33		9.6A	10 24.302	-0.0009	12	-6 56 18.60	0.075	12	0.26	24.317	16	33.1	19.87	16	33.1	G0 R	16	3116	A	-6 2512
34		8.2G	10 24.752	0.0093	14	-7 3 6.34	-0.062	15	0.68	24.335	17	05.4	2.63	18	04.8	K0	GC	11170		-6 2514
35		9.1A	10 30.209	-0.0018	13	-5 25 3.72	-0.005	13	0.28	30.240	16	33.1	3.64	16	33.1	A0	17	3105	A	-5 2411
36		8.9A	10 31.608	0.0001	09	-2 18 52.31	0.010	11	0.22	31.606	17	36.2	52.45	17	36.2	F5	21	2500	A	-2 2482
37		9.0A	10 35.036	-0.0026	17	-4 0 59.25	-0.009	17	0.32	35.080	16	33.1	59.10	16	33.1	K2 F	17	3107	A	-3 2256
38		9.0A	10 35.780	-0.0019	13	-2 45 36.55	-0.009	13	0.28	35.811	16	33.1	36.40	16	33.1	A0 F	17	3106	A	-2 2483
39		9.0A	10 40.275	-0.0002	12	-5 29 30.46	0.001	12	0.26	40.277	16	33.1	30.48	16	33.1	A2	17	3108	A	-5 2414
40		8.7A	10 42.975	0.0069	09	-0 35 50.36	-0.079	11	0.22	42.880	17	36.2	49.28	17	36.2	G0	21	2501	A	-0 1937
41		9.1A	10 44.294	-0.0033	17	-4 0 49.50	-0.007	17	0.32	44.350	16	33.1	49.38	16	33.1	G5	17	3109	A	-3 2258
42		8.6A	10 48.935	-0.0010	09	-1 16 29.23	-0.018	11	0.22	48.949	17	36.2	28.99	17	36.2	K0	21	2503	A	-1 1988
43		6.5T	10 49.190	-0.0022	10	-1 0 51.22	0.003	11	0.58	49.318	17	93.0	51.39	17	98.6	K0	GC	11179		-0 1938
44		8.6A	10 49.744	-0.0001	17	-5 29 20.81	-0.014	17	0.32	49.745	16	33.1	20.58	16	33.1	A0	17	3110	A	-5 2419
45		8.7A	10 55.202	-0.0021	13	-3 54 47.50	0.016	13	0.28	55.238	16	33.1	47.77	16	33.1	K0	17	3112	A	-3 2260
46		8.9A	11 4.427	-0.0022	12	-6 32 17.95	-0.001	12	0.26	4.465	16	33.1	17.93	16	33.1	K5 R	16	3118	A	-6 2516
47		8.6A	11 4.582	0.0001	12	-7 16 56.88	-0.006	12	0.26	4.580	16	33.1	56.77	16	33.1	K0	16	3119	A	-6 2518
48		9.2A	11 6.195	-0.0015	12	-9 40 8.79	0.003	12	0.26	6.220	16	33.1	8.84	16	33.1	A0	16	3121	A	-9 2427
49		7.1A	11 6.901	-0.0020	13	-6 26 33.10	-0.002	13	0.28	6.935	16	33.1	33.07	16	33.1	K0	17	3114	A	-6 2517
50		9.0A	11 10.108	-0.0021	13	-3 1 14.73	0.017	13	0.28	10.143	16	33.1	15.02	16	33.1	K2 F	17	3113	A	-2 2485
51		9.0A	8 11 13.592	-0.0014	09	-1 5 39.37	0.005	11	0.22	13.611	17	36.2	39.44	17	36.2	K0	21	2504	A	-0 1940
52		9.1A	11 15.501	-0.0019	12	-9 34 30.59	-0.007	12	0.26	15.533	16	33.1	30.46	16	33.1	F8	16	3122	A	-9 2429
53		9.0A	11 16.109	0.0003	17	-5 39 40.98	0.018	17	0.32	16.104	16	33.1	41.29	16	33.1	A	17	3115	A	-5 2432
54		9.0A	11 16.685	-0.0004	12	-5 38 52.84	0.015	12	0.25	16.691	16	33.3	53.09	16	33.3		17	3116	A	-5 2433
55		9.0A	11 16.982	-0.0014	09	-0 15 46.21	-0.016	11	0.22	17.001	17	36.2	46.00	17	36.2	K0 R	21	2506	A	0 2227
56		8.6A	11 19.418	-0.0000	13	-5 28 18.17	-0.017	13	0.28	19.418	16	33.1	17.89	16	33.1	A2	17	3118	A	-5 2436
57		8.9A	11 22.154	-0.0046	09	-0 18 8.95	-0.022	11	0.22	22.216	17	36.2	8.66	17	36.2	F8 R	21	2507	A	-0 1941
58		8.5A	11 23.396	-0.0012	13	-6 20 3.89	-0.003	13	0.28	23.416	16	33.1	3.84	16	33.1	K0	17	3119	A	-6 2521
59		8.9A	11 24.732	-0.0033	12	-7 29 13.59	-0.032	12	0.26	24.787	16	33.1	13.05	16	33.1	K0 R	16	3124	A	-7 2388
60		8.4A	11 25.509	-0.0019	12	-8 4 3.62	-0.000	12	0.26	25.541	16	33.1	3.62	16	33.1	G5	16	3125	A	-7 2389
61		8.9A	11 27.205	-0.0008	13	-3 54 4.09	0.019	13	0.28	27.220	16	33.1	4.41	16	33.1	G5	17	3120	A	-3 2264
62		8.2A	11 29.375	0.0001	13	-4 30 9.62	-0.012	13	0.28	29.373	16	33.1	9.41	16	33.1	F5	17	3121	A	-4 2259
63		8.5A	11 34.490	-0.0007	12	-9 52 46.95	0.003	12	0.26	34.502	16	33.1	47.00	16	33.1	B9	16	3127	A	-9 2435
64		8.4A	11 37.456	0.0003	09	-0 22 2.50	-0.019	11	0.22	37.452	17	36.2	2.23	17	36.2	K0	21	2508	A	-0 1942
65		8.7A	11 38.678	0.0027	12	-6 42 7.49	-0.042	12	0.26	38.631	16	33.1	6.78	16	33.1	K0	16	3128	A	-6 2523
66		7.7A	11 41.800	-0.0006	12	-8 42 24.20	-0.027	12	0.26	41.810	16	33.1	23.74	16	33.1	K0	16	3129	A	-8 2272
67		9.0A	11 47.271	-0.0007	13	-5 34 6.54	-0.008	13	0.28	47.283	16	33.1	6.41	16	33.1	A2	17	3122	A	-5 2446
68		8.4A	11 48.960	-0.0013	13	-5 44 50.81	0.001	13	0.28	48.982	16	33.1	50.83	16	33.1	K0	17	3123	A	-5 2447
69		9.0A	11 53.590	-0.0033	09	-1 17 46.79	-0.022	11	0.22	53.594	17	36.2	46.50	17	36.2	F5	21	2510	A	-1 1990
70		7.3A	11 53.884	-0.0026	13	-3 40 36.94	-0.020	13	0.28	53.928	16	33.1	36.60	16	33.1	K2	17	3124	A	-3 2268
71		8.9A	11 54.405	-0.0020	12	-7 55 8.02	0.010	12	0.26	54.438	16	33.1	8.18	16	33.1	F5	16	3130	A	-7 2391
72		8.9A	12 4.251	0.0009	12	-6 45 11.14	-0.016	12	0.26	4.235	16	33.1	10.87	16	33.1	F2	16	3131	A	-6 2525
73		9.2A	12 4.628	-0.0020	09	-2 32 29.35	0.017	09	0.22	4.661	16	33.1	29.64	16	33.1	K1 F	17	3125	A	-2 2490
74		9.0A	12 9.146	-0.0011	09	-1 47 24.30	-0.012	11	0.22	9.161	17	36.2	24.13	17	36.2	K0	21	2513	A	-1 1992
75		9.1A	12 11.317	-0.0025	11	-8 26 26.99	0.021	11	0.24	11.359	16	33.1	27.35	16	33.1	G0	16	3132	A	-8 2275
76		9.0A	12 16.476	0.0024	09	-1 13 28.05	0.019	11	0.22	16.443	17	36.2	26.32	17	36.2	G5	21	2514	A	-0 1945
77		8.8A	12 28.921	0.0006	09	-1 51 59.98	-0.062	11	0.22	28.913	17	36.2	59.12	17	36.2	G5	21	2515	A	-1 1994
78		9.1A	12 31.729	-0.0000	13	-5 22 51.41	-0.029	13	0.28	31.729	16	33.1	50.93	16	33.1	G5	17	3127	A	-5 2459
79		9.0A	12 39.065	-0.0016	13	-6 9 50.73	-0.022	13	0.28	39.091	16	33.1	50.36	16	33.1	A2	17	3128	A	-5 2461
80		8.4A	12 40.757	0.0009	12	-6 45 47.32	-0.167	12	0.26	40.741	16	33.1	44.50	16	33.1	G5	16	3134	A	-6 2528
81		8.5A	12 42.548	-0.0011	09	-0 36 29.08	-0.004	11	0.22	42.563	17	36.2	29.03	17	36.2	A3	21	2517	A	-0 1946
82		9.0A	12 43.980	0.0007	13	-6 9 41.16	-0.002	13	0.28	43.968	16	33.1	41.13	16	33.1	A2	17	3130	A	-5 2462
83		8.8A	12 47.014	-0.0016	12	-7 45 25.63	0.011	12	0.26	47.041	16	33.1	25.82	16	33.1	K0 R	16	3137	A	-7 2398
84		8.8A	12 47.062	-0.0017	13	-2 40 25.38	-0.007	13	0.28	47.091	16	33.1	25.27	16	33.1	A0	17	3129	A	-2 2495
85		9.3A	12 49.837	-0.0017	11	-8 22 25.39	-0.005	11	0.24	49.866	16	33.1	25.31	16	33.1	F2 R	16	3138	A	-8 2277
86		8.3A	13 4.911	0.0001	12	-6 58 13.41	0.027	12	0.26	4.909	16	33.1	13.86	16	33.1	K0	16	3139K	A	-6 2531
87		9.0A	13 6.372	-0.0001	11	-3 2 19.64	0.002	11	0.24	6.374	16	33.1	19.68	16	33.1	A2	17	3131	A	-2 2498
88		9.4A	13 6.417	0.0000	12	-8 13 35.83	-0.009	12	0.26	6.416	16	33.1	35.68	16	33.1	A0	16	3140	A	-7 2402
89		8.4A	13 6.639	-0.0014	09	-1 5 36.54	0.000	11	0.22	6.658	17	36.2	36.55	17	36.2	G5	21	2520	A	-0 1947
90		8.3A	13 8.626	-0.0013	13	-5 52 0.31	0.006	13	0.28	8.648	16	33.1	0.41	16	33.1	K0	17	3132	A	-5 2463
91		8.5A	13 9.575	-0.0008	12	-9 18 17.08	-0.008	12	0.26	9.588	16	33.1	16.94	16	33.1	MA	16	3141	A	-9 2445
92		8.8A	13 11.268	-0.0006	13	-4 49 35.85	0.013	13	0.28	11.278	16	33.1	36.06	16	33.1	G5	17	3133	A	-4 2272
93		9.0A	13 17.395	-0.0003	09	-1 3 51.94	-0.010	11	0.22	17.400	17	36.2	51.80	17	36.2	A0	21	2522	A	-0 1948
94		9.1A	13 20.104	-0.0041	12	-7 28 47.85	0.028	12	0.26	20.174	16	33.1	48.32	16	33.1	K5	16	3142	A	-7 2404
95		8.2A	13 21.661	0.0011	12	-7 10 55.39	-0.012	12	0.26	21.642	16	33.1	55.19	16	33.1	K2	16	3143	A	-6 2533
96		9.0A	13 21.686	-0.0011	09	-1 27 58.59	-0.001	11	0.22	21.702	17	36.2	58.58	17	36.2	F0	21	2524	A	-1 1996
97		8.9A	13 31.999	-0.0041	11	-8 54 18.31	-0.021	11	0.24	32.068	16	33.1	17.95	16	33.1	G5	16	3145	A	-8 2281
98		8.4A	13 33.019	-0.0012	13	-5 42 57.26	-0.057	13	0.28	33.038	16	33.1	56.30	16	33.1	A5	17	3134	A	-5 2465
99		8.4A	13 36.223	-0.0032	12	-9 37 19.09	-0.010	12	0.26	36.277	16	33.1	18.91	16	33.1	K0	16	3146	A	-9 2448
00		8.9A	13 38.311	-0.0105	12	-5 5 22.44	0.118	12	0.26	38.488	16	33.1	24.44	16	33.1	G0	17	3135	A	-4 2275

135700

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	EPOCH 1950 μ s	σ_μ ″.001	EPOCH 1950 δ_{1950} ° ′ ″	EPOCH 1950 μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	- 0° 8H DM NUMBER
1		9.0A	8 13 41.639	-0.0016	08	-0 12 18.70	-0.010	11	0.22	41.661	17	36.2	18.57	17	36.2	KS R	21	2525	A 0 2236
2		9.1A	13 42.930	-0.0008	12	-4 22 22.45	-0.018	12	0.28	42.950	16	33.1	22.15	16	33.1	KS F	17	3136	A -4 2278
3		9.1A	13 45.384	-0.0019	12	-5 36 8.43	-0.007	12	0.28	45.396	16	33.1	8.31	16	33.1	KS	17	3137	A -5 2470
4		8.8A	13 47.350	-0.0012	11	-6 49 8.83	0.003	11	0.24	47.359	16	33.1	8.88	16	33.1	KS	16	3147	A -6 2536
5		8.8A	13 47.553	-0.0016	12	-7 48 56.72	0.021	12	0.26	47.579	16	33.1	57.08	16	33.1	GO	16	3148K	A -7 2408
6		8.8B	13 53.432	-0.0004	17	-0 6 34.15	-0.059	08	0.57	53.481	19	10.7	31.40	18	03.1	KO	GC 11257		0 2241
7		8.8A	13 53.811	-0.0001	12	-7 2 5.12	-0.004	12	0.28	53.812	16	33.1	5.02	16	33.1	KS	16	3149	A -6 2537
8		8.8A	13 54.338	-0.0012	13	-2 43 50.61	-0.008	13	0.28	54.354	16	33.1	50.46	16	33.1	KS F	17	3138	A -2 2503
9		7.1T	13 56.171	-0.0007	12	-5 4 15.98	0.029	13	0.70	56.539	17	05.4	17.14	18	07.3	KS	GC 11258K		B* -2 2504
10		8.5A	13 57.018	0.0013	12	-6 48 31.31	-0.045	12	0.28	57.784	16	33.1	30.55	16	33.1	KS	16	3150	A -6 2283
11		8.9A	14 3.220	-0.0008	11	-6 53 21.33	-0.009	11	0.24	3.317	16	33.1	21.17	16	33.1	GO	16	3151	A -6 2285
12		9.1A	14 5.080	-0.0001	12	-7 42 21.03	-0.028	12	0.28	5.091	16	33.1	20.56	16	33.1	GO	16	3152	A -7 2409
13		9.1A	14 13.985	-0.0027	11	-6 41 49.65	0.014	11	0.24	14.041	16	33.1	49.88	16	33.1	KO	16	3153	A -6 2540
14		9.0A	14 17.045	-0.0012	09	-6 23 48.91	-0.003	09	0.22	17.065	16	33.1	48.86	16	33.1	PO	16	3154	A -6 2289
15		7.6B	14 17.739	-0.0027	17	-6 53 54.77	-0.022	16	0.71	17.848	19	08.3	53.84	19	07.9	GS	GC 11267		-6 2290
16		9.1A	14 17.798	0.0004	13	-5 24 3.01	-0.006	13	0.28	17.752	16	33.1	2.91	16	33.1	GS	17	3140	A -5 2473
17		7.0T	14 22.643	-0.0015	15	-6 31 30.77	-0.013	13	0.62	22.703	18	08.3	30.20	18	06.8	AO	GC 11270K		B* -6 2291
18		7.4A	14 28.841	-0.0018	13	-5 15 49.58	0.008	13	0.28	28.872	16	33.1	49.72	16	33.1	KO	17	3141	A -4 2284
19		9.0A	14 30.523	-0.0004	12	-7 48 48.09	-0.053	12	0.28	30.529	16	33.1	47.20	16	33.1	GS	16	3157	A -7 2414
20		9.0A	14 31.543	-0.0017	13	-5 9 6.00	-0.009	13	0.28	31.571	16	33.1	5.85	16	33.1	AO	17	3142	A -4 2285
21		9.2A	14 31.985	-0.0002	12	-6 52 30.48	-0.016	12	0.28	31.997	16	33.1	30.21	16	33.1	AO	16	3158	A -6 2542
22		9.1A	14 32.956	-0.0017	12	-6 4 35.30	-0.004	12	0.28	32.965	16	33.1	35.24	16	33.1	KO	16	3160	A -7 2415
23		8.5A	14 34.401	-0.0019	13	-6 15 21.37	-0.037	13	0.28	34.433	16	33.1	20.75	16	33.1	KO	17	3143	A -5 2474
24		6.6T	14 38.987	-0.0019	12	-3 12 29.02	-0.080	11	0.63	39.087	17	06.0	27.93	17	05.6	BO	GC 11284		-2 2509
25		9.0A	14 39.572	-0.0045	13	-2 41 56.81	0.052	13	0.28	39.647	16	33.1	57.35	16	33.1	GS F	17	3145	A -2 2510
26		8.3A	14 42.684	-0.0038	13	-5 3 39.74	-0.085	13	0.28	42.689	16	33.1	39.32	16	33.1	FO	17	3146	A -2 2511
27		8.8A	14 42.795	-0.0015	13	-7 6 40.68	0.001	13	0.28	42.821	16	33.1	40.70	16	33.1	FO	17	3147	A -3 2286
28		9.1A	14 45.875	-0.0007	12	-5 25 6.40	0.005	12	0.25	45.886	16	33.1	6.49	16	33.1	KO	17	3148	A -5 2476
29		8.5A	14 46.982	0.0005	09	-1 40 58.52	-0.080	11	0.22	46.975	16	33.1	58.24	16	33.1	AO	21	2529	A -1 2001
30		7.5A	14 47.195	-0.0026	13	-5 12 49.69	0.023	13	0.28	47.198	16	33.1	50.08	16	33.1	FO	17	3149K	A -4 2288
31		8.8A	14 51.977	-0.0036	20	-5 29 33.51	-0.032	20	0.37	52.037	16	33.1	32.97	16	33.1	GO	17	3150	A -5 2477
32		8.8A	14 52.530	-0.0008	20	-5 30 3.80	-0.041	20	0.37	52.578	16	33.1	3.11	16	33.1	GO	17	3151	A -5 2477
33		9.1A	14 53.005	-0.0008	12	-6 38 49.90	-0.035	12	0.26	53.017	16	33.1	49.31	16	33.1	KO	16	3162	A -9 2454
34		7.3A	14 58.385	0.0008	13	-2 37 4.40	-0.007	13	0.28	58.516	16	33.1	4.29	16	33.1	KO	17	3152	A -2 2312
35		8.8A	14 59.225	0.0008	12	-6 36 34.19	-0.021	12	0.26	59.239	16	33.1	33.63	16	33.1	KO	16	3163	A -8 2296
36		7.7A	14 99.810	-0.0115	13	-3 49 39.49	-0.448	13	0.28	+ 0.005	16	33.1	31.92	16	33.1	FO	17	3153	A -3 2288
37		8.8A	15 1.104	-0.0037	13	-4 39 20.68	-0.019	13	0.28	1.167	16	33.1	20.53	16	33.1	FO	17	3155	A -4 2291
38		9.0A	15 2.046	-0.0008	13	-2 35 14.46	-0.008	13	0.28	2.081	16	33.1	14.38	16	33.1	FO	17	3154	A -2 2313
39		8.8A	15 8.937	-0.0018	09	-0 15 35.30	-0.027	11	0.22	8.982	17	36.2	34.94	17	36.2	KO R	21	2531	A 0 2249
40		9.1A	15 11.130	-0.0010	11	-5 29 37.33	0.157	11	0.24	11.147	16	33.1	39.99	16	33.1	GO R	17	3157	A -5 2481
41		9.0A	15 11.334	-0.0036	09	-2 13 14.52	0.020	11	0.22	11.383	17	36.2	14.79	17	36.2	KO R	21	2533	A -1 2003
42		9.0A	15 12.163	-0.0017	09	-0 20 59.16	-0.027	11	0.22	12.206	17	36.2	58.80	17	36.2	KO R	21	2532	A -0 1951
43		9.0A	15 13.117	-0.0013	09	-2 6 28.28	0.015	11	0.22	13.135	17	36.2	28.48	17	36.2	KO R	21	2534	A -1 2004
44		9.0A	15 15.915	-0.0001	13	-4 12 44.91	-0.014	13	0.28	15.918	16	33.1	44.68	16	33.1	KO	17	3158	A -3 2290
45		7.6B	15 20.240	-0.0050	12	-1 36 41.18	-0.235	13	0.71	20.510	14	95.5	28.52	14	96.1	GS	GC 11308		-1 2005
46		8.3A	15 25.612	-0.0002	13	-6 15 24.50	-0.012	13	0.28	25.649	16	33.1	24.30	16	33.1	KO	17	3159	A -5 2482
47		9.3A	15 32.332	-0.0010	12	-7 3 5.18	-0.007	12	0.28	32.348	16	33.1	5.06	16	33.1	KO	16	3165	A -6 2345
48		8.5A	15 32.334	-0.0153	13	-3 51 43.47	-0.042	13	0.28	32.994	16	33.1	42.76	16	33.1	KO	17	3160	A -3 2291
49		9.0A	15 41.761	-0.0021	13	-2 53 48.91	-0.084	13	0.28	41.796	16	33.1	48.51	16	33.1	AO	17	3161	A -2 2515
50		7.7A	15 56.756	-0.0015	12	-9 38 9.39	-0.009	12	0.26	56.780	16	33.1	9.23	16	33.1	KO	16	3169	A -9 2463
51		9.1A	8 15 56.985	0.0010	12	-7 49 57.13	-0.101	12	0.26	56.948	16	33.1	55.42	16	33.1	GO	16	3167	A -7 2422
52		7.5T	15 58.352	-0.0044	14	-7 24 50.98	0.036	13	0.72	58.421	15	98.7	52.85	17	98.1	GO	GC 11323		-7 2423
53		9.0A	16 4.298	-0.0015	09	-1 16 42.04	0.008	11	0.22	4.319	17	36.2	42.16	17	36.2	KO R	21	2539	A -0 1956
54		8.8A	16 9.521	-0.0014	13	-5 0 24.56	-0.009	13	0.28	9.545	16	33.1	24.41	16	33.1	KO	17	3162	A -4 2293
55		8.8A	16 12.916	-0.0035	13	-7 44 11.97	-0.004	13	0.28	12.974	16	33.1	11.91	16	33.1	FO	16	3171	A -7 2426
56		9.0A	16 13.313	-0.0011	13	-5 14 0.34	0.013	13	0.28	13.331	16	33.1	0.56	16	33.1	KO	17	3163	A -4 2294
57		9.0A	16 15.015	-0.0022	14	-1 43 59.61	-0.010	20	0.29	15.045	17	36.2	59.67	17	36.2	KO R	21	2540	A* -1 2007
58		8.7A	16 15.925	-0.0006	13	-6 1 27.99	-0.009	13	0.28	15.936	16	33.1	27.84	16	33.1	GS	17	3164	A -5 2486
59		9.0A	16 16.461	-0.0008	09	-0 49 55.37	-0.013	11	0.22	16.469	17	36.2	55.20	17	36.2	A2 R	21	2541	A -0 1957
60		9.3A	16 17.505	0.0020	12	-8 41 44.26	-0.018	12	0.26	17.471	16	33.1	43.95	16	33.1	GS	16	3172	A -8 2302
61		8.2A	16 18.558	-0.0025	13	-3 55 37.74	-0.013	13	0.28	18.597	16	33.1	37.52	16	33.1	FO	17	3165	A -3 2295
62		8.6A	16 19.874	-0.0034	13	-3 9 50.85	-0.002	13	0.28	19.931	16	33.1	50.82	16	33.1	FO	17	3166	A -2 2522
63		9.0A	16 25.908	-0.0022	13	-2 43 51.50	-0.013	13	0.28	25.942	16	33.1	51.28	16	33.1	FO F	17	3167	A -2 2525
64		8.9A	16 27.021	-0.0030	12	-9 50 24.54	0.004	12	0.26	27.071	16	33.1	24.60	16	33.1	FO	16	3173	A -9 2466
65		9.3A	16 31.138	-0.0031	12	-9 35 20.09	-0.005	12	0.26	31.191	16	33.1	20.00	16	33.1	GO R	16	3174	A -9 2467
66		8.9A	16 33.298	-0.0022	12	-7 28 19.36	-0.016	12	0.26	33.335	16	33.1	19.11	16	33.1	GS	16	3175	A -7 2430
67		8.9A	16 34.316	-0.0008	12	-8 32 8.04	-0.013	12	0.26	34.329	16	33.1	5.82	16	33.1	KO	16	3176	A -6 2554
68		9.0A	16 35.584	-0.0008	09	-1 35 21.38	-0.008	11	0.22	35.532	17	36.2	21.27	17	36.2	KO R	21	2542	A -1 2009
69		8.3A	16 38.831	0.0001	12	-7 20 42.29	0.032	12	0.26	38.829	16	33.1	42.82	16	33.1	KO	16	3177	A -7 2431
70		8.5A	16 46.684	-0.0002	13	-4 22 22.80	-0.017	13	0.28	46.688	16	33.1	22.51	16	33.1	KS	17	3168	A -4 2299
71		7.1A	16 46.688	-0.0002	13	-5 27 44.27	0.049	13	0.28	46.699	16	33.1	45.10	16	33.1	GO	17	3169	A -5 2489
72		7.2A	16 47.887	-0.0005	12	-7 24 2.04	0.006	12	0.26	47.905	16	33.1	2.15	16	33.1	KS	16	3178	A -7 2433
73		8.8A	16 52.788	-0.0016	13	-2 31 51.62	-0.004	13	0.28	52.823	16	33.1	51.56	16	33.1	K1 F	17	3170	A -2 2527
74		9.0A	16 55.449	0.0005	09	-0 35 9.40	-0.015	11	0.22	55.444	17	36.2	9.20	17	36.2	KO R	21	2543	A -0 1960
75		8.4A	16 59.580	0.0004	12	-9 38 3.98	-0.025	12	0.26	59.582	16	33.1	3.55	16	33.1	AO	16	3180	A -9 2472
76		8.0A	17 2.588	0.0002	09	-0 37 51.77	-0.089	11	0.22	2.592	17	36.2	51.38	17	36.2	KO	21	2544	A -0 1962
77		8.8A	17 5.085	-0.0012	12	-8 22 58.79	0.005	11	0.25	5.046	16	33.1	58.87	16	33.1	KO	16	3181	A -8 2305
78		8.4A	17 9.679	-0.0001	12	-7 11 5.32	-0.023	12	0.26	9.680	16	33.1	4.93	16	33.1	KO	16	3182	A -6 2556
79		8.0A	17 11.505	-0.0040	13	-3 58 53.73	-0.091	13	0.28	11.574	16	33.1	52.20	16	33.1	FO	17	3171	A -3 2301
80		8.4A	17 23.149	-0.0042	09	-1 5 28.53	0.001	11	0.22	23.207	17	36.2	28.55	17	36.2	K2	21	2547	A -0 1964
81		9.0A	17 25.943	0.0000	13	-3 36 53.88	-0.016	13	0.28	25.943	16	33.1	53.61	16	33.1	KS	17	3172	A -3 2306
82		8.2A	17 32.334	-0.0017	13	-2 37 35.45	-0.030	13	0.28	32.363	16	33.1	34.94	16	33.1	K2	17	3173	A -2 2529
83		6.3T	17 39.984	0.0035	09	-1 44 58.51	-0.088	10	0.57	39.794	15	92.1	53.14	17	94.0	GO	GC 11365		-0 1966
84		9.0A	17 45.977	-0.0011	09	-1 23 39.38	-0.029	11	0.22	45.993	17	36.2	38.99	17	36.2	A3	21	2549	A -1 2017
85		8.9A	17 46.050	-0.0014	12	-8 34 28.88	-0.040	12	0.26	46.074	16	33.1	28.20	16	33.1	FO	16	3184	A -8 2311
86		9.1A	17 48.016	0.0006	12	-7 23 12.41	-0.009	12	0.26	48.008	16	33.1	12.26	16	33.1	FO	16	3185	A -7 2436
87		6.2T	17 48.311	0.0013	12	-5 10 12.44	-0.030	13	0.72	48.235	17	93.6	10.79	18	94.5	K2	GC 11368		-4 2303
88		8.7A	17 52.324	-0.0030	13	-2 28 27.64	0.001	13	0.28	52.375	16	33.1	27.66	16	33.1	FO	17	3175	A -2 2531
89		9.0A	18 0.742	-0.0008	13	-4 25 14.80	-0.004	13	0.28	0.756	16	33.1	14.73	16	33.1	FO	17	3176	A -4 2304
90		7.2A	18 2.060	-0.0009	13	-6 28 5.48	-0.012	13	0.28	2.089	16	33.1	5.26	16	33.1	K2	17	3177	A -6 2560
91		9.2A	18 4.241	-0.0011	12	-9 31 46.70	-0.020	12	0.26	4.259	16	33.1	46.36	16	33.1	KO	16	3188	A -9 2478
92		8.0A	18 7.130	-0.0013	13	-6 20 37.35	-0.015	13	0.28	7.180	16	33.1	37.10	16	33.1	K2	17	3179	A -6 2561
93		8.3A	18 7.575	-0.0028	13	-4 39 44.35	-0.001	13	0.28	7.619	16	33.1	44.34	16	33.1	GO	17	3178	A -4 2305
94		8.3A	18 11.654	-0.0033	13	-5 0 21.60	-0.014	13	0.28	11.708	16	33.1	21.37	16	33.1	A2	17	3180K	A -4 2306
95		8.9A	18 14.999	-0.0002	12	-7 8 46.61	-0.008	12	0.26	14.982	16	33.1	46.48	16	33.1	FO	16	3189	A -6 2563
96		7.8A	18 23.648	0.0000	13	-4 42 25.43	-0.017	13	0.28	23.648	16	33.1	25.15	16	33.1	A3	17	3182	A -4 2309
97		9.5A	18 24.125	-0.0020	13	-2 12 56.81	-0.044	13	0.28	24.160	16	33.1	56.07	16	33.1	G3 F	17	3181	A -1 2015
98		8.8A	18 30.754	0.0000	11	-6 4 37.57	-0.031	11	0.24	30.753	16	33.1	37.05	16	33.1	K2	17	3183	A -5 2502
99		8.4A	18 35.182	0.0001	13	-4 15 11.58	-0.014	13	0.28	35.180	16	33.1	11.35	16	33.1	KO	17	3184	A -3 2314
00		9.0A	18 38.089	-0.0025	13	-4 7 20.53	0.029	13	0.28	38.138	16	33.1	21.01	16	33.1	KS	17	3185	A -3 2315

135800

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	EPOCH 1950 μ s	σ_μ ″.001	EPOCH 1950 δ_{1950} ° ′ ″	EPOCH 1950 μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	DM NUMBER
1		7.7A	8 18 38.814	-0.0009	12	-8 43 26.55	-0.003	12	0.26	38.829	16	33.1	26.50	16	33.1	K0	16	3190	A -8 2315
2		9.0A	18 43.617	-0.0017	13	-3 15 37.77	0.013	13	0.28	43.646	16	33.1	37.99	16	33.1	F8P F	17	3186	A -2 2535
3		8.7A	18 45.200	-0.0003	13	-4 24 22.38	-0.025	13	0.28	45.205	16	33.1	21.96	16	33.1	F0	17	3187	A -4 2310
4		6.4T	18 47.972	-0.0014	07	-1 26 31.33	-0.044	04	0.34	48.051	14	95.6	28.63	10	88.2	A0	GC	11387K	B* -1 2017
5		8.9A	18 49.024	-0.0012	12	-7 36 43.63	-0.004	12	0.26	49.045	16	33.1	43.57	16	33.1	K0	16	3191	A -7 2443
6		7.3T	18 49.623	0.0007	14	-7 53 54.90	-0.025	15	0.79	49.583	17	96.9	53.58	18	97.4	K0	GC	11388	B* -7 2444
7		8.9A	19 0.416	0.0007	13	-5 21 2.93	-0.018	13	0.28	0.404	16	33.1	2.63	16	33.1	K0	17	3188	A -5 2504
8		9.1A	19 3.196	-0.0012	09	-2 40 15.47	-0.017	09	0.22	3.216	16	33.1	15.19	16	33.1	F5 F	17	3189	A -2 2538
9		9.0A	19 3.775	0.0002	09	-1 49 41.02	-0.002	11	0.22	3.772	17	36.2	40.99	17	36.2	K2 R	21	2551	A -1 2018
10		9.0A	19 4.243	-0.0014	11	-9 41 10.83	-0.020	11	0.24	4.266	16	33.1	10.48	16	33.1	G5	16	3193	A -9 2484
11		8.1A	19 6.655	-0.0005	12	-8 1 54.77	0.006	12	0.26	6.663	16	33.1	54.88	16	33.1	K0	16	3194	A -7 2446
12		8.9A	19 7.649	-0.0015	13	-2 58 53.68	-0.005	13	0.28	7.675	16	33.1	53.60	16	33.1	K0 F	17	3190	A -2 2539
13		9.0A	19 9.430	-0.0025	13	-4 17 20.33	0.048	13	0.28	9.473	16	33.1	21.14	16	33.1	F8	17	3191	A -3 2317
14		7.0T	19 9.482	-0.0024	20	-8 30 36.98	0.021	20	0.94	9.591	24	04.2	37.95	22	03.2	A2	GC	11394	-8 2319
15		9.0A	19 11.378	0.0005	13	-6 15 14.63	-0.020	13	0.28	11.369	16	33.1	14.30	16	33.1	K0	17	3192	A -5 2506
16		9.4A	19 19.510	-0.0029	17	-2 59 20.03	-0.008	17	0.32	19.559	16	33.1	19.90	16	33.1	F2 F	17	3193	A -2 2541
17		9.1A	19 19.589	0.0007	09	-1 29 10.05	-0.069	11	0.22	19.580	17	36.2	9.10	17	36.2	F8 R	21	2552	A -1 2021
18		9.0A	19 20.739	-0.0022	09	-1 46 17.34	-0.033	11	0.22	20.769	17	36.2	16.88	17	36.2	F8 R	21	2553	A -1 2020
19		9.0A	19 21.002	-0.0037	12	-8 15 5.56	-0.022	12	0.26	21.065	16	33.1	5.19	16	33.1	F8	16	3197K	A -7 2448
20		8.8Q	19 21.454	-0.0012	10	-2 46 7.64	0.001	06	0.42	21.510	17	05.2	7.70	17	98.0	A2	GC	11399	-2 2542
21		7.9A	19 22.734	-0.0007	12	-9 48 18.86	-0.009	12	0.26	22.746	16	33.1	18.70	16	33.1	K2	16	3198	A -9 2485
22		9.4A	19 25.025	-0.0004	11	-9 28 57.68	-0.005	11	0.24	25.032	16	33.1	57.59	16	33.1	G0 R	16	3199	A -9 2486
23		9.0A	19 30.799	0.0003	13	-4 0 37.68	-0.105	13	0.28	30.794	16	33.1	35.91	16	33.1	G0 F	17	3195	A -3 2318
24		9.0A	19 37.885	-0.0004	13	-4 56 12.56	-0.030	13	0.28	37.892	16	33.1	12.05	16	33.1	K0	17	3196	A -4 2315
25		9.0A	19 40.185	-0.0031	09	-0 25 31.64	-0.041	11	0.22	40.227	17	36.2	31.08	17	36.2	F5	21	2555	A -0 1973
26		9.0A	19 49.922	-0.0008	09	-0 45 54.37	-0.010	11	0.22	49.933	17	36.2	54.24	17	36.2	A2	21	2556	A -0 1974
27		8.4A	19 50.664	-0.0005	12	-8 57 44.77	-0.007	12	0.26	50.672	16	33.1	44.64	16	33.1	A0	16	3201	A -8 2323
28		9.0A	19 51.205	-0.0014	09	-0 1 6.61	-0.017	11	0.22	51.224	17	36.2	6.39	17	36.2	M0 R	21	2557	A -0 2277
29		9.5A	19 58.564	0.0008	09	-2 15 22.33	0.014	09	0.22	58.551	16	33.1	22.57	16	33.1	K0 F	17	3197	A -1 2025
30		9.0A	19 59.698	-0.0015	09	-1 45 54.39	-0.017	11	0.22	59.718	17	36.2	54.15	17	36.2	F2 R	21	2560	A -1 2024
31		8.0A	20 0.575	-0.0019	09	-0 22 32.83	-0.012	11	0.22	0.601	17	36.2	32.67	17	36.2	A0	21	2559	A -0 1976
32		6.1T	20 2.480	-0.0038	11	-6 1 5.46	-0.000	08	0.54	2.691	17	94.0	5.46	15	04.2	A3	GC	11425	-5 2512
33		8.8A	20 10.773	-0.0009	12	-9 50 13.46	-0.037	12	0.26	10.788	16	33.1	12.83	16	33.1	G5	16	3203	A -9 2492
34		8.7A	20 11.566	0.0008	12	-9 20 48.60	-0.034	12	0.26	11.553	16	33.1	48.02	16	33.1	K5	16	3204	A -9 2493
35		7.8A	20 14.515	-0.0027	09	-0 42 23.29	-0.026	11	0.22	14.552	17	36.2	22.93	17	36.3	K0	21	2561	A -0 1977
36		7.9A	20 21.724	-0.0013	11	-6 31 59.32	0.012	11	0.24	21.746	16	33.1	59.52	16	33.1	A0	16	3205	A -6 2571
37		8.2Q	20 24.295	-0.0006	08	-2 47 48.89	-0.037	05	0.38	24.328	15	98.9	46.76	15	92.5	K0	GC	11434	-2 2546
38		8.0A	20 26.944	-0.0014	13	-4 4 53.57	-0.027	13	0.28	26.968	16	33.1	53.12	16	33.1	A2	17	3200	A -3 2324
39		8.7A	20 27.253	0.0002	12	-8 24 46.94	-0.016	12	0.26	27.249	16	33.1	46.67	16	33.1	A0	16	3207	A -8 2328
40		6.1T	20 27.458	-0.0019	12	-7 22 55.05	-0.002	12	0.62	27.552	15	99.1	54.95	17	98.6	M0	GC	11437	-7 2452
41		9.0A	20 28.607	0.0006	12	-9 14 15.18	-0.014	12	0.26	28.596	16	33.1	14.94	16	33.1	K2	16	3208	A -8 2331
42		8.8A	20 29.411	-0.0010	11	-3 45 35.44	0.013	11	0.24	29.429	16	33.1	35.66	16	33.1	A2	17	3201	A -3 2326
43		9.1A	20 30.668	-0.0008	09	-8 18 39.57	-0.017	09	0.22	30.681	16	33.1	39.29	16	33.1	A5	16	3209	A -8 2332
44		9.1A	20 31.011	-0.0011	12	-9 4 48.06	-0.047	12	0.26	31.029	16	33.1	47.26	16	33.1	K5 R	16	3210	A -8 2333
45		9.0A	20 32.405	-0.0057	13	-4 24 29.60	-0.014	13	0.28	32.501	16	33.1	29.37	16	33.1	G8 F	17	3202	A -4 2318
46		8.6A	20 32.918	-0.0000	12	-7 33 41.88	0.021	12	0.26	32.918	16	33.1	42.24	16	33.1	A5	16	3211	A -7 2454
47		9.1A	20 33.020	-0.0017	09	-0 36 9.02	-0.048	11	0.22	33.043	17	36.3	8.37	17	36.3	F8	21	2563	A -0 1979
48		8.9A	20 44.318	-0.0002	11	-7 1 50.02	-0.011	11	0.24	44.320	16	33.1	49.84	16	33.1	A3	16	3212	A -6 2573
49		8.9A	20 57.752	-0.0073	11	-4 59 30.33	-0.028	13	0.26	57.876	16	33.1	29.85	16	33.1	K0 F	17	3203	A -4 2320
50		9.1A	20 59.567	0.0004	12	-6 42 25.46	-0.014	12	0.26	59.560	16	33.1	25.23	16	33.1	K2 R	16	3213	A -6 2574
51		8.4A	8 21 0.558	-0.0001	13	-4 15 42.02	0.013	13	0.28	0.561	16	33.1	42.24	16	33.1	K0	17	3204	A -3 2327
52		9.2A	21 0.713	0.0010	09	-1 56 56.46	-0.020	11	0.22	0.699	17	36.3	56.18	17	36.3	F5 R	21	2565	A -1 2026
53		8.8A	21 3.190	-0.0022	13	-3 2 10.66	-0.008	13	0.27	3.225	16	33.3	10.53	16	33.3	G5 R	17	3205	A -2 2553
54		9.0A	21 4.835	-0.0006	12	-8 4 2.39	-0.023	12	0.26	4.844	16	33.1	2.00	16	33.1	F0	16	3214	A -7 2457
55		9.0A	21 5.966	-0.0010	12	-7 25 37.52	0.023	12	0.26	5.983	16	33.1	37.91	16	33.1	K0 R	16	3215	A -7 2458
56		8.2A	21 7.497	0.0005	12	-6 41 37.17	-0.091	12	0.26	7.488	16	33.1	35.63	16	33.1	K0	16	3216	A -6 2576
57		8.6A	21 13.106	-0.0030	12	-6 46 18.69	-0.013	12	0.26	13.156	16	33.1	18.47	16	33.1	G0	16	3217	A -6 2577
58		9.2A	21 14.578	-0.0012	11	-9 18 26.30	-0.012	11	0.24	14.598	16	33.1	26.09	16	33.1	A0	16	3218K	A -9 2497
59		8.2A	21 15.184	-0.0004	12	-9 48 12.41	-0.002	12	0.26	15.190	16	33.1	12.37	16	33.1	K0	16	3219	A -9 2498
60		9.0A	21 22.246	-0.0006	12	-8 47 39.59	-0.016	12	0.26	22.256	16	33.1	39.31	16	33.1	A2	16	3220	A -8 2338
61		6.8T	21 23.844	-0.0012	11	-1 20 7.33	-0.019	10	0.55	23.905	14	00.8	6.37	15	98.8	G5	GC	11459	-1 2028
62		8.9A	21 23.899	-0.0004	12	-8 18 23.18	-0.009	12	0.26	23.906	16	33.1	23.03	16	33.1	A3	16	3221	A -8 2339
63		8.5A	21 26.671	-0.0020	13	-6 9 24.46	0.095	13	0.28	26.705	16	33.1	26.07	16	33.1	G5	17	3207	A -5 2518
64		8.2A	21 29.085	-0.0020	11	-2 47 39.82	-0.011	11	0.24	29.119	16	33.1	39.64	16	33.1	A0	17	3206	A -2 2557
65		8.3A	21 31.359	-0.0004	11	-7 6 6.68	-0.012	12	0.25	31.366	16	33.1	6.47	16	33.1	A0	16	3223	A -6 2579
66		8.8A	21 33.071	-0.0018	13	-4 36 55.60	-0.021	13	0.28	33.102	16	33.1	55.24	16	33.1	K5 F	17	3208	A -4 2324
67		8.0A	21 35.757	0.0003	12	-8 40 26.62	-0.020	12	0.26	35.752	16	33.1	26.28	16	33.1	A3	16	3224	A -8 2341
68		9.4A	21 37.675	-0.0004	12	-9 23 2.76	-0.008	12	0.26	37.682	16	33.1	2.62	16	33.1		16	3225	A -9 2500
69		8.7A	21 38.455	-0.0021	12	-9 27 59.33	-0.003	12	0.26	38.489	16	33.1	59.28	16	33.1	K0	16	3226	A -9 2501
70		8.7A	21 41.325	0.0000	12	-8 14 28.20	-0.004	12	0.26	41.324	16	33.1	28.14	16	33.1	A0	16	3227	A -7 2463
71		7.8A	21 43.307	-0.0004	13	-5 30 59.85	-0.007	12	0.27	43.313	16	33.1	59.73	16	33.1	K5	17	3209	A -5 2519
72		8.9A	21 48.403	-0.0054	09	-2 15 33.94	-0.055	11	0.22	48.476	17	36.3	33.19	17	36.3	G5	21	2569	A -1 2030
73		8.7A	21 50.047	-0.0015	13	-2 58 50.92	-0.004	13	0.28	50.073	16	33.1	50.85	16	33.1	K0	17	3211	A -2 2559
74		6.8T	22 0.277	0.0058	09	-0 58 59.98	-0.211	09	0.45	-59.992	12	00.5	49.87	12	02.0	G0	GC	11478	-0 1987
75		9.0A	22 2.152	-0.0016	12	-8 11 2.74	-0.029	12	0.26	2.179	16	33.1	2.25	16	33.1	G0 R	16	3228	A -7 2465
76		7.5A	22 2.251	-0.0021	12	-8 21 27.36	0.016	12	0.26	2.286	16	33.1	27.64	16	33.1	M8	16	3229	A -8 2343
77		5.7T	22 5.455	-0.0143	03	-3 35 16.27	-0.028	02	0.16	6.201	07	97.7	14.76	07	96.3	F5	GC	11479	B* -3 2333
78		8.7A	22 5.690	-0.0006	12	-8 10 8.05	-0.002	12	0.26	5.699	16	33.1	8.02	16	33.1	A5	16	3230	A -7 2466
79		9.0A	22 6.453	-0.0013	09	-2 8 45.79	-0.015	11	0.22	6.471	17	36.3	45.59	17	36.3	K2 R	21	2572	A -1 2031
80		9.0A	22 6.609	-0.0024	09	-1 45 58.51	-0.012	11	0.22	6.642	17	36.3	58.34	17	36.3	G0 R	21	2571	A -1 2032
81		8.8A	22 6.992	-0.0009	12	-9 51 57.27	0.002	12	0.26	7.007	16	33.1	57.30	16	33.1	A0	16	3232	A -9 2504
82		6.0T	22 6.993	0.0012	08	-4 33 11.59	-0.054	07	0.42	6.921	18	91.8	9.19	15	05.7	F2	GC	11480	-4 2328
83		8.2A	22 11.828	0.0000	12	-8 45 54.88	-0.001	12	0.26	11.827	16	33.1	54.86	16	33.1	A2	16	3233	A -8 2345
84		8.9A	22 20.924	0.0001	13	-4 43 24.03	0.006	13	0.28	20.922	16	33.1	24.12	16	33.1	K2 F	17	3217	A -4 2329
85		8.8A	22 21.409	-0.0017	11	-3 14 55.89	0.003	11	0.24	21.437	16	33.1	55.94	16	33.1	F8	17	3216	A -2 2561
86		9.0A	22 22.809	-0.0025	12	-6 9 58.64	0.001	12	0.26	22.850	16	33.1	58.66	16	33.1	K5	17	3218	A -5 2520
87		9.0A	22 24.749	-0.0005	09	-0 29 52.57	-0.034	11	0.22	24.756	17	36.3	52.11	17	36.3	K0 R	21	2574	A -0 1989
88		9.0A	22 36.396	0.0001	09	-1 56 28.33	0.000	11	0.22	36.395	17	36.3	28.33	17	36.3	A0	21	2575	A -1 2035
89		8.5A	22 41.679	-0.0024	13	-5 27 34.22	-0.044	13	0.28	41.719	16	33.1	33.48	16	33.1	K2	17	3219	A -5 2522
90		7.6A	22 44.796	-0.0002	12	-9 37 19.86	-0.020	12	0.26	44.798	16	33.1	19.52	16	33.1	B8	16	3236	A -9 2508
91		9.4A	22 45.409	-0.0000	12	-6 33 28.63	-0.018	12	0.26	45.409	16	33.1	28.33	16	33.1	M0 R	16	3235	A -6 2584
92		8.9A	22 45.547	-0.0010	13	-3 40 12.75	-0.009	13	0.28	45.565	16	33.1	12.60	16	33.1	A2	17	3220	A -3 2337
93		7.8A	22 47.503	-0.0071	12	-7 0 23.42	-0.029	12	0.26	47.624	16	33.1	22.92	16	33.1	G5	16	3237	A -6 2585
94		8.6A	23 0.631	-0.0039	13	-2 57 16.86	-0.005	13	0.28	0.696	16	33.1	16.78	16	33.1	F5	17	3221	A -2 2565
95		8.6A	23 7.941	0.0003	13	-5 19 9.54	-0.028	13	0.28	7.936	16	33.1	9.07	16	33.1	A0	17	3222	A -5 2523
96		4.0H	23 9.718	-0.0047	01	-3 44 31.46	-0.027	01	0.04	9.875	02	16.3	30.52	02	14.6	A0	F4	316	-3 2339
97		7.6T	23 12.120	-0.0033	12	-8 47 32.00	-0.012	13	0.69	12.293	19	97.0	31.36	18	97.8	K0	GC	11502	-8 2352
98		7.5A	23 12.573	-0.0007	09	-0 14 48.79	-0.083	11	0.22	12.583	17	36.3	47.66	17	36.3	K0	21	2577	A 0 2294
99		9.1A	23 13.665	-0.0009	12	-9 35 0.98	0.005	12	0.26	15.680	16	33.1	1.06	16	33.1	F5 R	16	3240	A -9 2513
00		8.3A	23 17.882	-0.0009	13	-3 19 28.84	-0.025	13	0.28	17.897	16	33.1	28.42	16	33.1	F0	17	3224	A -3 2340

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NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ s	σ_μ .001"	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ .001"	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ .01"	ep.	δ_2 ″	σ' .01"	ep.	SP.	SOURCE CAT.	STAR NUMBER	DM	NUMBER
1		7.5A	8 23 18.712	-0.0011	13	-4 0 48.61	0.010	13	0.28	18.731	16	33.1	48.78	16	33.1	K5	17	3225	A	-3 2341
2		8.8A	23 19.060	0.0000	12	-8 5 30.11	-0.002	12	0.26	19.059	16	33.1	30.08	16	33.1	F0	16	3241	A	-7 2479
3		9.0A	23 20.209	-0.0003	12	-2 49 7.76	0.008	12	0.26	20.213	16	33.1	7.90	16	33.1	K0 F	17	3226	A	-2 2566
4		8.6A	23 24.428	-0.0017	12	-9 34 7.27	-0.027	12	0.26	24.456	16	33.1	6.81	16	33.1	K5 R	16	3243	A	-9 2515
5		9.0A	23 27.653	-0.0043	09	-1 5 26.34	-0.016	11	0.22	27.712	17	36.3	26.12	17	36.3	F5	21	2578	A	-0 1990
6		8.8A	23 30.481	-0.0007	13	-4 43 41.89	-0.024	13	0.28	30.493	16	33.1	41.48	16	33.1	K5 F	17	3227	A	-4 2334
7		8.8A	23 35.882	-0.0001	13	-5 21 57.95	-0.031	13	0.28	35.883	16	33.1	57.43	16	33.1	K0	17	3228	A	-5 2525
8		6.9T	23 40.582	-0.0050	12	-8 21 1.56	-0.017	11	0.61	40.830	18	99.9	0.66	15	97.3	F0	GC	11515		-8 2355
9		9.1A	23 43.211	0.0075	12	-5 35 5.27	-0.148	12	0.26	43.085	16	33.1	2.77	16	33.1	G5	17	3229	A	-5 2526
10		8.7A	23 45.140	-0.0023	12	-9 2 23.67	0.010	12	0.26	45.178	16	33.1	23.83	16	33.1	F2	16	3248	A	-8 2356
11		8.6A	23 49.934	-0.0011	13	-5 41 57.51	-0.011	13	0.28	49.952	16	33.1	57.33	16	33.1	A0	17	3230	A	-5 2527
12		8.5A	23 51.846	0.0004	11	-4 31 57.75	-0.027	11	0.24	51.840	16	33.1	57.29	16	33.1	K2	17	3231	A	-4 2337
13		8.3A	23 51.906	-0.0002	12	-7 49 32.17	-0.025	12	0.26	51.909	16	33.1	31.75	16	33.1	A5	16	3249	A	-7 2482
14		9.1A	23 52.233	-0.0001	12	-9 19 18.64	0.014	12	0.26	52.235	16	33.1	18.87	16	33.1	F	16	3251	A	-9 2518
15		8.5A	23 55.126	-0.0000	13	-6 18 30.15	-0.018	13	0.28	55.126	16	33.1	29.85	16	33.1	K5	17	3233	A	-6 2591
16		5.4T	23 57.287	-0.0038	03	-3 49 18.50	-0.064	03	0.15	57.436	06	10.3	15.82	06	08.1	A5	GC	11523	B*	-3 2345
17		8.2A	23 57.658	0.0021	11	-2 34 22.43	-0.042	11	0.24	57.622	16	33.1	21.72	16	33.1	K0	17	3232	A	-2 2572
18		9.0A	23 58.610	0.0008	09	-1 15 10.17	-0.008	11	0.22	58.599	17	36.3	10.07	17	36.3	F5	21	2581	A	-0 1991
19		8.6A	24 3.111	-0.0010	09	-0 31 49.83	-0.010	11	0.22	3.125	17	36.3	49.70	17	36.3	G0	21	2582	A	-0 1992
20		8.3A	24 5.262	0.0004	12	-7 55 34.16	-0.018	12	0.26	5.254	16	33.1	33.85	16	33.1	F8	16	3252	A	-7 2484
21		8.0A	24 19.322	-0.0014	09	-1 3 1.53	-0.007	11	0.22	19.341	17	36.3	1.43	17	36.3	K0	21	2583	A	-0 1993
22		9.0A	24 20.546	-0.0022	09	-1 45 10.64	0.010	11	0.22	20.575	17	36.3	10.77	17	36.3	K0 R	21	2584	A	-1 2038
23		8.4A	24 24.539	0.0000	12	-8 18 1.52	-0.019	12	0.26	24.538	16	33.1	1.19	16	33.1	A2	16	3253	A	-7 2485
24		9.0A	24 25.748	-0.0029	13	-4 28 46.39	0.001	13	0.28	25.798	16	33.1	46.41	16	33.1	A0	17	3235	A	-4 2341
25		7.8A	24 26.834	-0.0004	13	-6 2 16.33	-0.012	13	0.28	26.840	16	33.1	16.13	16	33.1	K2	17	3236	A	-5 2529
26		9.0A	24 30.518	0.0005	13	-4 3 9.28	0.004	13	0.28	30.509	16	33.1	9.35	16	33.1	A0	17	3237	A	-3 2350
27		8.6A	24 37.034	-0.0015	12	-9 14 32.94	-0.008	12	0.26	37.058	16	33.1	32.80	16	33.1	K5	16	3254	A	-8 2362
28		9.5A	24 40.571	-0.0017	13	-4 20 54.75	-0.014	13	0.27	40.599	16	33.3	54.52	16	33.3	K2 R	17	3238	A	-4 2342
29		9.0A	24 43.188	-0.0014	11	-3 16 32.16	-0.005	11	0.24	43.210	16	33.1	32.08	16	33.1	F5 F	17	3239	A	-2 2576
30		8.3A	24 45.160	-0.0009	13	-3 21 35.45	0.021	13	0.28	45.175	16	33.1	35.81	16	33.1	A0	17	3240	A	-3 2353
31		6.5T	24 49.589	-0.0030	12	-6 14 36.77	-0.034	11	0.59	49.740	15	98.9	35.01	15	98.5	F5	GC	11553		-5 2530
32		9.0A	24 54.293	-0.0017	09	-2 16 33.56	-0.008	11	0.22	54.316	17	36.3	33.45	17	36.3	K5 R	21	2586	A	-1 2044
33		8.8A	24 57.809	-0.0072	13	-2 52 31.76	-0.047	13	0.28	57.930	16	33.1	30.97	16	33.1	G0	17	3242	A	-2 2577
34		9.2A	25 1.319	-0.0006	13	-6 23 38.59	-0.019	13	0.28	1.330	16	33.1	38.27	16	33.1	G5	17	3243	A	-6 2596
35		7.5A	25 6.571	-0.0086	13	-4 58 53.55	-0.090	13	0.28	6.716	16	33.1	52.02	16	33.1	G0	17	3244	A	-4 2347
36		9.1A	25 10.073	0.0004	12	-8 22 55.33	-0.011	12	0.26	10.066	16	33.1	55.15	16	33.1	A	16	3257	A	-8 2366
37		8.7A	25 10.880	-0.0019	09	-2 17 18.30	-0.010	11	0.22	10.906	17	36.3	18.16	17	36.3	K5	21	2589	A	-1 2046
38		6.7T	25 11.099	0.0020	11	-4 14 53.98	-0.048	12	0.59	10.996	15	99.7	51.59	17	00.2	F0	GC	11566K	B*	-3 2356
39		8.8A	25 14.201	-0.0007	12	-8 28 22.50	-0.029	12	0.26	14.213	16	33.1	22.01	16	33.1	A5	16	3258	A	-8 2367
40		8.9A	25 15.745	-0.0069	09	-1 13 36.86	-0.065	11	0.22	15.839	17	36.3	37.97	17	36.3	F8	21	2590	A	-0 1996
41		7.8A	25 19.063	0.0013	12	-7 3 15.06	0.009	12	0.26	19.041	16	33.1	15.21	16	33.1	K5	16	3259	A	-6 2599
42		9.0A	25 20.061	-0.0018	12	-8 59 59.59	-0.018	12	0.26	20.082	16	33.1	59.28	16	33.1	F2	16	3260	A	-8 2369
43		8.8A	25 21.473	0.0003	13	-4 24 29.22	0.001	13	0.28	21.468	16	33.1	29.24	16	33.1	K5	17	3247	A	-4 2350
44		8.6A	25 24.099	0.0002	12	-7 55 9.56	-0.006	12	0.26	24.095	16	33.1	9.46	16	33.1	K5	16	3261	A	-7 2491
45		9.0A	25 25.018	0.0001	12	-7 6 52.03	0.014	12	0.26	25.016	16	33.1	52.26	16	33.1	A5	16	3262	A	-6 2601
46		9.0A	25 27.226	-0.0005	13	-5 52 0.47	-0.020	13	0.28	27.234	16	33.1	0.13	16	33.1	K0	17	3248	A	-5 2535
47		9.0A	25 31.819	-0.0024	17	-5 30 0.08	-0.010	17	0.32	31.859	16	33.1	59.91	16	33.1	F5	17	3249	A	-5 2537
48		9.0A	25 31.914	-0.0015	13	-5 45 19.52	-0.006	13	0.28	31.939	16	33.1	19.42	16	33.1	K0	17	3250	A	-5 2538
49		9.0A	25 32.633	0.0006	09	-0 23 22.30	-0.061	11	0.22	32.624	17	36.3	21.47	17	36.3	G0	21	2592	A	-0 1998
50		9.0A	25 38.640	-0.0023	13	-6 28 4.80	0.001	13	0.28	38.679	16	33.1	4.82	16	33.1	F2	17	3251	A	-6 2603
51		8.7A	8 25 48.858	-0.0033	12	-8 33 44.13	-0.055	12	0.26	48.914	16	33.1	43.20	16	33.1	K0	16	3265	A	-8 2373
52		9.0A	25 49.326	-0.0013	11	-6 34 19.15	-0.004	11	0.24	49.348	16	33.1	19.08	16	33.1	G5	16	3264	A	-6 2604
53		9.2A	25 49.390	-0.0035	14	-0 9 28.43	-0.066	20	0.29	49.438	17	36.3	27.54	17	36.3		21	2594	A*	0 2307
54		8.6A	25 49.817	-0.0024	09	-0 11 55.39	-0.005	11	0.22	49.850	17	36.3	55.33	17	36.3	M R	21	2596	A	0 2306
55		8.2A	25 53.487	-0.0022	11	-4 7 7.86	-0.024	11	0.24	53.525	16	33.1	7.46	16	33.1	F0	17	3252	A	-3 2360
56		6.5T	25 54.165	-0.0004	11	-8 38 56.32	-0.044	10	0.55	54.182	18	02.8	54.09	18	99.5	K0	GC	11585		-8 2374
57		8.2A	25 55.758	-0.0005	12	-8 3 0.32	-0.025	12	0.26	55.766	16	33.1	-59.90	16	33.1	K5	16	3267	A	-7 2495
58		6.3T	25 57.724	-0.0006	07	-2 21 0.88	-0.019	05	0.36	57.753	15	98.7	-59.77	14	91.0	F0	GC	11587K	B*	-2 2581
59		8.1A	26 2.852	-0.0004	11	-7 10 39.73	0.003	11	0.24	2.859	16	33.1	39.77	16	33.1	K0	16	3269	A	-6 2606
60		8.6A	26 7.781	-0.0067	12	-8 1 34.33	-0.079	12	0.26	7.894	16	33.1	33.00	16	33.1	F8	16	3270	A	-7 2496
61		8.8A	26 11.280	0.0004	13	-5 33 37.78	-0.087	13	0.28	11.273	16	33.1	36.31	16	33.1	G0	17	3255	A	-5 2541
62		9.0A	26 12.380	0.0015	13	-4 22 58.45	-0.151	13	0.28	12.354	16	33.1	55.89	16	33.1	G5	17	3254	A	-4 2355
63		8.8A	26 18.837	-0.0002	13	-4 4 12.08	-0.024	13	0.28	18.841	16	33.1	12.49	16	33.1	A0	17	3256	A	-3 2362
64		8.2A	26 22.956	-0.0021	12	-7 22 37.77	-0.000	12	0.26	22.991	16	33.1	37.77	16	33.1	A2	16	3271	A	-7 2499
65		6.0T	26 26.337	-0.0012	12	-9 34 52.71	0.004	09	0.53	26.393	17	02.0	52.88	15	06.8	F2	GC	11600		-9 2532
66		8.0A	26 34.407	-0.0017	09	-0 7 58.10	-0.031	11	0.22	34.430	17	36.3	57.68	17	36.3	A0	21	2600	A	0 2310
67		7.7A	26 37.448	-0.0024	13	-5 42 30.86	-0.002	13	0.28	37.489	16	33.1	30.83	16	33.1	K0	17	3257	A	-5 2544
68		8.8A	26 44.634	-0.0026	13	-5 27 48.78	0.010	13	0.28	44.678	16	33.1	48.96	16	33.1	K0	17	3258	A	-5 2545
69		8.4A	26 46.876	-0.0011	12	-8 51 19.38	-0.024	12	0.26	46.895	16	33.1	18.97	16	33.1	A0	16	3273	A	-8 2381
70		9.4A	26 57.321	-0.0006	11	-4 56 13.97	-0.013	11	0.24	57.331	16	33.1	13.75	16	33.1	G5 F	17	3260	A	-4 2361
71		6.9T	26 57.603	-0.0012	07	-0 47 31.01	-0.001	07	0.43	57.679	10	89.5	30.97	09	88.2	K0	GC	11614		-0 2000
72		8.7A	27 1.299	-0.0014	13	-5 51 3.17	0.019	15	0.29	1.323	16	33.1	3.50	16	33.1	B9	17	3261	A	-5 2547
73		8.5A	27 6.249	-0.0019	09	-3 42 45.83	-0.014	09	0.22	6.281	16	33.1	45.60	16	33.1	A2	17	3262	A	-3 2368
74		9.2A	27 8.820	-0.0011	09	-2 12 28.70	0.001	11	0.22	8.835	17	36.3	28.72	17	36.3	A5	21	2603	A	-1 2056
75		8.8A	27 11.101	-0.0017	13	-2 59 1.25	0.022	13	0.28	11.129	16	33.1	1.63	16	33.1	G5	17	3264	A	-2 2589
76		8.4A	27 13.205	0.0022	13	-6 9 0.57	-0.031	13	0.28	13.167	16	33.1	0.05	16	33.1	MC	17	3266	A	-5 2550
77		9.2A	27 15.307	-0.0026	13	-3 3 0.44	-0.004	13	0.28	15.350	16	33.1	0.38	16	33.1	K0 F	17	3265	A	-2 2590
78		9.0A	27 16.511	-0.0009	09	-0 54 12.39	-0.018	11	0.22	16.523	17	36.3	12.15	17	36.3	A2 R	21	2605	A	-0 2001
79		9.5A	27 16.853	0.0011	12	-7 48 4.52	-0.007	12	0.26	16.834	16	33.1	4.40	16	33.1	F8 R	16	3275	A	-7 2501
80		9.0A	27 22.404	-0.0024	09	-1 35 36.59	0.017	11	0.22	22.437	17	36.3	36.83	17	36.3	A0 R	21	2608	A	-1 2057
81		8.8A	27 22.564	-0.0019	11	-8 30 46.98	-0.001	11	0.24	22.596	16	33.1	46.96	16	33.1	K5	16	3276	A	-8 2385
82		9.0A	27 23.012	-0.0010	09	-0 20 5.94	-0.019	11	0.22	23.026	17	36.3	5.67	17	36.3	A0	21	2607	A*	-0 2002
83		9.4A	27 28.180	-0.0012	12	-7 32 28.43	0.006	12	0.26	28.200	16	33.1	28.53	16	33.1	A0	16	3277	A	-7 2502
84		9.1A	27 29.932	-0.0033	13	-4 15 5.53	-0.062	13	0.28	29.969	16	33.1	4.49	16	33.1	G5	17	3267	A	-3 2372
85		7.9A	27 47.416	-0.0006	09	-2 12 42.55	-0.007	11	0.22	47.425	17	36.3	42.45	17	36.3	B9	21	2609	A	-1 2058
86		8.5A	27 53.539	0.0013	12	-7 34 25.69	-0.014	12	0.26	53.517	16	33.1	25.46	16	33.1	F0	16	3279	A	-7 2505
87		8.5A	27 54.560	-0.0020	12	-7 34 2.19	0.026	12	0.26	54.595	16	33.1	2.63	16	33.1	K R	16	3280	A	-7 2506
88		7.6A	27 57.223	0.0002	11	-6 52 16.78	-0.023	11	0.24	57.219	16	33.1	16.39	16	33.1	A0	16	3281	A	-6 2617
89		8.5A	28 7.744	0.0001	12	-6 59 19.28	-0.000	12	0.26	7.742	16	33.1	19.28	16	33.1	B8	16	3284	A	-6 2620
90		9.4A	28 11.014	-0.0018	13	-5 13 48.95	-0.039	13	0.28	11.045	16	33.1	48.29	16	33.1	G2 F	17	3269	A	-4 2368
91		8.0A	28 16.815	-0.0011	12	-9 40 49.64	-0.141	12	0.26	16.832	16	33.1	47.25	16	33.1	F5	16	3287	A	-9 2545
92		9.0A	28 17.125	-0.0009	09	-0 29 41.66	-0.027	11	0.22	17.138	17	36.3	41.30	17	36.3	K0 R	21	2612	A	-0 2006
93		8.9A	28 17.893	0.0004	09	-3 40 51.34	-0.036	09	0.22	17.887	16	33.1	49.70	16	33.1	G0 F	17	3270	A	-3 2375
94		8.4A	28 39.382	-0.0014	09	-1 50 5.62	0.001	11	0.22	39.401	17	36.3	5.63	17	36.3	K0	21	2614	A	-1 2060
95		8.8A	28 48.544	-0.0019	09	-9 16 16.09	0.002	09	0.22	48.575	16	33.1	16.12	16	33.1	A0	16	3289	A	-8 2391
96		8.5A	28 48.985	-0.0017	12	-9 45 1.49	-0.009	12	0.26	49.013	16	33.1	1.33	16	33.1	K0	16	3290	A	-9 2550
97		8.8A	28 49.002	-0.0023	09	-2 21 10.99	-0.011	11	0.22	49.033	17	36.3	10.84	17	36.3	F8	21	2616	A	-2 2595
98		9.3A	28 53.473	-0.0004	13	-5 49 43.38	0.014	13	0.28	53.480	16	33.1	43.62	16	33.1	F2	17	3272	A	-5 2562
99		9.2A	28 55.489	-0.0017	12	-9 34 16.29	-0.003	12	0.26	55.518	16	33.1	16.24	16	33.1	F0	16	3291	A	-9 2551
00		9.1A	29 3.816	-0.0027	09	-5 54 57.99	-0.000	09	0.22	3.862	16	33.1	57.99	16	33.1	K0	17	3273	A	-5 2563

136000

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	EPOCH 1950 μ s	σ_μ ″.001	EPOCH 1950 δ_{1950} ° ′ ″	EPOCH 1950 μ' ″	σ'_μ ″.001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	DM NUMBER
1		8.9A	8 29 5.075	0.0010	12	-9 9 26.62	-0.034	12	0.26	5.057	16	33.1	26.04	16	33.1	K0	16	3293	A -8 2393
2		8.5A	29 5.762	-0.0007	09	-0 0 47.63	-0.014	11	0.22	5.772	17	36.3	47.45	17	36.3	K0	21	2618	A 0 2322
3		9.0A	29 6.348	-0.0035	12	-8 12 43.97	-0.000	12	0.26	6.407	16	33.1	43.97	16	33.1	K0	16	3294	A -7 2515
4		9.0A	29 6.943	-0.0008	13	-6 21 15.29	-0.021	13	0.28	6.957	16	33.1	14.94	16	33.1	K2	17	3274	A -6 2625
5		8.9A	29 7.083	-0.0032	11	-9 21 34.33	-0.004	11	0.24	7.137	16	33.1	34.26	16	33.1	K0	16	3295	A -9 2552
6		9.1A	29 13.441	-0.0007	12	-6 8 56.62	-0.001	12	0.26	13.453	16	33.1	56.61	16	33.1	F5	17	3275	A -5 2564
7		9.0A	29 17.466	0.0016	11	-3 36 50.61	-0.026	11	0.24	17.459	16	33.1	50.17	16	33.1	F8 F	17	3276K	A -3 2380
8		8.1A	29 20.122	-0.0004	11	-8 41 3.08	-0.018	11	0.24	20.129	16	33.1	2.77	16	33.1	A0	16	3296	A -8 2394
9		8.9A	29 25.147	0.0009	12	-6 49 57.88	-0.008	12	0.26	25.151	16	33.1	58.02	16	33.1	K5	17	3297	A -6 2628
10		8.8A	29 34.788	-0.0027	13	-4 37 8.72	-0.011	13	0.28	34.833	16	33.1	8.54	16	33.1	K0	17	3277	A -4 2376
11		9.3A	29 36.115	0.0038	11	-5 41 31.77	-0.090	11	0.24	36.051	16	33.1	30.25	16	33.1	G5	17	3278	A -5 2565
12		7.5A	29 49.258	-0.0023	13	-4 56 15.72	0.012	13	0.28	49.297	16	33.1	15.92	16	33.1	K0	17	3280	A -4 2377
13		9.0A	29 49.824	-0.0011	13	-2 27 56.08	-0.012	13	0.28	49.843	16	33.1	55.88	16	33.1	K2 F	17	3279	A -2 2604
14		8.8A	29 49.841	-0.0077	09	-0 46 7.04	0.073	11	0.22	49.947	17	36.3	8.05	17	36.3	G0	21	2620	A -0 2011
15		9.1A	29 55.991	-0.0016	11	-7 15 45.00	-0.001	11	0.24	56.017	16	33.1	44.98	16	33.1	F8	16	3298	A -6 2630
16		8.5A	30 6.918	-0.0016	09	-0 45 42.26	0.006	11	0.22	6.939	17	36.3	42.34	17	36.3	A0	21	2621	A -0 2015
17		6.8T	30 7.000	0.0008	14	-5 43 42.91	-0.008	17	0.74	6.965	17	04.3	42.55	19	04.1	G5	GC	11698	-5 2566
18		7.3T	30 7.477	-0.0042	10	-3 0 29.14	0.003	08	0.51	7.705	15	95.6	29.29	15	95.8	A2	GC	11699	-2 2608
19		8.8A	30 17.120	-0.0010	09	-1 7 41.83	-0.023	11	0.22	17.134	17	36.3	41.52	17	36.3	A3	21	2622	A -0 2017
20		8.6B	30 17.796	-0.0028	16	-3 53 17.00	-0.025	16	0.73	17.919	17	06.1	15.87	18	05.3	G5	GC	11706	-3 2384
21		9.0A	30 21.869	-0.0007	13	-3 40 56.45	0.013	13	0.28	21.881	16	33.1	56.67	16	33.1	K5 F	17	3284	A -3 2385
22		8.9A	30 21.946	-0.0003	13	-4 11 48.67	-0.017	13	0.28	21.951	16	33.1	48.38	16	33.1	K2 F	17	3285	A -3 2386
23		9.0A	30 28.419	-0.0021	11	-6 24 30.41	-0.011	11	0.24	28.454	16	33.3	30.23	16	33.3	K0 R	17	3286	A -6 2634
24		8.9A	30 32.099	-0.0028	13	-6 8 40.09	-0.042	13	0.28	32.145	16	33.1	39.39	16	33.1	F8	17	3287	A -5 2567
25		9.3A	30 36.732	-0.0014	11	-9 0 33.95	-0.009	11	0.24	36.755	16	33.1	33.79	16	33.1	A0	16	3300	A -8 2402
26		6.6T	30 41.964	0.0011	13	-5 3 3.52	-0.015	12	0.67	41.909	15	98.1	2.76	18	98.3	A2	GC	11714	-4 2379
27		9.2A	30 45.925	-0.0022	12	-9 26 45.88	-0.009	12	0.26	45.962	16	33.1	45.72	16	33.1	A0	16	3301	A -9 2564
28		8.0A	30 48.434	0.0032	13	-5 9 21.53	-0.062	13	0.28	48.380	16	33.1	20.49	16	33.1	F8	17	3289	A -4 2380
29		9.3A	30 48.902	-0.0002	09	-1 24 54.08	-0.014	11	0.22	48.904	17	36.3	53.89	17	36.3	F8 R	21	2624	A -0 2020
30		8.2A	30 51.813	-0.0007	09	-0 8 11.74	-0.031	11	0.22	51.822	17	36.3	11.32	17	36.3	B8	21	2625	A 0 2331
31		8.4A	30 56.018	-0.0014	12	-7 44 32.66	0.024	12	0.26	56.042	16	33.1	33.06	16	33.1	K5	16	3302	A -7 2527
32		8.5A	30 57.188	-0.0012	09	-1 45 11.05	-0.003	11	0.22	57.205	17	36.3	11.01	17	36.3	K0	21	2626	A -1 2068
33		8.8A	30 58.995	-0.0003	09	-1 38 45.87	-0.019	11	0.22	58.999	17	36.3	45.61	17	36.3	G5	21	2627	A -1 2070
34		8.5A	30 59.420	-0.0025	12	-9 48 30.30	-0.005	12	0.26	59.462	16	33.1	30.22	16	33.1	K0	16	3303	A -9 2569
35		7.9Q	31 0.560	-0.0011	09	-2 48 19.39	-0.033	08	0.45	0.617	14	98.3	17.64	15	97.3	K5	GC	11728	-2 2613
36		8.2A	31 2.332	-0.0020	09	-0 34 42.41	-0.051	11	0.22	2.359	17	36.3	41.71	17	36.3	K0	21	2628	A -0 2021
37		8.6A	31 4.342	-0.0001	12	-7 3 41.62	-0.013	12	0.26	4.343	16	33.1	41.40	16	33.1	A0	16	3304	A -6 2636
38		8.9A	31 7.990	-0.0012	12	-9 50 13.12	-0.025	12	0.26	8.010	16	33.1	12.70	16	33.1	K0 R	16	3305	A -9 2570
39		9.1A	31 21.735	-0.0023	12	-4 47 8.02	-0.026	12	0.26	21.774	16	33.1	7.58	16	33.1	F2	17	3291	A -4 2382
40		8.0A	31 22.208	-0.0011	12	-9 49 34.49	0.005	12	0.26	22.226	16	33.1	34.57	16	33.1	MA	16	3306	A -9 2571
41		8.3A	31 22.360	-0.0039	13	-4 19 44.77	0.027	13	0.28	22.426	16	33.1	45.22	16	33.1	F5	17	3292	A -4 2383
42		8.7A	31 26.634	-0.0016	13	-5 51 21.43	-0.009	13	0.28	26.661	16	33.1	21.28	16	33.1	A2	17	3293	A -5 2572
43		8.3A	31 27.549	-0.0015	13	-6 4 49.41	-0.011	13	0.28	27.574	16	33.1	49.23	16	33.1	B9	17	3294	A -5 2573
44		5.6T	31 29.858	-0.0027	06	-1 58 46.80	0.021	05	0.23	29.967	09	09.7	47.63	09	10.5	A0	GC	11743	-1 2074
45		8.0A	31 31.120	-0.0089	09	-1 23 40.78	-0.095	11	0.22	31.242	17	36.3	39.48	17	36.3	G0	21	2630	A -1 2075
46		8.3A	31 32.425	-0.0011	13	-6 18 35.75	-0.003	13	0.28	32.443	16	33.1	35.71	16	33.1	K2	17	3296	A -5 2574
47		9.0A	31 32.775	-0.0028	13	-3 31 27.36	0.008	13	0.28	32.822	16	33.1	27.49	16	33.1	K2 F	17	3295	A -3 2384
48		9.0A	31 35.310	-0.0016	09	-0 21 37.35	-0.026	11	0.22	35.331	17	36.3	37.00	17	36.3	F5	21	2631	A -0 2022
49		8.9A	31 36.503	0.0028	12	-6 54 24.61	0.012	12	0.26	36.457	16	33.1	24.81	16	33.1	K0 R	16	3308	A -6 2639
50		9.1A	31 40.752	-0.0013	12	-9 42 4.77	-0.019	12	0.26	40.774	16	33.1	4.44	16	33.1	K0 R	16	3309	A -9 2572
51		7.5A	8 31 44.779	-0.0013	12	-9 46 49.80	0.012	12	0.26	44.801	16	33.1	50.00	16	33.1	F2	16	3310	A -9 2574
52		8.4A	31 46.629	0.0010	12	-8 7 17.19	0.008	12	0.26	46.612	16	33.1	17.32	16	33.1	A0	16	3311	A -7 2533
53		8.3A	31 48.187	-0.0021	13	-3 5 26.95	-0.016	13	0.28	48.223	16	33.1	26.68	16	33.1	A0	17	3297	A -2 2615
54		8.4A	31 56.147	-0.0014	13	-2 32 40.64	0.012	13	0.28	56.170	16	33.1	40.84	16	33.1	F5	17	3298	A -2 2616
55		9.6A	31 57.230	-0.0032	13	-5 42 11.53	0.002	13	0.27	57.283	16	33.3	11.57	16	33.3	K0 R	17	3299	A -5 2577
56		8.5A	31 58.295	-0.0036	13	-6 25 1.53	-0.018	13	0.28	58.355	16	33.1	1.23	16	33.1	F2	17	3300	A -6 2642
57		7.5T	31 59.097	-0.0115	13	-0 33 13.65	0.011	14	0.70	59.688	15	98.6	14.19	17	00.6	G5	GC	11754	-0 2024
58		9.0A	32 4.628	-0.0036	13	-4 58 56.28	0.009	13	0.28	4.687	16	33.1	56.43	16	33.1	F8	17	3302	A -4 2386
59		8.0A	32 6.303	-0.0034	13	-2 34 54.10	-0.000	13	0.28	6.361	16	33.1	54.10	16	33.1	A2	17	3301	A -2 2618
60		9.0A	32 7.960	-0.0006	09	-1 59 4.06	0.011	11	0.22	7.968	17	36.3	4.21	17	36.3	K0 R	21	2634	A -1 2078
61		8.5A	32 16.710	-0.0025	13	-3 58 50.21	-0.004	13	0.28	16.752	16	33.1	50.14	16	33.1	K5	17	3303	A -3 2398
62		8.6A	32 17.212	0.0001	12	-7 36 16.53	0.015	12	0.26	17.210	16	33.1	16.79	16	33.1	G5 R	16	3313	A -7 2535
63		8.7A	32 24.696	-0.0026	13	-2 49 21.41	-0.010	13	0.28	24.740	16	33.1	21.24	16	33.1	A0	17	3304	A -2 2619
64		9.0A	32 26.502	-0.0009	12	-9 9 48.77	0.021	12	0.26	26.518	16	33.1	49.12	16	33.1	A2	16	3315	A -8 2415
65		9.2A	32 28.424	-0.0011	09	-6 24 16.76	0.018	09	0.22	28.444	16	33.1	17.07	16	33.1	G0	17	3305	A -6 2646
66		9.0A	32 37.668	-0.0041	13	-3 52 34.75	0.037	13	0.28	37.737	16	33.1	35.37	16	33.1	F0	17	3306	A -3 2400
67		8.7A	32 38.210	-0.0014	12	-8 31 31.40	-0.004	12	0.26	38.233	16	33.1	31.33	16	33.1	A0	16	3316	A -8 2418
68		9.2A	32 39.701	-0.0029	13	-2 28 58.72	0.002	13	0.27	39.750	16	33.3	58.75	16	33.3	G0 R	17	3307	A -2 2620
69		8.8A	32 48.164	-0.0009	12	-6 55 2.28	0.002	12	0.26	48.179	16	33.1	2.32	16	33.1	K5	16	3317	A -6 2648
70		9.3A	32 53.663	-0.0036	13	-4 12 58.57	-0.016	13	0.28	53.723	16	33.1	58.30	16	33.1	G2P F	17	3308	A -3 2402
71		8.8A	32 53.761	-0.0024	12	-7 40 15.10	0.012	12	0.26	53.801	16	33.1	15.30	16	33.1	G5	16	3319	A -7 2537
72		9.3A	32 54.675	-0.0009	13	-5 22 27.55	-0.016	13	0.28	54.691	16	33.1	27.29	16	33.1	A0	17	3309	A -5 2582
73		8.6A	32 55.367	-0.0024	12	-9 48 9.78	-0.009	12	0.26	55.408	16	33.1	9.62	16	33.1	K5	16	3320	A -9 2583
74		9.1A	32 57.841	-0.0001	12	-8 37 16.00	-0.047	12	0.26	57.842	16	33.1	15.20	16	33.1	K	16	3321	A -8 2420
75		9.1A	33 0.263	-0.0020	13	-2 31 47.22	0.004	13	0.28	0.298	16	33.1	47.28	16	33.1	K2	17	3310	A -2 2623
76		5.6T	33 1.752	-0.0020	04	-7 48 32.10	0.016	03	0.22	1.860	07	96.7	33.00	07	94.2	A2P	GC	11775	B* -7 2540
77		8.9A	33 7.020	0.0011	12	-6 48 14.57	-0.021	12	0.26	7.001	16	33.1	14.21	16	33.1	K0	16	3323	A -6 2649
78		8.6A	33 11.836	0.0016	09	-0 15 53.74	-0.070	11	0.22	11.814	17	36.3	52.78	17	36.3	K5	21	2640	A 0 2339
79		9.5A	33 15.736	0.0011	13	-5 20 47.11	-0.020	13	0.27	15.718	16	33.3	46.78	16	33.3	F2 R	17	3311	A -5 2585
80		8.3A	33 18.271	-0.0016	09	-0 18 25.67	-0.013	11	0.22	18.293	17	36.3	25.49	17	36.3	A0	21	2641	A 0 2340
81		8.5A	33 33.701	0.0005	09	-1 32 2.85	-0.007	11	0.22	33.694	17	36.3	2.76	17	36.3	A2	21	2642	A -1 2084
82		9.0A	33 47.334	-0.0004	12	-6 50 0.94	0.005	12	0.26	47.341	16	33.1	1.02	16	33.1	F2	16	3325	A -6 2654
83		9.2A	33 54.928	-0.0010	17	-3 31 7.85	-0.034	17	0.32	54.943	16	33.1	7.27	16	33.1	K2 F	17	3312	A -3 2405
84		9.4A	33 56.610	0.0019	12	-7 39 6.98	0.001	12	0.26	56.578	16	33.1	6.98	16	33.1	K0 R	16	3326	A -7 2545
85		8.5A	34 2.729	0.0032	13	-3 20 13.60	-0.022	13	0.28	2.675	16	33.1	13.22	16	33.1	F8	17	3313	A -3 2406
86		7.5T	34 14.660	-0.0013	17	-9 32 23.28	-0.022	13	0.72	14.720	19	05.6	22.23	18	02.2	K0	GC	11800	-9 2595
87		8.3A	34 22.765	-0.0024	13	-3 53 35.72	0.047	13	0.28	22.806	16	33.1	36.51	16	33.1	K0	17	3314	A -3 2408
88		8.7A	34 26.846	0.0022	12	-7 8 51.11	-0.019	12	0.26	26.809	16	33.1	50.79	16	33.1	K2	16	3332	A -6 2658
89		9.2A	34 28.634	0.0003	12	-7 3 34.62	0.009	12	0.26	28.630	16	33.1	34.77	16	33.1	G	16	3333	A -6 2659
90		8.8A	34 29.065	0.0001	12	-9 21 24.87	-0.030	12	0.26	29.064	16	33.1	24.36	16	33.1	A3	16	3335	A -9 2597
91		9.2A	34 29.679	-0.0005	12	-7 3 14.89	0.014	12	0.26	29.687	16	33.1	15.13	16	33.1	G R	16	3334	A -6 2659
92		9.0A	34 31.120	0.0020	13	-2 49 35.33	-0.102	13	0.28	31.087	16	33.1	33.60	16	33.1	G8 F	17	3315	A -2 2632
93		8.7A	34 36.648	0.0001	12	-7 38 29.51	0.023	12	0.26	36.646	16	33.1	29.90	16	33.1	A0	16	3336	A -7 2552
94		9.6A	34 36.884	-0.0028	12	-9 33 59.92	-0.004	12	0.26	36.932	16	33.1	59.85	16	33.1	F5 R	16	3337	A -9 2599
95		8.9A	34 39.900	-0.0010	12	-4 19 8.48	-0.000	12	0.26	39.917	16	33.1	8.48	16	33.1	K2 F	17	3316	A -3 2409
96		8.8A	34 40.810	-0.0013	12	-8 54 56.59	-0.004	12	0.26	40.832	16	33.1	56.52	16	33.1	F0	16	3338	A -8 2427
97		9.0A	34 41.356	-0.0045	13	-3 49 35.59	-0.105	13	0.28	41.431	16	33.1	35.81	16	33.1	G5	17	3317	A -3 2410
98		9.0A	34 42.981	-0.0018	09	-1 52 36.54	-0.004	11	0.22	43.005	17	36.3	36.49	17	36.3	A5	21	2647	A -1 2088
99		9.2A	34 43.689	-0.0006	12	-8 30 47.82	-0.029	12	0.26	43.699	16	33.1	47.33	16	33.1	A2	16	3339	A -8 2428
00		8.2A	34 53.073	-0.0006	12	-6 17 50.90	-0.008	12	0.26	53.083	16	33.1	50.77	16	33.1	G5	17	3318	A -5 2590

SOURCE

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NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ_α s	$\sigma\mu_\alpha$ .001	δ_{1950} ° ′ ″	μ_δ ″	$\sigma\mu_\delta$ .001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ .01	ep.	δ_2 ″	σ .01	ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	DM	NUMBER
1		8.6A	8 34 54.486	-0.0017	09	-0 15 38.57	-0.036	11	0.22	54.508	17	36.3	38.08	17	36.3	K5	21	2648	A	0 2350
2		9.1A	34 57.650	-0.0018	08	-0 23 7.81	-0.029	11	0.22	57.675	17	36.3	7.41	17	36.3	F0 R	21	2649	A	-0 2032
3		6.2T	34 57.817	-0.0007	13	-4 45 30.45	0.017	11	0.69	57.855	18	96.2	31.37	18	94.8	K0 R	GC	11821		-4 2401
4		9.0A	35 0.025	-0.0005	08	-1 8 29.09	-0.035	11	0.22	0.031	17	36.3	28.61	17	36.3	K0 R	21	2650	A	-0 2033
5		9.0A	35 5.858	-0.0012	12	-7 24 35.46	0.007	12	0.28	5.870	16	33.1	35.60	16	33.1	K0	16	3341	A	-7 2557
6		9.0A	35 8.054	0.0005	12	-8 34 14.10	0.000	12	0.28	8.043	16	33.1	14.10	16	33.1	G5 R	16	3342	A	-8 2430
7		8.7A	35 10.088	0.0008	11	-3 16 2.79	-0.021	11	0.22	10.025	16	33.1	3.14	16	33.1	K5 F	17	3320	A	-2 2637
8		8.6A	35 11.638	-0.0012	08	-0 57 12.68	-0.057	11	0.22	11.655	17	36.3	12.31	17	36.3	K5	21	2651	A	-0 2034
9		8.5A	35 14.018	-0.0029	08	-1 23 38.97	-0.001	11	0.22	14.057	17	36.3	38.96	17	36.3	K5	21	2652	A	-1 2080
10		8.5A	35 22.758	-0.0009	12	-6 38 52.03	0.008	12	0.28	22.787	16	33.1	52.17	16	33.1	A0	16	3343	A	-6 2863
11		6.7T	35 23.708	-0.0186	13	-6 37 55.02	0.026	13	0.72	24.701	17	97.2	56.39	17	97.6	G0	GC	11837K		-6 2864
12		7.2T	35 32.348	-0.0110	18	-8 42 19.05	-0.030	18	0.86	32.883	21	04.3	17.67	19	04.1	F5	GC	11841		-8 2436
13		8.2A	35 35.015	0.0034	12	-8 33 35.80	0.049	12	0.28	32.958	16	33.1	36.63	16	33.1	G5	16	3345	A	-8 2434
14		8.8A	35 37.362	0.0048	11	-6 27 48.19	-0.022	11	0.24	37.281	16	33.1	47.75	16	33.1	G5	17	3321	A	-6 2867
15		9.2A	35 37.885	-0.0028	09	-0 11 59.07	-0.004	11	0.22	37.903	17	36.3	59.02	17	36.3	K0 R	21	2653	A	0 2353
16		8.4A	35 40.495	-0.0029	09	-1 41 34.47	0.035	11	0.22	40.535	17	36.3	34.95	17	36.3	G5	21	2655	A	-1 2092
17		6.5T	35 52.555	-0.0003	15	-6 29 10.17	-0.009	12	0.77	52.574	17	94.4	9.70	15	96.2	A2	GC	11851		-6 2869
18		8.8A	35 52.861	-0.0010	12	-8 23 23.11	-0.015	12	0.28	52.878	16	33.1	22.85	16	33.1	K2	16	3349	A	-8 2438
19		8.9A	35 56.700	-0.0005	12	-9 2 57.95	-0.049	12	0.28	56.708	16	33.1	57.12	16	33.1	F8	16	3350	A	-8 2439
20		8.4A	36 5.554	-0.0003	12	-7 14 11.33	0.012	12	0.28	5.559	16	33.1	11.54	16	33.1	K0	16	3351	A	-6 2670
21		9.0A	36 8.545	-0.0009	12	-6 4 48.18	0.008	12	0.28	8.561	16	33.1	48.32	16	33.1	A0	17	3323	A	-5 2598
22		8.9A	36 9.898	-0.0022	13	-6 15 5.03	-0.015	13	0.28	9.933	16	33.1	4.78	16	33.1	F0	17	3324	A	-5 2599
23		9.0A	36 14.840	0.0012	12	-4 28 21.09	0.019	13	0.28	14.880	16	33.1	21.41	16	33.1	K2	17	3325	A	-4 2407
24		9.1A	36 20.186	-0.0006	12	-2 58 57.69	-0.046	12	0.28	20.315	16	33.1	56.91	16	33.1	K2 F	17	3328	A	-2 2645
25		8.3A	36 20.285	0.0151	13	-5 46 2.92	-0.327	15	0.28	20.030	16	33.1	57.40	16	33.1	G5	17	3328	A	-5 2601
26		8.8A	36 20.968	-0.0005	13	-3 44 4.81	-0.011	13	0.28	20.977	16	33.1	4.62	16	33.1	A2	17	3327	A	-3 2420
27		8.5A	36 23.331	-0.0001	13	-5 59 52.20	-0.062	13	0.28	23.334	16	33.1	51.16	16	33.1	K0	17	3329	A	-5 2602
28		8.4A	36 24.802	-0.0018	12	-8 22 46.30	-0.025	12	0.28	24.833	16	33.1	45.88	16	33.1	K0	16	3353	A	-8 2440
29		8.0A	36 28.597	0.0001	12	-9 51 15.52	-0.071	12	0.28	28.596	16	33.1	14.32	16	33.1	K0	16	3355	A	-9 2607
30		7.4A	36 28.781	-0.0005	12	-6 40 16.87	-0.011	12	0.28	28.790	16	33.1	16.69	16	33.1	A0	16	3354	A	-6 2671
31		8.6A	36 35.016	-0.0005	09	-2 51 29.00	-0.018	09	0.22	35.025	16	33.1	28.69	16	33.1	F2	17	3330	A	-2 2647
32		9.7A	36 38.322	0.0002	13	-4 24 5.64	0.018	13	0.27	38.319	16	33.3	5.94	16	33.3	K5 R	17	3331	A	-4 2408
33		9.1A	36 42.794	-0.0018	13	-6 20 3.48	-0.032	13	0.27	42.824	16	33.3	2.95	16	33.3	K0 R	17	3332	A	-6 2673
34		8.8A	36 42.976	-0.0007	12	-7 51 22.93	-0.019	12	0.26	42.980	16	33.1	23.26	16	33.1	K5	16	3357	A	-7 2566
35		9.0A	36 49.415	0.0010	09	-3 30 26.48	-0.046	09	0.22	49.399	16	33.1	25.70	16	33.1	K0	17	3333	A	-3 2425
36		9.1A	36 52.211	-0.0005	12	-4 19 26.96	0.013	12	0.26	52.219	16	33.1	27.18	16	33.1	A5 F	17	3334	A	-3 2426
37		8.0A	36 54.787	-0.0003	13	-4 40 58.59	0.012	13	0.28	54.793	16	33.1	58.79	16	33.1	K2	17	3335	A	-4 2410
38		8.2A	36 55.935	-0.0021	13	-3 51 6.27	-0.011	13	0.28	55.971	16	33.1	6.08	16	33.1	K0	17	3336	A	-3 2427
39		8.7A	36 56.367	-0.0000	13	-4 54 35.24	-0.011	13	0.28	56.367	16	33.1	35.05	16	33.1	F0	17	3337	A	-4 2411
40		8.7A	36 56.375	-0.0028	12	-9 24 1.93	0.011	12	0.26	58.422	16	33.1	2.11	16	33.1	A0	16	3358	A	-9 2610
41		8.9A	37 0.143	-0.0028	12	-8 1 33.90	0.018	12	0.28	0.191	16	33.1	34.21	16	33.1	K2	16	3359	A	-7 2570
42		9.0A	37 13.541	-0.0017	08	-1 52 39.31	-0.003	11	0.22	13.564	17	36.3	39.27	17	36.3	K2 R	21	2658	A	-1 2098
43		8.0A	37 15.234	-0.0022	12	-9 1 16.75	-0.005	12	0.28	15.272	16	33.1	16.67	16	33.1	K2	16	3360	A	-8 2444
44		7.7A	37 18.542	-0.0002	12	-9 24 32.87	-0.016	12	0.28	18.546	16	33.1	32.60	16	33.1	M8	16	3361	A	-9 2612
45		8.9A	37 23.885	-0.0039	09	-1 42 5.94	0.056	11	0.22	23.938	17	36.3	6.71	17	36.3	G0	21	2659	A	-1 2099
46		9.0A	37 26.385	-0.0008	09	-1 37 56.90	-0.019	11	0.22	26.395	17	36.3	56.64	17	36.3	K2 R	21	2660	A	-1 2100
47		9.5A	37 31.861	-0.0026	11	-6 17 44.59	-0.128	11	0.24	31.738	16	33.3	42.49	16	33.3	M2 R	17	3338	A	-5 2603
48		9.2A	37 33.983	-0.0000	15	-4 56 6.92	0.064	15	0.30	33.963	16	33.1	8.03	16	33.1	M5 F	17	3339	A	-4 2414
49		8.5A	37 42.510	-0.0022	13	-4 33 48.62	0.025	13	0.28	42.547	16	33.1	49.04	16	33.1	K2	17	3340	A	-4 2415
50		8.3A	37 42.735	-0.0036	12	-7 10 10.99	0.000	12	0.26	42.797	16	33.1	11.00	16	33.1	F5	16	3364	A	-6 2683
51		9.5A	8 37 44.128	-0.0015	12	-6 17 35.26	0.060	12	0.26	44.154	16	33.1	36.28	16	33.1	F8 R	16	3365	A	-5 2605
52		8.8A	37 45.306	-0.0003	13	-3 37 42.05	0.015	13	0.28	45.311	16	33.1	42.30	16	33.1	K8 F	17	3341	A	-3 2430
53		9.0A	37 46.209	-0.0011	13	-5 44 28.04	0.001	13	0.28	46.227	16	33.1	28.06	16	33.1	A0	17	3342	A	-5 2606
54		8.6A	37 49.663	-0.0009	09	-1 26 23.44	-0.018	11	0.22	49.675	17	36.3	23.19	17	36.3	K5	21	2661	A	-1 2102
55		9.0A	37 58.430	-0.0011	12	-4 56 52.93	0.040	12	0.26	58.450	16	33.1	53.20	16	33.1	F5	17	3343	A	-4 2416
56		9.0A	37 58.786	-0.0019	09	-0 14 51.46	-0.022	11	0.22	58.792	17	36.3	51.16	17	36.3	K2 R	21	2662	A	0 2358
57		8.3A	38 3.367	-0.0152	13	-3 48 12.12	0.086	13	0.28	3.624	16	33.1	13.57	16	33.1	K0	17	3345	A	-3 2432
58		9.1A	38 3.606	0.0000	09	-0 0 55.22	-0.048	11	0.22	3.605	17	36.3	54.56	17	36.3	A0 R	21	2663	A	0 2359
59		8.9A	38 4.076	-0.0021	09	-2 19 4.01	0.007	11	0.22	4.105	17	36.3	4.11	17	36.3	K2	21	2664	A	-1 2103
60		9.1A	38 8.430	0.0002	13	-3 59 0.75	-0.005	13	0.28	8.427	16	33.1	0.66	16	33.1	F8 F	17	3346	A	-3 2433
61		8.2A	38 10.389	-0.0009	12	-7 37 47.25	-0.037	12	0.26	10.395	16	33.1	46.63	16	33.1	K2	16	3367	A	-7 2573
62		8.3A	38 10.777	0.0009	12	-6 31 55.81	-0.025	12	0.26	10.761	16	33.1	56.24	16	33.1	K0	16	3366	A	-6 2685
63		8.9A	38 10.884	-0.0022	13	-2 32 29.34	-0.000	13	0.28	10.922	16	33.1	29.34	16	33.1	F0	17	3347	A	-2 2652
64		9.3A	38 12.748	-0.0020	13	-4 47 10.73	0.014	13	0.28	12.782	16	33.1	10.96	16	33.1	G8 F	17	3348	A	-4 2417
65		9.1A	38 14.780	-0.0001	13	-5 31 5.44	-0.006	13	0.28	14.761	16	33.1	5.35	16	33.1	A2	17	3350	A	-5 2608
66		8.8A	38 15.041	-0.0017	12	-7 46 25.62	0.010	12	0.26	15.071	16	33.1	25.79	16	33.1	K0	16	3368	A	-7 2574
67		9.0A	38 15.227	-0.0021	09	-2 11 0.03	0.006	11	0.22	15.251	17	36.3	0.12	17	36.3	K0 R	21	2665	A	-1 2104
68		8.5A	38 16.598	-0.0014	13	-4 2 37.74	-0.002	13	0.28	16.622	16	33.1	37.70	16	33.1	F2	17	3351	A	-3 2434
69		9.0A	38 21.585	-0.0008	09	-0 20 43.84	-0.022	11	0.22	21.621	17	36.3	43.54	17	36.3	G5	21	2666	A	-0 2042
70		8.9A	38 22.988	-0.0014	12	-9 25 20.88	0.000	12	0.26	22.991	16	33.1	20.88	16	33.1	K0	16	3369	A	-9 2619
71		9.0A	38 25.198	-0.0004	13	-4 42 7.63	0.006	13	0.28	25.205	16	33.1	7.73	16	33.1	A8 F	17	3352	A	-4 2419
72		8.9A	38 26.074	-0.0014	13	-3 59 38.62	-0.001	13	0.28	26.099	16	33.1	38.60	16	33.1	B9	17	3353	A	-3 2436
73		9.1A	38 28.330	0.0025	13	-4 36 19.71	0.000	13	0.28	28.287	16	33.1	20.04	16	33.1	K2 F	17	3355	A	-4 2420
74		9.0A	38 28.753	-0.0013	13	-2 25 20.08	0.006	13	0.28	28.775	16	33.1	20.18	16	33.1	K0	17	3354	A	-2 2654
75		8.0B	38 32.627	-0.0143	20	-1 50 0.28	-0.025	22	0.89	33.425	18	08.2	39.23	18	08.9	G5	GC	11934		-1 2107
76		6.5T	38 36.088	-0.0021	07	-8 52 23.76	-0.004	06	0.84	36.167	07	13.1	23.61	06	11.9	A0	GC	11938		-8 2452
77		8.2A	38 37.273	-0.0014	12	-8 40 1.60	-0.007	12	0.28	37.297	16	33.1	1.48	16	33.1	K5	16	3371	A	-8 2686
78		8.3A	38 44.162	-0.0014	12	-8 40 12.87	-0.019	12	0.28	44.186	16	33.1	12.55	16	33.1	MA	16	3373	A	-8 2454
79		7.8A	38 48.871	0.0036	11	-4 37 46.42	-0.085	12	0.25	48.810	16	33.1	45.32	16	33.1	K0	17	3356	A	-4 2421
80		8.6A	38 49.188	-0.0017	13	-6 21 18.72	-0.023	13	0.28	49.198	16	33.1	18.34	16	33.1	A2	17	3357	A	-6 2687
81		8.8A	38 51.980	-0.0001	13	-4 28 1.29	0.019	13	0.28	51.959	16	33.1	1.61	16	33.1	K0	17	3358	A	-4 2423
82		9.0A	38 57.459	-0.0020	09	-1 20 14.61	0.005	11	0.22	57.488	17	36.3	14.68	17	36.3	F8	21	2669	A	-1 2110
83		9.0A	39 4.245	-0.0011	09	-1 45 22.37	0.001	11	0.22	4.260	17	36.3	22.39	17	36.3	K0 R	21	2670	A	-1 2111
84		8.8A	39 7.419	-0.0029	12	-9 54 19.22	-0.073	12	0.28	7.448	16	33.1	17.98	16	33.1	G5 R	16	3376	A	-9 2623
85		8.9A	39 10.113	-0.0007	13	-6 25 45.49	-0.025	13	0.28	10.128	16	33.1	45.07	16	33.1	K2	17	3359	A	-6 2690
86		9.1A	39 15.160	-0.0015	09	-0 16 53.62	-0.024	11	0.22	15.180	17	36.3	53.49	17	36.3	A2 R	21	2671	A	0 2362
87		8.3A	39 21.472	0.0016	13	-5 25 51.87	-0.026	13	0.28	21.445	16	33.1	51.44	16	33.1	MA	17	3360	A	-5 2609
88		7.7A	39 23.231	-0.0014	12	-8 22 49.28	-0.012	12	0.28	23.255	16	33.1	49.08	16	33.1	A2	16	3377	A	-8 2456
89		8.6A	39 25.389	-0.0010	09	-0 58 7.68	0.002	11	0.22	25.403	17	36.3	7.71	17	36.3	A5	21	2673K	A	-0 2044
90		8.4A	39 26.349	-0.0008	12	-8 5 8.38	0.017	12	0.26	26.363	16	33.1	8.66	16	33.1	K5	16	3378	A	-7 2581
91		8.6A	39 33.576	0.0017	11	-4 31 0.12	-0.012	11	0.24	33.548	16	33.1	59.91	16	33.1	K0	17	3361	A	-4 2425
92		9.0A	39 34.403	-0.0010	09	-0 57 42.60	-0.048	11	0.22	34.416	17	36.3	41.84	17	36.3	F2 R	21	2674	A	-0 2045
93		7.5A	39 36.219	-0.0017	09	-2 52 11.90	-0.012	09	0.22	36.248	16	33.1	11.89	16	33.1	MA	17	3362	A	-2 2659
94		8.6A	39 47.280	-0.0011	12	-7 56 10.62	-0.007	12	0.28	47.299	16	33.1	10.50	16	33.1	K5	16	3379	A	-7 2582
95		7.7A	39 48.020	-0.0022	12	-8 24 7.90	0.022	12	0.26	48.057	16	33.1	8.27	16	33.1	K0	16	3381	A	-8 2459
96		9.4A	39 48.399	0.0001	12	-4 33 5.04	-0.017	12	0.28	48.398	16	33.1	4.75	16	33.1	G8 F	17	3363	A	-4 2426
97		9.0A	39 49.018	0.0008	12	-6 52 0.58	-0.033	12	0.28	49.010	16	33.1	0.01	16	33.1	K0	16	3380	A	-6 2695
98		8.2B	39 49.139	-0.0015	09	-8 13 11.95	0.010	05	0.38	49.208	17	05.0	12.34	15	92.1	F5	GC	11971K	B*	-7 2583
99		8.8A	40 2.500	-0.0011	11	-5 46 47.69	0.015	11	0.24	2.519	16	33.1	47.84	16	33.1	F5	17	3364	A	-5 2444
00		8.9A	40 4.411	-0.0004	12	-7 23 29.58	0.006	12	0.26	4.418	16	33.1	29.89	16	33.1	K0 R	16	3384	A	-7 2584

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NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	EPOCH 1950 μ s	EPOCH 1950 σ_μ .001"	EPOCH 1950 δ_{1950} ° ′ ″	EPOCH 1950 μ' ″	EPOCH 1950 σ'_μ .001"	EPOCH 1950 σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ .01"	ep.	δ_2 ″	σ' .01"	ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	DM NUMBER
1		7.0T	8 40 4.525	-0.0023	10	-8 19 6.43	-0.006	10	0.60	4.658	17	92.8	6.10	18	93.6	B9	GC	11975	-7 2587
2		7.0T	40 7.051	-0.0008	13	-4 13 47.21	-0.036	13	0.75	7.096	18	94.1	45.28	21	96.7	K2	GC	11976	-3 2445
3		9.2A	40 14.044	-0.0015	09	-0 33 34.25	-0.051	11	0.22	14.064	17	36.3	33.55	17	36.3	F5 R	21	2675	A -0 2050
4		8.6A	40 17.357	-0.0024	12	-7 18 56.87	0.004	12	0.26	17.398	16	33.1	56.94	16	33.1	K2	16	3386	A -6 2700
5		8.7A	40 19.351	-0.0007	13	-4 26 34.21	-0.010	13	0.28	19.363	16	33.1	34.04	16	33.1	K0	17	3366	A -4 2427
6		8.4A	40 25.806	-0.0017	12	-2 30 55.66	-0.019	12	0.26	25.835	16	33.1	55.33	16	33.1	F5	17	3367K	A -2 2666
7		8.9A	40 26.017	-0.0007	11	-9 14 48.74	-0.019	11	0.24	26.028	16	33.1	48.42	16	33.1	K2 R	16	3388	A -8 2464
8		9.1A	40 26.327	-0.0014	12	-7 39 45.01	0.001	12	0.26	26.351	16	33.1	45.03	16	33.1	K0	17	3387	A -7 2588
9		9.1A	40 28.347	-0.0001	13	-4 22 43.46	0.011	13	0.28	28.348	16	33.1	43.64	16	33.1	A0	17	3368	A -4 2428
10		6.8T	40 28.859	-0.0015	22	-9 37 27.46	0.019	22	1.03	28.927	26	05.8	28.31	26	05.5	A2	GC	11984	-9 2630
11		8.6A	40 30.980	-0.0012	12	-8 21 2.39	-0.006	12	0.26	31.000	16	33.1	2.28	16	33.1	K2	16	3390	A -8 2465
12		8.9A	40 32.877	-0.0012	12	-9 22 36.33	-0.008	12	0.26	32.897	16	33.1	36.19	16	33.1	F0 R	16	3391	A -9 2631
13		9.1A	40 38.115	-0.0003	12	-7 10 55.11	0.004	12	0.26	38.121	16	33.1	55.19	16	33.1	K0	16	3392	A -6 2702
14		9.1A	40 42.993	-0.0003	11	-7 0 37.63	-0.005	12	0.25	42.999	16	33.1	37.71	16	33.1	G0	16	3393	A -6 2703
15		8.6A	40 55.686	-0.0018	09	-0 53 3.86	-0.036	11	0.22	55.691	17	36.3	3.37	17	36.3	G5	21	2677	A -0 2052
16		8.4A	40 56.955	-0.0005	12	-6 53 34.75	-0.010	12	0.26	56.964	16	33.1	34.59	16	33.1	K0	16	3394	A -6 2705
17		8.9A	41 1.736	-0.0016	12	-9 31 54.92	0.004	12	0.26	1.763	16	33.1	54.98	16	33.1	G0 R	16	3395	A -9 2635
18		8.8A	41 5.575	-0.0019	11	-3 33 57.32	0.011	11	0.24	5.608	16	33.1	57.50	16	33.1	K0	17	3369	A -3 2452
19		8.8Q	41 8.945	-0.0012	10	-7 2 18.43	-0.004	08	0.46	9.003	17	03.1	18.23	17	99.8	A0	GC	12004	-6 2707
20		9.2A	41 12.546	0.0004	09	-4 18 5.04	-0.012	09	0.22	12.540	16	33.1	4.83	16	33.1	G8 F	17	3370	A -3 2453
21		4.7T	41 13.052	-0.0005	05	-7 3 9.05	-0.001	04	0.26	13.079	12	98.6	9.01	10	97.5	G0	GC	12006	B* -6 2708
22		8.3A	41 19.061	-0.0043	09	-5 50 47.61	-0.044	09	0.22	19.134	16	33.1	46.87	16	33.1	K0	17	3371	A -5 2616
23		8.6A	41 26.756	-0.0020	09	-2 5 1.94	-0.060	11	0.22	26.784	17	36.3	1.12	17	36.3	G5	21	2678	A -1 2119
24		8.9A	41 27.196	-0.0034	09	-5 39 10.34	-0.029	09	0.22	27.253	16	33.3	9.86	16	33.3	G0 R	17	3372	A -5 2618
25		8.0A	41 29.520	-0.0002	13	-6 19 22.76	-0.030	13	0.28	29.523	16	33.1	22.26	16	33.1	K0	17	3373	A -5 2619
26		7.8Q	41 34.026	-0.0018	11	-4 1 14.94	-0.019	11	0.55	34.116	15	00.6	14.00	15	01.4	A2	GC	12017	-3 2454
27		9.1A	41 42.096	-0.0007	11	-9.11 58.98	0.001	11	0.24	42.107	16	33.1	58.99	16	33.1	A0	16	3400	A -8 2471
28		8.6A	41 49.727	-0.0016	09	-0 15 41.75	-0.035	11	0.22	49.749	17	36.3	41.27	17	36.3	A0	21	2680	A 0 2372
29		8.5A	41 51.412	-0.0008	13	-4 54 47.02	-0.023	13	0.28	51.426	16	33.1	46.63	16	33.1	A0	17	3375	A -4 2435
30		8.3A	41 56.831	0.0005	15	-6 1 30.65	-0.041	15	0.30	56.822	16	33.1	29.96	16	33.1	K2	17	3377	A -5 2620
31		8.9A	41 59.026	-0.0023	09	-2 11 55.27	-0.003	11	0.22	59.057	17	36.3	55.23	17	36.3	F8	21	2681	A -1 2122
32		8.9A	42 5.097	-0.0029	12	-8 15 21.73	0.018	12	0.26	5.146	16	33.1	22.04	16	33.1	F0	16	3401	A -7 2595
33		8.9A	42 11.278	0.0001	09	-9 15 36.12	-0.008	09	0.22	11.277	16	33.1	35.98	16	33.1	A0	16	3403	A -8 2474
34		8.8A	42 14.117	-0.0018	09	-0 5 23.86	-0.030	11	0.22	14.142	17	36.3	23.45	17	36.3	A	21	2683	A 0 2374
35		8.3A	42 23.470	-0.0014	11	-2 46 53.85	0.005	13	0.26	23.493	16	33.1	53.93	16	33.1	K0	17	3378	A -2 2674
36		8.9A	42 24.419	-0.0020	09	-2 7 8.60	-0.011	11	0.22	24.446	17	36.3	8.45	17	36.3	K5 R	21	2684	A -1 2124
37		7.5Q	42 25.447	0.0109	13	-8 4 22.28	-0.101	12	0.61	24.936	15	02.9	17.46	17	02.2	F5	GC	12043	-7 2597
38		9.0A	42 27.147	-0.0001	13	-6 20 42.37	0.020	13	0.28	27.149	16	33.1	42.72	16	33.1	K0	17.	3380	A -6 2713
39		9.1A	42 27.345	-0.0012	09	-3 50 37.37	0.008	09	0.22	27.365	16	33.3	37.50	16	33.3	K0 R	17	3379	A -3 2458
40		8.8A	42 40.793	-0.0011	11	-4 33 57.18	-0.011	11	0.24	40.813	16	33.1	56.99	16	33.1	F0	17	3381	A -4 2441
41		8.6A	42 42.117	-0.0012	09	-0 6 59.18	-0.052	11	0.22	42.133	17	36.3	58.47	17	36.3	K	21	2686	A · 0 2376
42		7.5Q	42 48.893	0.0003	07	-2 25 6.81	-0.024	08	0.42	48.878	17	98.9	5.59	15	99.1	F3	GC	12053K	-2 2676
43		6.2T	42 49.251	0.0001	06	-2 25 5.35	-0.009	04	0.33	49.246	15	94.6	4.77	14	86.6	F5	GC	12054K	B* -2 2676
44		7.0T	42 49.817	0.0004	12	-6 47 44.26	-0.008	14	0.62	49.800	15	04.4	43.91	17	05.9	K0	GC	12056	-6 2714
45		8.6A	42 50.961	-0.0020	09	-0 2 6.11	-0.019	11	0.22	50.989	17	36.3	5.85	17	36.3	F	21	2689K	A 0 2380
46		8.4A	42 53.606	-0.0015	13	-3 29 55.48	-0.017	13	0.28	53.632	16	33.1	55.19	16	33.1	A0	17	3383	A -3 2462
47		9.2A	42 56.884	-0.0026	12	-8 1 35.95	0.000	12	0.26	56.928	16	33.1	35.98	16	33.1	F0	16	3407	A -7 2603
48		8.4A	43 4.077	-0.0040	09	-0 30 3.72	-0.051	11	0.22	4.132	17	36.3	3.02	17	36.3	G5	21	2692	A -0 2061
49		8.0A	43 24.896	0.0026	12	-6 46 54.51	-0.074	12	0.26	24.852	16	33.1	53.26	16	33.1	F5	16	3408	A -6 2717
50		9.0A	43 24.989	-0.0016	12	-7 31 53.70	0.045	12	0.26	25.016	16	33.1	54.46	16	33.1	F0	16	3409	A -7 2605
51		8.9A	8 43 27.653	-0.0023	11	-3 7 8.68	0.002	11	0.24	27.692	16	33.1	8.71	16	33.1	K2	17	3384	A -2 2677
52		8.8A	43 29.103	-0.0038	12	-6 32 2.25	0.037	12	0.26	29.168	16	33.1	2.88	16	33.1	A2	16	3410	A -6 2718
53		9.4A	43 29.936	0.0004	11	-9 15 46.60	0.004	09	0.23	29.929	16	33.1	46.67	16	33.1	B8 R	16	3412	A -8 2480
54		5.8T	43 30.306	0.0026	08	-1 51 57.58	0.039	07	0.32	30.199	12	08.7	59.16	10	09.6	K0	GC	12077	B* -1 2125
55		8.3A	43 31.988	0.0016	13	-6 21 22.45	-0.016	13	0.28	31.961	16	33.1	22.19	16	33.1	K0	17	3385	A -6 2719
56		8.8A	43 38.795	-0.0010	09	-0 4 19.26	-0.009	11	0.22	38.809	17	36.3	19.14	17	36.3	G5	21	2694	A 0 2383
57		7.5A	43 39.485	-0.0021	12	-7 24 3.12	0.009	12	0.26	39.520	16	33.1	3.27	16	33.1	K2	16	3414	A -7 2607
58		8.7A	43 40.523	-0.0006	12	-8 47 2.67	-0.037	12	0.26	40.533	16	33.1	2.04	16	33.1	G5 R	16	3415	A -8 2482
59		9.0A	43 41.204	0.0022	09	-2 5 34.90	0.004	11	0.22	41.173	17	36.3	34.96	17	36.3	M0 R	21	2695	A -1 2126
60		9.0A	43 42.082	-0.0017	13	-4 58 2.93	0.004	13	0.28	42.111	16	33.1	2.99	16	33.1	K0	17	3386	A -4 2447
61		9.2A	43 44.306	-0.0006	13	-5 58 23.33	0.019	13	0.27	44.316	16	33.3	23.65	16	33.3	K0 R	17	3387	A -5 2623
62		9.0A	43 49.836	-0.0005	13	-5 49 34.08	-0.045	13	0.28	49.844	16	33.1	33.32	16	33.1	K0	17	3388	A -5 2624
63		9.0A	43 52.840	-0.0004	09	-1 53 18.84	-0.014	11	0.22	52.846	17	36.3	18.65	17	36.3	A0	21	2697	A -1 2128
64		9.0A	43 53.501	-0.0013	13	-4 23 12.92	0.006	13	0.27	53.523	16	33.3	13.02	16	33.3	K2 R	17	3389	A -4 2448
65		8.0A	43 53.707	-0.0022	13	-6 13 37.97	-0.032	13	0.28	53.743	16	33.1	37.44	16	33.1	K2	17	3390	A -5 2625
66		8.3A	43 58.364	-0.0012	13	-3 2 6.87	-0.007	13	0.28	58.385	16	33.1	6.75	16	33.1	K2	17	3391	A -2 2680
67		9.0A	44 9.264	-0.0014	13	-3 45 53.63	0.007	13	0.28	9.289	16	33.1	53.74	16	33.1	A0	17	3392	A -3 2469
68		7.2A	44 9.295	-0.0020	12	-8 27 25.25	-0.025	12	0.26	9.329	16	33.1	24.83	16	33.1	K0	16	3417	A -8 2486
69		9.3A	44 10.979	-0.0013	12	-7 4 46.93	0.011	12	0.26	11.001	16	33.1	47.11	16	33.1	K0	16	3418	A -6 2720
70		8.1A	44 12.400	-0.0013	09	-0 10 9.34	-0.037	11	0.22	12.416	17	36.3	8.84	17	36.3	K0	21	2700	A 0 2389
71		8.7A	44 15.084	0.0001	12	-8 17 4.87	-0.003	12	0.26	15.083	16	33.1	4.83	16	33.1	K0	16	3420	A -7 2609
72		8.7A	44 19.130	-0.0014	13	-3 24 40.38	-0.010	13	0.28	19.153	16	33.1	40.21	16	33.1	F0	17	3393	A -3 2470
73		9.0A	44 29.716	-0.0040	13	-2 24 40.47	-0.042	13	0.28	29.785	16	33.1	39.76	16	33.1	G5	17	3394	A -2 2682
74		9.1A	44 29.771	0.0002	13	-6 8 48.69	-0.013	13	0.28	29.768	16	33.1	48.92	16	33.1	K5	17	3395	A -5 2629
75		8.1A	44 32.492	0.0009	12	-6 34 25.79	-0.013	12	0.26	32.476	16	33.1	25.58	16	33.1	G5	16	3421	A -6 2723
76		5.2T	44 42.935	-0.0023	04	-1 42 45.93	-0.003	03	0.18	43.043	06	03.3	45.78	06	01.6	A0	GC	12122	B* -1 2130
77		8.8A	44 52.031	-0.0003	13	-5 49 4.09	-0.015	13	0.28	52.036	16	33.1	3.84	16	33.1	K0	17	3396	A -5 2630
78		8.9A	44 54.500	-0.0009	13	-5 43 9.10	-0.013	13	0.28	54.515	16	33.1	8.89	16	33.1	K2	17	3397	A -5 2632
79		8.5A	44 55.191	-0.0004	09	-0 54 46.70	-0.021	11	0.22	55.196	17	36.3	46.41	17	36.3	K0	21	2703	A -0 2067
80		8.8A	45 1.486	-0.0005	13	-5 33 45.63	-0.013	13	0.28	1.495	16	33.1	45.42	16	33.1	K5	17	3398	A -5 2633
81		8.2A	45 3.369	-0.0006	11	-3 46 11.23	0.024	11	0.24	3.379	16	33.1	11.63	16	33.1	K2	17	3399	A -3 2473
82		9.0A	45 8.757	-0.0010	13	-3 37 35.85	0.007	13	0.27	8.775	16	33.3	35.96	16	33.3	K5 R	17	3400	A -3 2474
83		8.2A	45 16.953	-0.0021	13	-3 50 55.92	0.007	13	0.28	16.969	16	33.1	56.03	16	33.1	A0	17	3401	A -3 2476
84		8.3A	45 21.727	-0.0013	13	-5 14 58.00	-0.004	13	0.28	21.749	16	33.1	57.94	16	33.1	F8	17	3402	A -4 2456
85		8.9A	45 33.329	-0.0003	13	-2 59 56.24	0.005	13	0.27	33.334	16	33.3	56.32	16	33.3	F2 R	17	3403	A -2 2690
86		9.2A	45 36.193	-0.0011	13	-6 14 8.78	-0.017	13	0.28	36.213	16	33.1	8.50	16	33.1	F5	17	3404	A -5 2635
87		6.2T	45 36.732	0.0005	06	-6 22 23.01	-0.025	06	0.27	36.714	10	10.1	21.97	10	08.1	K0	GC	12141	-6 2727
88		8.1A	45 48.426	-0.0007	12	-7 47 13.01	-0.015	12	0.26	48.437	16	33.1	12.76	16	33.1	A2	16	3424	A -7 2617
89		9.4A	45 51.948	-0.0015	13	-5 29 38.54	0.025	13	0.27	51.973	16	33.3	38.96	16	33.3	F8 R	17	3407	A -5 2636
90		8.9A	45 52.216	0.0009	12	-7 7 36.69	0.013	12	0.26	52.200	16	33.1	36.91	16	33.1	A3	16	3425	A -6 2729
91		9.2A	45 53.292	0.0020	12	-9 20 11.22	0.005	12	0.26	53.259	16	33.1	11.30	16	33.1	A2	16	3426	A -8 2492
92		8.0A	45 54.622	-0.0022	09	-2 20 6.96	-0.023	11	0.22	54.652	17	36.3	6.65	17	36.3	G5	21	2707	A -1 2136
93		8.7A	45 57.259	-0.0013	13	-5 21 9.32	-0.018	13	0.28	57.262	16	33.1	9.02	16	33.1	K5	17	3408	A -5 2638
94		6.6T	46 4.672	-0.0042	10	-0 51 33.42	-0.013	11	0.54	4.681	15	00.2	32.78	15	00.4	K0	GC	12159	-0 2069
95		8.3A	46 8.298	0.0001	13	-4 20 10.71	0.008	13	0.28	8.297	16	33.1	10.84	16	33.1	K5	17	3409	A -3 2478
96		9.1A	46 13.319	-0.0001	11	-9 30 22.65	-0.013	11	0.24	13.320	16	33.1	22.43	16	33.1	A3	16	3427	A -9 2663
97		8.5A	46 19.683	-0.0078	11	-8 30 18.33	-0.046	11	0.24	19.815	16	33.1	17.55	16	33.1	F5	16	3428	A -8 2494
98		9.0A	46 20.764	-0.0032	09	-1 55 9.84	-0.014	11	0.22	20.808	17	36.3	9.65	17	36.3	K0 R	21	2709	A -1 2137
99		9.0A	46 26.799	-0.0012	09	-0 29 46.26	-0.008	11	0.22	26.816	17	36.3	46.15	17	36.3	K0 R	21	2710	A -0 2070
00		9.0A	46 32.190	-0.0002	12	-8 5 49.05	0.004	12	0.26	32.193	16	33.1	49.12	16	33.1	F8	16	3429	A -7 2623

- 00 8H

136300 — 0° 8H

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	EPOCH 1950 μ s	EPOCH 1950 σ_μ ″ .001	EPOCH 1950 δ_{1950} ° ′ ″	EPOCH 1950 μ' ″	EPOCH 1950 $\sigma_{\mu'}$ ″ .001	EPOCH 1950 σ_{1950} ″	ORIGINAL EPOCH α_2 s	ORIGINAL EPOCH σ ″ .01	ORIGINAL EPOCH ep.	ORIGINAL EPOCH δ_2 ″	ORIGINAL EPOCH σ' ″ .01	ORIGINAL EPOCH ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	DM NUMBER
1		7.5A	8 46 34.063	-0.0020	13	-5 3 12.09	-0.009	13	0.28	34.097	16	33.1	11.94	16	33.1	K0	17	3411	A -4 2461
2		9.0A	46 35.014	-0.0000	13	-2 42 37.51	-0.009	13	0.27	35.015	16	33.3	37.36	16	33.3	F2 R	17	3410	A -2 2695
3		9.0A	46 36.307	-0.0013	11	-2 56 0.15	-0.002	11	0.24	36.329	16	33.1	0.11	16	33.1	G0	17	3412	A -2 2696
4		8.4A	46 38.569	-0.0019	12	-6 49 22.62	0.042	12	0.26	38.602	16	33.1	23.33	16	33.1	F0	16	3430	A -6 2731
5		9.0A	46 41.808	-0.0021	09	-2 13 14.63	-0.016	11	0.22	41.837	17	36.3	14.41	17	36.3	A5 R	21	2711	A -1 2138
6		8.4A	46 43.037	-0.0022	12	-6 35 33.43	0.003	12	0.26	43.075	16	33.1	33.49	16	33.1	K2	16	3431	A -6 2732
7		8.8A	46 49.007	-0.0017	12	-6 55 9.50	0.007	12	0.26	49.036	16	33.1	9.62	16	33.1	F2	16	3433	A -6 2733
8		5.2H	46 50.952	-0.0016	01	-3 15 22.83	-0.027	02	0.06	50.999	03	20.9	21.97	03	18.1	B9	F4	1230	-2 2699
9		8.7A	46 55.250	-0.0007	12	-7 45 19.88	0.029	12	0.26	55.261	16	33.1	20.38	16	33.1	MA	16	3434	A -7 2627
10		9.0A	47 3.039	-0.0026	09	-1 37 10.86	-0.030	11	0.22	3.074	17	36.3	10.45	17	36.3	A0	21	2712	A -1 2139
11		9.4A	47 5.441	0.0003	12	-7 18 42.25	-0.013	12	0.26	5.437	16	33.1	42.04	16	33.1	K0 R	16	3435	A -6 2735
12		9.0A	47 6.520	-0.0014	11	-9 37 30.42	-0.012	11	0.24	6.544	16	33.1	30.22	16	33.1	G0 R	16	3436	A -9 2886
13		8.2A	47 9.316	-0.0001	12	-8 25 42.60	-0.017	12	0.26	9.318	16	33.1	42.32	16	33.1	F0	16	3437	A -8 2499
14		9.4A	47 12.947	-0.0048	13	-5 0 23.16	-0.076	13	0.27	13.028	16	33.3	21.90	16	33.3	G0 R	17	3415	A -4 2464
15		7.2A	47 14.159	-0.0009	12	-5 30 27.80	-0.011	12	0.26	14.175	16	33.1	27.62	16	33.1	G5	17	3416	A -5 2642
16		6.8T	47 14.219	0.0002	10	-8 27 2.53	-0.061	10	0.50	14.211	17	00.9	59.47	15	99.7	A5	GC	12183	-8 2500
17		8.5A	47 19.576	-0.0030	11	-2 58 57.99	0.031	11	0.24	19.628	16	33.1	58.51	16	33.1	K5	17	3417	A -2 2702
18		9.0A	47 20.795	-0.0012	09	-1 29 58.66	-0.008	11	0.22	20.812	17	36.3	58.55	17	36.3	K0 R	21	2713	A -1 2140
19		8.9A	47 21.901	-0.0024	13	-4 32 39.65	0.004	13	0.28	21.942	16	33.1	39.72	16	33.1	K2	17	3418	A -4 2465
20		9.4A	47 23.629	-0.0015	13	-6 26 12.23	-0.030	13	0.28	23.654	16	33.1	11.73	16	33.1	G5	17	3419	A -6 2736
21		8.5A	47 30.747	-0.0023	13	-5 47 35.25	0.013	13	0.28	30.786	16	33.1	35.47	16	33.1	K0	17	3420	A -5 2644
22		8.7A	47 35.434	0.0001	13	-2 2 59.79	0.017	13	0.28	35.452	16	33.1	* 0.09	16	33.1	F2	17	3421	A -4 2467
23		8.1A	47 44.420	-0.0012	13	-2 32 54.52	-0.002	13	0.28	44.440	16	33.1	54.48	16	33.1	K5	17	3422	A -2 2706
24		9.1A	47 52.540	-0.0137	13	-5 20 29.85	-0.517	13	0.28	52.772	16	33.1	21.12	16	33.1	G5	17	3424	A -4 2468
25		7.0T	47 54.298	0.0048	11	-4 0 31.45	-0.151	11	0.56	54.056	15	99.5	24.04	15	01.0	K0	GC	12199K	-3 2486
26		8.9A	48 4.086	-0.0006	11	-2 39 39.01	0.004	11	0.24	4.076	16	33.1	39.07	16	33.1	K0	17	3425	A -2 2707
27		7.1A	48 6.727	-0.0030	13	-4 30 43.96	0.045	13	0.28	6.778	16	33.1	44.72	16	33.1	A2	17	3426	A -4 2469
28		8.9A	48 13.673	-0.0027	12	-3 18 1.80	0.035	12	0.26	13.719	16	33.1	2.39	16	33.1	A2	17	3427	A -2 2709
29		8.8A	48 17.314	-0.0010	13	-5 12 17.14	-0.003	13	0.28	17.331	16	33.1	17.10	16	33.1	F0	17	3428	A -4 2470
30		8.8A	48 19.833	-0.0011	13	-4 43 33.62	-0.048	13	0.28	19.851	16	33.1	32.81	16	33.1	K0	17	3429	A -4 2471
31		8.8A	48 19.946	0.0008	12	-6 52 34.05	-0.005	12	0.26	19.933	16	33.1	33.97	16	33.1	F0	16	3441	A -6 2740
32		8.6A	48 20.158	-0.0028	12	-7 53 31.84	-0.023	12	0.26	20.205	16	33.1	31.46	16	33.1	F5	16	3442	A -7 2834
33		8.4A	48 22.299	-0.0129	09	-0 28 18.58	-0.041	11	0.22	22.476	17	36.3	18.02	17	36.3	F8	21	2718	A -0 2075
34		9.0A	48 22.922	-0.0007	12	-6 10 11.92	-0.008	12	0.26	22.934	16	33.1	11.79	16	33.1	K5	17	3430	A -5 2646
35		8.0A	48 40.004	0.0003	12	-9 14 14.00	-0.006	12	0.26	39.999	16	33.1	13.90	16	33.1	F0	16	3443	A -8 2501
36		8.0A	48 41.721	-0.0011	13	-6 3 1.45	-0.002	13	0.28	41.739	16	33.1	1.42	16	33.1	K0	17	3431	A -5 2647
37		8.5A	48 46.247	-0.0001	13	-5 35 11.04	-0.015	13	0.28	46.250	16	33.1	10.79	16	33.1	F2	17	3432	A -5 2648
38		9.3A	48 49.482	-0.0105	13	-6 4 32.91	0.083	13	0.28	49.659	16	33.1	34.32	16	33.1	G	17	3433	A -5 2650
39		9.3A	48 49.928	-0.0011	12	-8 45 57.98	0.010	12	0.26	49.947	16	33.1	58.15	16	33.1	F8	16	3444	A -8 2503
40		9.0A	48 52.453	-0.0027	09	-1 25 3.81	-0.006	11	0.22	52.490	17	36.3	3.73	17	36.3	F8	21	2720	A -1 2147
41		7.7A	48 54.043	-0.0002	12	-8 56 5.94	-0.009	12	0.26	54.046	16	33.1	5.78	16	33.1	K2	16	3445	A -8 2504
42		8.1A	49 6.390	-0.0039	11	-4 28 42.19	-0.007	11	0.24	6.456	16	33.1	42.07	16	33.1	F2	17	3435	A -4 2474
43		8.5A	49 6.610	-0.0023	13	-5 46 52.83	-0.012	13	0.28	6.649	16	33.1	52.63	16	33.1	F5	17	3436	A -5 2651
44		8.1A	49 6.640	-0.0021	09	-3 5 39.07	-0.000	09	0.22	6.676	16	33.1	39.07	16	33.1	K0	17	3434	A -2 2714
45		5.6T	49 6.972	-0.0033	05	-6 59 19.51	-0.005	04	0.28	7.163	07	92.7	19.34	07	91.4	A2	GC	12232K	B* -6 2743
46		9.0A	49 7.107	-0.0002	12	-8 55 22.98	-0.008	12	0.26	7.110	16	33.1	22.84	16	33.1	K	16	3448	A -8 2507
47		8.8A	49 7.943	-0.0009	13	-5 12 44.16	-0.032	13	0.28	7.958	16	33.1	43.63	16	33.1	F0	17	3437	A -4 2475
48		9.1A	49 10.680	-0.0003	13	-4 50 11.42	-0.005	13	0.28	10.685	16	33.1	11.33	16	33.1	K5	17	3438	A -4 2476
49		9.1A	49 13.235	-0.0009	12	-8 46 33.89	-0.019	12	0.26	13.251	16	33.1	33.57	16	33.1	K	16	3449	A -8 2508
50		9.0A	49 14.194	-0.0014	09	-0 50 15.04	-0.001	11	0.22	14.213	17	36.3	15.03	17	36.3	A2	21	2721	A -0 2079
51		8.8A	8 49 17.633	-0.0014	09	-0 2 47.99	-0.041	11	0.22	17.652	17	36.3	47.43	17	36.3	K2 R	21	2722	A 0 2406
52		8.1A	49 17.786	-0.0022	11	-8 56 11.38	-0.053	11	0.24	17.824	16	33.1	10.48	16	33.1	F5	16	3451	A -8 2509
53		8.6A	49 29.042	-0.0003	12	-7 25 32.97	-0.009	12	0.26	29.047	16	33.1	32.82	16	33.1	K0	16	3452	A -7 2637
54		8.5A	49 35.926	-0.0005	12	-7 44 4.27	0.007	12	0.26	35.934	16	33.1	4.39	16	33.1	F8	16	3453	A -7 2639
55		8.9A	49 52.487	0.0009	13	-6 7 22.59	0.005	13	0.28	52.471	16	33.1	22.68	16	33.1	F0	17	3439	A -5 2653
56		9.6A	49 53.539	-0.0009	12	-6 43 18.82	0.006	12	0.26	53.554	16	33.1	18.92	16	33.1	F8 R	16	3454	A -6 2748
57		9.0A	49 56.989	0.0012	09	-0 16 28.30	-0.011	11	0.22	56.973	17	36.3	28.15	17	36.3	K0 R	21	2724	A 0 2410
58		8.2A	49 59.227	0.0006	12	-7 32 30.49	0.014	12	0.26	59.211	16	33.1	30.73	16	33.1	G5	16	3455	A -7 2641
59		8.8A	50 2.131	-0.0020	12	-9 42 58.79	0.000	12	0.26	2.165	16	33.1	58.79	16	33.1	G0 R	16	3456	A -9 2678
60		8.6A	50 4.211	-0.0011	12	-9 45 51.13	-0.023	12	0.26	4.229	16	33.1	50.74	16	33.1	A2	16	3457	A -9 2679
61		9.2A	50 17.315	-0.0019	12	-9 42 16.41	-0.043	12	0.26	17.347	16	33.1	15.68	16	33.1	F8 R	16	3458	A -9 2680
62		9.0A	50 24.267	0.0003	09	-3 14 3.74	0.042	09	0.22	24.262	16	33.3	4.44	16	33.3	F5 R	17	3440	A -2 2724
63		8.5A	50 36.154	-0.0022	11	-4 5 3.58	-0.023	11	0.24	36.191	16	33.1	3.19	16	33.1	F0	17	3441	A -3 2496
64		8.8A	50 38.950	-0.0007	09	-0 53 21.19	0.029	11	0.22	38.959	17	36.3	21.59	17	36.3	K5 R	21	2727	A -0 2083
65		9.0A	50 41.245	-0.0008	09	-0 32 6.51	-0.031	11	0.22	41.255	17	36.3	6.09	17	36.3	K2 R	21	2728	A -0 2084
66		8.7A	50 42.198	-0.0012	13	-3 58 5.49	0.037	13	0.28	42.218	16	33.1	6.11	16	33.1	K5	17	3442	A -3 2497
67		8.9A	50 44.985	-0.0028	11	-7 31 55.01	-0.038	11	0.24	45.033	16	33.1	54.37	16	33.1	G5	16	3459	A -7 2647
68		9.1A	50 49.732	-0.0014	09	-3 5 54.94	-0.012	09	0.22	49.755	16	33.3	54.74	16	33.3	A5 R	17	3443	A -2 2725
69		8.6A	50 49.768	-0.0003	12	-7 31 14.20	0.009	12	0.26	49.773	16	33.1	14.36	16	33.1	A0	16	3460	A -7 2649
70		7.8A	50 56.332	-0.0014	13	-6 1 19.58	-0.026	13	0.28	56.356	16	33.1	19.15	16	33.1	K0	17	3444	A -5 2656
71		9.1A	50 57.778	-0.0014	13	-5 24 35.96	0.002	13	0.28	57.802	16	33.1	36.00	16	33.1	K0	17	3445	A -5 2655
72		8.8A	51 5.448	0.0001	13	-6 24 9.47	0.016	13	0.28	5.446	16	33.1	9.75	16	33.1	G5	17	3446	A -6 2752
73		8.7T	51 12.834	-0.0035	09	-0 23 19.29	0.028	06	0.39	12.981	18	07.8	20.74	17	98.6	A5	GC	12290K	B* -0 2086
74		8.7A	51 14.121	0.0002	13	-5 43 58.46	0.007	13	0.28	14.118	16	33.1	58.59	16	33.1	G0	17	3447	A -5 2657
75		8.9A	51 15.435	-0.0041	09	-0 21 28.07	-0.151	11	0.22	15.491	17	36.3	26.00	17	36.3	G5 R	21	2730	A 0 2414
76		9.5A	51 17.589	-0.0004	11	-8 44 52.50	-0.022	11	0.24	17.596	16	33.1	52.13	16	33.1	A2	16	3462	A -8 2516
77		9.0A	51 23.531	-0.0012	11	-7 27 20.06	0.003	11	0.24	23.552	16	33.1	20.12	16	33.1	A2	16	3464	A -7 2653
78		9.0A	51 23.627	-0.0006	09	-0 3 20.21	-0.011	11	0.22	23.634	17	36.3	20.06	17	36.3	G0 R	21	2731	A 0 2415
79		9.1A	51 23.784	-0.0011	12	-9 14 39.05	0.005	12	0.26	23.804	16	33.1	39.13	16	33.1	A5	16	3465	A -8 2517
80		9.0A	51 24.360	0.0014	13	-6 25 6.47	-0.009	13	0.28	24.336	16	33.1	6.32	16	33.1	K0	17	3448	A -6 2754
81		8.4A	51 25.530	-0.0021	09	-0 25 17.42	-0.014	11	0.22	25.559	17	36.3	17.23	17	36.3	K2	21	2733	A -0 2087
82		8.5A	51 29.255	-0.0029	13	-5 43 46.84	0.009	13	0.28	29.304	16	33.1	47.00	16	33.1	A5	17	3449	A -5 2658
83		9.2A	51 31.678	0.0009	12	-7 19 37.07	-0.019	12	0.26	31.664	16	33.1	36.75	16	33.1	A2	16	3466	A -6 2756
84		9.0A	51 36.657	-0.0030	13	-3 27 46.54	0.014	13	0.27	36.708	16	33.3	46.77	16	33.3	F0 R	17	3450	A -3 2500
85		8.8A	51 39.261	-0.0029	09	-2 17 9.64	-0.010	11	0.22	39.301	17	36.3	9.51	17	36.3	F0 R	21	2734K	A -1 2154
86		9.0A	51 45.751	0.0011	13	-4 22 34.79	-0.013	13	0.28	45.733	16	33.1	34.57	16	33.1	K0	17	3453	A -4 2489
87		9.0A	51 47.858	0.0007	13	-5 42 3.11	0.003	13	0.28	47.846	16	33.1	3.16	16	33.1	A3	17	3454K	A -5 2660
88		7.4T	51 48.525	-0.0008	10	-8 34 12.76	-0.004	09	0.40	48.559	09	09.5	12.60	09	11.1	+++	GC	12305K	B* -8 2518
89		6.0T	51 50.117	-0.0282	07	-5 14 38.66	0.026	07	0.28	51.176	10	12.5	39.64	09	12.9	G0	GC	12307	-4 2490
90		8.5A	51 55.177	0.0003	13	-5 51 19.92	-0.023	13	0.28	55.173	16	33.1	19.54	16	33.1	G5	17	3456	A -5 2661
91		8.7A	51 56.912	-0.0022	09	-9 0 51.52	-0.001	09	0.22	56.950	16	33.1	51.50	16	33.1	K0	16	3469	A -8 2520
92		8.4A	52 2.190	-0.0022	13	-5 6 15.16	-0.014	13	0.28	2.228	16	33.1	14.93	16	33.1	A5	17	3457	A -4 2491
93		9.0A	52 7.884	-0.0015	09	-1 43 32.22	0.015	11	0.22	7.904	17	36.3	32.43	17	36.3	A5 R	21	2735	A -1 2157
94		8.6A	52 9.096	0.0005	12	-7 10 52.10	0.008	12	0.26	9.088	16	33.1	52.23	16	33.1	K0	16	3470	A -6 2759
95		8.8A	52 9.907	-0.0024	09	-0 31 12.56	0.014	11	0.22	9.940	17	36.3	12.76	17	36.3	F0	21	2736	A -0 2088
96		9.2A	52 11.969	-0.0010	11	-8 35 52.05	-0.014	11	0.24	11.986	16	33.1	51.81	16	33.1	F0 R	16	3471	A -8 2523
97		8.8A	52 19.953	-0.0052	09	-0 46 37.64	0.008	11	0.22	20.025	17	36.3	37.75	17	36.3	K0	21	2737	A -0 2089
98		8.2A	52 22.616	-0.0005	13	-3 47 7.54	-0.000	13	0.27	22.625	16	33.3	7.54	16	33.3	K0 R	17	3458	A -3 2503
99		9.0A	52 26.606	-0.0027	09	-1 39 57.74	0.007	11	0.22	26.643	17	36.3	57.84	17	36.3	F0 R	21	2738	A -1 2158
00		7.5A	52 27.563	0.0005	12	-7 37 37.81	-0.017	12	0.26	27.555	16	33.1	37.53	16	33.1	A5	16	3472K	A -7 2658

136400 — EPOCH 1950 — ORIGINAL EPOCH — SOURCE — −00° 8H

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	DM NUMBER
1		6.8T	8 52 27.571	-0.0008	12	-3 21 51.76	0.018	12	0.71	27.615	18	94.8	52.73	19	96.0	A2	GC	12321	-3 2506
2		8.8A	52 34.160	-0.0015	09	-1 33 4.88	-0.006	11	0.22	34.180	17	36.3	4.80	17	36.3	K0 R	21	2739	A -1 2159
3		8.2A	52 35.220	-0.0012	13	-3 43 18.23	-0.001	13	0.28	35.241	16	33.1	18.21	16	33.1	A0	17	3460	A -3 2509
4		8.9A	52 50.826	0.0001	12	-7 34 50.65	0.006	12	0.26	50.824	16	33.1	50.76	16	33.1	K2 R	16	3473	A -7 2660
5		7.1T	52 51.501	0.0005	12	-2 57 19.61	-0.045	11	0.67	51.473	15	95.3	17.12	15	94.9	K2	GC	12328	-2 2735
6		9.1A	52 59.960	-0.0016	13	-3 52 38.51	0.009	13	0.27	59.988	16	33.3	38.65	16	33.3	K2 R	17	3462	A -3 2511
7		8.1A	53 2.064	-0.0014	11	-9 44 1.83	-0.015	11	0.24	2.068	16	33.1	1.58	16	33.1	F2	16	3475	A -9 2693
8		6.9T	53 2.474	-0.0004	06	-7 46 40.43	-0.042	06	0.37	2.498	15	93.5	37.85	14	88.4	A3	GC	12334K	-7 2661
9		6.7T	53 2.503	-0.0002	04	-7 46 44.04	-0.028	03	0.27	2.517	14	86.6	42.30	10	87.8	A3	GC	12335K	-7 2661
10		9.1A	53 6.085	0.0012	13	-5 31 51.07	0.003	13	0.28	6.085	16	33.1	51.12	16	33.1	K5	17	3463	A -5 2665
11		8.8A	53 8.524	-0.0040	09	-1 48 56.24	0.003	11	0.22	8.579	17	36.3	56.28	17	36.3	F8	21	2740	A -1 2161
12		9.0A	53 8.787	0.0027	13	-5 53 35.30	0.003	13	0.28	8.741	16	33.2	35.36	16	33.2	K2	17	3465	A -5 2666
13		7.0T	53 9.126	-0.0011	12	-2 35 56.44	0.033	11	0.61	9.181	15	99.5	56.10	17	99.5	K0	GC	12337	B* -2 2737
14		7.3I	53 13.761	-0.0015	09	-8 56 58.07	0.003	08	0.50	13.847	18	94.0	58.24	17	91.4	M3E	GC	12340V	B* -8 2525
15		9.4A	53 23.221	0.0006	13	-5 43 42.60	0.016	13	0.28	23.211	16	33.2	42.67	16	33.2	A0	17	3466	A -5 2667
16		9.0A	53 25.830	-0.0011	09	-1 10 22.90	0.016	11	0.22	25.845	17	36.3	23.12	17	36.3	K0 R	21	2742	A -0 2091
17		8.3A	53 35.825	-0.0016	12	-6 4 46.24	0.000	12	0.26	35.852	16	33.2	46.25	16	33.2	K0 R	17	3467	A -5 2668
18		9.0A	53 39.861	-0.0020	09	-2 0 7.06	0.003	11	0.22	39.889	17	36.3	7.10	17	36.3	K0 R	21	2743	A -1 2162
19		9.3A	53 42.950	-0.0016	12	-2 35 39.15	-0.001	12	0.25	42.978	16	33.3	39.13	16	33.3	F8 R	17	3468	A -2 2739
20		8.8A	54 0.762	0.0005	12	-7 45 39.77	-0.001	12	0.26	0.754	16	33.1	39.76	16	33.1	F0	16	3477	A -7 2665
21		9.0A	54 6.614	-0.0020	12	-9 44 4.33	-0.044	12	0.26	6.647	16	33.1	3.58	16	33.1	G5	16	3479	A -9 2694
22		9.3A	54 8.244	0.0004	12	-7 38 23.75	-0.018	12	0.26	8.237	16	33.1	23.44	16	33.1	K0	16	3478	A -7 2668
23		8.6A	54 9.629	-0.0018	09	-2 10 54.21	-0.013	11	0.22	9.654	17	36.3	54.03	17	36.3	A2	21	2745	A -1 2163
24		8.5A	54 13.467	-0.0012	09	-0 33 0.98	0.016	11	0.22	13.483	17	36.3	1.20	17	36.3	K0 R	21	2747	A -0 2092
25		8.2A	54 13.574	-0.0015	09	-0 13 17.68	0.003	11	0.22	13.594	17	36.3	17.73	17	36.3	K2	21	2746	A 0 2431
26		8.8A	54 18.610	-0.0010	09	-0 37 44.12	-0.004	11	0.22	18.624	17	36.3	44.07	17	36.3	K0 R	21	2748	A -0 2093
27		9.1A	54 20.204	-0.0004	09	-8 51 40.77	-0.035	09	0.22	20.211	16	33.1	40.18	16	33.1	K0	16	3480	A -8 2532
28		8.9A	54 20.615	0.0003	13	-4 31 54.80	-0.011	13	0.27	20.611	16	33.3	54.61	16	33.3	F5 R	17	3469	A -4 2499
29		8.7A	54 22.439	-0.0005	12	-7 59 4.40	0.032	12	0.26	22.447	16	33.1	4.95	16	33.1	K2	16	3481	A -7 2669
30		9.1A	54 25.463	0.0012	11	-5 7 3.83	0.019	11	0.24	25.443	16	33.2	4.15	16	33.2	F0	17	3470	A -4 2500
31		8.7A	54 36.142	-0.0011	12	-9 25 40.01	-0.013	12	0.26	36.161	16	33.1	39.79	16	33.1	K2	16	3483	A -9 2696
32		8.6A	54 37.957	-0.0040	09	-1 9 29.93	0.026	11	0.22	37.991	17	36.3	30.29	17	36.3	G5	21	2750	A -0 2094
33		9.2A	54 47.812	-0.0009	11	-9 16 52.32	-0.017	11	0.24	47.828	16	33.1	52.03	16	33.1	A5 R	16	3485	A -8 2533
34		8.9A	54 49.261	-0.0007	11	-6 32 46.84	0.018	11	0.24	49.272	16	33.2	47.14	16	33.2	B8	16	3484	A -6 2772
35		9.1A	54 51.747	-0.0155	12	-9 16 2.65	-0.163	12	0.26	52.008	16	33.1	-59.89	16	33.1	G0 R	16	3486	A -8 2534
36		8.5A	54 54.412	-0.0030	09	-0 55 24.57	0.013	11	0.22	54.453	17	36.3	24.75	17	36.3	K2	21	2752	A -0 2095
37		8.6A	54 54.879	-0.0004	09	-0 1 0.00	-0.015	11	0.22	54.885	17	36.3	-59.80	17	36.3	M0 R	21	2751	A 0 2432
38		8.9A	54 56.607	0.0011	12	-7 34 25.10	0.004	12	0.26	56.589	16	33.2	25.17	16	33.2	K2	16	3487	A -7 2671
39		8.2A	54 58.480	-0.0036	09	-0 27 49.77	-0.037	11	0.22	58.530	17	36.3	49.26	17	36.3	F0	21	2753	A -0 2096
40		8.6A	55 0.036	-0.0001	12	-9 13 29.02	-0.021	12	0.26	0.037	16	33.2	28.67	16	33.2	A2	16	3488	A -8 2536
41		8.3A	55 3.892	-0.0005	12	-7 13 0.82	0.015	12	0.26	3.901	16	33.2	1.08	16	33.2	A0	16	3489	A -6 2774
42		7.6A	55 5.099	-0.0014	12	-9 53 52.89	-0.044	12	0.26	5.122	16	33.2	52.15	16	33.2	K0	16	3491	A -9 2701
43		9.0A	55 6.006	-0.0057	11	-5 29 15.65	0.055	11	0.24	6.102	16	33.2	16.58	16	33.2	K0	17	3471	A -5 2670
44		9.1A	55 7.783	0.0001	12	-6 34 29.94	-0.023	12	0.26	7.781	16	33.2	29.56	16	33.2	K5	16	3490	A -6 2776
45		8.8A	55 14.073	-0.0012	12	-8 34 12.33	-0.006	12	0.26	14.094	16	33.2	12.23	16	33.2	A0	16	3492	A -8 2538
46		9.4A	55 18.934	-0.0016	09	-2 53 36.52	-0.048	09	0.22	18.962	16	33.3	35.72	16	33.3	G5 R	17	3472	A -2 2749
47		9.3A	55 21.190	-0.0010	12	-7 10 16.62	0.024	12	0.26	21.207	16	33.2	17.03	16	33.2	F8	16	3493	A -6 2777
48		8.3A	55 21.569	0.0019	12	-5 25 31.99	0.009	12	0.26	21.536	16	33.2	32.15	16	33.2	F0	17	3474	A -5 2671
49		9.1A	55 21.809	-0.0004	09	-2 45 21.39	-0.027	09	0.22	21.816	16	33.3	20.93	16	33.3	G0 R	17	3473	A -2 2750
50		6.6T	55 28.829	-0.0001	12	-4 39 53.28	-0.042	11	0.68	28.835	17	94.3	50.84	18	92.5	F2	GC	12397	-4 2503
51		8.5A	8 55 34.008	0.0005	12	-6 44 50.87	-0.006	12	0.26	34.000	16	33.2	50.76	16	33.2	B9	16	3494	A -6 2778
52		8.2A	55 34.155	-0.0010	09	-3 23 1.66	0.006	09	0.22	34.173	16	33.2	1.76	16	33.2	K2	17	3476	A -3 2520
53		8.5A	55 34.613	-0.0013	11	-2 56 3.49	-0.040	11	0.24	34.635	16	33.2	2.81	16	33.2	A0	17	3477	A -2 2752
54		9.5A	55 36.146	-0.0001	09	-5 37 20.13	0.013	09	0.22	36.148	16	33.1	20.35	16	33.1	K0 R	17	3478	A -5 2673
55		8.5A	55 57.280	-0.0007	13	-5 37 8.78	0.031	13	0.28	57.293	16	33.2	9.31	16	33.2	A0	17	3479	A -5 2675
56		8.9A	55 57.296	0.0003	12	-8 20 25.51	-0.028	12	0.26	57.292	16	33.2	25.04	16	33.2	K0	16	3495	A -7 2677
57		8.6A	55 58.494	0.0002	09	-1 2 24.91	0.013	11	0.22	58.491	17	36.3	25.09	17	36.3	K2	21	2755	A -0 2099
58		8.5A	56 0.539	0.0021	13	-4 6 15.75	-0.040	13	0.28	0.503	16	33.2	15.07	16	33.2	F5	17	3480	A -3 2522
59		8.9A	56 17.727	-0.0040	09	-5 50 4.51	-0.031	09	0.22	17.795	16	33.2	4.00	16	33.2	G5	17	3481	A -5 2676
60		9.1A	56 23.064	0.0006	12	-8 28 5.72	-0.008	12	0.26	23.054	16	33.2	5.58	16	33.2	F0	16	3496	A -8 2541
61		9.0A	56 31.014	0.0028	09	-2 1 55.10	-0.031	11	0.22	30.976	17	36.3	54.68	17	36.3	F8 R	21	2757	A -1 2169
62		8.6A	56 32.416	0.0053	09	-0 25 44.58	-0.034	11	0.22	32.343	17	36.3	44.12	17	36.3	F5	21	2756	A -0 2103
63		9.1A	56 36.210	-0.0025	09	-0 0 40.80	0.009	11	0.22	36.244	17	36.3	40.92	17	36.3	F8 R	21	2759	A 0 2438
64		8.7A	56 39.378	0.0005	11	-5 49 37.78	-0.012	11	0.24	39.369	16	33.2	37.58	16	33.2	A5	17	3482	A -5 2679
65		8.5A	56 39.507	-0.0054	13	-5 38 59.30	0.175	13	0.28	39.597	16	33.2	+ 2.25	16	33.2	F8	17	3483	A -5 2680
66		7.7A	56 53.702	-0.0022	12	-8 47 41.31	-0.004	12	0.26	53.738	16	33.2	41.24	16	33.2	K0	16	3498	A -8 2543
67		8.8A	56 55.003	-0.0014	09	-2 47 22.62	0.007	09	0.22	55.027	16	33.2	22.73	16	33.2	K2	17	3484	A -2 2758
68		8.3A	57 1.053	0.0015	13	-4 22 25.66	-0.060	13	0.28	1.029	16	33.2	24.64	16	33.2	K0	17	3485	A -4 2508
69		8.5A	57 2.944	0.0006	12	-8 23 37.77	0.006	12	0.26	2.934	16	33.2	37.88	16	33.2	K5	16	3499	A -8 2545
70		9.0A	57 5.088	-0.0003	13	-5 40 26.38	-0.004	13	0.28	5.093	16	33.2	26.32	16	33.2	A3	17	3486	A -5 2683
71		9.1A	57 5.858	-0.0011	12	-8 3 52.91	-0.016	12	0.26	5.876	16	33.1	52.64	16	33.1	M0 R	16	3500	A -7 2684
72		9.0A	57 9.274	-0.0015	09	-1 24 59.11	0.018	11	0.22	9.294	17	36.3	59.36	17	36.3	K0 R	21	2760	A -1 2172
73		8.6A	57 16.230	-0.0005	12	-9 1 49.84	-0.057	12	0.26	16.239	16	33.2	48.88	16	33.2	K2	16	3501	A -8 2546
74		9.0A	57 16.471	-0.0012	13	-4 34 40.94	0.023	13	0.28	16.492	16	33.1	41.33	16	33.1	G5 R	17	3487	A -4 2512
75		8.5A	57 18.628	-0.0017	11	-5 55 20.29	-0.025	11	0.24	18.656	16	33.2	19.87	16	33.2	F2	17	3489	A -5 2684
76		8.7A	57 19.363	-0.0048	09	-1 22 56.17	0.057	11	0.22	19.429	17	36.3	56.95	17	36.3	G5	21	2761	A -1 2173
77		8.5A	57 19.513	-0.0003	12	-4 35 23.25	0.011	12	0.26	19.519	16	33.2	23.43	16	33.2	K0	17	3488	A -4 2513
78		7.9T	57 25.909	0.0001	08	-2 21 7.83	-0.006	07	0.41	25.904	12	00.4	7.57	14	98.2	K2	GC	12435	-1 2174
79		8.9A	57 31.528	-0.0028	12	-6 25 48.40	-0.004	12	0.26	31.576	16	33.1	48.34	16	33.1	K0 R	16	3502	A -8 2547
80		8.9A	57 35.926	-0.0001	09	-6 53 45.51	-0.013	09	0.22	35.928	16	33.2	45.29	16	33.2	F5	16	3503	A -6 2781
81		9.2A	57 36.631	-0.0002	11	-8 53 38.96	-0.027	11	0.24	36.635	16	33.2	38.51	16	33.2	F5	16	3504	A -6 2781
82		9.1A	57 41.218	-0.0027	09	-0 4 43.10	-0.003	11	0.22	41.255	17	36.3	43.06	17	36.3	F2 R	21	2764	A 0 2441
83		8.8A	57 44.504	-0.0007	11	-4 16 22.57	0.011	11	0.24	44.516	16	33.1	22.75	16	33.1	A0 R	17	3491	A -3 2529
84		8.7A	57 46.785	0.0009	13	-4 44 27.14	-0.008	13	0.28	46.751	16	33.2	27.00	16	33.2	K0	17	3492	A -4 2514
85		9.2A	57 49.647	-0.0012	12	-7 28 14.03	0.014	12	0.26	49.668	16	33.1	14.27	16	33.1	K0 R	16	3505	A -7 2688
86		7.7T	57 55.115	0.0042	11	-8 55 30.54	-0.177	11	0.54	54.925	18	04.3	22.11	18	02.4	F5	GC	12445	-8 2549
87		8.8A	58 0.182	-0.0030	12	-9 23 11.90	0.016	12	0.26	0.283	16	33.1	12.17	16	33.1	K0 R	16	3507	A -9 2715
88		8.8A	58 17.570	-0.0014	09	-0 28 58.94	0.006	11	0.22	17.588	17	36.3	59.02	17	36.3	K0 R	21	2766	A -0 2107
89		7.2T	58 19.569	0.0029	12	-8 59 41.15	-0.023	11	0.60	19.428	18	00.8	39.99	17	99.6	A0	GC	12454K	B* -8 2551
90		9.4A	58 22.074	-0.0016	12	-9 2 2.00	-0.014	12	0.26	22.101	16	33.1	1.76	16	33.1	A0 R	16	3509	A -8 2552
91		8.0A	58 23.839	-0.0034	12	-4 16 56.46	0.055	12	0.26	23.896	16	33.2	57.38	16	33.2	F0	17	3493	A -3 2532
92		8.6A	58 24.070	0.0007	12	-7 12 57.86	-0.004	12	0.26	24.059	16	33.2	57.80	16	33.2	MA	16	3510	A -6 2784
93		8.3A	58 26.578	-0.0007	13	-6 4 27.02	-0.026	13	0.28	26.590	16	33.2	26.59	16	33.2	A2	17	3494	A -5 2689
94		7.2T	58 35.919	0.0002	13	-9 1 22.21	-0.017	13	0.63	35.912	18	04.7	21.43	19	04.2	A0	GC	12465	-8 2554
95		7.9T	58 43.475	-0.0095	09	-2 21 49.77	-0.051	08	0.44	43.961	12	98.9	47.15	14	98.8	K0	GC	12468	-1 2181
96		9.0A	58 51.197	-0.0011	09	-2 20 29.49	0.003	11	0.22	51.212	17	36.3	29.53	17	36.3	M0 R	21	2768	A -1 2183
97		9.0A	58 51.587	-0.0016	09	-2 37 5.42	0.011	09	0.22	51.595	16	33.2	5.60	16	33.2	F8	17	3497	A -2 2765
98		7.7A	58 52.066	-0.0012	13	-3 10 16.13	-0.028	13	0.28	52.086	16	33.2	15.66	16	33.2	A5	17	3498	A -2 2766
99		8.7A	58 52.145	-0.0005	12	-6 37 47.30	-0.007	12	0.26	52.137	16	33.2	47.18	16	33.2	A2	16	3513K	A -6 2787
00		8.8A	58 55.436	-0.0019	09	-0 4 6.57	-0.002	11	0.22	55.462	17	36.3	6.54	17	36.3	F0 R	21	2769	A 0 2443

136500

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ s	σ_μ s/.001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″/.001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ ″/.01	ep.	δ_2 ″	σ' ″/.01	ep.	SP.	SOURCE CAT.	STAR NUMBER	DM	NUMBER
																			- 00°	
																			8H	
1		7.7A	8 58 55.874	-0.0004	12	-7 43 37.99	0.020	12	0.26	55.881	16	33.2	38.32	16	33.2	KO	16	3514	A -7	2896
2		8.0T	58 1.378	-0.0028	11	-4 15 32.89	0.008	10	0.37	1.322	17	98.8	33.33	15	00.0	K5	GC	12879	-3	2535
3		9.1A	58 3.827	0.0016	12	-6 54 12.94	-0.007	12	0.26	3.800	16	33.2	12.82	16	33.2	KO	16	3515	A -6	2789
4		8.0A	58 5.146	-0.0002	09	-0 23 3.57	-0.013	11	0.22	5.149	17	36.3	3.39	17	36.3	A2	21	2772	A -0	2110
5		7.5G	58 5.414	-0.0085	09	-1 16 45.42	-0.035	07	0.45	5.540	15	99.7	43.59	14	97.7	A2	GC	12862	-0	2111
6		8.4A	58 10.052	-0.0014	09	-0 19 30.40	0.008	11	0.22	10.071	17	36.3	30.51	17	36.3	K	R 21	2774	A 0	2448
7		9.0A	58 12.384	-0.0031	12	-0 20 38.50	-0.014	12	0.26	12.446	16	33.2	38.28	16	33.2	G5	16	3516K	A -7	2889
8		9.0A	58 16.891	-0.0010	12	-0 36 30.12	-0.001	13	0.28	16.909	16	33.2	30.10	16	33.2	K2	17	3500	A -2	2768
9		8.2A	58 24.088	-0.0021	14	-0 55 38.01	-0.036	20	0.29	24.097	17	36.3	37.92	17	36.3	F8	21	2776	A -0	2112
10		9.2A	58 24.315	0.0001	12	-9 14 27.78	-0.004	12	0.26	24.313	16	33.1	27.71	16	33.1	F8	R 16	3517	A -8	2561
11		5.8H	58 24.714	-0.0036	08	-0 17 10.25	0.067	02	0.08	24.812	04	21.7	12.26	04	20.2	KO	F4	1235	0	2449
12		8.3A	58 29.719	-0.0013	11	-4 50 7.28	0.035	11	0.24	29.741	16	33.2	7.86	16	33.2	K5	17	3501	A -4	2519
13		7.3T	58 30.488	-0.0028	11	-8 10 32.73	-0.054	08	0.54	30.616	17	96.4	29.74	17	94.6	K0	GC	12490	-7	2701
14		8.5A	58 31.765	-0.0012	12	-3 31 30.97	-0.005	12	0.26	31.748	16	33.1	30.86	16	33.1	A2	R 16	3520	A -9	2723
15		9.0A	58 33.012	-0.0005	13	-2 25 55.55	-0.008	13	0.28	33.017	16	33.2	55.41	16	33.2	F5	17	3502	A -2	2770
16		9.2A	58 34.357	-0.0025	11	-6 33 59.70	-0.032	11	0.24	34.400	16	33.2	59.16	16	33.2	G5	16	3521	A -6	2795
17		9.0A	58 40.016	-0.0016	11	-3 13 23.13	-0.013	11	0.24	40.046	16	33.2	22.91	16	33.2	G5	17	3503	A -2	2771
18		8.2A	58 43.417	-0.0014	12	-2 43 50.65	-0.019	12	0.26	43.442	16	33.2	50.33	16	33.2	KO	17	3504	A -2	2772
19		9.2A	58 44.342	-0.0008	13	-5 42 48.60	0.000	13	0.28	44.356	16	33.2	48.61	16	33.2	K2	17	3508	A -5	2894
20		8.3A	58 44.585	-0.0019	13	-5 15 25.92	0.020	13	0.28	44.617	16	33.2	26.26	16	33.2	A2	17	3505	A -4	2522
21		7.9A	58 52.358	-0.0030	14	-2 10 3.49	-0.016	20	0.29	52.392	17	36.3	3.27	17	36.3	F3	21	2779	A -1	2188
22		8.5A	58 55.902	-0.0010	14	-1 17 1.08	0.004	20	0.29	55.916	17	36.3	1.14	17	36.3	A0	21	2780	A -0	2116
23		9.2A	58 58.113	-0.0009	12	-4 24 3.76	0.012	12	0.26	58.128	16	33.1	3.98	16	33.1	G0	R 17	3507	A -4	2525
24		8.8A	58 59.387	-0.0008	14	-1 36 44.32	-0.026	20	0.29	59.397	17	36.3	43.96	17	36.3	K0	21	2781	A -1	2188
25		8.9A	9 0 0.174	0.0035	13	-4 28 22.91	-0.039	13	0.28	0.115	16	33.2	22.25	16	33.2	G5	17	3508	A -4	2526
26		9.0A	0 5.419	-0.0014	11	-5 15 29.14	0.014	11	0.24	5.442	16	33.1	29.38	16	33.1	K0	R 17	3509	A -4	2527
27		9.1A	0 9.173	-0.0025	12	-3 46 40.44	0.005	12	0.26	9.217	16	33.1	40.52	16	33.1	K5	R 17	3510	A -3	2540
28		8.7A	0 15.867	-0.0009	12	-8 46 36.70	0.047	12	0.26	15.882	16	33.2	37.49	16	33.2	G0	16	3523	A -8	2564
29		8.8A	0 15.953	-0.0034	11	-8 18 1.98	-0.052	11	0.24	16.011	16	33.2	1.11	16	33.2	G0	16	3522	A -7	2704
30		9.2A	0 15.982	-0.0026	13	-3 30 50.84	0.026	13	0.28	16.026	16	33.1	51.28	16	33.1	G0	R 17	3511	A -3	2541
31		8.7A	0 19.034	-0.0007	11	-9 11 36.57	-0.010	11	0.24	19.045	16	33.2	36.40	16	33.2	K0	16	3524	A -8	2565
32		8.8A	0 27.513	-0.0016	11	-3 4 28.76	-0.002	11	0.24	27.540	16	33.2	28.72	16	33.2	A2	17	3512	A -2	2776
33		7.9A	0 41.984	-0.0011	12	-8 47 28.99	-0.010	12	0.26	41.993	16	33.2	28.82	16	33.2	A2	16	3526	A -8	2568
34		8.0A	0 50.959	0.0005	13	-4 14 34.96	-0.009	13	0.28	50.951	16	33.2	34.80	16	33.2	A0	17	3513	A -3	2545
35		8.3A	0 54.287	-0.0013	13	-5 44 23.77	-0.037	13	0.28	54.309	16	33.2	23.15	16	33.2	F5	17	3514	A -5	2698
36		8.4A	0 56.898	0.0014	12	-8 48 47.12	-0.020	12	0.26	56.874	16	33.2	46.78	16	33.2	A3	16	3527	A -8	2569
37		8.9A	0 57.941	-0.0009	12	-3 9 33.50	-0.013	12	0.26	57.957	16	33.2	33.28	16	33.2	A2	17	3515	A -2	2780
38		9.1A	1 2.465	-0.0040	12	-6 34 32.92	-0.033	12	0.26	2.532	16	33.2	32.37	16	33.2	G0	16	3528	A -6	2801
39		9.0A	1 7.210	-0.0033	11	-7 27 21.11	-0.032	11	0.24	7.268	16	33.2	21.66	16	33.2	F5	16	3529	A -7	2707
40		8.3A	1 9.519	-0.0008	13	-4 13 46.42	0.022	13	0.28	9.533	16	33.2	46.79	16	33.2	F2	17	3516	A -3	2547
41		9.0A	1 13.656	-0.0023	09	-3 57 34.36	0.010	09	0.22	13.695	16	33.1	34.52	16	33.1	F2	R 17	3517	A -3	2549
42		6.7H	1 13.688	-0.0017	02	-4 58 20.89	-0.003	03	0.08	13.932	04	24.0	20.89	04	21.8	A0	F4	1236	-4	2530
43		9.0A	1 15.438	-0.0030	17	-3 58 37.46	0.003	17	0.32	15.488	16	33.1	37.51	16	33.1	A5	R 17	3519	A -3	2550
44		8.5A	1 17.887	0.0001	11	-8 23 2.93	-0.035	11	0.24	17.886	16	33.2	2.34	16	33.2	K0	16	3530	A -8	2570
45		9.1A	1 19.086	-0.0001	12	-8 11 19.24	-0.009	12	0.26	19.098	16	33.2	19.09	16	33.2	A2	16	3531	A -7	2709
46		8.8A	1 31.955	-0.0016	11	-8 0 40.41	-0.013	11	0.24	31.982	16	33.2	40.20	16	33.2	K2	16	3532	A -7	2712
47		8.9A	1 38.076	-0.0006	11	-2 47 0.07	-0.037	11	0.24	38.087	16	33.2	59.44	16	33.2	F8	17	3520	A -2	2782
48		9.0A	1 46.038	-0.0006	12	-9 10 20.06	-0.007	12	0.26	46.048	16	33.2	19.94	16	33.2	A0	16	3533	A -8	2573
49		8.4A	1 47.327	-0.0002	13	-3 32 56.51	0.014	13	0.28	47.330	16	33.2	56.74	16	33.2	A5	17	3521	A -3	2553
50		8.3A	1 55.693	-0.0006	13	-3 49 28.10	-0.021	13	0.28	55.704	16	33.2	27.74	16	33.2	A5	17	3522	A -3	2555
51		9.0A	9 1 56.022	-0.0006	13	-4 47 49.59	0.012	13	0.28	56.033	16	33.2	49.79	16	33.2	F5	17	3523	A -4	2531
52		8.8A	2 2.534	-0.0013	12	-9 53 47.61	0.008	12	0.26	2.556	16	33.1	47.74	16	33.1	K2	R 16	3535	A -9	2732
53		8.8A	2 6.556	-0.0011	11	-4 23 19.43	0.021	11	0.24	6.574	16	33.2	19.78	16	33.2	A0	17	3525	A -4	2532
54		8.8A	2 7.274	-0.0019	14	-2 16 41.26	-0.003	20	0.29	7.300	17	36.3	41.22	17	36.3	A2	21	2784	A -1	2193
55		8.9A	2 15.720	0.0006	14	-2 0 28.89	-0.004	20	0.29	15.711	17	36.3	28.84	17	36.3	K5	21	2785	A -1	2194
56		9.0A	2 23.184	-0.0014	14	-0 13 55.50	0.032	20	0.29	23.203	17	36.3	55.94	17	36.3	K0	R 21	2786	A 0	2455
57		8.2A	2 25.671	-0.0013	15	-4 28 27.41	0.013	15	0.30	25.693	16	33.2	27.62	16	33.2	K0	17	3526	A -4	2533
58		8.2B	2 29.053	-0.0084	11	-3 47 15.52	-0.004	07	0.47	29.348	17	04.0	15.28	15	94.6	F5	GC	12547K	-3	2562
59		9.2B	2 29.815	-0.0088	17	-3 47 13.65	0.012	11	0.65	30.093	19	09.2	14.21	19	02.3		GC	12548K	-3	2562
60		9.0A	2 30.996	-0.0084	14	-1 28 17.95	-0.013	20	0.29	31.029	17	36.3	17.77	17	36.3	F5	21	2787	A -1	2196
61		7.3T	2 32.017	-0.0049	20	-9 55 20.80	0.022	18	0.83	32.227	18	07.5	21.75	18	06.9	A5	GC	12549	-9	2733
62		9.0A	2 32.073	-0.0011	12	-4 25 43.59	-0.001	12	0.26	32.091	16	33.2	43.57	16	33.2	A5	17	3528	A -4	2534
63		7.3A	2 34.614	-0.0020	13	-3 34 50.42	0.015	13	0.28	34.647	16	33.2	50.67	16	33.2	K2	17	3529	A -3	2563
64		9.2A	2 37.399	-0.0029	11	-6 12 29.16	0.023	11	0.24	37.447	16	33.2	29.55	16	33.2	F2	17	3530	A -5	2706
65		9.3A	2 40.839	-0.0012	12	-6 0 17.96	-0.006	12	0.26	40.860	16	33.1	17.86	16	33.1	KO	R 17	3532	A -5	2707
66		9.0A	2 40.896	-0.0012	13	-4 5 18.62	-0.007	13	0.28	40.917	16	33.2	18.50	16	33.2	A2	17	3531	A -3	2566
67		8.1A	2 44.901	-0.0017	12	-9 30 13.23	-0.008	12	0.26	44.929	16	33.2	13.09	16	33.2	MA	16	3537	A -9	2735
68		9.0A	2 46.988	0.0008	14	-0 43 40.89	-0.013	20	0.29	46.980	17	36.3	40.71	17	36.3	F5	R 21	2788	A -0	2124
69		8.5A	2 51.497	0.0008	13	-4 28 52.46	-0.034	13	0.28	51.483	16	33.2	51.88	16	33.2	KO	17	3533	A -4	2537
70		8.9A	2 56.213	-0.0016	12	-5 16 10.96	-0.019	12	0.26	56.241	16	33.2	10.65	16	33.2	A5	17	3534	A -4	2538
71		8.2A	3 3.487	-0.0004	13	-3 22 27.24	-0.013	13	0.28	3.494	16	33.2	27.02	16	33.2	KO	16	3535	A -3	2570
72		9.0A	3 14.119	-0.0005	11	-8 3 35.87	-0.019	11	0.24	14.127	16	33.2	35.55	16	33.2	A2	16	3538	A -7	2715
73		8.3A	3 15.093	0.0007	11	-7 24 18.01	0.000	11	0.24	15.081	16	33.2	18.02	16	33.2	A5	16	3539	A -7	2714
74		8.5A	3 28.462	-0.0012	11	-9 20 5.78	-0.017	11	0.24	28.482	16	33.2	5.50	16	33.2	K5	16	3540	A -7	2716
75		8.6A	3 29.653	-0.0088	12	-8 54 2.38	-0.013	12	0.26	29.700	16	33.2	2.16	16	33.2	F5	16	3541	A -8	2577
76		9.5A	3 30.291	0.0006	11	-5 59 31.36	-0.001	11	0.24	30.282	16	33.1	31.35	16	33.1	G0	R 17	3536	A -5	2709
77		9.3A	3 36.435	-0.0009	12	-9 12 16.47	-0.004	11	0.24	36.450	16	33.1	16.40	16	33.1	A5	R 16	3542	A -8	2578
78		8.0A	3 47.672	-0.0004	12	-9 55 55.60	-0.026	12	0.26	47.679	16	33.2	55.16	16	33.2	KO	16	3543	A -9	2739
79		8.8A	3 50.578	-0.0036	11	-2 43 43.29	-0.012	11	0.24	50.643	16	33.2	43.08	16	33.2	G5	17	3537	A -2	2790
80		7.7A	3 57.973	0.0021	11	-2 23 56.67	0.021	11	0.24	57.952	16	33.2	57.02	16	33.2	G0	17	3538	A -2	2791
81		9.1A	3 58.727	-0.0034	14	-1 33 45.11	-0.007	20	0.29	58.773	17	36.3	45.01	17	36.3	A0	21	2790	A -1	2202
82		8.7A	3 59.040	0.0011	12	-8 35 33.78	-0.003	12	0.26	59.022	16	33.1	33.73	16	33.1	K5	R 16	3544	A -8	2580
83		8.6A	4 4.182	0.0010	12	-7 3 10.47	0.005	12	0.26	4.145	16	33.2	10.55	16	33.2	G0	16	3545	A -6	2817
84		7.7A	4 7.580	-0.0005	12	-9 33 28.07	0.006	12	0.26	7.586	16	33.2	28.17	16	33.2	KO	16	3546	A -9	2740
85		9.0A	4 12.282	-0.0027	13	-3 57 38.63	0.010	13	0.28	12.327	16	33.2	38.79	16	33.2	A2	17	3539	A -3	2573
86		9.0A	4 19.670	-0.0206	11	-8 36 29.28	0.220	12	0.25	20.018	16	33.1	33.00	16	33.1	M0	R 16	3548	A -8	2582
87		8.8A	4 19.808	-0.0025	11	-5 29 40.54	-0.022	11	0.24	19.829	16	33.2	40.18	16	33.2	F5	17	3540	A -5	2713
88		8.9A	4 28.657	0.0017	12	-7 19 41.28	-0.006	12	0.26	28.628	16	33.2	41.17	16	33.2	A2	16	3549	A -6	2821
89		8.7A	4 31.644	0.0028	11	-4 52 47.12	-0.009	11	0.24	31.598	16	33.2	45.51	16	33.2	KO	17	3541	A -4	2544
90		8.6A	4 42.545	-0.0007	12	-7 35 17.97	0.010	12	0.26	42.556	16	33.2	18.14	16	33.2	K5	16	3550	A -7	2721
91		8.8A	4 59.364	-0.0004	11	-2 52 53.82	0.011	11	0.24	59.372	16	33.2	54.00	16	33.2	A2	17	3543	A -2	2794
92		8.8A	4 59.996	-0.0021	13	-4 15 17.13	0.010	13	0.28	+ 0.032	16	33.2	17.30	16	33.2	G0	17	3544	A -3	2579
93		8.2A	5 4.099	-0.0007	12	-7 24 38.21	0.018	12	0.26	4.710	16	33.2	38.52	16	33.2	A0	16	3552	A -7	2725
94		8.3A	5 13.183	0.0008	13	-5 3 18.36	-0.013	13	0.28	13.150	16	33.2	18.15	16	33.2	KO	17	3545	A -4	2546
95		7.9A	5 22.180	-0.0003	12	-9 39 4.05	0.032	12	0.26	22.158	16	33.2	4.58	16	33.2	A0	16	3555	A -9	2747
96		8.4B	5 24.211	0.0056	07	-8 56 8.79	-0.065	04	0.33	23.946	14	02.4	4.02	12	93.8	G0	GC	12608K	-6	2825
97		7.1T	5 29.698	-0.0004	07	-2 16 23.29	-0.028	07	0.41	29.720	12	95.9	21.78	14	98.1	G5	GC	12609	-1	2207
98		8.0A	5 30.099	-0.0026	12	-7 36 8.51	-0.004	12	0.26	30.743	16	33.2	8.45	16	33.2	F0	16	3556	A -7	2726
99		8.8A	5 46.830	-0.0032	14	-1 28 48.93	-0.053	20	0.29	46.873	17	36.3	48.20	17	36.3	K5	21	2794	A -1	2208
00		9.3A	5 53.459	0.0009	12	-7 8 50.27	-0.003	12	0.26	53.443	16	33.1	50.22	16	33.1	A2	R 16	3557	A -6	2826

136600

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ_s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.		SOURCE CAT.	STAR NUMBER	DM NUMBER
1		8.5A	9 6 0.012	-0.0018	13	-5 25 41.03	-0.005	13	0.28	0.042	16	33.2	40.95	16	33.2	A3		17	3547	A -5 2727
2		9.1A	6 2.007	0.0044	12	-8 41 42.15	-0.052	12	0.26	1.933	16	33.2	41.27	16	33.2	G5		16	3559	A -8 2587
3		8.1A	6 14.115	-0.0068	12	-9 10 53.93	0.041	12	0.26	14.229	16	33.2	54.62	16	33.2	G5		16	3560	A -8 2589
4		5.5T	6 15.297	-0.0018	04	-8 23 10.97	-0.013	03	0.20	15.391	06	98.4	10.27	06	95.2	B8		GC	12626	B* -8 2588
5		8.5A	6 16.036	0.0025	14	-0 34 11.61	-0.115	20	0.29	16.002	17	36.3	10.04	17	36.3	F8		21	2795	A -0 2131
6		8.0A	6 17.394	-0.0039	13	-4 54 50.78	0.047	13	0.28	17.459	16	33.2	51.57	16	33.2	G5		17	3548	A -4 2549
7		8.8A	6 18.658	0.0014	13	-5 1 56.80	-0.018	13	0.28	18.634	16	33.2	56.50	16	33.2	A2		17	3549	A -4 2551
8		9.0A	6 26.090	-0.0003	14	-0 30 34.90	-0.005	20	0.29	26.094	17	36.3	34.83	17	36.3	G0		21	2796	A -0 2132
9		9.0A	6 29.153	-0.0012	14	-0 54 51.30	-0.032	20	0.29	29.170	17	36.3	50.86	17	36.3	G0		21	2797	A -0 2133
10		9.0A	6 34.148	-0.0014	13	-5 31 58.47	-0.011	13	0.28	34.173	16	33.2	58.29	16	33.2	A2		17	3550	A -5 2731
11		8.6A	6 34.900	-0.0003	13	-5 45 28.55	-0.003	13	0.28	34.905	16	33.2	28.51	16	33.2	A3		17	3551	A -5 2732
12		8.0A	6 36.103	-0.0031	14	-1 23 2.88	-0.068	20	0.29	36.145	17	36.3	1.95	17	36.3	K5		21	2798	A -1 2209
13		8.7A	6 39.842	-0.0008	12	-9 55 48.04	-0.006	12	0.26	39.856	16	33.2	47.94	16	33.2	K0		16	3562	A -9 2750
14		8.8A	6 43.357	-0.0025	14	-1 1 42.94	-0.015	20	0.29	43.391	17	36.3	42.74	17	36.3	F2		21	2799	A -0 2136
15		9.0A	6 43.792	-0.0020	12	-8 2 15.67	-0.001	12	0.26	43.826	16	33.1	15.66	16	33.1			16	3563	A -7 2734
16		8.9A	6 46.815	-0.0025	11	-9 30 6.36	0.030	11	0.24	46.857	16	33.2	6.86	16	33.2	F		16	3565	A -9 2753
17		8.0A	6 46.897	-0.0021	12	-7 58 39.61	-0.018	12	0.26	46.932	16	33.2	39.31	16	33.2	B9		16	3564	A -7 2735
18		9.1A	6 48.497	-0.0016	13	-5 2 7.41	-0.004	13	0.28	48.523	16	33.2	7.35	16	33.2	A5		17	3552	A -4 2554
19		8.4A	6 56.512	-0.0017	14	-0 54 31.92	-0.024	20	0.29	56.535	17	36.3	31.59	17	36.3	K2		21	2801	A -0 2138
20		8.5A	6 56.602	0.0001	14	-0 11 31.98	-0.183	20	0.29	56.601	17	36.3	29.47	17	36.3	G5		21	2800	A 0 2465
21		8.8A	7 8.350	-0.0013	13	-3 48 50.08	-0.005	13	0.28	8.372	16	33.2	49.99	16	33.2	G5		17	3553	A -3 2589
22		5.7T	7 8.810	-0.0016	04	-8 35 1.37	-0.015	03	0.17	8.877	09	09.2	0.69	09	04.7	G5		GC	12649	B* -8 2593
23		8.5A	7 8.987	0.0031	12	-8 25 19.47	-0.081	12	0.26	8.935	16	33.2	18.10	16	33.2	F8		16	3566	A -8 2592
24		8.8A	7 10.455	-0.0014	12	-7 58 38.09	0.005	12	0.26	10.479	16	33.2	38.17	16	33.2	K0		16	3568	A -7 2736
25		7.0A	7 14.872	-0.0019	12	-9 44 2.09	-0.031	12	0.26	14.904	16	33.2	1.56	16	33.2	K2		16	3569	A -9 2755
26		8.6A	7 17.740	-0.0018	12	-8 13 40.01	-0.006	12	0.26	17.771	16	33.2	39.91	16	33.2	K5		16	3570	A -7 2739
27		9.1A	7 23.869	-0.0006	12	-7 53 22.48	0.028	12	0.26	23.879	16	33.2	22.96	16	33.2	G5		16	3571	A -7 2740
28		8.8A	7 27.407	-0.0009	12	-8 21 56.21	-0.020	12	0.26	27.422	16	33.2	55.88	16	33.2	K5		16	3572	A -7 2741
29		8.8A	7 28.471	-0.0008	14	-0 52 12.01	-0.056	20	0.29	28.481	17	36.3	11.24	17	36.3	F5		21	2804	A -0 2140
30		9.0A	7 30.755	-0.0023	14	-1 18 52.23	-0.015	20	0.29	30.786	17	36.3	52.03	17	36.3	G5		21	2805	A -0 2141
31		9.0A	7 34.818	-0.0004	13	-4 23 42.82	-0.025	13	0.28	34.826	16	33.2	42.40	16	33.2	K0		17	3554	A -4 2559
32		9.3A	7 35.979	0.0006	13	-3 58 34.83	-0.031	13	0.28	35.970	16	33.2	34.30	16	33.2	K0		17	3555	A -3 2592
33		8.2A	7 43.570	-0.0014	14	-0 4 6.36	-0.003	20	0.29	43.589	17	36.3	6.32	17	36.3	K5		21	2806	A 0 2471
34		8.5A	7 46.685	-0.0018	12	-8 25 31.41	-0.007	12	0.26	46.716	16	33.2	31.30	16	33.2	A3		16	3573	A -8 2598
35		9.0A	7 49.777	0.0004	13	-4 17 14.59	-0.017	13	0.28	49.770	16	33.2	14.30	16	33.2	K2		17	3556	A -3 2593
36		7.5A	7 51.996	-0.0010	13	-5 57 18.78	-0.016	13	0.28	52.014	16	33.2	18.52	16	33.2	K0		17	3557	A -5 2738
37		9.0A	7 54.147	0.0010	13	-5 40 32.20	-0.008	13	0.28	54.130	16	33.1	32.07	16	33.1	F8	R	17	3559	A -5 2739
38		8.3A	7 55.011	-0.0040	13	-3 34 24.28	0.008	13	0.28	55.078	16	33.2	24.41	16	33.2	A2		17	3558	A -3 2594
39		7.7A	8 0.992	-0.0030	11	-3 13 18.39	-0.034	11	0.24	1.042	16	33.2	17.81	16	33.2	A2		17	3560	A -2 2805
40		9.2A	8 1.263	0.0006	12	-7 0 3.90	-0.054	12	0.26	1.253	16	33.1	2.99	16	33.1			16	3574	A -6 2830
41		9.1A	8 7.180	0.0004	13	-4 24 41.20	0.024	13	0.28	7.173	16	33.1	41.60	16	33.1	A2	R	17	3561	A -4 2560
42		9.0A	8 12.834	0.0015	14	-2 9 26.27	-0.068	20	0.29	12.813	17	36.3	25.34	17	36.3	A0		21	2808	A -1 2213
43		8.9A	8 20.710	-0.0012	12	-8 41 3.79	0.005	12	0.26	20.731	16	33.2	3.87	16	33.2	A3		16	3575	A -8 2600
44		8.2A	8 32.275	-0.0026	14	-1 20 38.45	-0.048	20	0.29	32.310	17	36.3	37.79	17	36.3	F8		21	2809	A -0 2143
45		9.0A	8 35.856	-0.0028	14	-0 8 53.24	-0.014	20	0.29	35.894	17	36.3	53.05	17	36.3	K2		21	2810	A 0 2476
46		9.1A	8 39.573	-0.0010	14	-2 19 24.13	-0.055	20	0.29	39.586	17	36.3	23.38	17	36.3	F2		21	2811	A -1 2216
47		9.0A	8 44.320	-0.0008	09	-3 42 59.23	-0.013	09	0.22	44.333	16	33.2	59.01	16	33.2	K0		17	3562	A -3 2600
48		8.5A	8 48.481	-0.0035	11	-8 41 36.79	-0.023	11	0.24	48.540	16	33.2	36.40	16	33.2	K2		16	3577	A -8 2601
49		8.3A	9 15.369	0.0008	13	-2 56 16.80	-0.030	13	0.28	15.356	16	33.2	16.29	16	33.2	K0		17	3564	A -2 2808
50		9.0A	9 19.208	-0.0008	14	-2 1 46.19	-0.035	20	0.29	19.219	17	36.3	45.71	17	36.3	K0		21	2813	A -1 2217
51		8.0B	9 9 23.039	0.0003	09	-6 46 25.25	0.001	07	0.42	23.025	14	98.2	25.30	14	96.2	M0		GC	12691	-6 2839
52		8.2A	9 24.337	-0.0010	14	-0 59 59.22	-0.008	20	0.29	24.350	17	36.3	59.11	17	36.3	K0	R	21	2814	A -0 2147
53		7.4A	9 30.766	-0.0020	13	-4 20 57.67	0.007	13	0.28	30.800	16	33.2	57.78	16	33.2	A3		17	3565	A -3 2604
54		8.9A	9 33.513	0.0014	12	-7 53 48.91	-0.010	12	0.26	33.489	16	33.2	48.74	16	33.2	G5		16	3579	A -7 2754
55		9.5A	9 36.307	-0.0009	12	-6 44 4.54	-0.008	12	0.26	36.322	16	33.2	4.41	16	33.2	A2		16	3580	A -6 2840
56		8.2A	9 51.916	-0.0014	11	-4 31 0.19	-0.010	11	0.24	51.940	16	33.2	0.02	16	33.2	K0		17	3567	A -4 2564
57		9.4A	9 52.294	-0.0009	12	-6 56 26.89	-0.004	12	0.26	52.310	16	33.1	26.83	16	33.1	G	R	16	3582	A -6 2842
58		9.2A	9 53.178	-0.0009	12	-6 56 29.96	-0.011	12	0.26	53.193	16	33.1	29.77	16	33.1	G	R	16	3583	A -6 2842
59		9.0A	9 55.382	-0.0044	11	-2 47 19.41	-0.049	11	0.24	55.456	16	33.2	18.58	16	33.2	G5		17	3568	A -2 2812
60		9.0A	9 56.130	-0.0084	11	-6 35 16.40	-0.007	11	0.24	56.171	16	33.2	16.29	16	33.2	F5		16	3584	A -6 2843
61		7.6B	9 57.020	-0.0003	09	-6 43 27.16	-0.008	07	0.43	57.036	14	00.2	26.74	14	96.5	K0		GC	12703K	-6 2844
62		6.0T	9 57.872	-0.0014	04	-6 54 13.73	0.015	04	0.25	57.950	12	95.5	14.63	10	90.5	A2		GC	12704	-6 2845
63		7.8A	10 3.318	-0.0002	13	-5 5 12.16	0.005	13	0.28	3.321	16	33.2	12.25	16	33.2	K2		17	3569	A -4 2565
64		9.4A	10 4.633	-0.0047	12	-9 49 1.14	-0.040	12	0.26	4.713	16	33.1	0.46	16	33.1	K0	R	16	3588	A -9 2766
65		7.5A	10 9.799	0.0010	13	-2 49 34.55	-0.039	13	0.28	9.782	16	33.2	33.89	16	33.2	K0		17	3570	A -2 2814
66		8.9A	10 14.469	-0.0007	14	-1 0 42.99	0.016	20	0.29	14.478	17	36.3	43.21	17	36.3	K2		21	2817	A -0 2152
67		8.8A	10 17.438	-0.0056	11	-8 43 31.42	-0.079	11	0.24	17.532	16	33.2	30.09	16	33.2	F8		16	3589	A -8 2608
68		8.5A	10 32.191	0.0007	12	-4 58 36.67	-0.014	12	0.26	32.180	16	33.2	36.43	16	33.2	K5		16	3571	A -4 2566
69		8.6A	10 33.039	-0.0004	12	-8 29 19.60	-0.030	12	0.26	33.046	16	33.2	19.10	16	33.2	K2		16	3590	A -8 2610
70		8.7A	10 34.796	-0.0058	12	-7 20 55.18	0.002	12	0.26	34.894	16	33.2	55.22	16	33.2	F8		16	3591	A -6 2850
71		9.0A	10 41.976	-0.0013	12	-4 27 32.83	0.008	12	0.26	41.998	16	33.2	32.96	16	33.2	K2		17	3572	A -4 2567
72		8.9A	10 48.188	-0.0027	12	-8 5 46.32	-0.018	12	0.26	48.234	16	33.2	46.01	16	33.2	K0		16	3593	A -7 2759
73		9.0A	10 55.010	-0.0039	12	-4 10 5.25	0.012	12	0.26	55.075	16	33.2	5.45	16	33.2	G0		17	3573	A -3 2611
74		9.0A	11 1.452	-0.0006	13	-5 36 44.23	-0.020	13	0.28	1.463	16	33.2	43.90	16	33.2	F5		17	3574	A -5 2751
75		9.2A	11 5.294	-0.0023	13	-3 44 3.78	-0.037	13	0.28	5.333	16	33.2	3.16	16	33.2	F8		17	3575	A -3 2612
76		8.9A	11 9.188	-0.0002	13	-3 41 26.12	-0.018	13	0.28	9.192	16	33.2	25.81	16	33.2	K0		17	3576	A -3 2614
77		9.0A	11 12.253	-0.0018	13	-4 5 42.01	-0.012	13	0.28	12.283	16	33.2	41.80	16	33.2	A3		17	3577	A -3 2617
78		8.3A	11 24.864	-0.0003	11	-6 38 54.95	-0.019	11	0.24	24.869	16	33.2	54.63	16	33.2	K0		16	3594	A -6 2855
79		8.9A	11 26.664	-0.0022	14	-1 53 57.37	-0.018	20	0.29	26.694	17	36.3	57.13	17	36.3	F2		21	2819	A -1 2224
80		8.8A	11 48.974	-0.0030	11	-4 7 50.21	0.013	11	0.24	49.024	16	33.2	50.42	16	33.2	A0		17	3578	A -3 2622
81		8.9A	11 51.290	-0.0023	12	-8 4 6.73	-0.045	12	0.26	51.329	16	33.2	5.98	16	33.2	F8		16	3595	A -7 2763
82		9.0A	11 58.227	-0.0056	13	-4 27 42.88	-0.010	13	0.28	58.321	16	33.2	42.71	16	33.2	G5		17	3579	A -4 2572
83		8.0A	12 2.219	-0.0022	13	-5 17 19.99	0.021	13	0.28	2.256	16	33.2	20.35	16	33.2	A0		17	3581	A -4 2573
84		9.0A	12 9.350	-0.0005	12	-6 35 9.79	-0.026	12	0.26	9.358	16	33.2	9.36	16	33.2	F0		16	3596	A -6 2857
85		9.0A	12 9.953	-0.0020	13	-6 12 25.12	0.009	13	0.28	9.986	16	33.2	25.28	16	33.2	K5		17	3582	A -5 2754
86		8.0B	12 13.972	-0.0009	10	-4 20 1.57	-0.097	09	0.48	14.016	15	01.4	56.78	15	00.7	K2		GC	12751	-3 2623
87		7.0T	12 19.370	-0.0004	07	-1 22 44.10	-0.014	06	0.40	19.393	14	92.5	43.24	14	88.2	A2		GC	12755	-0 2158
88		8.8A	12 23.151	0.0015	13	-2 52 25.57	-0.034	13	0.28	23.126	16	33.2	25.00	16	33.2	K0		17	3584	A -2 2826
89		9.1A	12 23.701	-0.0017	13	-6 26 29.82	0.013	13	0.28	23.730	16	33.1	30.05	16	33.1	K5	R	17	3585	A -6 2858
90		7.1T	12 26.134	0.0009	09	-8 32 58.65	-0.013	08	0.46	26.092	17	00.5	57.96	15	97.1	A0		GC	12757K	-8 2615
91		8.8A	12 28.477	-0.0013	11	-6 49 16.43	-0.018	11	0.24	28.500	16	33.2	16.13	16	33.2	K5		16	3599	A -6 2860
92		8.8A	12 34.728	-0.0029	13	-3 34 26.48	0.010	13	0.28	34.777	16	33.2	26.64	16	33.2	F0		17	3586	A -3 2625
93		8.5A	12 40.470	-0.0016	11	-3 45 33.99	-0.019	11	0.24	40.497	16	33.2	33.67	16	33.2	MC		17	3587	A -3 2628
94		9.0A	12 42.116	-0.0034	14	-2 9 22.91	-0.009	20	0.29	42.163	17	36.3	22.79	17	36.3	F5		21	2822	A -1 2228
95		9.1A	12 45.551	-0.0014	12	-9 54 9.98	-0.031	12	0.26	45.575	16	33.2	9.45	16	33.2	K0		16	3600	A -9 2777
96		7.9A	12 53.375	-0.0047	12	-8 51 11.34	-0.008	12	0.26	53.454	16	33.2	11.20	16	33.2	A3		16	3602	A -8 2618
97		9.4A	12 53.495	0.0004	12	-6 43 40.98	-0.027	12	0.26	53.489	16	33.2	40.53	16	33.2	K2		16	3601	A -6 2862
98		6.9T	12 55.056	0.0001	11	-8 16 26.22	-0.013	10	0.57	55.052	15	99.1	25.56	15	99.1	F0		GC	12770	-7 2766
99		9.4A	12 56.310	-0.0003	12	-7 47 14.07	-0.012	12	0.26	56.315	16	33.2	13.87	16	33.2	F5		16	3604	A -7 2767
00		8.9A	12 57.215	-0.0024	14	-0 24 43.30	-0.039	20	0.29	57.247	17	36.3	42.77	17	36.3	A5		21	2823	A -0 2161

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NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	EPOCH 1950 μ s	EPOCH 1950 σ_μ ″.001	EPOCH 1950 δ_{1950} ° ′ ″	EPOCH 1950 μ' ″	EPOCH 1950 σ'_μ ″.001	EPOCH 1950 σ_{1950} ″	ORIGINAL EPOCH α_2 s	ORIGINAL EPOCH σ ″.01	ORIGINAL EPOCH ep.	ORIGINAL EPOCH δ_2 ″	ORIGINAL EPOCH σ' ″.01	ORIGINAL EPOCH ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	DM NUMBER
1		8.7A	9 12 59.903	-0.0008	12	-7 38 4.89	-0.067	12	0.26	59.918	16	33.2	3.76	16	33.2	F2	16	3605	A -7 2768
2		8.6A	13 0.364	-0.0006	14	-0 8 44.56	-0.020	20	0.29	0.372	17	36.3	44.29	17	36.3	K2	21	2824	A 0 2490
3		9.0A	13 1.414	-0.0046	12	-5 29 29.50	0.004	12	0.26	1.491	16	33.2	29.57	16	33.2	K0	17	3588	A -5 2756
4		7.9B	13 6.098	-0.0002	09	-8 32 2.27	-0.025	07	0.43	6.109	17	03.1	0.99	15	99.0	A2	GC	12775	-8 2619
5		8.8A	13 10.486	-0.0104	14	-1 1 54.40	-0.078	20	0.29	10.628	17	36.3	53.33	17	36.3	G5	21	2826	A -0 2164
6		8.6A	13 13.103	-0.0032	14	-1 9 8.64	-0.046	20	0.29	13.146	17	36.3	8.01	17	36.3	K2	21	2827	A -0 2165
7		8.5A	13 14.936	-0.0016	13	-5 12 30.41	-0.007	13	0.28	14.962	16	33.2	30.30	16	33.2	K5	17	3589	A -4 2576
8		9.6A	13 23.890	-0.0017	12	-9 52 19.07	0.011	12	0.26	23.918	16	33.1	19.25	16	33.1	F2	R 16	3608	A -9 2781
9		8.9A	13 25.415	-0.0014	13	-4 39 24.52	-0.023	13	0.28	25.439	16	33.2	24.13	16	33.2	K0	17	3590	A -4 2579
10		9.0A	13 31.546	-0.0024	14	-1 37 23.20	-0.023	20	0.29	31.578	17	36.3	22.89	17	36.3	A5	21	2828	A -1 2230
11		8.7A	13 35.009	-0.0021	14	-0 45 20.78	-0.033	20	0.29	35.037	17	36.3	20.33	17	36.3	K0	21	2829	A -0 2166
12		8.5A	13 38.321	-0.0003	13	-4 39 28.01	-0.001	13	0.28	38.326	16	33.2	27.99	16	33.2	K0	17	3591	A -4 2580
13		9.4A	13 43.675	-0.0011	13	-6 28 29.77	-0.001	13	0.28	43.694	16	33.1	29.76	16	33.1	K0	R 17	3592	A -6 2868
14		9.0A	13 46.089	-0.0022	13	-5 39 59.01	-0.005	13	0.28	46.126	16	33.2	58.93	16	33.2	F2	17	3593	A -5 2759
15		8.0A	13 47.732	-0.0059	11	-4 19 26.10	-0.010	11	0.24	47.831	16	33.2	25.93	16	33.2	K0	17	3594	A -3 2635
16		8.8A	13 48.086	-0.0024	14	-1 1 28.06	-0.010	20	0.29	48.119	17	36.3	27.92	17	36.3	K2	21	2830	A -0 2167
17		8.7A	13 49.613	0.0005	12	-8 52 9.24	0.020	12	0.26	49.605	16	33.2	9.57	16	33.2	K0	16	3612	A -8 2622
18		9.4A	13 53.309	0.0002	11	-6 44 13.39	-0.023	11	0.24	53.306	16	33.1	13.01	16	33.1	G0	R 16	3613	A -6 2869
19		9.1A	13 53.980	0.0020	12	-5 47 55.43	-0.016	12	0.26	53.946	16	33.2	55.17	16	33.2	F5	17	3595	A -5 2761
20		8.0A	13 55.989	-0.0079	13	-4 11 41.63	-0.034	13	0.28	56.122	16	33.2	41.05	16	33.2	K2	17	3596	A -3 2636
21		8.3A	14 3.222	-0.0014	13	-2 28 56.99	-0.057	13	0.28	3.245	16	33.2	56.03	16	33.2	K0	17	3597	A -2 2829
22		9.2A	14 3.514	-0.0005	12	-9 46 19.62	-0.046	12	0.26	3.322	16	33.1	18.84	16	33.1	G5	R 16	3614	A -9 2785
23		9.0A	14 4.018	-0.0068	14	-1 57 51.10	-0.065	20	0.29	4.111	17	36.3	50.21	17	36.3	K0	21	2833	A -1 2231
24		9.0A	14 9.230	-0.0036	14	-1 55 21.65	-0.033	20	0.29	9.280	17	36.3	21.20	17	36.3	K0	21	2834	A -1 2233
25		5.4T	14 12.717	0.0011	03	-6 8 36.69	0.002	03	0.14	12.674	06	09.5	36.78	06	07.9	K0	GC	12800	B* -5 2762
26		8.9A	14 14.109	-0.0026	14	-0 37 3.95	-0.023	20	0.29	14.144	17	36.3	3.64	17	36.3	F8	21	2835	A -0 2169
27		8.5A	14 14.232	-0.0018	13	-6 30 21.04	-0.047	13	0.28	14.263	16	33.2	20.25	16	33.2	K2	17	3599	A -6 2872
28		5.5T	14 14.336	-0.0017	04	-8 32 6.30	-0.001	03	0.22	14.425	10	98.7	6.25	10	98.6	B9	GC	12802	B* -8 2623
29		9.0A	14 21.919	-0.0035	12	-3 59 37.98	-0.027	12	0.26	21.977	16	33.2	37.52	16	33.2	A3	17	3600	A -3 2641
30		9.0A	14 31.377	-0.0013	13	-3 19 0.64	-0.025	13	0.28	31.399	16	33.2	0.21	16	33.2	K0	17	3601	A -2 2830
31		7.7A	14 33.460	-0.0019	12	-9 24 41.32	-0.058	12	0.26	33.492	16	33.2	40.34	16	33.2	K0	16	3617	A -9 2788
32		8.9A	14 37.177	-0.0003	12	-9 1 15.52	-0.019	12	0.26	37.183	16	33.2	15.20	16	33.2	A0	16	3618	A -8 2625
33		9.0A	14 38.804	-0.0014	12	-3 20 4.75	-0.030	12	0.26	38.828	16	33.2	4.24	16	33.2	K2	17	3602	A -2 2833
34		9.5A	14 42.501	-0.0031	09	-6 30 5.94	-0.017	09	0.22	42.554	16	33.1	5.66	16	33.1	G5	R 17	3603	A -6 2874
35		9.0A	14 47.059	-0.0028	14	-2 22 12.25	-0.023	20	0.29	47.097	17	36.3	11.94	17	36.3	A3	21	2837	A -1 2234
36		9.0A	14 52.555	-0.0006	11	-5 11 13.55	-0.019	11	0.24	52.565	16	33.2	13.24	16	33.2	K2	17	3604	A -4 2586
37		8.6A	15 7.972	-0.0005	11	-7 15 9.34	-0.021	11	0.24	7.980	16	33.2	8.99	16	33.2	B9	16	3621	A -6 2875
38		8.7A	15 13.719	-0.0010	11	-5 21 30.71	0.001	11	0.24	13.737	16	33.2	30.73	16	33.2	K5	17	3605	A -4 2587
39		9.1A	15 22.619	-0.0042	09	-5 59 18.53	-0.043	09	0.22	22.690	16	33.2	17.81	16	33.2	K0	17	3607	A -5 2766
40		8.2B	15 24.099	0.0026	10	-3 10 32.76	-0.076	07	0.45	23.979	18	03.9	28.75	17	97.4	K0	GC	12829	-2 2638
41		8.2A	15 39.264	-0.0014	14	-0 23 50.14	-0.033	20	0.29	39.282	17	36.3	49.69	17	36.3	K5	21	2841	A -0 2174
42		9.1A	15 41.451	-0.0005	12	-7 16 5.28	0.001	12	0.26	41.460	16	33.2	5.29	16	33.2	K0	16	3622	A -6 2877
43		9.1A	15 47.536	-0.0003	11	-9 15 36.49	-0.008	11	0.24	47.542	16	33.2	36.35	16	33.2	A5	16	3624	A -8 2629
44		9.5A	15 47.911	-0.0026	11	-7 11 4.99	0.006	11	0.24	47.955	16	33.1	5.09	16	33.1	F2	R 16	3623	A -6 2880
45		9.0A	15 49.482	-0.0027	14	-1 47 19.19	0.004	20	0.29	49.519	17	36.3	19.25	17	36.3	K5	21	2842	A -1 2237
46		8.5A	15 54.543	-0.0021	11	-4 41 13.10	-0.002	11	0.24	54.579	16	33.2	13.06	16	33.2	A0	17	3608	A -4 2590
47		8.2A	15 55.297	-0.0008	11	-8 40 18.91	-0.026	11	0.24	55.310	16	33.2	18.47	16	33.2	A2	16	3625	A -8 2631
48		9.2A	16 2.083	-0.0002	11	-6 59 50.64	-0.007	11	0.24	2.087	16	33.1	50.53	16	33.1	K0	R 16	3626	A -6 2882
49		8.8A	16 19.327	-0.0002	11	-2 56 3.53	-0.017	11	0.24	19.331	16	33.2	3.24	16	33.2	F5	17	3609	A -2 2840
50		7.7A	16 35.664	-0.0018	14	-2 14 46.77	-0.030	20	0.29	35.689	17	36.3	46.36	17	36.3	A3	21	2844	A -1 2240
51		9.0A	9 16 38.359	-0.0014	09	-6 17 46.48	0.009	09	0.22	38.382	16	33.2	46.64	16	33.2	G5	17	3611	A -5 2772
52		9.0A	16 39.468	-0.0009	13	-4 14 21.14	0.013	13	0.28	39.484	16	33.2	21.35	16	33.2	G0	17	3610	A -3 2650
53		8.7A	16 41.692	-0.0047	13	-5 6 41.98	-0.039	13	0.28	41.772	16	33.2	41.33	16	33.2	G0	17	3612	A -4 2594
54		9.0A	16 53.720	-0.0030	11	-9 19 58.27	0.001	11	0.24	53.770	16	33.2	58.29	16	33.2	F8	16	3629K	A -8 2638
55		8.3A	16 55.181	-0.0022	11	-8 8 32.05	0.009	12	0.25	55.219	16	33.2	32.21	16	33.2	F5	16	3630	A -7 2778
56		9.0A	16 59.349	-0.0029	12	-3 29 37.75	0.014	12	0.26	59.398	16	33.2	37.98	16	33.2	F0	17	3613	A -3 2653
57		8.5A	17 0.965	-0.0014	13	-4 8 34.23	-0.013	13	0.28	0.989	16	33.2	34.01	16	33.2	A2	17	3614	A -3 2654
58		9.2A	17 7.508	0.0001	12	-7 41 25.39	0.008	12	0.26	7.507	16	33.2	25.53	16	33.2	F8	16	3631	A -7 2779
59		8.5A	17 9.160	-0.0021	13	-4 19 42.52	-0.072	13	0.28	9.196	16	33.2	41.30	16	33.2	G5	17	3615	A -3 2655
60		9.0A	17 10.989	-0.0014	12	-3 58 26.36	-0.026	12	0.26	11.013	16	33.2	25.92	16	33.2	K2	17	3616	A -3 2656
61		8.0A	17 18.946	-0.0010	13	-5 46 47.07	-0.025	13	0.28	18.963	16	33.2	46.66	16	33.2	K5	17	3617	A -5 2774
62		8.5A	17 24.636	-0.0013	14	-0 26 17.12	-0.019	20	0.29	24.654	17	36.3	16.86	17	36.3	K0	21	2845	A -0 2178
63		9.0A	17 24.828	-0.0006	14	-1 55 12.82	-0.027	20	0.29	24.837	17	36.3	12.45	17	36.3	F8	21	2846	A -1 2241
64		9.0A	17 33.243	-0.0013	14	-1 46 16.57	-0.009	20	0.29	33.261	17	36.3	18.45	17	36.3	A2	21	2847	A -1 2242
65		8.8A	17 49.931	-0.0005	13	-4 23 20.14	-0.030	13	0.28	49.940	16	33.2	19.63	16	33.2	K0	17	3618	A -3 2658
66		9.1A	17 51.987	-0.0015	11	-5 46 33.78	0.007	11	0.24	52.013	16	33.2	33.90	16	33.2	F0	17	3619	A -5 2777
67		6.9T	17 54.513	-0.0018	05	-9 23 49.89	-0.034	04	0.25	54.590	12	08.0	48.23	12	01.1	F2	GC	12877K	-9 2801
68		5.0T	18 2.492	-0.0013	04	-9 20 33.63	-0.034	03	0.18	2.550	09	06.7	31.90	09	99.2	G5	GC	12881K	B* -8 2643
69		8.6A	18 5.776	-0.0011	11	-8 40 27.52	-0.019	11	0.24	5.795	16	33.2	27.20	16	33.2	K0	16	3638	A -8 2644
70		8.2A	18 7.943	-0.0029	13	-4 54 23.79	-0.005	13	0.28	7.992	16	33.2	23.70	16	33.2	MA	17	3620	A -4 2596
71		8.9A	18 11.758	-0.0095	12	-7 29 8.63	-0.005	12	0.26	11.918	16	33.2	8.55	16	33.2	K0	16	3639K	A -7 2784
72		8.9A	18 16.085	-0.0237	11	-5 32 22.15	-0.119	11	0.24	16.485	16	33.2	20.15	16	33.2	K2	17	3621	A -5 2778
73		7.5A	18 16.831	-0.0091	12	-7 31 1.06	-0.026	12	0.26	16.985	16	33.2	0.62	16	33.2	F8	16	3640	A -7 2785
74		8.8A	18 28.905	-0.0002	11	-2 45 24.06	-0.040	11	0.24	28.909	16	33.2	23.40	16	33.2	F2	17	3622	A -2 2851
75		8.8A	18 30.085	-0.0038	12	-3 20 8.23	0.090	12	0.26	30.150	16	33.2	9.74	16	33.2	F5	17	3623	A -2 2852
76		8.8A	18 32.458	-0.0007	09	-2 35 25.62	-0.033	09	0.22	32.470	16	33.2	25.06	16	33.2	K0	17	3624	A -2 2853
77		9.0A	18 35.520	-0.0026	14	-0 25 55.81	-0.018	20	0.29	35.556	17	36.3	55.57	17	36.3	F5	21	2852	A -0 2183
78		8.8A	18 53.584	-0.0013	12	-4 2 0.67	0.008	12	0.26	53.606	16	33.2	0.80	16	33.2	G0	17	3625	A -3 2660
79		8.5A	18 54.205	-0.0041	13	-6 27 34.02	0.031	13	0.28	54.274	16	33.2	34.55	16	33.2	G5	17	3626	A -6 2891
80		9.1A	18 56.862	-0.0016	14	-2 14 3.11	-0.020	20	0.29	56.884	17	36.3	2.84	17	36.3	G0	21	2853	A -1 2244
81		8.8A	19 10.609	-0.0011	12	-8 47 49.65	-0.003	12	0.26	10.627	16	33.2	49.60	16	33.2	K5	16	3642	A -8 2647
82		8.3A	19 11.018	-0.0006	13	-4 19 2.36	-0.014	13	0.28	11.028	16	33.2	2.12	16	33.2	K2	17	3627	A -3 2661
83		8.8A	19 12.333	-0.0008	13	-3 19 0.44	0.008	13	0.28	12.347	16	33.2	0.57	16	33.2	A0	17	3628	A -2 2860
84		7.1T	19 13.081	-0.0020	09	-2 34 45.59	-0.017	09	0.50	13.165	14	97.9	44.72	14	99.3	B9	GC	12914	-2 2859
85		9.1A	19 14.364	-0.0018	11	-8 26 55.65	-0.006	11	0.24	14.395	16	33.2	55.55	16	33.2	F8	16	3643	A -8 2649
86		8.1T	19 23.565	-0.0012	12	-2 35 33.01	-0.007	12	0.60	23.622	17	02.2	32.66	17	01.1	K2	GC	12921	-2 2863
87		8.6A	19 25.061	-0.0019	11	-8 11 47.33	-0.011	11	0.24	25.093	16	33.2	47.15	16	33.2	K2	16	3644	A -7 2789
88		8.8A	19 31.634	-0.0026	12	-7 45 33.51	-0.033	12	0.26	31.677	16	33.2	32.96	16	33.2	F8	16	3646	A -7 2790
89		8.1A	19 36.803	-0.0023	14	-0 12 43.59	-0.023	20	0.29	36.834	17	36.3	43.28	17	36.3	G5	21	2854	A 0 2504
90		8.3A	19 37.357	-0.0018	12	-9 41 27.32	-0.013	12	0.26	37.388	16	33.2	27.10	16	33.2	A2	16	3647	A -9 2809
91		9.2A	19 47.676	0.0001	12	-6 20 45.97	0.010	12	0.26	47.675	16	33.2	46.15	16	33.2	F0	16	3648	A -5 2781
92		7.5A	19 53.866	-0.0033	13	-5 50 47.90	-0.005	13	0.28	53.921	16	33.2	47.82	16	33.2	A2	17	3631	A -5 2782
93		8.9A	19 59.021	-0.0008	14	-0 51 41.50	-0.033	20	0.29	59.031	17	36.3	41.05	17	36.3	A0	21	2855	A -0 2184
94		9.0A	20 3.124	-0.0024	14	-2 20 58.97	0.004	20	0.29	3.156	17	36.3	59.03	17	36.3	K0	21	2856	A -1 2249
95		8.2A	20 4.725	0.0001	11	-8 14 59.68	-0.064	11	0.24	4.723	16	33.2	58.61	16	33.2	F2	16	3649	A -7 2791
96		9.1A	20 8.503	-0.0052	13	-3 17 50.23	-0.014	13	0.28	8.590	16	33.2	49.99	16	33.2	K0	17	3633	A -2 2870
97		7.5A	20 20.580	-0.0006	11	-4 49 29.99	0.004	11	0.24	20.590	16	33.2	30.06	16	33.2	K0	17	3634	A -4 2602
98		8.3A	20 22.411	0.0012	09	-4 38 23.41	-0.016	09	0.22	22.392	16	33.2	23.14	16	33.2	F0	17	3635	A -4 2603
99		6.5T	20 24.508	-0.0022	06	-9 37 26.97	-0.026	05	0.26	24.593	12	11.3	25.86	12	07.3	A2	GC	12936K	B* -9 2816
00		8.7A	20 25.266	0.0011	11	-7 25 19.27	0.010	11	0.24	25.247	16	33.2	19.43	16	33.2	F5	16	3651	A -7 2792

136800 — EPOCH 1950 — ORIGINAL EPOCH — SOURCE — −00 9H

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	α_{1950} h m s	μ s	σ_μ .001"	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ .001"	σ_{1950} ″	α_2 s	σ .01"	ep.	δ_2 ″	σ' .01"	ep.	SP.		SOURCE CAT.	SOURCE STAR NUMBER	DM NUMBER
1		9.0A	9 20 26.977	-0.0028	13	-6 22 47.35	-0.016	13	0.28	27.024	16	33.1	47.09	16	33.1	F8	R	17	3636	A -5 2784
2		7.8A	20 40.436	-0.0021	11	-7 29 55.35	0.004	11	0.24	40.472	16	33.2	55.42	16	33.2	K0		16	3654	A -7 2795
3		9.4A	20 43.526	0.0020	11	-2 25 11.11	-0.027	11	0.24	43.493	16	33.1	10.65	16	33.1	K2	R	17	3637	A -2 2871
4		9.0A	20 51.434	0.0007	11	-5 43 12.77	-0.027	11	0.24	51.422	16	33.2	12.32	16	33.2	F5		17	3638	A -5 2785
5		8.4A	20 55.690	-0.0015	09	-7 27 23.59	0.017	09	0.22	55.716	16	33.2	23.87	16	33.2	K2		16	3655	A -7 2798
6		7.7T	21 24.957	-0.0022	11	-5 8 45.29	0.011	09	0.53	25.073	15	97.8	45.90	15	97.0	K2		GC	12960	-4 2608
7		8.7A	21 26.501	-0.0012	11	-4 19 6.42	-0.009	11	0.24	26.521	16	33.2	6.27	16	33.2	K2		17	3640	A -3 2667
8		9.4A	21 29.764	-0.0001	11	-8 50 43.56	-0.003	11	0.24	29.766	16	33.1	43.51	16	33.1	K2	R	16	3656	A -8 2863
9		7.2T	21 30.975	-0.0005	12	-5 15 2.88	0.022	11	0.65	31.004	15	95.4	4.10	15	95.5	K5		GC	12965	-4 2609
10		8.6A	21 32.939	-0.0006	12	-5 18 56.94	-0.016	12	0.26	32.949	16	33.2	56.68	16	33.2	F8		17	3642	A -4 2610
11		8.5A	21 34.515	0.0006	13	-5 5 33.06	0.012	13	0.28	34.504	16	33.2	33.27	16	33.2	K0		17	3643	A -4 2611
12		8.8A	21 36.662	-0.0012	13	-4 49 8.92	0.007	13	0.28	36.683	16	33.2	9.03	16	33.2	K0		17	3644	A -4 2612
13		9.2A	21 54.240	0.0001	11	-9 13 42.16	-0.001	11	0.24	54.239	16	33.1	42.14	16	33.1	G0	R	16	3657	A -8 2865
14		8.6A	21 55.554	-0.0011	13	-5 53 1.20	-0.003	13	0.28	55.573	16	33.2	1.16	16	33.2	K2		17	3645	A -5 2788
15		9.0A	21 57.911	0.0004	12	-9 11 50.12	-0.002	12	0.26	57.904	16	33.2	50.08	16	33.2	G0		16	3658	A -8 2866
16		8.5A	22 1.213	-0.0003	12	-6 40 14.33	-0.040	12	0.26	1.218	16	33.2	13.66	16	33.2	K2		16	3659	A -6 2899
17		9.0A	22 2.491	-0.0064	14	-0 15 40.92	-0.023	20	0.29	2.579	17	36.3	40.61	17	36.3	G5		21	2860	A 0 2509
18		8.9A	22 12.355	0.0019	13	-5 46 9.76	-0.009	13	0.28	12.323	16	33.2	9.62	16	33.2	F8		17	3646	A -5 2789
19		8.8A	22 16.192	-0.0022	11	-7 58 41.44	-0.005	11	0.24	16.228	16	33.2	41.36	16	33.2	A2		16	3660	A -7 2803
20		9.1A	22 20.249	0.0001	12	-6 38 33.47	0.000	12	0.26	20.247	16	33.1	33.48	16	33.1	K5	R	16	3661	A -6 2901
21		6.9T	22 22.588	-0.0017	10	-4 3 58.94	-0.058	10	0.56	22.678	15	97.5	55.85	17	97.1	F5		GC	12985	-3 2672
22		9.0A	22 23.005	-0.0029	13	-4 51 8.63	-0.005	13	0.28	23.054	16	33.2	8.54	16	33.2	F8		17	3648	A -4 2814
23		8.4A	22 23.195	-0.0003	11	-5 47 34.92	0.000	11	0.24	23.200	16	33.2	34.93	16	33.2	MA		17	3649	A -5 2790
24		9.0A	22 36.642	-0.0013	14	-0 12 53.33	-0.023	20	0.29	36.660	17	36.3	53.02	17	36.3	K2		21	2863	A 0 2511
25		8.9A	22 45.068	-0.0011	13	-2 26 38.05	-0.014	13	0.28	45.107	16	33.2	37.81	16	33.2	K0		17	3650	A -2 2876
26		8.0A	22 45.533	-0.0042	14	-0 37 15.15	-0.007	20	0.29	45.590	17	36.3	15.06	17	36.3	A2		21	2864	A -0 2190
27		9.1A	22 45.634	0.0007	12	-8 51 44.21	0.005	12	0.26	45.642	16	33.1	44.29	16	33.1	G0	R	16	3663	A -8 2868
28		9.0A	22 46.976	-0.0015	12	-8 53 48.21	0.027	12	0.26	47.002	16	33.2	48.66	16	33.2	F8		16	3664	A -8 2869
29		9.3A	22 48.074	-0.0039	12	-5 33 14.48	0.005	12	0.26	48.139	16	33.1	14.57	16	33.1	F2	R	17	3651	A -5 2792
30		8.8A	22 48.168	0.0076	12	-9 37 55.15	-0.159	11	0.25	48.040	16	33.2	52.47	16	33.2	K0		16	3665	A -9 2826
31		9.0A	22 51.206	-0.0028	11	-9 59 3.18	-0.006	11	0.24	51.254	16	33.2	3.08	16	33.2	A2		16	3666	A -9 2827
32		5.8M	22 54.006	-0.0011	02	-4 54 3.23	-0.015	02	0.06	54.042	03	18.0	2.78	03	19.1	K5		F4	1245	-4 2816
33		7.9M	22 58.030	-0.0027	09	-6 11 15.78	-0.015	07	0.45	58.165	14	00.5	15.01	15	97.9	A3		GC	12994	-5 2794
34		8.2A	22 59.815	-0.0014	13	-3 11 52.39	-0.004	13	0.28	59.840	16	33.2	52.32	16	33.2	K0		17	3653	A -2 2877
35		8.2A	23 6.456	-0.0016	13	-5 39 37.00	0.008	13	0.28	6.484	16	33.2	37.14	16	33.2	F5		17	3655	A -5 2795
36		8.9A	23 7.823	-0.0003	12	-9 40 44.98	-0.033	12	0.26	7.827	16	33.2	44.42	16	33.2	F0		16	3667	A -9 2828
37		8.9A	23 11.555	-0.0008	12	-9 35 39.18	-0.010	12	0.26	11.569	16	33.1	39.01	16	33.1	K2	R	16	3668	A -9 2829
38		8.9A	23 16.520	-0.0017	14	-0 32 30.35	-0.023	20	0.29	16.543	17	36.3	30.04	17	36.3	A5		21	2867	A -0 2192
39		9.2A	23 21.830	-0.0004	12	-7 14 39.16	-0.026	12	0.26	21.837	16	33.1	38.72	16	33.1	G5	R	16	3669	A -6 2903
40		6.8T	23 31.014	-0.0001	09	-1 1 4.59	-0.011	10	0.52	31.019	14	97.7	4.01	12	97.3	K0		GC	12999	-0 2193
41		9.2A	23 31.815	-0.0001	12	-7 14 59.36	-0.004	12	0.26	31.816	16	33.1	59.30	16	33.1	M0	R	16	3671	A -6 2904
42		9.0A	23 35.126	0.0016	12	-6 27 28.62	-0.157	12	0.26	35.098	16	33.1	25.97	16	33.1	G5	R	17	3656	A -6 2905
43		9.2A	23 42.672	-0.0021	12	-4 44 44.22	-0.003	12	0.26	42.708	16	33.1	44.17	16	33.1	K2	R	17	3657	A -4 2821
44		6.1T	23 49.545	-0.0003	05	-1 14 48.31	-0.007	05	0.25	49.558	10	05.6	47.98	10	02.5	K0		GC	13010	-0 2195
45		8.2A	23 53.110	0.0005	13	-4 30 5.82	-0.002	13	0.28	53.102	16	33.2	5.78	16	33.2	K5		17	3658	A -4 2622
46		8.9A	23 57.323	0.0004	11	-8 22 57.60	-0.034	11	0.24	57.316	16	33.2	57.02	16	33.2	F5		16	3673	A -7 2806
47		9.2A	24 0.018	-0.0001	12	-9 51 19.11	-0.024	12	0.26	0.019	16	33.1	18.70	16	33.1	A2	R	16	3675	A -9 2834
48		8.5A	24 0.587	-0.0017	14	-0 42 48.43	-0.008	20	0.29	0.610	17	36.3	48.32	17	36.3	K0		21	2872	A -0 2197
49		8.7A	24 1.745	-0.0001	12	-7 24 34.51	0.001	12	0.26	1.746	16	33.2	34.53	16	33.2	K0		16	3674	A -7 2807
50		9.0A	24 8.659	-0.0018	13	-3 8 51.87	-0.000	13	0.28	8.690	16	33.1	51.87	16	33.1	K0	R	17	3659	A -2 2883
51		9.0A	9 24 15.423	0.0001	11	-7 50 58.51	-0.015	11	0.24	15.421	16	33.1	58.26	16	33.1	K5	R	16	3676	A -7 2808
52		8.8A	24 16.596	-0.0078	12	-9 51 51.95	0.040	12	0.26	16.727	16	33.2	52.62	16	33.2	G5		16	3677	A -9 2835
53		8.5A	24 16.738	-0.0017	14	-1 32 49.72	-0.028	20	0.29	16.761	17	36.3	49.34	17	36.3	K0		21	2873	A -1 2260
54		8.6A	24 18.499	-0.0013	14	-2 17 7.53	-0.038	20	0.29	18.517	17	36.3	7.01	17	36.3	K0		21	2874	A -1 2261
55		9.2A	24 18.634	0.0004	15	-5 14 9.64	-0.057	15	0.30	18.628	16	33.1	8.68	16	33.1	G0	R	17	3661	A -4 2624
56		8.6A	24 20.921	-0.0041	13	-3 1 37.73	-0.048	13	0.28	20.990	16	33.2	36.92	16	33.2	G5		17	3662K	A -2 2885
57		9.1A	24 30.594	-0.0009	12	-7 17 23.22	-0.041	11	0.25	30.609	16	33.2	22.53	16	33.2	K0		16	3678	A -6 2912
58		9.1A	24 36.645	-0.0018	13	-4 52 31.37	0.003	13	0.28	36.675	16	33.1	31.42	16	33.1	MA	R	17	3663	A -4 2625
59		8.2A	24 38.420	-0.0014	13	-4 32 14.55	0.001	13	0.28	38.445	16	33.2	14.56	16	33.2	A0		17	3664	A -4 2627
60		9.2A	24 40.495	-0.0021	17	-2 38 17.97	-0.013	17	0.32	40.531	16	33.1	17.75	16	33.1	F2	R	17	3665	A -2 2889
61		6.5T	24 47.584	-0.0023	05	-9 0 20.86	-0.004	04	0.25	47.691	12	04.2	20.65	12	97.6	A0		GC	13039K	B* -8 2678
62		9.2A	24 48.409	-0.0011	12	-7 49 3.40	0.002	12	0.26	48.429	16	33.2	3.44	16	33.2	A0		16	3679	A -7 2810
63		9.0A	24 49.412	-0.0015	12	-2 39 11.63	-0.020	12	0.26	49.438	16	33.1	11.29	16	33.1	K2	R	17	3666	A -2 2891
64		8.3A	24 53.845	-0.0012	13	-4 20 36.06	0.016	13	0.28	53.865	16	33.2	38.35	16	33.2	A2		17	3667	A -3 2684
65		9.0A	24 54.874	-0.0029	13	-6 25 52.43	-0.015	13	0.28	54.922	16	33.1	52.19	16	33.1	K0	R	17	3668	A -6 2913
66		8.4A	24 56.171	-0.0006	13	-5 13 12.59	0.012	13	0.28	56.182	16	33.2	12.80	16	33.2	A0		17	3669	A -4 2628
67		7.5A	25 1.407	0.0005	13	-3 34 48.17	0.011	13	0.28	1.399	16	33.2	48.35	16	33.2	G0		17	3670	A -3 2685
68		9.3A	25 2.550	-0.0018	12	-7 32 46.09	0.016	12	0.26	2.581	16	33.1	46.36	16	33.1	K0	R	16	3682	A -7 2811
69		9.0A	25 3.339	-0.0028	14	-0 6 56.35	-0.004	20	0.29	3.377	17	36.3	56.30	17	36.3	K0		21	2875	A 0 2520
70		9.5A	25 4.058	-0.0056	13	-2 28 18.35	-0.022	13	0.28	4.153	16	33.1	17.97	16	33.1	G0	R	17	3671	A -2 2892
71		2.2H	25 7.791	-0.0012	01	-8 26 27.47	0.028	01	0.03	7.843	02	06.3	28.75	02	03.4	K2		F4	354	-8 2680
72		5.4T	25 18.141	-0.0153	04	-5 51 6.51	-0.079	03	0.21	18.955	09	96.9	2.14	07	94.5	G0		GC	13048	B* -5 2802
73		8.5A	25 22.524	-0.0014	12	-7 8 16.60	-0.011	12	0.26	22.548	16	33.2	16.42	16	33.2	A3		16	3684	A -6 2917
74		8.7A	25 23.628	-0.0014	13	-5 16 26.71	-0.030	13	0.28	23.649	16	33.2	26.21	16	33.2	F5		17	3673	A -4 2629
75		7.6A	25 23.959	-0.0022	12	-9 34 41.95	-0.023	12	0.26	23.996	16	33.2	41.56	16	33.2	K0		16	3685	A -9 2840
76		9.2A	25 28.980	-0.0030	12	-8 45 13.29	-0.130	12	0.26	29.031	16	33.1	11.09	16	33.1	G0	R	16	3686	A -8 2683
77		8.5A	25 29.779	-0.0006	13	-5 27 8.01	0.000	13	0.28	29.790	16	33.2	8.02	16	33.2	K2		17	3674	A -5 2803
78		7.2T	25 39.847	-0.0041	16	-9 48 21.21	0.002	16	0.87	40.063	21	97.7	21.32	21	96.5	K0		GC	13057	-9 2841
79		9.0A	25 42.840	0.0014	13	-5 15 4.91	-0.041	13	0.28	42.816	16	33.2	4.22	16	33.2	F8		17	3675	A -4 2632
80		7.0A	25 45.047	0.0002	12	-7 30 6.73	0.013	12	0.26	45.044	16	33.2	6.95	16	33.2	MA		16	3688	A -7 2813
81		9.0A	25 48.830	0.0004	14	-1 53 35.08	-0.016	20	0.29	48.824	17	36.3	34.87	17	36.3	G	R	21	2876	A -1 2265
82		8.3A	25 52.438	0.0001	12	-7 52 11.06	-0.004	12	0.26	52.437	16	33.2	11.00	16	33.2	A0		16	3689K	A -7 2814
83		6.9T	25 53.934	-0.0000	09	-9 46 5.85	-0.023	06	0.44	53.936	18	98.6	4.49	15	91.0	K0		GC	13067K	-9 2843
84		8.0A	25 58.275	-0.0003	12	-8 58 39.12	-0.025	12	0.26	58.281	16	33.2	38.70	16	33.2	K0		16	3692	A -8 2686
85		9.0A	26 5.218	0.0011	12	-9 11 24.77	-0.024	12	0.26	5.199	16	33.2	24.56	16	33.2	K0		16	3693	A -8 2687
86		9.0A	26 13.255	-0.0008	13	-2 55 6.81	0.018	13	0.28	13.286	16	33.1	7.11	16	33.1	G5	R	17	3676	A -2 2898
87		9.3A	26 13.882	0.0008	12	-5 21 16.59	0.010	12	0.26	13.871	16	33.1	16.76	16	33.1	K2	R	17	3677	A -4 2634
88		9.2A	26 17.065	0.0012	13	-5 16 29.71	-0.061	13	0.28	17.045	16	33.1	28.69	16	33.1	G0	R	17	3678	A -4 2635
89		8.0A	26 22.146	-0.0009	12	-8 19 6.32	-0.026	12	0.26	22.161	16	33.1	7.88	16	33.1	M2	R	16	3695	A -7 2816
90		9.0A	26 23.056	0.0080	13	-4 49 47.30	-0.074	13	0.28	22.955	16	33.1	46.05	16	33.1	G0	R	17	3679	A -4 2636
91		8.8A	26 25.193	-0.0004	13	-3 41 11.41	0.014	13	0.28	25.201	16	33.1	11.65	16	33.1	A5	R	17	3680	A -3 2689
92		7.8A	26 27.878	-0.0030	12	-8 14 56.66	-0.009	12	0.26	27.929	16	33.2	56.51	16	33.2	K0		16	3696	A -7 2819
93		9.0A	26 28.874	-0.0014	12	-7 53 32.81	0.001	12	0.26	28.898	16	33.1	32.83	16	33.1	K0	R	16	3697	A -7 2818
94		6.3T	26 29.564	-0.0051	09	-1 2 15.68	-0.003	10	0.48	29.823	14	99.1	15.74	14	01.5	A5		GC	13078K	B* -0 2201
95		4.8T	26 36.618	0.0084	04	-2 32 58.04	-0.018	03	0.16	36.257	06	07.0	57.22	06	04.8	F5		GC	13080	B* -2 2901
96		8.1A	26 36.909	0.0096	08	-2 31 52.37	-0.019	07	0.41	36.392	14	96.1	51.34	14	96.2			GC	13081	-2 2902
97		6.9T	26 46.803	-0.0007	17	-2 56 45.88	0.018	18	0.86	46.837	18	01.0	46.52	19	03.1	A0		GC	13085	-2 2904
98		8.5A	26 46.815	-0.0017	13	-3 54 18.71	-0.002	13	0.28	46.844	16	33.1	18.67	16	33.1	K0	R	17	3684	A -3 2692
99		6.0T	26 52.382	-0.0033	08	-1 59 8.83	-0.007	04	0.22	52.526	09	06.4	8.51	09	05.2	A3		GC	13087	-1 2266
00		6.4T	27 1.754	-0.0022	11	-4 1 35.50	-0.084	11	0.56	1.861	15	01.5	31.30	17	00.2	G5		GC	13090	-3 2693

136900

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	EPOCH 1950 μ s	EPOCH 1950 σ_μ ″.001	EPOCH 1950 δ_{1950} ° ′ ″	EPOCH 1950 μ' ″	EPOCH 1950 σ'_μ ″.001	EPOCH 1950 σ_{1950} ″	ORIGINAL EPOCH α_2 s	ORIGINAL EPOCH σ ″.01	ORIGINAL EPOCH ep.	ORIGINAL EPOCH δ_2 ″	ORIGINAL EPOCH σ' ″.01	ORIGINAL EPOCH ep.	SP.	SOURCES CAT.	SOURCES STAR NUMBER	0° 9H DM NUMBER
1		8.8A	9 27 2.182	-0.0002	09	-2 41 21.48	-0.003	09	0.22	2.219	16	33.2	21.38	16	33.2	K5	17	3685	A -2 2903
2		9.0A	27 3.848	-0.0014	12	-7 16 32.97	-0.087	12	0.88	3.883	16	33.2	32.42	16	33.2	+++	16	3686	A -8 2923
3		7.8A	27 4.814	-0.0005	13	-2 54 9.82	-0.014	13	0.88	4.884	16	33.2	9.58	16	33.2	+++	17	3687	A -2 2906
4		9.3A	27 19.167	-0.0009	13	-2 40 [illegible]	-0.008	13	0.88	18.183	16	33.1	[illegible]	16	33.1	K5 R	17	3689	A -2 2907
5		9.1A	27 25.349	-0.0017	13	-5 35 36.88	0.015	13	0.88	25.378	16	33.1	36.52	16	33.1	K5 R	17	3690	A -5 2913
6		9.2A	27 35.088	0.0013	12	-3 34 39.82	0.037	12	0.88	35.074	16	33.1	40.44	16	33.1	K5 R	17	3691	A -3 2894
7		9.3A	27 37.798	-0.0008	11	-7 3 13.23	-0.006	11	0.84	37.763	16	33.1	13.88	16	33.1	K5 R	16	3692	A -7 2925
8		9.2A	27 40.414	-0.0006	13	-4 48 59.50	-0.013	13	0.88	40.423	16	33.2	59.78	16	33.2	K5	17	3693	A -4 2914
9		9.0A	27 54.483	-0.0005	13	-3 34 51.29	-0.003	13	0.88	54.508	16	33.1	50.88	16	33.1	K5 R	17	3695	A -3 2895
10		7.3A	28 10.406	-0.0007	13	-3 50 41.86	-0.005	13	0.88	10.419	16	33.2	41.87	16	33.2	K5	17	3694	A -3 2898
11		8.3A	28 13.311	-0.0011	12	-8 7 28.07	0.002	12	0.88	13.369	16	33.2	28.11	16	33.2	K5	16	3701	A -7 2884
12		8.4A	28 21.745	-0.0003	12	-8 11 20.36	-0.003	12	0.88	21.750	16	33.2	20.31	16	33.2	K5	16	3702	A -8 2888
13		6.9T	28 25.341	-0.0002	08	-5 28 29.35	-0.035	08	0.48	25.365	15	97.5	30.44	15	98.1	K5	6C	13130	A -5 2880
14		8.9A	28 28.027	-0.0021	12	-7 39 42.02	-0.067	12	0.88	28.082	16	33.2	40.88	16	33.2	K5	16	3703	A -7 2827
15		8.5A	28 29.288	-0.0019	13	-6 27 56.44	-0.044	13	0.88	29.298	16	33.2	55.70	16	33.2	A5	17	3697	A -6 2880
16		8.9A	28 30.882	-0.0010	12	-8 28 54.80	-0.005	12	0.88	30.879	16	33.2	54.81	16	33.2	K5	16	3705	A -8 2880
17		9.1A	28 30.985	-0.0006	12	-5 52 27.68	0.016	12	0.88	30.957	16	33.1	27.65	16	33.1	K5 R	17	3696	A -5 2889
18		9.0A	28 35.381	-0.0005	12	-5 35 59.84	-0.004	12	0.88	35.380	16	33.2	0.00	16	33.2	K5	16	3706	A -5 2892
19		9.0A	28 36.015	-0.0004	14	-0 31 36.35	-0.046	20	0.29	36.019	17	36.3	35.72	17	36.3	K5	21	3882	A -0 2208
20		8.4A	28 39.747	-0.0029	20	-4 16 52.95	0.003	20	0.37	39.786	16	33.2	52.90	16	33.2	K5	17	3698	A -5 2700
21		8.5A	28 39.883	-0.0013	12	-8 22 38.28	-0.006	12	0.88	39.905	16	33.2	38.44	16	33.2	[illegible]	16	3707	A -7 2889
22		7.8A	28 47.488	-0.0002	13	-5 4 4.04	-0.008	13	0.88	47.527	16	33.2	3.82	16	33.2	[illegible]	17	3700	A -5 2916
23		9.0A	28 50.727	-0.0007	20	-1 29 22.65	-0.030	20	0.37	50.773	16	33.2	22.15	16	33.2	[illegible]	17	3701	A -1 2882
24		9.0A	28 53.238	-0.0016	14	-1 23 4.98	0.005	20	0.29	53.280	17	36.3	4.98	17	36.3	K5	21	3883	A -1 2230
25		8.0A	28 55.413	-0.0005	12	-7 55 24.80	-0.026	12	0.88	55.421	16	33.2	24.37	16	33.2	K5	16	3708	A -7 2829
26		9.0A	29 2.219	0.0004	12	-7 12 13.18	-0.019	12	0.88	2.212	16	33.1	12.88	16	33.1	K5 R	16	3709	A -6 2931
27		8.5A	29 5.331	-0.0034	12	-8 45 57.76	0.000	12	0.88	5.388	16	33.2	57.78	16	33.2	K5	16	3710	A -8 2884
28		8.8A	29 8.782	-0.0012	11	-7 56 33.74	-0.010	11	0.84	8.785	16	33.2	33.57	16	33.2	A5	16	3711	A -7 2851
29		7.5A	29 15.487	-0.0032	13	-5 9 48.07	0.002	13	0.88	15.578	16	33.2	48.10	16	33.2	A5	17	3702	A -7 2917
30		8.0A	29 19.285	-0.0035	12	-7 16 29.68	-0.005	12	0.88	19.344	16	33.2	29.63	16	33.2	A5	16	3713	A -6 2933
31		8.2A	29 21.487	0.0004	13	-4 51 31.07	-0.022	13	0.88	21.481	16	33.2	30.88	16	33.2	A5	17	3703	A -4 2853
32		4.5T	29 25.987	-0.0010	04	-0 57 47.98	-0.015	03	0.19	26.039	08	97.9	47.17	08	95.9	A5	6C	13153	B* -0 2211
33		8.5A	29 30.168	-0.0000	13	-4 11 28.40	-0.006	13	0.88	30.168	16	33.2	28.30	16	33.2	K5	17	3704	A -4 2701
34		9.0A	29 32.349	-0.0008	13	-4 51 41.22	-0.001	13	0.88	32.364	16	33.2	41.20	16	33.2	A5	17	3705	A -4 2854
35		7.8A	29 40.414	-0.0009	11	-3 17 36.14	-0.002	11	0.84	40.420	16	33.2	36.08	16	33.2	K5	17	3706	A -3 2919
36		8.7A	29 44.688	-0.0004	12	-8 38 11.26	-0.007	12	0.88	44.705	16	33.2	10.80	16	33.2	A5	16	3715	A -8 2700
37		9.1A	29 46.324	-0.0006	13	-5 36 55.07	-0.001	13	0.88	46.367	16	33.2	55.06	16	33.2	A5	17	3707	A -5 2888
38		8.8A	29 49.595	-0.0016	13	-4 11 58.67	0.009	13	0.88	49.622	16	33.2	58.62	16	33.2	K5	17	3708	A -4 2704
39		8.4A	29 58.422	0.0007	12	-7 30 27.05	-0.041	12	0.88	58.410	16	33.2	26.97	16	33.2	K5	16	3716	A -7 2834
40		9.0A	29 58.680	-0.0008	14	-1 57 12.36	-0.006	20	0.29	58.770	17	36.3	11.46	17	36.3	F8	21	3885	A -1 2273
41		9.1A	30 9.367	-0.0005	13	-4 38 57.98	-0.019	13	0.88	9.478	16	33.1	57.67	16	33.1	G0 R	17	3709	A -4 2856
42		8.8A	30 13.513	-0.0005	14	-0 30 35.58	-0.013	20	0.29	13.517	17	36.3	35.40	17	36.3	K2	21	3886	A -0 2213
43		9.2A	30 22.507	0.0005	13	-5 15 22.12	-0.016	13	0.88	22.499	16	33.1	21.81	16	33.1	K5 R	17	3710	A -5 2882
44		7.7A	30 28.190	0.0009	14	-2 5 11.08	-0.013	20	0.29	28.178	17	36.3	10.90	17	36.3	K2	21	3887	A -1 2274
45		6.3T	30 34.403	-0.0017	12	-8 16 57.61	-0.059	11	0.59	34.482	15	98.7	55.61	15	99.5	K0	6C	13187	A -7 2836
46		8.7A	30 40.785	-0.0001	11	-9 5 38.43	-0.005	11	0.84	40.788	16	33.2	37.84	16	33.2	K5	16	3719	A -9 2702
47		8.1A	30 42.206	0.0008	12	-9 53 40.08	-0.015	12	0.88	42.195	16	33.2	39.84	16	33.2	G5	16	3720	A -9 2883
48		8.9A	30 42.765	0.0002	14	-2 6 6.45	-0.018	20	0.29	42.763	17	36.3	6.20	17	36.3	F2	21	3888	A -1 2275
49		8.3A	30 45.861	-0.0013	11	-4 11 21.65	-0.048	11	0.84	45.882	16	33.2	20.83	16	33.2	G5	17	3711	A -3 2707
50		9.0A	30 50.786	-0.0011	13	-7 53 33.29	0.001	11	0.84	50.815	16	33.2	33.32	16	33.2	G0	16	3721	A -7 2837
51		6.4T	9 30 51.439	-0.0005	13	-6 58 2.31	-0.017	12	0.74	51.600	15	94.4	1.36	14	93.2	K0	6C	13190	-6 2939
52		8.7A	30 53.550	-0.0009	13	-7 17 13.95	-0.047	13	0.88	53.599	16	33.1	13.15	16	33.2	F2	17	3712	A -7 2834
53		9.2A	31 7.216	-0.0002	12	-4 52 11.68	-0.029	12	0.86	7.305	16	33.1	11.19	16	33.1	F5 R	17	3714	A -4 2858
54		8.9A	31 8.008	0.0014	14	-2 20 8.36	-0.005	20	0.29	7.990	17	36.3	8.33	17	36.3	A0	21	3889	A -1 2276
55		9.0A	31 16.367	0.0002	12	-7 3 56.97	-0.016	12	0.86	16.384	16	33.1	56.71	16	33.1	A2 R	16	3724	A -6 2940
56		9.4A	31 16.715	-0.0005	12	-7 28 40.86	-0.011	12	0.86	16.723	16	33.2	40.88	16	33.2	F0	16	3725	A -7 2840
57		9.0A	31 32.281	0.0005	11	-4 52 26.29	-0.017	11	0.84	32.276	16	33.2	25.99	16	33.2	K2	17	3715	A -4 2860
58		8.3A	31 42.720	0.0051	13	-2 56 1.74	-0.081	13	0.88	42.634	16	33.2	0.71	16	33.2	F8	17	3716	A -2 2924
59		9.0A	31 43.038	-0.0032	13	-5 22 49.56	-0.001	13	0.88	43.081	16	33.2	49.53	16	33.2	K0	17	3717	A -4 2862
60		8.2A	31 50.678	-0.0018	13	-3 33 1.37	0.019	13	0.88	50.708	16	33.2	1.89	16	33.2	A3	17	3718	A -3 2713
61		9.2A	32 0.763	-0.0017	12	-2 18 28.53	0.005	12	0.86	0.782	16	33.1	28.61	16	33.1	G0 R	17	3719	A -1 2279
62		7.2T	32 1.351	-0.0015	09	-3 15 53.90	0.011	10	0.50	1.429	15	99.2	54.43	14	00.4	G5	6C	13224	-2 2825
63		8.9A	32 1.695	-0.0015	14	-1 48 59.89	0.000	20	0.29	1.673	17	36.3	59.88	17	36.3	K5 R	21	3892	A -1 2280
64		5.7T	32 2.913	0.0002	03	-5 41 26.92	-0.058	03	0.13	2.902	06	05.8	24.37	06	06.3	K0	6C	13226	B* -5 2840
65		8.8A	32 2.980	-0.0009	14	-0 15 49.34	-0.025	20	0.29	3.002	17	36.3	49.00	17	36.3	K2	21	3891	A 0 2531
66		8.9A	32 3.562	-0.0026	13	-3 47 42.97	-0.005	13	0.88	3.606	16	33.1	42.88	16	33.1	F5 R	17	3721	A -3 2714
67		8.8A	32 4.595	-0.0015	12	-9 44 59.88	0.016	12	0.88	4.585	16	33.2	40.15	16	33.2	A0	16	3728	A -9 2873
68		9.0A	32 8.582	0.0019	13	-4 16 14.55	-0.015	13	0.88	8.549	16	33.1	14.28	16	33.1	F2 R	17	3723	A -3 2715
69		8.5A	32 9.731	0.0003	14	-1 10 34.49	-0.034	20	0.29	9.731	17	36.3	34.02	17	36.3	K5	21	3893	A -0 2216
70		9.2A	32 14.699	-0.0037	17	-4 56 21.37	0.000	17	0.32	14.722	16	33.2	21.36	16	33.2	F0	17	3724	A -4 2864
71		9.1A	32 20.525	0.0017	13	-4 56 8.55	-0.032	13	0.88	20.494	16	33.2	8.01	16	33.2	K0	17	3725	A -4 2865
72		9.3A	32 22.722	-0.0009	12	-7 16 31.64	-0.008	12	0.88	22.821	16	33.2	31.18	16	33.2	F5	16	3729	A -6 2945
73		9.0A	32 31.282	-0.0034	11	-9 47 21.64	-0.001	11	0.84	31.349	16	33.2	21.63	16	33.2	F5	16	3730	A -9 2876
74		7.9A	32 32.076	-0.0009	13	-4 38 55.29	-0.008	13	0.88	32.086	16	33.2	55.14	16	33.2	K2	17	3726	A -4 2886
75		7.7A	32 37.006	-0.0009	13	-5 8 41.00	-0.002	13	0.88	37.006	16	33.2	40.12	16	33.2	K0	17	3727	A -4 2867
76		9.3A	32 37.643	0.0002	12	-6 54 33.58	0.008	12	0.86	37.640	16	33.1	33.60	16	33.1	K2 R	16	3731	A -6 2946
77		8.7A	32 40.617	-0.0079	12	-8 31 45.74	0.049	12	0.88	40.750	16	33.2	46.37	16	33.2	G5	16	3732	A -8 2947
78		9.0A	32 42.610	-0.0060	13	-5 37 29.30	-0.007	13	0.88	42.644	16	33.2	29.16	16	33.2	G0	17	3728	A -5 2941
79		8.3A	32 44.982	-0.0018	13	-3 2 51.37	-0.010	13	0.88	45.022	16	33.2	51.20	16	33.2	A5	17	3729	A -3 2928
80		9.0A	32 45.417	-0.0037	12	-4 3 20.49	-0.025	12	0.88	45.478	16	33.1	20.09	16	33.1	K0 R	17	3730	A -3 2717
81		8.8A	32 46.585	-0.0028	14	-1 55 35.98	0.001	20	0.29	46.623	17	36.3	35.99	17	36.3	K2	21	3895	A -1 2281
82		9.1A	32 55.686	-0.0012	14	-1 33 43.84	0.014	20	0.29	55.712	17	36.3	44.03	17	36.3	F8 R	21	3896	A -1 2282
83		9.0A	32 56.655	-0.0046	13	-6 14 59.72	-0.044	13	0.88	56.733	16	33.2	58.97	16	33.2	G0	17	3731	A -6 2943
84		8.8A	33 2.302	-0.0013	14	-0 8 17.97	-0.088	20	0.29	2.321	17	36.3	17.82	17	36.3	K2	21	3897	A 0 2532
85		8.8A	33 5.304	0.0003	09	-2 44 30.28	-0.003	09	0.22	5.299	16	33.1	30.21	16	33.1	F0 R	17	3732	A -2 2931
86		8.1A	33 9.511	-0.0011	09	-6 21 52.85	-0.004	09	0.22	9.529	16	33.2	52.79	16	33.2	F0	16	3735	A -7 2843
87		9.0A	33 9.551	-0.0018	13	-6 34 16.48	-0.005	13	0.88	9.561	16	33.2	16.38	16	33.2	F0	17	3733	A -6 2950
88		8.3A	33 22.215	-0.0005	14	-1 2 27.21	-0.006	20	0.29	22.222	17	36.3	27.12	17	36.3	K0	21	3899	A -0 2220
89		9.1A	33 25.475	-0.0008	13	-5 9 25.82	0.001	13	0.88	25.486	16	33.2	25.93	16	33.2	F2	17	3734	A -4 2870
90		9.0A	33 28.614	-0.0013	14	-1 23 46.09	-0.002	20	0.29	28.619	17	36.3	44.82	17	36.3	G5	21	3900	A -0 2221
91		9.2A	33 33.508	-0.0017	12	-5 11 14.12	-0.013	12	0.86	33.537	16	33.2	13.89	16	33.2	K0	17	3735	A -4 2871
92		8.8A	33 43.442	-0.0068	12	-7 11 45.24	-0.000	12	0.88	43.557	16	33.2	45.23	16	33.2	F2	16	3736	A -6 2952
93		7.5A	33 55.801	0.0003	13	-2 33 11.78	-0.018	13	0.88	55.797	16	33.2	11.48	16	33.2	K0	17	3738	A -2 2934
94		8.9A	33 56.367	-0.0027	13	-3 5 0.25	-0.010	13	0.88	56.415	16	33.1	0.06	16	33.1	K0 R	17	3737	A -2 2935
95		9.0A	34 1.488	0.0001	12	-3 0 1.10	-0.042	12	0.88	1.487	16	33.1	0.38	16	33.1	K0 R	17	3738	A -2 2936
96		9.4A	34 2.282	-0.0000	09	-5 36 32.28	-0.013	09	0.22	2.282	16	33.2	32.05	16	33.2	G5 R	17	3739	A -5 2946
97		8.8A	34 14.322	-0.0048	09	-3 40 51.99	0.133	09	0.22	14.402	16	33.2	54.13	16	33.2	G0 R	17	3740	A -3 2726
98		8.1A	34 15.607	-0.0029	11	-8 23 25.36	-0.044	11	0.84	15.636	16	33.2	24.63	16	33.2	K0	16	3739	A -7 2846
99		9.1A	34 16.123	-0.0029	12	-7 18 35.25	0.003	12	0.88	16.172	16	33.1	35.31	16	33.1	K0 R	16	3738	A -6 2935
00		8.9A	34 21.613	-0.0014	12	-6 48 26.53	0.015	12	0.88	21.537	16	33.2	26.79	16	33.2	K0	16	3740	A -6 2936

137000

EPOCH 1950 — ORIGINAL EPOCH — SOURCE — − 00° 9H

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	σ'_μ ″.001	σ_{1950} ″	α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.		SOURCE CAT.	SOURCE STAR NUMBER	DM NUMBER
1		8.8A	9 34 22.867	0.0002	12	−9 13 39.56	−0.017	12	0.26	22.863	16	33.2	39.28	16	33.2	K0		16	3741	A −8 2721
2		8.9A	34 37.474	−0.0021	14	−1 41 33.02	−0.049	20	0.29	37.503	17	36.3	32.34	17	36.3	F8		21	2902	A −1 2284
3		9.0A	34 37.494	0.0003	09	−7 44 7.95	−0.012	09	0.22	37.489	16	33.2	7.74	16	33.2	K		16	3742	A −7 2847
4		8.3A	34 44.864	−0.0022	12	−3 51 47.43	−0.042	12	0.26	44.901	16	33.2	46.72	16	33.2	G0		17	3741	A −3 2728
5		9.1A	35 10.281	−0.0004	13	−3 52 12.06	−0.049	13	0.28	10.288	16	33.2	11.23	16	33.2	F5	R	17	3742	A −3 2729
6		9.1A	35 13.464	−0.0041	13	−4 29 46.63	0.004	13	0.28	13.532	16	33.2	46.69	16	33.2	G0	R	17	3744	A −4 2678
7		6.6T	35 14.275	−0.0015	09	−2 56 42.00	−0.027	09	0.47	14.353	12	99.6	40.64	14	00.4	K0		GC	13299	−2 2939
8		9.0A	35 15.281	−0.0013	09	−2 57 43.67	−0.008	09	0.22	15.303	16	33.2	43.53	16	33.2			17	3745	A −2 2940
9		8.2A	35 21.033	−0.0014	14	−0 5 38.92	−0.011	20	0.29	21.053	17	36.3	38.78	17	36.3	A2		21	2903	A 0 2536
10		8.5A	35 22.457	0.0002	13	−5 56 18.59	−0.038	13	0.28	22.452	16	33.2	17.94	16	33.2	F8		17	3746	A −5 2854
11		6.4T	35 24.347	−0.0045	03	−9 11 56.02	−0.003	03	0.20	24.592	10	94.9	55.87	09	90.7	A0		GC	13307	B* −8 2725
12		9.2A	35 33.604	0.0017	11	−7 22 41.01	−0.000	11	0.24	33.575	16	33.2	41.00	16	33.2	F8		16	3745	A −6 2959
13		9.9A	35 35.149	0.0004	12	−6 34 31.37	−0.012	12	0.26	35.142	16	33.2	31.38	16	33.2	G0	R	17	3747	A −6 2960
14		8.6A	35 39.534	−0.0000	14	−1 14 58.80	−0.033	20	0.29	39.534	17	36.3	58.14	17	36.3	A0		21	2904	A −0 2229
15		8.0A	35 41.869	−0.0014	13	−4 56 26.13	−0.022	13	0.28	41.892	16	33.2	25.76	16	33.2	K2		17	3748	A −4 2681
16		9.0A	35 46.877	−0.0029	12	−8 0 11.12	−0.000	12	0.26	46.926	16	33.2	11.11	16	33.2	F8		16	3748	A −7 2851
17		9.1A	35 48.630	−0.0009	12	−5 4 58.67	0.016	12	0.26	48.644	16	33.2	58.93	16	33.2	K0	R	17	3749	A −4 2683
18		8.7A	35 50.074	0.0006	11	−7 50 51.27	−0.017	11	0.24	50.063	16	33.2	50.99	16	33.2	K2		16	3749	A −7 2852
19		7.5A	35 51.060	−0.0024	13	−3 37 43.87	0.007	13	0.28	51.099	16	33.2	43.98	16	33.2	K0		17	3750	A −3 2733
20		8.9A	35 52.517	−0.0040	13	−3 50 8.86	0.011	13	0.28	52.583	16	33.2	9.04	16	33.2	F0	R	17	3751	A −3 2734
21		8.3A	35 57.110	−0.0153	13	−2 42 10.46	0.018	13	0.28	57.367	16	33.2	10.76	16	33.2	G5		17	3752	A −2 2944
22		8.6A	36 5.442	−0.0008	11	−7 25 27.11	−0.012	11	0.24	5.436	16	33.2	26.92	16	33.2	F8		16	3750	A −7 2853
23		9.0A	36 21.347	−0.0017	14	−1 52 28.39	−0.002	20	0.29	21.371	17	36.3	28.36	17	36.3	A0		21	2905	A −1 2286
24		9.3A	36 22.310	−0.0043	12	−7 16 44.26	−0.021	12	0.26	22.383	16	33.1	43.92	16	33.1	G0	R	16	3751	A −6 2963
25		7.8A	36 26.852	0.0027	11	−3 47 16.60	−0.090	11	0.24	26.806	16	33.2	15.08	16	33.2	K2		17	3753	A −3 2736
26		7.3A	36 32.133	−0.0003	13	−2 36 46.08	−0.002	13	0.28	32.139	16	33.2	46.04	16	33.2	A0		17	3754	A −2 2946
27		8.1A	36 36.458	−0.0012	13	−4 9 5.76	−0.045	13	0.28	36.478	16	33.2	5.00	16	33.2	K2		17	3755	A −3 2737
28		8.5A	36 42.260	−0.0042	13	−5 29 42.27	0.031	13	0.28	42.331	16	33.2	42.78	16	33.2	F5		17	3757	A −5 2858
29		8.7A	36 44.004	−0.0011	11	−3 7 47.74	−0.001	11	0.24	44.023	16	33.2	47.72	16	33.2	K0	R	17	3756	A −2 2947
30		8.4A	36 49.827	0.0004	14	−2 26 38.36	0.014	20	0.29	49.821	17	36.3	38.55	17	36.3	K5		21	2906	A −2 2948
31		8.8A	36 56.051	−0.0015	13	−2 46 13.03	−0.021	13	0.28	56.076	16	33.2	12.67	16	33.2	G5	R	17	3759	A −2 2949
32		8.9A	37 3.816	0.0000	12	−7 10 47.41	−0.012	12	0.26	3.815	16	33.2	47.22	16	33.2	K2		16	3753	A −6 2968
33		8.5A	37 6.711	−0.0009	13	−3 59 8.82	−0.018	13	0.28	6.727	16	33.2	8.51	16	33.2	A0		17	3760	A −3 2739
34		9.2A	37 7.042	−0.0008	09	−4 2 27.44	0.005	09	0.22	7.055	16	33.2	27.52	16	33.2			17	3761	A −3 2740
35		4.1H	37 18.152	0.0031	02	−0 54 53.79	−0.069	01	0.06	18.047	03	15.7	51.38	03	14.8	K0		F4	1250	−0 2231
36		8.9A	37 18.346	−0.0036	12	−7 53 53.24	0.034	12	0.26	18.407	16	33.2	53.82	16	33.2	F2		16	3754	A −7 2857
37		9.0A	37 19.912	0.0009	14	−0 23 10.68	−0.048	20	0.29	19.899	17	36.3	10.23	17	36.3	K0		21	2909	A 0 2541
38		8.8A	37 23.288	−0.0043	11	−5 35 42.12	0.013	11	0.24	23.360	16	33.2	42.33	16	33.2	F2		17	3762	A −5 2861
39		8.3A	37 28.288	−0.0013	11	−3 29 46.64	0.002	11	0.24	28.309	16	33.2	46.67	16	33.2	K5		17	3763	A −3 2741
40		9.0A	37 30.725	−0.0030	20	−6 33 17.86	−0.041	20	0.37	30.776	16	33.2	17.18	16	33.2	K0		17	3764	A −6 2971
41		8.6A	37 36.697	0.0009	14	−0 48 30.94	−0.021	20	0.29	36.684	17	36.3	30.65	17	36.3	K0		21	2910	A −0 2232
42		7.6A	37 39.550	0.0006	12	−8 52 4.00	−0.029	12	0.26	39.540	16	33.2	3.52	16	33.2	F0		16	3759	A −8 2733
43		9.2A	37 50.867	−0.0002	12	−7 37 10.14	−0.002	12	0.26	50.870	16	33.1	10.12	16	33.1	K0	R	16	3760	A −7 2860
44		8.9A	37 51.498	−0.0018	14	−1 9 33.20	−0.037	20	0.29	51.523	17	36.3	32.69	17	36.3	K2		21	2911	A −0 2233
45		8.3A	37 59.305	−0.0028	14	−1 30 8.17	−0.036	20	0.29	59.343	17	36.3	7.67	17	36.3	G5		21	2912	A −1 2290
46		8.8A	38 1.084	−0.0007	14	−0 53 9.65	−0.018	20	0.29	1.094	17	36.3	9.40	17	36.3	A0		21	2913	A −0 2234
47		9.1A	38 2.751	−0.0016	12	−8 33 14.02	0.003	12	0.26	2.778	16	33.2	14.07	16	33.2	F2		16	3762	A −8 2735
48		9.2A	38 4.266	−0.0013	12	−8 47 25.00	−0.027	12	0.26	4.288	16	33.1	24.55	16	33.1	K2	R	16	3763	A −8 2736
49		9.1A	38 12.039	0.0006	11	−4 10 54.08	−0.016	11	0.24	12.029	16	33.2	53.81	16	33.2	K0	R	17	3765	A −3 2742
50		7.6A	38 12.480	0.0017	12	−6 39 40.90	−0.061	12	0.26	12.451	16	33.2	39.88	16	33.2	F0		16	3764	A −6 2974
51		9.0A	9 38 37.349	−0.0013	09	−6 21 56.58	−0.023	09	0.22	37.371	16	33.2	56.96	16	33.2	F0		17	3766	A −5 2865
52		9.1A	38 43.112	0.0000	12	−9 18 11.90	−0.024	12	0.26	43.111	16	33.1	11.50	16	33.1	K0	R	16	3767	A −8 2738
53		8.4A	38 43.291	−0.0013	11	−7 23 59.82	0.013	12	0.25	43.313	16	33.2	0.05	16	33.2	A0		16	3766	A −6 2975
54		8.0A	38 5.140	−0.0024	11	−4 3 5.19	−0.008	11	0.24	5.180	16	33.2	5.05	16	33.2	K5		17	3767	A −3 2744
55		9.1A	39 6.130	−0.0031	09	−3 24 14.41	−0.006	09	0.22	6.182	16	33.2	14.30	16	33.2	F5	R	17	3768	A −2 2954
56		8.9A	39 16.356	−0.0022	13	−3 42 44.52	0.021	13	0.28	16.393	16	33.2	44.87	16	33.2	A5	R	17	3769	A −3 2745
57		9.1A	39 19.625	0.0019	12	−7 9 22.04	−0.016	12	0.26	19.593	16	33.2	21.78	16	33.2	G5		16	3769	A −6 2978
58		8.6A	39 20.272	−0.0011	13	−6 31 58.01	−0.012	13	0.28	20.291	16	33.2	57.80	16	33.2	K2		17	3771	A −6 2977
59		9.1A	39 20.874	−0.0016	09	−3 36 1.81	−0.018	09	0.22	20.901	16	33.2	1.51	16	33.2	K2	R	17	3770	A −3 2746
60		8.9A	39 24.376	−0.0016	14	−1 31 29.47	−0.025	20	0.29	24.398	17	36.3	29.12	17	36.3	F5		21	2916	A −1 2292
61		8.8A	39 28.287	−0.0017	11	−5 40 26.16	0.010	11	0.24	28.315	16	33.2	26.32	16	33.2	A2		17	3772	A −5 2870
62		9.3A	39 32.351	−0.0001	12	−7 3 27.12	0.027	12	0.26	32.353	16	33.1	27.59	16	33.1	K0	R	16	3771	A −6 2979
63		8.2A	39 32.774	−0.0011	11	−3 46 15.69	−0.012	11	0.24	32.792	16	33.2	15.48	16	33.2	K5		17	3773	A −3 2748
64		8.2A	39 44.121	−0.0114	12	−7 32 20.63	−0.194	12	0.26	44.313	16	33.2	17 37	16	33.2	G0		16	3772	A −7 2867
65		6.8T	39 49.738	−0.0015	08	−0 3 3.02	0.018	10	0.49	49.819	15	97.2	3.94	15	99.1	K0		GC	13390	0 2546
66		9.0A	39 51.167	−0.0031	11	−7 39 18.09	−0.012	11	0.24	51.218	16	33.2	17.88	16	33.2	K0		16	3773	A −7 2869
67		8.5A	39 52.555	−0.0025	11	−3 51 45.42	−0.005	11	0.24	52.596	16	33.2	45.33	16	33.2	A5		17	3774	A −3 2750
68		9.0A	39 57.976	−0.0017	12	−7 50 46.56	0.017	12	0.26	58.004	16	33.2	46.86	16	33.2	G0		16	3774	A −7 2871
69		9.0A	40 4.293	0.0007	11	−5 38 39.51	−0.018	11	0.24	4.281	16	33.2	39.20	16	33.2	A5		17	3776	A −5 2874
70		9.1A	40 14.064	−0.0005	12	−7 52 14.91	0.015	12	0.26	14.072	16	33.2	15.16	16	33.2	MB		16	3775	A −7 2873
71		8.9A	40 20.193	−0.0006	14	−2 0 41.57	0.030	20	0.29	20.202	17	36.3	41.98	17	36.3	K0		21	2918	A −1 2294
72		9.1A	40 23.393	−0.0006	12	−9 57 44.24	−0.001	12	0.26	23.403	16	33.1	44.23	16	33.1	F8	R	16	3776	A −9 2908
73		9.0A	40 25.259	−0.0025	13	−4 41 53.75	−0.030	13	0.28	25.300	16	33.2	53.24	16	33.2	K2	R	17	3777	A −4 2701
74		9.0A	40 26.004	−0.0012	14	−1 43 47.74	−0.028	20	0.29	26.020	17	36.3	47.35	17	36.3	K0	R	21	2919	A −1 2295
75		9.1A	40 28.354	−0.0017	11	−8 54 59.75	−0.073	11	0.24	28.383	16	33.2	58.53	16	33.2	K2		16	3778	A −8 2742
76		9.0A	40 30.322	−0.0013	13	−2 40 20.81	−0.019	13	0.28	30.343	16	33.2	20.49	16	33.2	K0	R	17	3778	A −2 2958
77		7.9A	40 43.411	−0.0038	12	−6 24 5.57	−0.008	12	0.26	43.474	16	33.2	5.43	16	33.2	K2		17	3779	A −5 2876
78		8.9A	40 47.151	−0.0025	13	−5 48 17.30	−0.011	13	0.28	47.193	16	33.2	17.11	16	33.2	F0		17	3780	A −5 2877
79		8.6A	40 55.256	−0.0027	12	−6 36 16.69	0.005	12	0.26	55.301	16	33.2	16.78	16	33.2	A3		16	3780	A −6 2985
80		8.5A	41 2.483	−0.0059	11	−3 7 47.31	−0.035	11	0.24	2.582	16	33.2	46.72	16	33.2	G0		17	3781	A −2 2962
81		9.2A	41 4.241	0.0001	11	−9 13 58.81	0.000	11	0.24	4.239	16	33.1	58.81	16	33.1	K0	R	16	3781	A −8 2749
82		9.0A	41 13.318	−0.0022	13	−5 58 56.72	−0.016	13	0.28	13.354	16	33.2	56.44	16	33.2	A3		17	3782	A −5 2880
83		8.8A	41 20.345	−0.0029	11	−3 46 8.91	−0.017	11	0.24	20.393	16	33.2	8.62	16	33.2	F5	R	17	3783	A −3 2755
84		8.8A	41 22.316	−0.0023	12	−3 38 34.58	−0.029	12	0.26	22.354	16	33.2	34.09	16	33.2	K0	R	17	3784	A −3 2756
85		9.0A	41 22.486	−0.0151	12	−9 45 39.32	0.008	12	0.26	22.740	16	33.2	39.47	16	33.2	G5		16	3782	A −9 2911
86		8.9A	41 26.929	−0.0031	14	−0 10 39.61	−0.014	20	0.29	26.972	17	36.3	39.42	17	36.3	K0		21	2921	A 0 2547
87		9.3A	41 28.142	−0.0006	11	−7 24 22.66	0.008	11	0.24	28.131	16	33.2	22.80	16	33.2	G0		16	3783	A −6 2987
88		8.7A	41 28.806	−0.0003	13	−4 36 32.45	−0.015	13	0.28	28.811	16	33.2	32.21	16	33.2	K5	R	17	3785	A −4 2704
89		9.0A	41 36.468	−0.0014	14	−1 46 55.63	−0.007	20	0.29	36.488	17	36.3	55.53	17	36.3	G5	R	21	2922	A −1 2297
90		8.4A	41 39.565	−0.0005	13	−5 57 2.33	0.012	13	0.28	39.573	16	33.2	2.53	16	33.2	MA		17	3786	A −5 2881
91		9.0A	41 44.822	−0.0018	14	−0 3 59.43	−0.018	20	0.29	44.847	17	36.3	59.19	17	36.3	A0		21	2923	A 0 2548
92		7.5A	41 59.820	−0.0026	13	−4 25 37.76	−0.002	13	0.28	59.864	16	33.2	37.72	16	33.2	A2		17	3788	A −3 2759
93		9.1A	42 2.542	0.0002	12	−6 11 41.38	0.001	12	0.26	2.537	16	33.2	41.39	16	33.2	F8		17	3789	A −5 2883
94		8.8A	42 9.942	−0.0044	13	−6 3 2.96	−0.058	13	0.28	10.017	16	33.2	1.98	16	33.2	K0		17	3790	A −5 2885
95		9.5A	42 16.730	0.0000	11	−7 49 23.32	−0.026	11	0.24	16.729	16	33.1	22.89	16	33.1	G0	R	16	3784	A −7 2879
96		9.0A	42 18.873	−0.0035	14	−0 32 53.18	−0.088	20	0.29	18.922	17	36.3	51.97	17	36.3	G5		21	2924	A −0 2242
97		9.1A	42 22.187	−0.0053	13	−5 30 13.73	−0.072	13	0.28	22.276	16	33.2	12.51	16	33.2	G0	R	17	3791	A −5 2888
98		8.0A	42 24.081	−0.0012	13	−6 28 23.17	−0.024	13	0.28	24.102	16	33.2	22.76	16	33.2	B9		17	3792	A −6 2989
99		7.7A	42 37.916	0.0008	14	−0 14 1.91	−0.026	20	0.29	37.905	17	36.3	1.56	17	36.3	K0		21	2925	A 0 2551
00		9.0A	42 43.688	−0.0004	11	−7 42 46.63	−0.000	11	0.24	43.695	16	33.2	46.62	16	33.2	K2		16	3786	A −7 2880

137100

EPOCH 1950 — ORIGINAL EPOCH — SOURCE — − 0° 9H

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.		SOURCE CAT.	SOURCE STAR NUMBER	DM	DM NUMBER
1		9.1A	9 42 47.584	-0.0085	09	-2 38 46.74	-0.002	09	0.22	47.567	16	33.2	46.70	16	33.2	F5	R	17	3793	A	-2 2965
2		9.3A	42 53.984	-0.0012	11	-7 38 45.43	-0.011	11	0.24	54.004	16	33.2	45.25	16	33.2	A0		16	3787	A	-7 2881
3		7.6A	42 57.045	-0.0013	12	-8 15 4.77	-0.046	12	0.25	57.067	16	33.2	3.99	16	33.2	K0		16	3788	A	-7 2882
4		9.2A	43 7.946	-0.0022	11	-9 0 5.99	-0.003	11	0.24	7.983	16	33.1	5.91	16	33.1	K0	R	16	3780	A	-8 2758
5		9.0A	43 12.856	0.0038	13	-4 12 31.84	-0.100	13	0.28	12.792	16	33.2	30.16	16	33.2	G5	R	17	3784	A	-3 2765
6		9.0A	43 15.410	-0.0017	13	-6 18 58.20	-0.027	13	0.28	15.438	16	33.2	57.74	16	33.2	K5		17	3795	A	-5 2880
7		7.9B	43 15.451	-0.0044	13	-1 40 32.98	-0.080	14	0.66	15.519	15	03.4	48.78	17	04.2	F5		GC	13447		-1 2299
8		8.8A	43 21.042	0.0011	09	-2 49 14.30	-0.000	09	0.22	21.023	16	33.2	12.78	16	33.2	G5		17	3796	A	-2 2969
9		6.3A	43 28.275	-0.0025	13	-2 32 35.76	-0.023	13	0.28	28.318	16	33.2	35.37	16	33.2	F2		17	3797	A	-2 2970
10		6.3A	43 32.008	-0.0002	14	-2 21 37.83	0.034	20	0.29	32.010	17	36.3	38.29	17	36.3	K0		21	2928	A	-1 2300
11		9.0A	43 39.084	-0.0002	13	-2 29 21.21	-0.020	13	0.28	39.086	16	33.2	20.87	16	33.2	G0	R	17	3799	A	-2 2972
12		9.2A	43 40.117	-0.0012	17	-4 48 22.05	0.004	17	0.32	40.137	16	33.2	22.11	16	33.2	F0	F	17	3800	A	-4 2715
13		8.5A	43 43.716	-0.0017	15	-5 50 47.95	-0.048	15	0.30	43.744	16	33.2	47.14	16	33.2	F8		17	3801	A	-5 2885
14		9.0A	43 58.001	-0.0025	12	-9 3 2.66	-0.014	12	0.25	32.039	16	33.2	2.43	16	33.2	G5		16	3792	A	-8 2760
15		8.6A	44 5.132	-0.0027	14	-0 22 47.67	-0.009	20	0.29	5.170	17	36.3	47.55	17	36.3	F5		21	2931	A	0 2557
16		9.6A	44 8.395	-0.0009	13	-3 17 42.22	-0.003	13	0.28	8.411	16	33.2	42.17	16	33.2	A5		17	3803	A	-2 2976
17		7.5A	44 11.479	-0.0025	13	-2 56 50.09	0.031	13	0.28	11.522	16	33.2	50.61	16	33.2	F2		17	3804	A	-2 2977
18		8.3A	44 14.884	-0.0020	13	-4 59 25.98	-0.084	13	0.28	14.918	16	33.2	25.58	16	33.2	K0		17	3808	A	-4 2717
19		9.0A	44 15.983	0.0005	14	-1 3 47.58	-0.026	20	0.29	15.987	17	36.3	47.23	17	36.3	G0		21	2932	A	-0 2246
20		8.6A	44 16.645	-0.0052	11	-6 53 42.45	0.036	11	0.24	16.733	16	33.2	43.07	16	33.2	K0		16	3794	A	-6 2907
21		8.5A	44 17.928	0.0054	14	-1 40 28.11	-0.084	20	0.29	17.863	17	36.3	27.77	17	36.3	G5		21	2933	A	-1 2302
22		9.2A	44 19.075	-0.0084	12	-3 45 59.97	-0.011	12	0.25	19.114	16	33.2	59.76	16	33.2	G0		17	3807	A	-3 2770
23		8.0A	44 23.008	-0.0035	13	-4 3 55.99	-0.044	13	0.28	23.066	16	33.2	55.24	16	33.2	K0		17	3806	A	-3 2771
24		8.2A	44 24.448	-0.0012	09	-3 8 11.16	-0.029	11	0.23	24.468	16	33.2	10.67	16	33.2	K2		17	3809	A	-2 2979
25		8.0T	44 31.225	0.0012	16	-0 23 7.99	-0.148	17	0.71	31.174	18	08.0	1.82	18	08.3	F8		GC	13478		0 2558
26		9.0A	44 32.337	-0.0019	11	-8 17 26.17	-0.004	11	0.24	32.368	16	33.2	26.11	16	33.2	K0		16	3795	A	-7 2889
27		8.5A	44 33.938	-0.0054	13	-4 15 22.01	-0.041	13	0.28	34.028	16	33.2	22.69	16	33.2	K5		17	3811	A	-3 2773
28		8.6A	44 36.150	-0.0028	13	-5 35 50.41	-0.015	13	0.28	36.196	16	33.2	50.15	16	33.2	F0		17	3812	A	-5 2902
29		9.6A	44 41.401	-0.0084	12	-9 43 11.33	-0.092	12	0.26	41.442	16	33.1	10.46	16	33.1	G0	R	16	3797	A	-9 2923
30		8.7A	44 46.213	-0.0015	09	-8 57 16.86	-0.024	11	0.23	46.238	16	33.2	16.46	16	33.2	K0		16	3800	A	-8 2763
31		8.5A	44 47.562	-0.0021	13	-2 25 3.74	-0.019	13	0.28	47.597	16	33.2	3.42	16	33.2	K0		17	3813	A	-1 2303
32		8.8A	44 49.885	0.0026	14	-0 46 50.11	-0.069	20	0.29	49.847	17	36.3	49.16	17	36.3	F5		21	2936	A	-0 2247
33		9.0A	44 56.521	0.0005	11	-7 14 11.70	0.004	11	0.24	56.513	16	33.2	12.11	16	33.2	K2		16	3801	A	-6 2909
34		9.2A	45 13.623	-0.0024	13	-3 2 42.92	-0.015	13	0.28	13.663	16	33.2	42.66	16	33.2	G8	F	17	3814	A	-2 2982
35		9.2A	45 17.418	-0.0054	12	-2 56 38.81	-0.074	12	0.26	17.509	16	33.2	37.56	16	33.2	K0	F	17	3815	A	-2 2984
36		8.5A	45 22.900	0.0002	09	-8 15 37.34	0.000	09	0.22	22.897	16	33.2	37.35	16	33.2	F8		16	3802	A	-7 2894
37		9.0A	45 26.712	-0.0037	14	-0 58 46.29	-0.071	20	0.29	26.762	17	36.3	45.31	17	36.3	F5		21	2938	A	-0 2248
38		9.4A	45 27.350	-0.0065	11	-4 9 14.74	0.028	11	0.24	27.459	16	33.2	15.20	16	33.2	G5	F	17	3816	A	-3 2777
39		7.7A	45 35.271	0.0019	12	-7 56 8.33	-0.044	12	0.26	35.239	16	33.2	7.60	16	33.2	MA		16	3803	A	-7 2895
40		7.3A	45 36.646	0.0006	13	-5 40 14.85	-0.020	13	0.28	36.636	16	33.2	14.51	16	33.2	K2		17	3817	A	-5 2908
41		9.0A	45 39.539	-0.0021	13	-4 13 35.26	-0.005	13	0.28	39.574	16	33.2	35.17	16	33.2	K0		17	3818	A	-3 2780
42		7.1T	45 43.552	-0.0020	04	-7 0 45.84	-0.017	05	0.18	43.640	09	06.7	45.04	09	01.7	B9		GC	13504	B*	-6 3003
43		8.8A	45 46.228	0.0085	12	-9 57 21.61	-0.192	11	0.25	46.085	16	33.2	18.38	16	33.2	K0		16	3805	A	-9 2926
44		8.7A	45 50.651	-0.0000	11	-4 10 24.83	-0.020	11	0.24	50.651	16	33.2	24.49	16	33.2	K5		17	3819	A	-3 2782
45		9.0A	45 51.225	0.0004	14	-1 23 47.85	-0.042	20	0.29	51.218	17	36.3	47.27	17	36.3	F0		21	2939	A	-0 2249
46		9.1A	45 54.185	-0.0002	12	-4 24 26.67	-0.043	12	0.26	54.188	16	33.2	25.94	16	33.2	F5	R	17	3820	A	-3 2783
47		9.1A	45 58.449	-0.0006	13	-3 2 23.58	-0.002	13	0.28	58.459	16	33.2	23.54	16	33.2	F7	F	17	3821	A	-2 2985
48		8.3A	46 2.542	-0.0003	14	-0 34 37.88	-0.027	20	0.29	2.546	17	36.3	37.50	17	36.3	F8		21	2940	A	-0 2250
49		8.1Q	46 4.500	-0.0001	09	-7 5 7.69	-0.007	07	0.44	4.507	15	99.7	7.28	15	96.3	A0		GC	13511		-6 3005
50		8.8A	46 12.365	-0.0004	14	-2 28 49.71	-0.030	20	0.29	12.370	17	36.3	49.30	17	36.3	B5		21	2941	A	-2 2986
51		7.0T	9 46 16.176	-0.0015	14	-9 41 7.75	-0.014	13	0.72	16.249	19	99.8	7.04	19	98.5	A0		GC	13513		-9 2928
52		8.9A	46 21.120	-0.0021	11	-8 15 37.03	-0.016	11	0.24	21.156	16	33.2	36.77	16	33.2	F0		16	3808	A	-7 2898
53		9.0A	46 22.799	-0.0060	14	-0 20 46.12	-0.072	20	0.29	22.881	17	36.3	45.14	17	36.3	G5	R	21	2942	A	0 2562
54		9.0A	46 26.569	-0.0010	14	-0 47 22.58	-0.047	20	0.29	26.563	17	36.3	21.94	17	36.3	F8		21	2943	A	-0 2251
55		8.2A	46 34.439	-0.0003	09	-4 38 31.72	-0.015	09	0.22	34.443	16	33.2	31.45	16	33.2	MA		17	3823	A	-4 2726
56		9.0A	46 34.698	-0.0008	09	-8 15 8.07	-0.022	09	0.22	34.711	16	33.2	7.69	16	33.2	G5		16	3810	A	-7 2900
57		7.0T	46 49.185	-0.0033	12	-8 36 6.67	-0.018	10	0.58	49.349	19	01.1	5.76	18	98.3	K2		GC	13523	B*	-8 2771
58		9.1A	46 52.828	0.0001	12	-8 50 16.08	0.016	12	0.26	52.825	16	33.2	18.36	16	33.2	G5		16	3812	A	-8 2772
59		8.6A	46 53.211	-0.0027	11	-4 39 11.68	0.004	11	0.24	53.256	16	33.2	11.74	16	33.2	G5		17	3824	A	-4 2729
60		9.0A	46 56.444	-0.0023	14	-0 37 4.57	-0.013	20	0.29	56.475	17	36.3	4.39	17	36.3	K0		21	2944	A	-0 2252
61		9.0A	47 0.851	-0.0037	12	-3 40 23.65	0.004	12	0.26	0.913	16	33.2	23.71	16	33.2	F2		17	3825	A	-3 2785
62		8.5A	47 1.739	-0.0052	12	-8 57 51.02	-0.021	12	0.26	1.827	16	33.2	50.67	16	33.2	F5		16	3813	A	-8 2773
63		9.0A	47 4.542	-0.0047	14	-0 2 32.66	0.010	20	0.29	4.606	17	36.3	32.80	17	36.3	F8		21	2945	A	0 2564
64		9.0A	47 11.082	-0.0004	12	-7 5 51.06	0.019	12	0.26	11.088	16	33.2	51.39	16	33.2	A5		16	3816	A	-6 3010
65		9.0A	47 19.111	-0.0008	12	-9 7 51.44	-0.011	12	0.26	19.124	16	33.2	51.26	16	33.2	F0		16	3817	A	-8 2774
66		9.0A	47 20.391	-0.0005	13	-3 30 44.59	-0.021	13	0.28	20.399	16	33.2	44.23	16	33.2	K0	F	17	3826	A	-3 2787
67		8.8A	47 26.730	-0.0057	14	-2 22 16.30	-0.032	20	0.29	24.808	17	36.3	15.86	17	36.3	F2		21	2946	A	-1 2306
68		8.8A	47 37.881	-0.0007	14	-1 55 5.58	-0.041	20	0.29	37.871	17	36.3	5.01	17	36.3	G5		21	2949	A	-1 2307
69		9.1A	47 38.497	0.0090	13	-5 18 24.84	-0.006	13	0.28	38.412	16	33.2	24.70	16	33.2	G8	F	17	3828	A	-4 2734
70		8.7A	47 43.454	0.0019	12	-9 59 2.06	-0.007	12	0.26	43.422	16	33.2	1.95	16	33.2	K2		16	3818	A	-9 2938
71		8.3A	47 43.598	-0.0005	12	-9 49 9.22	0.025	12	0.26	43.603	16	33.2	9.64	16	33.2	K5		16	3819	A	-9 2939
72		9.1A	47 50.357	-0.0015	13	-3 37 37.03	-0.017	13	0.28	50.382	16	33.2	36.74	16	33.2	K5	F	17	3829	A	-3 2790
73		8.0A	47 51.032	-0.0023	14	-1 11 17.44	-0.015	20	0.29	51.063	17	36.3	17.23	17	36.3	K0		21	2950	A	-0 2256
74		9.0A	47 51.926	-0.0021	14	-2 24 50.69	-0.006	20	0.29	51.955	17	36.3	50.61	17	36.3	K5	R	21	2952	A	-1 2308
75		8.9A	47 52.090	-0.0026	14	-1 48 16.47	-0.019	20	0.29	52.086	17	36.3	16.20	17	36.3	F2		21	2951	A	-1 2309
76		8.9A	47 57.115	-0.0004	13	-6 27 7.55	-0.038	13	0.28	57.122	16	33.2	6.90	16	33.2	G5		17	3830	A	-6 3012
77		8.7A	48 3.899	-0.0036	14	-2 16 41.59	-0.007	20	0.29	3.948	17	36.3	41.49	17	36.3	K5		21	2953	A	-1 2310
78		8.8A	48 10.620	-0.0011	14	-0 56 29.95	-0.026	20	0.29	10.636	17	36.3	29.59	17	36.3	K0		21	2954	A	-0 2258
79		7.0T	48 11.919	-0.0004	08	-7 8 50.24	-0.044	06	0.43	11.899	14	95.6	47.71	14	91.8	F2		GC	13551		-6 3013
80		9.3A	48 24.728	-0.0013	11	-8 4 51.53	-0.005	12	0.25	24.748	16	33.2	51.44	16	33.2	A0		16	3822	A	-7 2905
81		9.0A	48 36.281	-0.0041	13	-3 57 6.71	-0.015	13	0.28	36.349	16	33.2	6.45	16	33.2	A7	F	17	3831	A	-3 2793
82		9.0A	48 42.207	0.0002	12	-6 44 40.35	-0.015	12	0.26	42.203	16	33.1	40.10	16	33.1	K0	R	16	3823	A	-6 3014
83		6.0H	48 42.888	0.0008	01	-4 0 29.52	-0.032	01	0.05	42.807	02	17.3	28.49	02	17.7	A2		FA	370		-3 2794
84		7.4T	48 46.849	0.0056	07	-1 37 19.61	-0.111	07	0.37	46.374	12	01.4	14.04	12	99.9	K0		GC	13562		-1 2314
85		6.5T	48 52.094	-0.0087	08	-5 56 51.85	0.055	07	0.46	52.599	15	92.5	55.15	15	89.5	G0		GC	13565		-5 2923
86		8.9A	48 53.936	-0.0015	11	-8 19 52.10	-0.048	11	0.24	53.962	16	33.2	51.30	16	33.2	F2		16	3824	A	-7 2906
87		9.0A	48 56.869	-0.0023	17	-3 53 19.37	0.005	17	0.32	56.907	16	33.2	19.45	16	33.2	G5		17	3834	A	-3 2795
88		8.3A	48 57.297	-0.0020	13	-4 44 13.41	-0.025	13	0.28	57.330	16	33.2	12.98	16	33.2	K5		17	3835	A	-4 2742
89		8.9A	49 5.103	-0.0138	13	-2 36 29.58	-0.161	13	0.28	5.336	16	33.2	26.87	16	33.2	K0		17	3836	A	-2 2993
90		8.8A	49 7.510	0.0003	13	-4 49 44.97	-0.015	13	0.28	7.506	16	33.2	44.72	16	33.2	G0	F	17	3837	A	-4 2744
91		8.8A	49 11.478	0.0013	13	-4 14 10.08	0.042	13	0.28	11.455	16	33.2	10.79	16	33.2	F5		17	3838	A	-3 2797
92		9.1A	49 18.542	-0.0011	12	-8 41 28.17	-0.009	12	0.26	18.559	16	33.2	26.02	16	33.2	F2		16	3825	A	-8 2784
93		9.3A	49 21.619	0.0001	13	-4 23 24.66	-0.013	13	0.28	21.617	16	33.2	24.44	16	33.2	A2		17	3839	A	-3 2798
94		9.2A	49 24.558	-0.0007	12	-7 42 15.09	-0.014	12	0.26	24.570	16	33.2	14.87	16	33.2	A5		16	3826	A	-7 2908
95		8.1A	49 35.557	-0.0011	12	-9 36 43.26	0.007	12	0.26	35.576	16	33.2	43.39	16	33.2	K2		16	3827	A	-9 2945
96		9.2A	49 43.325	-0.0002	11	-8 41 48.26	-0.038	11	0.24	43.328	16	33.2	47.62	16	33.2	G0		16	3828	A	-8 2787
97		8.3A	49 51.700	0.0004	09	-7 21 48.56	-0.007	09	0.22	51.694	16	33.2	48.45	16	33.2	K5		16	3830	A	-6 3016
98		7.2A	49 59.068	0.0014	12	-8 59 46.21	-0.006	12	0.26	59.062	16	33.2	46.08	16	33.2	K2		16	3831	A	-8 2788
99		5.2T	50 1.878	-0.0040	04	-7 52 7.35	-0.045	04	0.27	2.125	12	88.9	4.82	10	93.2	A2		GC	13593K	B*	-7 2909
00		8.9A	50 2.599	-0.0010	12	-9 9 7.12	-0.001	12	0.26	2.615	16	33.2	7.11	16	33.2	A2		16	3833	A	-8 2790

137200

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	− 0° 9H DM NUMBER
1		8.3A	9 50 8.804	-0.0010	13	-5 54 32.50	-0.019	13	0.28	8.821	16	33.2	32.18	16	33.2	K0	17	3842	A -5 2927
2		9.2A	50 12.696	-0.0030	09	-3 41 20.19	0.036	09	0.22	12.746	16	33.2	20.79	16	33.2	F8 F	17	3843	A -3 2800
3		8.3A	50 12.761	-0.0032	17	-4 37 26.60	-0.046	17	0.32	12.814	16	33.2	25.81	16	33.2	F5	17	3844	A -4 2747
4		8.8A	50 35.183	-0.0024	11	-7 6 6.20	-0.004	11	0.24	35.223	16	33.2	6.14	16	33.2	K2	16	3834	A -6 3020
5		8.9A	50 51.407	-0.0019	14	-0 33 2.60	-0.003	20	0.29	51.433	17	36.3	2.55	17	36.3	K2	21	2961	A -0 2263
6		7.0T	50 54.347	0.0000	09	-9 40 3.02	-0.011	68	0.46	54.344	15	97.6	2.44	15	96.0	A0	GC	13602	-9 2953
7		8.4A	50 59.632	-0.0023	14	-1 22 46.72	0.009	20	0.29	59.664	17	36.3	46.84	17	36.3	K2	21	2962	A -0 2264
8		8.8A	51 9.298	-0.0009	11	-2 55 4.58	0.025	11	0.24	9.315	16	33.2	4.80	16	33.2	K2	17	3845	A -2 3003
9		7.3A	51 11.244	-0.0014	09	-3 37 32.27	0.013	09	0.22	11.267	16	33.2	32.49	16	33.2	B9	17	3846	A -3 2802
10		8.8A	51 16.980	-0.0085	11	-9 51 53.20	0.030	11	0.24	17.123	16	33.2	53.71	16	33.2	F8	16	3836	A -9 2955
11		9.1A	51 22.050	0.0002	13	-3 46 11.66	-0.044	13	0.28	22.047	16	33.2	10.92	16	33.2	G5	17	3847	A -3 2802
12		9.1A	51 33.266	-0.0015	14	-1 12 53.30	-0.003	20	0.29	33.287	17	36.3	53.25	17	36.3	K0 R	21	2964	A -0 2265
13		8.9A	51 37.696	-0.0015	11	-8 28 17.04	0.022	11	0.24	37.720	16	33.2	17.42	16	33.2	K2	16	3838	A -8 2792
14		9.2A	51 39.721	0.0018	11	-4 27 44.38	-0.021	11	0.24	39.690	16	33.2	44.03	16	33.2	G0 R	17	3848	A -4 2750
15		8.6A	51 57.400	-0.0013	14	-1 2 2.56	-0.029	20	0.29	57.418	17	36.3	2.16	17	36.3	B8	21	2966	A -0 2266
16		8.3A	52 0.733	-0.0014	14	-2 22 50.32	-0.002	20	0.29	0.752	17	36.3	50.29	17	36.3	K0	21	2968	A -1 2319
17		8.4A	52 0.825	-0.0047	14	-0 10 5.46	-0.023	20	0.29	0.689	17	36.3	5.15	17	36.3	A2	21	2967	A 0 2581
18		8.5A	52 0.939	0.0003	13	-4 11 57.15	0.007	13	0.28	0.934	16	33.2	57.26	16	33.2	K2	17	3850	A -3 2806
19		8.6A	52 6.443	0.0007	12	-4 50 8.04	0.019	12	0.26	6.431	16	33.2	8.37	16	33.2	K2	17	3851	A -4 2752
20		8.7A	52 11.812	-0.0021	12	-7 34 16.10	-0.006	12	0.26	11.848	16	33.2	16.01	16	33.2	A0	16	3839	A -7 2920
21		8.6A	52 14.550	-0.0019	13	-5 18 20.57	-0.017	13	0.28	14.581	16	33.2	20.28	16	33.2	F0	17	3853	A -4 2753
22		9.1A	52 29.577	0.0006	11	-7 13 30.30	-0.017	11	0.24	29.566	16	33.2	30.01	16	33.2	K2	16	3841	A -6 3027
23		9.1A	52 30.033	-0.0013	09	-5 41 0.62	0.014	09	0.22	30.055	16	33.2	0.85	16	33.2	F8 F	17	3855	A -5 2935
24		8.3A	52 31.135	-0.0013	11	-9 55 57.87	-0.001	11	0.24	31.156	16	33.2	57.86	16	33.2	K5	16	3842	A -9 2959
25		9.3A	52 31.160	-0.0007	13	-3 8 50.30	-0.045	13	0.28	31.172	16	33.2	49.54	16	33.2	F5 F	17	3854	A -2 3012
26		8.8A	52 33.493	-0.0003	14	-1 8 56.43	-0.009	20	0.29	33.497	17	36.3	56.30	17	36.3	G5	21	2970	A -0 2268
27		9.2A	52 45.812	0.0014	11	-6 49 44.81	-0.014	11	0.24	45.788	16	33.1	44.58	16	33.1	G5 R	16	3843	A -6 3028
28		8.5A	52 54.290	-0.0005	09	-9 25 36.03	-0.020	09	0.22	54.298	16	33.2	35.71	16	33.2	K2	16	3844	A -8 2795
29		8.2A	53 1.901	0.0008	14	-0 53 16.49	-0.078	20	0.29	1.890	17	36.3	15.43	17	36.3	K0	21	2971	A -0 2270
30		7.3A	53 6.216	0.0007	12	-4 44 17.29	-0.027	12	0.26	6.204	16	33.2	16.85	16	33.2	K2	17	3856	A -4 2757
31		9.0A	53 12.334	-0.0063	09	-9 36 3.95	0.052	09	0.22	12.439	16	33.2	4.83	16	33.2	F8	16	3845	A -9 2962
32		9.1A	53 12.860	0.0003	12	-4 40 30.79	-0.005	12	0.26	12.855	16	33.2	30.72	16	33.2	G8 F	17	3857	A -4 2758
33		8.5A	53 13.758	-0.0016	13	-5 55 8.91	0.007	13	0.28	13.784	16	33.2	9.02	16	33.2	K0	17	3858	A -5 2939
34		6.5T	53 16.571	-0.0007	13	-8 35 56.41	-0.010	12	0.67	16.608	19	00.4	55.93	19	99.6	A3	GC	13665	-8 2797
35		9.1A	53 28.601	0.0003	11	-8 55 18.17	-0.013	11	0.24	28.596	16	33.2	17.95	16	33.2	F2	16	3847	A -8 2798
36		8.3A	53 34.663	-0.0036	09	-3 34 14.85	0.011	09	0.22	34.722	16	33.2	15.03	16	33.2	F8	17	3860	A -3 2815
37		7.0H	53 38.894	-0.0017	02	-7 24 26.90	-0.001	03	0.07	38.933	04	26.4	26.87	04	24.4	K0	F4	1257	-6 3033
38		8.4A	53 56.343	0.0013	11	-3 35 58.85	-0.062	11	0.24	56.321	16	33.2	57.80	16	33.2	F5	17	3861	A -3 2817
39		8.4A	54 5.579	-0.0006	14	-0 13 24.35	-0.019	20	0.29	5.588	17	36.3	24.10	17	36.3	K5	21	2973	A 0 2588
40		8.3A	54 10.819	-0.0154	11	-8 35 52.91	0.128	11	0.24	11.078	16	33.2	55.07	16	33.2	G5	16	3849	A -8 2802
41		8.3A	54 12.243	0.0004	12	-9 0 42.84	-0.025	12	0.26	12.236	16	33.2	42.43	16	33.2	K0	16	3850	A -8 2803
42		8.5A	54 12.785	-0.0016	14	-2 3 3.25	-0.000	20	0.29	12.807	17	36.3	3.24	17	36.3	A2	21	2974	A -1 2324
43		8.9A	54 13.697	-0.0014	14	-1 38 35.16	-0.008	20	0.29	13.717	17	36.3	35.05	17	36.3	A3	21	2975	A -1 2325
44		9.0A	54 14.144	-0.0007	12	-5 7 35.66	0.001	12	0.26	14.156	16	33.2	35.67	16	33.2	M3 F	17	3862	A -4 2762
45		8.2A	54 19.239	-0.0010	13	-5 32 45.52	-0.018	13	0.28	19.255	16	33.2	45.21	16	33.2	F5	17	3863	A -5 2945
46		8.0A	54 33.328	0.0002	12	-9 20 53.61	-0.004	12	0.26	33.324	16	33.2	53.55	16	33.2	G5	16	3852	A -8 2805
47		8.9A	54 33.576	-0.0021	14	-1 6 18.42	-0.071	20	0.29	33.607	17	36.3	17.44	17	36.3	F5	21	2976K	A -0 2272
48		8.7A	54 36.581	-0.0001	11	-9 8 15.48	-0.023	11	0.24	36.581	16	33.2	15.09	16	33.2	A2	16	3853	A -8 2807
49		8.6A	54 38.445	0.0019	13	-3 59 6.32	-0.050	13	0.28	38.412	16	33.2	5.47	16	33.2	G5	17	3864	A -3 2819
50		9.0A	54 44.550	0.0027	13	-3 21 44.09	-0.029	13	0.28	44.504	16	33.2	43.60	16	33.2	F8 F	17	3865	A -2 3017
51		8.5A	9 54 46.394	-0.0034	09	-4 56 38.30	-0.008	09	0.22	46.451	16	33.2	38.15	16	33.2	F5	17	3866	A -4 2764
52		8.8A	54 47.498	0.0020	11	-7 8 17.08	-0.007	11	0.24	47.465	16	33.2	16.97	16	33.2	K5	16	3854	A -6 3040
53		9.0A	54 53.801	-0.0020	15	-3 40 36.11	-0.005	15	0.30	53.834	16	33.2	36.02	16	33.2	F2	17	3867K	A -3 2952
54		8.6A	54 54.575	-0.0001	09	-9 38 49.18	-0.015	09	0.22	54.575	16	33.2	48.94	16	33.2	G5	16	3855	A -9 2967
55		8.4A	54 58.155	-0.0012	11	-7 56 11.89	-0.024	11	0.24	58.176	16	33.2	11.48	16	33.2	K2	16	3856	A -7 2931
56		6.7T	55 11.178	-0.0002	07	-1 42 10.84	-0.000	07	0.39	11.186	12	98.3	10.83	14	97.7	G5	GC	13712K	B* -1 2329
57		8.7A	55 11.492	0.0001	11	-9 30 23.73	0.004	11	0.24	11.489	16	33.2	23.80	16	33.2	K2	16	3857	A -9 2968
58		8.7G	55 15.899	-0.0001	09	-1 42 28.20	-0.025	08	0.42	15.901	15	04.2	26.99	15	02.0	K0	GC	13713	-1 2330
59		9.3A	55 29.125	-0.0038	09	-5 45 50.38	0.034	09	0.22	29.188	16	33.2	50.95	16	33.2	G2 F	17	3868	A -5 2952
60		9.0A	55 30.541	-0.0036	12	-6 12 58.88	0.017	12	0.26	30.601	16	33.2	59.16	16	33.2	K2	17	3869	A -6 2953
61		9.0A	55 49.696	0.0005	13	-6 21 52.40	0.001	13	0.28	49.688	16	33.2	52.41	16	33.2	K0	17	3870	A -5 2954
62		8.3A	55 58.075	-0.0110	11	-3 23 40.55	0.008	11	0.24	58.260	16	33.2	40.68	16	33.2	G5	17	3871	A -2 3022
63		8.6A	56 2.869	0.0020	09	-6 56 45.16	-0.019	09	0.22	2.835	16	33.2	44.85	16	33.2	K0	16	3860	A -6 3045
64		8.2A	56 10.913	-0.0017	13	-3 56 23.20	-0.031	13	0.28	10.941	16	33.2	22.67	16	33.2	K2	17	3872	A -3 2824
65		8.8A	56 13.003	0.0014	11	-8 1 2.41	-0.044	11	0.24	12.979	16	33.2	1.68	16	33.2	F8	16	3861	A -7 2934
66		8.5A	56 25.607	0.0005	13	-3 18 32.26	-0.033	13	0.28	25.599	16	33.2	31.70	16	33.2	F5	17	3873	A -2 3023
67		7.4T	56 29.804	0.0025	09	-2 46 54.26	-0.030	10	0.51	29.677	14	98.3	52.70	15	98.5	F2	GC	13738	-2 3024
68		9.0A	56 30.604	-0.0002	12	-4 13 22.81	-0.005	12	0.26	30.607	16	33.2	22.72	16	33.2	K5	17	3875	A -3 2825
69		7.5A	56 46.467	0.0016	13	-2 50 5.32	-0.036	13	0.28	46.440	16	33.2	4.71	16	33.2	F0	17	3876	A -2 3028
70		8.9A	56 47.568	-0.0052	14	-1 42 30.10	-0.018	20	0.29	47.640	17	36.3	29.85	17	36.3	K5	21	2983	A -1 2332
71		8.9A	56 52.244	-0.0007	13	-5 10 23.13	-0.010	13	0.28	52.256	16	33.2	22.95	16	33.2	K5	17	3877	A -4 2771
72		8.1A	57 4.277	0.0004	12	-7 36 59.40	-0.004	12	0.26	4.271	16	33.2	59.34	16	33.2	G5	16	3862	A -7 2936
73		9.0A	57 5.374	-0.0052	14	-1 20 57.05	-0.016	20	0.29	5.445	17	36.3	56.82	17	36.3	G0	21	2984	A -0 2275
74		9.2A	57 22.266	0.0014	12	-5 24 23.34	-0.061	12	0.26	22.242	16	33.2	22.31	16	33.2	K2	17	3879	A -4 2774
75		8.5A	57 22.494	-0.0019	11	-3 12 38.81	-0.014	11	0.24	22.525	16	33.2	38.57	16	33.2	F0	17	3878	A* -2 3030
76		7.7A	57 33.065	-0.0000	13	-4 46 21.21	0.000	13	0.28	33.065	16	33.2	21.22	16	33.2	K2	17	3880	A -4 2775
77		9.2A	57 36.985	-0.0015	13	-5 21 35.42	-0.014	13	0.28	37.011	16	33.2	35.18	16	33.2	K5 F	17	3881	A -4 2777
78		9.0A	57 37.767	-0.0001	13	-5 3 27.55	-0.030	13	0.28	37.769	16	33.2	27.04	16	33.2	K2	17	3882	A -4 2776
79		8.3A	57 43.391	0.0002	13	-6 27 54.84	-0.039	13	0.28	43.388	16	33.2	54.18	16	33.2	F0	17	3884K	A -6 3054
80		9.0A	57 44.350	-0.0007	14	-0 49 0.54	0.006	20	0.29	44.359	17	36.3	0.62	17	36.3	K0	21	2985	A -0 2277
81		9.0A	57 44.433	-0.0038	17	-4 1 9.62	-0.021	17	0.32	44.496	16	33.2	9.26	16	33.2	F0	17	3883	A -3 2828
82		8.9A	57 52.701	0.0014	09	-7 16 39.40	-0.011	09	0.22	52.678	16	33.2	39.22	16	33.2	A2	16	3865	A -6 3055
83		9.0A	57 54.683	-0.0012	14	-0 59 54.42	-0.009	20	0.29	54.700	17	36.3	54.29	17	36.3	K0	21	2986	A -0 2278
84		7.9A	58 4.785	-0.0014	12	-9 22 19.82	0.000	12	0.26	4.808	16	33.2	19.83	16	33.2	K2	16	3866	A -8 2821
85		8.5A	58 14.168	-0.0008	11	-6 51 24.27	-0.019	11	0.24	14.181	16	33.2	23.94	16	33.2	F2	16	3867	A -6 3056
86		9.1A	58 20.793	-0.0249	11	-9 16 34.38	0.021	09	0.23	21.214	16	33.1	34.75	16	33.1	K8 R	16	3870	A -8 2823
87		8.8A	58 20.969	0.0017	13	-6 27 47.04	-0.051	13	0.28	20.940	16	33.2	46.17	16	33.2	F2	17	3885	A -6 3057
88		9.1A	58 22.278	-0.0031	13	-4 7 19.08	0.007	13	0.28	22.330	16	33.2	19.20	16	33.2	F5	17	3886	A -3 2830
89		8.6A	58 24.146	0.0003	13	-4 1 26.85	0.007	13	0.28	24.140	16	33.2	26.97	16	33.2	A5	17	3887	A -3 2831
90		7.3T	58 27.291	-0.0019	08	-2 56 54.04	0.003	07	0.43	27.397	14	95.2	54.19	14	94.6	K5	GC	13771	-2 3032
91		9.1A	58 39.237	-0.0011	12	-5 33 45.22	0.014	12	0.26	39.255	16	33.2	45.45	16	33.2	G8 F	17	3889	A -5 2969
92		8.9A	58 42.115	-0.0043	14	-0 30 37.20	0.035	20	0.29	42.173	17	36.3	37.68	17	36.3	A0	21	2988	A -0 2280
93		9.1A	58 43.918	-0.0020	13	-3 36 31.14	0.018	13	0.28	43.952	16	33.2	31.44	16	33.2	A3	17	3890	A -3 2832
94		7.5A	59 2.140	0.0003	14	-0 46 36.65	-0.012	20	0.29	2.136	17	36.3	36.48	17	36.3	A0	21	2989	A -0 2281
95		8.8A	59 4.318	-0.0032	13	-2 39 58.61	0.004	13	0.28	4.372	16	33.2	58.68	16	33.2	K0	17	3891	A -2 3036
96		8.8A	59 8.636	-0.0042	14	-1 43 54.95	-0.016	20	0.29	8.693	17	36.3	54.73	17	36.3	K5	21	2990	A -1 2337
97		8.2A	59 15.440	-0.0038	13	-4 53 12.57	0.029	13	0.28	15.503	16	33.2	13.05	16	33.2	K5	17	3892	A -4 2780
98		9.0A	59 19.611	-0.0007	13	-3 41 40.26	-0.006	13	0.28	19.622	16	33.2	40.16	16	33.2	K2	17	3893	A -3 2839
99		8.8A	59 19.711	-0.0028	14	-2 1 47.42	0.004	20	0.29	19.750	17	36.3	47.47	17	36.3	F8	21	2991	A -1 2338
00		8.8A	59 22.164	-0.0027	13	-5 27 53.68	0.020	13	0.28	22.210	16	33.2	54.01	16	33.2	K2	17	3895	A -5 2972

137300

EPOCH 1950 — ORIGINAL EPOCH — SOURCE — −0° 9H

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	DM	DM NUMBER
1		8.5A	9 59 22.942	-0.0009	13	-4 7 43.24	0.002	13	0.28	22.957	16	33.2	43.26	16	33.2	K5	17	3894	A	-3 2840
2		9.2A	59 27.506	-0.0009	11	-7 55 14.92	-0.004	11	0.24	27.521	16	33.1	14.86	16	33.1	G0 R	16	3872	A	-7 2942
3		8.8A	59 31.776	0.0002	11	-3 19 49.45	-0.051	11	0.24	31.773	16	33.2	48.59	16	33.2	F8	17	3896	A	-2 3039
4		9.3A	59 39.584	-0.0020	14	-1 11 40.85	-0.018	20	0.29	39.612	17	36.3	40.60	17	36.3	A2	21	2992	A	-0 2282
5		9.0A	59 51.742	-0.0009	12	-9 36 27.40	0.012	12	0.26	51.757	16	33.2	27.61	16	33.2	K5	16	3875	A	-9 2977
6		8.7A	59 53.634	-0.0078	14	-1 53 42.25	-0.053	20	0.29	53.740	17	36.3	41.52	17	36.3	F8	21	2993	A	-1 2340
7		9.0A	59 56.941	-0.0057	11	-6 51 4.63	0.019	11	0.24	57.037	16	33.2	4.96	16	33.2	F8	16	3877	A	-6 3060
8		8.8A	59 57.484	-0.0012	12	-6 20 32.03	-0.026	12	0.26	57.503	16	33.2	31.59	16	33.2	G0	17	3897	A	-5 2975
9		8.9A	10 0 0.103	-0.0019	11	-7 49 23.08	-0.033	11	0.24	0.135	16	33.2	22.53	16	33.2	G5	16	3878	A	-7 2944
10		9.1A	0 4.569	-0.0021	13	-4 34 14.81	0.002	13	0.28	4.624	16	33.2	14.85	16	33.2	G5 F	17	3898	A	-4 2782
11		8.7A	0 12.816	-0.0010	13	-6 15 41.76	-0.023	13	0.28	12.832	16	33.2	41.37	16	33.2	K2	17	3899	A	-5 2976
12		7.0T	0 16.000	0.0005	05	-0 49 28.48	-0.090	05	0.22	15.980	07	05.2	24.55	06	06.4	K0	GC	13804		-0 2285
13		8.8A	0 21.246	0.0017	13	-5 41 7.43	-0.012	13	0.28	21.217	16	33.2	7.22	16	33.2	K5	17	3900	A	-5 2977
14		9.1A	0 23.660	-0.0005	09	-2 46 4.04	-0.020	09	0.22	23.666	16	33.2	3.70	16	33.2	K5	17	3901	A	-2 3042
15		7.3A	0 25.844	-0.0017	13	-5 22 32.66	-0.008	13	0.28	25.873	16	33.2	32.52	16	33.2	K5	17	3902	A	-4 2784
16		8.3A	0 27.657	-0.0038	12	-9 59 49.19	0.008	12	0.26	27.720	16	33.2	49.33	16	33.2	K5	16	3879	A*	-9 2979
17		8.8A	0 30.491	-0.0041	13	-6 36 25.69	-0.024	13	0.28	30.560	16	33.2	25.28	16	33.2	F2	17	3903	A	-6 3062
18		7.9A	0 37.271	-0.0022	12	-8 38 39.54	-0.007	12	0.26	37.308	16	33.2	39.43	16	33.2	G0	16	3881	A	-8 2833
19		8.3A	0 41.761	0.0007	12	-9 18 57.63	-0.044	12	0.26	41.749	16	33.2	56.90	16	33.2	K0	16	3882	A	-8 2834
20		8.8A	0 43.421	-0.0040	12	-6 23 47.35	-0.003	12	0.26	43.488	16	33.2	47.29	16	33.2	A5	17	3904	A	-5 2979
21		8.5A	0 44.509	-0.0010	12	-8 20 21.09	-0.026	12	0.26	44.525	16	33.2	20.66	16	33.2	A0	16	3884	A	-7 2946
22		9.1A	0 52.074	-0.0045	17	-4 43 14.06	-0.005	17	0.32	52.149	16	33.2	13.96	16	33.2	G8 F	17	3905	A	-4 2786
23		9.1A	1 3.441	-0.0026	13	-5 45 34.18	0.008	13	0.28	3.485	16	33.2	34.31	16	33.2	G5 F	17	3907	A	-5 2981
24		8.8A	1 5.116	0.0031	09	-2 32 0.94	-0.063	09	0.22	5.063	16	33.2	59.54	16	33.2	F8	17	3906	A	-2 3044
25		7.8A	1 6.777	-0.0034	13	-3 14 17.70	0.005	13	0.28	6.834	16	33.2	17.78	16	33.2	K0	17	3908	A	-2 3045
26		6.4T	1 12.732	0.0000	07	-9 19 52.20	-0.016	06	0.27	12.730	12	12.9	51.57	12	09.1	K0	GC	13823		-8 2836
27		9.5A	1 16.634	0.0014	11	-7 16 40.60	-0.007	12	0.25	16.610	16	33.1	40.49	16	33.1	G0 R	16	3887	A	-6 3065
28		8.9A	1 21.032	-0.0004	12	-8 8 35.19	-0.022	12	0.26	21.039	16	33.2	34.83	16	33.2	F5	16	3888	A	-7 2948
29		7.8A	1 21.053	0.0004	12	-9 54 35.51	-0.015	12	0.26	21.046	16	33.2	35.27	16	33.2	G0	16	3889	A	-9 2984
30		9.4A	1 26.999	-0.0008	13	-4 24 0.20	-0.008	13	0.28	27.012	16	33.2	0.06	16	33.2	G8 F	17	3909	A	-3 2844
31		8.9A	1 27.020	0.0008	11	-7 25 9.14	-0.002	11	0.24	27.006	16	33.2	9.10	16	33.2	K2	16	3890	A	-6 3066
32		8.8Q	1 43.894	-0.0051	09	-1 26 57.62	-0.015	05	0.39	44.125	15	05.1	56.74	17	91.8	F8	GC	13840K	B*	-0 2289
33		9.1A	1 44.835	-0.0008	13	-3 56 31.10	-0.002	13	0.28	44.848	16	33.2	31.06	16	33.2	K2 F	17	3910	A	-3 2845
34		9.2A	1 46.019	-0.0042	12	-4 43 6.55	-0.092	12	0.26	46.089	16	33.2	5.00	16	33.2	G5	17	3911	A	-4 2789
35		8.7A	1 50.719	-0.0005	12	-8 55 8.03	-0.033	12	0.26	50.726	16	33.2	7.48	16	33.2	F0	16	3892	A	-8 2838
36		7.5T	1 56.675	0.0099	15	-6 58 20.77	-0.208	13	0.69	56.208	17	02.3	10.81	15	02.0	G5	GC	13843		-6 3068
37		9.0A	2 4.092	0.0001	14	-2 27 44.77	-0.022	20	0.29	4.081	17	36.3	44.46	17	36.3	K2	21	2997	A	-1 2341
38		9.0A	2 13.255	-0.0038	14	-1 5 58.29	-0.122	20	0.29	13.307	17	36.3	56.61	17	36.3	K0	21	2998	A	-0 2291
39		8.7A	2 14.288	-0.0005	12	-8 38 4.60	-0.032	12	0.26	14.295	16	33.2	4.27	16	33.2	K5	16	3895	A	-8 2841
40		8.7A	2 18.581	-0.0044	13	-5 2 59.72	-0.019	13	0.28	18.654	16	33.2	59.40	16	33.2	F8	17	3913	A	-4 2791
41		8.5A	2 25.863	-0.0020	14	-0 13 55.90	-0.019	20	0.29	25.890	17	36.3	55.64	17	36.3	F0	21	2999	A	0 2610
42		9.0A	2 33.631	-0.0014	09	-5 41 0.32	-0.052	09	0.22	33.654	16	33.2	-59.44	16	33.2	F3 F	17	3914	A	-5 2984
43		7.5T	2 40.489	-0.0025	12	-3 16 26.58	-0.004	12	0.67	40.629	17	94.9	26.35	17	95.7	K5	GC	13860		-2 3052
44		7.4A	2 49.022	-0.0020	13	-3 7 52.88	0.022	13	0.28	49.056	16	33.2	53.25	16	33.2	K2	17	3916	A	-2 3053
45		9.1A	2 56.633	-0.0051	12	-5 20 4.85	0.009	12	0.26	56.718	16	33.2	5.00	16	33.2	G2 F	17	3917	A	-4 2794
46		7.9A	3 0.319	-0.0001	12	-9 18 15.75	-0.012	12	0.26	0.320	16	33.2	15.56	16	33.2	A2	16	3896	A	-8 2843
47		8.9A	3 11.425	-0.0048	13	-5 23 51.47	-0.059	13	0.28	11.506	16	33.2	50.47	16	33.2	G8 F	17	3918	A	-4 2795
48		9.0A	3 24.327	-0.0013	13	-5 10 45.29	-0.018	13	0.28	24.349	16	33.2	44.98	16	33.2	A0	17	3919	A	-4 2798
49		9.0A	3 40.152	-0.0086	13	-6 12 52.39	0.011	13	0.28	40.263	16	33.2	52.57	16	33.2	G5 F	17	3920	A	-5 2986
50		8.9A	3 43.143	-0.0017	14	-1 14 50.40	0.013	20	0.29	43.167	17	36.3	50.57	17	36.3	K2	21	3000	A	-0 2294
51		9.2A	10 3 57.206	0.0002	09	-3 6 53.57	-0.019	09	0.22	57.202	16	33.2	53.25	16	33.2	K0 F	17	3921	A	-2 3062
52		9.0A	4 1.895	-0.0025	14	-1 34 29.81	-0.027	20	0.29	1.927	17	36.3	29.43	17	36.3	K0	21	3001	A	-1 2344
53		8.5A	4 12.259	-0.0038	14	-2 9 1.07	-0.025	20	0.29	12.311	17	36.3	0.72	17	36.3	F2	21	3002	A	-1 2346
54		9.0A	4 22.757	-0.0006	13	-4 23 24.81	-0.007	13	0.28	22.766	16	33.2	24.69	16	33.2	F5 F	17	3922	A	-3 2853
55		7.6A	4 27.002	-0.0018	13	-3 2 22.67	-0.008	13	0.28	27.032	16	33.2	22.53	16	33.2	A0	17	3923	A	-2 3067
56		8.7A	4 31.626	0.0006	12	-6 7 54.38	-0.032	12	0.26	31.616	16	33.2	53.83	16	33.2	K5	17	3924	A	-5 2989
57		8.2A	4 35.283	-0.0036	13	-5 19 18.34	-0.020	13	0.28	35.344	16	33.2	17.99	16	33.2	K0	17	3925	A	-4 2802
58		8.9A	4 37.760	-0.0017	11	-9 15 11.33	-0.036	11	0.24	37.789	16	33.2	11.94	16	33.2	K2	16	3899	A	-8 2848
59		9.3A	4 47.391	-0.0012	12	-4 54 7.67	-0.008	12	0.26	47.410	16	33.2	7.52	16	33.2	K2 R	17	3926	A	-4 2803
60		7.5T	4 54.425	-0.0015	11	-7 28 49.00	0.011	10	0.55	54.506	15	97.3	49.59	14	97.8	A2	GC	13905		-7 2961
61		8.9A	4 55.212	0.0005	14	-0 0 44.00	0.008	20	0.29	55.206	17	36.3	44.11	17	36.3	K0	21	3005	A	0 2614
62		8.8A	5 0.502	-0.0019	11	-9 5 44.62	-0.053	11	0.24	0.534	16	33.2	43.74	16	33.2	F8	16	3902	A	-8 2851
63		7.6A	5 4.822	-0.0249	11	-6 11 45.12	0.097	11	0.24	5.241	16	33.2	46.75	16	33.2	G0	17	3927	A	-5 2991
64		6.9T	5 16.361	-0.0019	13	-7 23 9.48	-0.041	13	0.70	16.462	15	97.6	7.38	15	98.3	M0	GC	13912		-6 3078
65		8.8A	5 17.901	-0.0073	09	-9 2 39.14	-0.024	09	0.22	18.023	16	33.2	38.75	16	33.2	K0	16	3904	A	-8 2854
66		4.5T	5 22.720	-0.0012	04	-0 7 35.34	-0.014	03	0.21	22.785	09	97.7	34.57	07	94.8	A0	GC	13916	B*	0 2615
67		8.2A	5 24.511	-0.0009	14	-2 16 39.19	0.026	20	0.29	24.523	17	36.3	39.54	17	36.3	K5	21	3007	A	-1 2352
68		8.5A	5 26.465	-0.0021	13	-5 28 23.80	-0.029	13	0.28	26.501	16	33.2	23.30	16	33.2	K5	17	3928	A	-5 2993
69		9.1A	5 50.061	-0.0025	12	-5 47 54.18	-0.000	12	0.26	50.103	16	33.2	54.17	16	33.2	G	17	3929	A	-5 2995
70		8.9A	5 56.430	-0.0021	12	-7 42 15.62	-0.017	12	0.26	56.464	16	33.2	15.34	16	33.2	K0	16	3905	A	-7 2963
71		8.7A	5 59.206	0.0008	11	-7 27 59.38	-0.002	11	0.24	59.192	16	33.2	59.36	16	33.2	K5	16	3906	A	-7 2964
72		7.5A	5 59.490	-0.0008	11	-3 13 57.66	-0.010	11	0.24	59.503	16	33.2	57.49	16	33.2	K0	17	3930	A	-2 3069
73		8.2A	6 1.014	-0.0005	20	-3 54 4.35	-0.014	20	0.37	1.023	16	33.2	4.10	16	33.2	F2	17	3931	A	-3 2856
74		9.1A	6 18.705	-0.0057	12	-7 22 24.24	0.013	12	0.26	18.801	16	33.2	24.47	16	33.2	G0	16	3907	A	-6 3082
75		9.3A	6 45.516	-0.0022	09	-4 50 23.54	-0.022	09	0.22	45.552	16	33.2	23.16	16	33.2	G5 F	17	3932	A	-4 2806
76		8.0A	6 49.834	0.0010	14	-1 25 19.86	-0.013	20	0.29	49.821	17	36.3	19.68	17	36.3	K5	21	3009	A	-0 2301
77		8.7A	6 53.901	-0.0011	11	-8 28 30.60	0.019	11	0.24	53.920	16	33.2	30.93	16	33.2	K0	16	3908	A	-8 2859
78		8.9A	6 54.367	-0.0013	12	-9 15 30.64	-0.004	12	0.26	54.389	16	33.1	30.57	16	33.1	K2 R	16	3909	A	-8 2860
79		8.8A	6 56.736	-0.0004	12	-9 40 57.53	-0.003	12	0.26	56.742	16	33.2	57.49	16	33.2	K0	16	3910	A	-9 3008
80		8.2A	6 57.080	-0.0021	09	-3 42 6.73	-0.013	09	0.22	57.095	16	33.2	6.51	16	33.2	K5	17	3933	A	-3 2860
81		9.0A	7 5.694	-0.0008	12	-7 50 4.40	-0.015	12	0.26	5.708	16	33.2	4.16	16	33.2	K2	16	3911	A	-7 2969
82		8.8A	7 15.560	-0.0107	12	-4 46 49.70	-0.042	12	0.26	15.740	16	33.2	48.98	16	33.2	G0 R	17	3934	A	-4 2807
83		9.3A	7 20.495	-0.0002	12	-7 49 35.05	-0.016	12	0.26	20.498	16	33.2	34.79	16	33.2	G5	16	3912	A	-7 2970
84		9.0A	7 27.409	-0.0026	13	-6 22 30.83	0.005	13	0.28	27.453	16	33.2	30.91	16	33.2	G0	17	3935K	A	-5 3002
85		6.1T	7 36.418	-0.0021	04	-8 9 42.80	-0.006	03	0.23	38.533	10	96.3	42.47	10	90.8	A0	GC	13969	B*	-7 2972
86		9.2A	7 39.128	-0.0044	13	-3 9 46.26	-0.037	13	0.28	39.202	16	33.2	45.63	16	33.2	F5 F	17	3936	A	-2 3078
87		9.3A	7 40.058	-0.0011	13	-2 50 18.86	-0.060	13	0.28	40.076	16	33.2	17.84	16	33.2	G0 F	17	3937	A	-2 3079
88		9.3A	7 46.149	-0.0000	12	-7 55 56.92	-0.000	12	0.26	46.149	16	33.2	56.91	16	33.2	F0	16	3916	A	-7 2974
89		8.5A	7 50.586	0.0001	12	-8 48 52.77	-0.027	12	0.26	50.583	16	33.2	52.32	16	33.2	K0	16	3917	A	-8 2863
90		8.6A	7 51.054	-0.0009	12	-8 28 1.20	-0.021	12	0.26	51.089	16	33.2	0.85	16	33.2	K0	16	3918	A	-8 2862
91		8.0A	7 53.438	-0.0066	13	-5 13 25.56	-0.008	13	0.28	53.549	16	33.2	25.42	16	33.2	F5	17	3938	A	-4 2809
92		9.1A	7 54.449	-0.0005	13	-5 35 55.42	-0.011	13	0.28	54.457	16	33.2	55.23	16	33.2	K2 F	17	3939	A	-5 3005
93		9.5A	8 4.336	-0.0035	12	-7 47 10.47	-0.014	12	0.26	4.396	16	33.1	10.24	16	33.1	G0 R	16	3920	A	-7 2976
94		8.0A	8 23.834	-0.0018	13	-4 4 36.01	-0.018	13	0.28	23.664	16	33.2	35.70	16	33.2	K0	17	3940	A	-3 2865
95		5.8T	8 26.593	-0.0007	04	-8 10 15.77	-0.049	03	0.22	26.632	10	97.6	13.10	09	95.1	K0	GC	13990	B*	-7 2977
96		7.9A	8 28.866	-0.0003	14	-2 10 5.22	-0.000	20	0.29	28.873	17	36.3	5.22	17	36.3	G5	21	3011	A	-1 2356
97		9.5A	8 39.096	-0.0021	12	-8 40 27.62	-0.027	12	0.26	39.132	16	33.1	27.17	16	33.1	F5 R	16	3922	A	-8 2865
98		8.8A	8 39.496	-0.0002	14	-1 44 14.32	-0.043	20	0.29	39.499	17	36.3	13.73	17	36.3	K0 R	21	3013	A	-1 2358
99		7.7A	8 41.102	0.0002	12	-6 47 50.17	-0.022	12	0.26	41.099	16	33.2	49.79	16	33.2	K2	16	3923	A	-6 3092
00		6.1T	8 47.864	0.0005	04	-7 4 9.91	-0.010	04	0.23	47.840	10	97.6	9.39	10	94.3	A0	GC	13995	B*	-6 3096

137400

EPOCH 1950 — ORIGINAL EPOCH — SOURCE — − 00° 10H

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.		CAT.	STAR NUMBER	DM NUMBER
1		8.2A	10 8 48.113	-0.0006	12	-9 9 18.28	-0.021	12	0.26	48.122	16	33.2	17.93	16	33.2	F8		16	3925	A -8 2866
2		8.5A	8 52.378	-0.0076	12	-3 58 32.31	-0.086	12	0.26	52.506	16	33.2	31.05	16	33.2	G0		17	3941	A -3 2867
3		8.6A	8 56.165	-0.0027	13	-5 34 34.99	0.029	13	0.28	56.210	16	33.2	35.47	16	33.2	K5		17	3942K	A -5 3008
4		8.6A	9 0.084	-0.0030	14	-1 28 55.92	-0.013	20	0.29	0.065	17	36.3	35.74	17	36.3	F5		21	3014	A -1 2359
5		9.1A	9 2.086	-0.0078	14	-0 56 21.73	0.008	20	0.29	2.192	17	36.3	21.83	17	36.3	A2	R	21	3015	A -0 2304
6		7.8A	9 30.920	-0.0051	13	-5 57 21.04	0.025	13	0.28	31.006	16	33.2	21.46	16	33.2	F2		17	3943	A -5 3011
7		8.8A	9 41.754	-0.0023	14	-1 0 47.69	0.003	20	0.29	41.786	17	36.3	47.73	17	36.3	A3		21	3017	A -0 2305
8		8.5A	9 43.438	0.0004	12	-7 34 40.85	0.005	12	0.26	43.431	16	33.2	40.94	16	33.2	F0		16	3926	A -7 2879
9		8.7A	9 45.734	-0.0014	13	-4 48 57.13	0.029	13	0.28	45.756	16	33.2	57.61	16	33.2	K0		17	3944	A -4 2812
10		9.0A	9 46.325	-0.0016	13	-5 42 51.72	-0.015	13	0.28	46.351	16	33.2	51.46	16	33.2	K0	F	17	3946	A -5 3012
11		9.0A	9 46.341	-0.0105	13	-3 29 40.89	-0.232	13	0.28	46.518	16	33.2	36.98	16	33.2	M3	F	17	3945	A -3 2870
12		8.7A	10 15.869	-0.0009	11	-9 7 23.96	-0.007	11	0.24	15.884	16	33.2	23.85	16	33.2	F8		16	3928	A -8 2873
13		8.1A	10 20.424	-0.0012	11	-7 37 21.52	0.000	11	0.24	20.444	16	33.2	21.53	16	33.2	G0		16	3929	A -7 2981
14		9.0A	10 22.458	-0.0027	11	-4 5 21.31	0.001	11	0.24	22.503	16	33.2	21.32	16	33.2	M1	F	17	3947	A -3 2871
15		8.4A	10 40.413	-0.0017	09	-7 45 16.34	0.002	09	0.22	40.441	16	33.2	16.39	16	33.2	G5		16	3930	A -7 2982
16		8.7A	10 43.136	-0.0002	09	-4 58 10.85	-0.010	09	0.22	43.139	16	33.2	10.69	16	33.2	K5	F	17	3948	A -4 2816
17		7.7T	10 46.997	0.0006	08	-8 11 49.81	-0.038	07	0.43	46.968	17	98.4	47.71	15	94.0	G5		GC	14035	-7 2985
18		8.6A	10 51.467	-0.0002	14	-0 41 34.03	0.006	20	0.29	51.470	17	36.3	34.11	17	36.3	F8		21	3018	A -0 2308
19		8.4A	10 51.878	-0.0004	11	-6 44 52.46	-0.007	11	0.24	51.884	16	33.2	52.33	16	33.2	K0		16	3932	A -6 3105
20		9.0A	10 54.043	-0.0004	14	-1 24 58.19	-0.010	20	0.29	54.048	17	36.3	58.05	17	36.3	F0	R	21	3019	A -0 2310
21		7.5T	11 0.467	-0.0048	08	-4 50 19.02	-0.036	07	0.42	0.723	14	97.2	16.92	14	92.5	F2		GC	14036	-4 2817
22		9.0A	11 7.266	0.0002	11	-7 50 20.48	0.002	11	0.24	7.262	16	33.2	20.53	16	33.2	F8		16	3933	A -7 2947
23		8.6A	11 11.221	-0.0024	12	-9 32 18.80	0.028	12	0.26	11.260	16	33.2	19.26	16	33.2	K2		16	3934	A -9 3025
24		7.3T	11 15.122	-0.0129	03	-7 8 9.60	0.015	03	0.20	15.841	09	94.4	10.53	09	89.6	F8		GC	14043	B* -6 3109
25		7.4T	11 15.416	-0.0009	08	-4 58 17.84	-0.017	07	0.43	15.466	14	97.2	16.89	14	95.5	A2		GC	14044	-4 2819
26		9.1A	11 15.448	-0.0011	13	-5 40 3.29	-0.041	13	0.28	15.466	16	33.2	2.59	16	33.2	F8	F	17	3951	A -5 3016
27		7.8A	11 22.894	-0.0003	11	-3 52 32.83	-0.028	11	0.24	22.899	16	33.2	32.36	16	33.2	K0		17	3952	A -3 2873
28		8.6A	11 27.958	-0.0030	13	-4 41 46.78	-0.029	13	0.28	28.007	16	33.2	46.30	16	33.2	F5		17	3953	A -4 2821
29		9.2A	11 33.702	-0.0007	14	-2 29 39.49	0.012	20	0.29	33.711	17	36.3	39.65	17	36.3	K0	R	21	3021	A -2 3094
30		7.1T	11 38.814	-0.0014	04	-7 44 40.38	-0.019	03	0.22	38.885	10	00.6	39.30	10	94.6	K0		GC	14053	B* -7 2989
31		9.1A	11 40.588	-0.0011	11	-9 46 6.45	-0.020	11	0.24	40.607	16	33.1	6.11	16	35.1	F8	R	16	3938	A -9 3027
32		9.1A	11 40.896	-0.0019	11	-8 4 32.13	-0.029	11	0.24	40.927	16	33.2	31.63	16	33.2	F8		16	3937	A -7 2990
33		9.0A	11 54.266	-0.0005	09	-6 18 30.11	-0.027	09	0.22	54.274	16	33.2	29.65	16	33.2	G5		17	3955	A -5 3018
34		8.2A	12 0.292	-0.0009	14	-0 52 40.72	-0.002	20	0.29	0.304	17	36.3	40.69	17	36.3	K2		21	3022	A -0 2312
35		7.8A	12 10.349	-0.0019	13	-2 37 37.13	-0.020	13	0.28	10.380	16	33.2	36.79	16	33.2	A5		17	3956	A -2 3097
36		9.2A	12 15.300	-0.0040	09	-6 58 39.42	0.015	09	0.22	15.367	16	33.2	39.66	16	33.2	G0		16	3940	A -6 3116
37		8.5A	12 23.521	-0.0040	13	-5 59 22.40	-0.041	13	0.28	23.587	16	33.2	21.70	16	33.2	F8		17	3958	A -5 3021
38		9.0A	12 24.877	-0.0023	13	-2 55 10.89	-0.016	13	0.28	24.916	16	33.2	10.62	16	33.2	K2	F	17	3957	A -2 3099
39		8.5A	12 27.427	-0.0005	09	-8 29 28.64	-0.014	09	0.22	27.436	16	33.2	28.41	16	33.2	F5		16	3941	A -8 2879
40		8.8A	12 36.966	0.0001	13	-6 10 27.03	-0.028	13	0.28	36.964	16	33.2	26.55	16	33.2	K0		17	3959	A -5 3024
41		9.0A	12 39.823	-0.0017	14	-1 17 55.20	0.001	20	0.29	39.847	17	36.3	55.21	17	36.3	F2	R	21	3025	A -0 2313
42		8.6A	12 50.749	-0.0028	11	-6 56 2.93	-0.000	11	0.24	50.796	16	33.2	2.92	16	33.2	K0		16	3942	A -6 3117
43		9.0A	12 57.307	-0.0028	09	-5 44 39.51	0.005	09	0.22	57.353	16	33.2	39.59	16	33.2	K2		17	3960	A -5 3025
44		8.4A	13 18.037	-0.0017	14	-1 46 25.93	0.006	20	0.29	18.060	17	36.3	26.01	17	36.3	K0		21	3026	A -1 2365
45		9.3A	13 21.050	-0.0033	12	-5 39 34.17	-0.032	12	0.26	21.105	16	33.2	33.62	16	33.2	F5	F	17	3961	A -5 3026
46		8.9A	13 22.466	-0.0023	14	-2 9 53.40	-0.004	20	0.29	22.498	17	36.3	53.34	17	36.3	G5		21	3027	A -1 2366
47		8.0A	13 30.114	-0.0015	13	-4 50 48.05	0.015	13	0.28	30.140	16	33.2	48.32	16	33.2	K0		17	3962	A -4 2827
48		8.4A	13 34.986	-0.0028	14	-1 20 53.04	-0.015	20	0.29	35.025	17	36.3	52.83	17	36.3	K5		21	3028	A -0 2316
49		9.2A	13 40.814	0.0006	11	-9 29 8.38	0.007	09	0.23	40.803	16	33.1	8.51	16	33.1	K0	R	16	3943	A -9 3030
50		8.5A	13 41.726	-0.0020	13	-3 39 53.43	-0.067	13	0.28	41.759	16	33.2	52.29	16	33.2	F8		17	3963	A -3 2877
51		8.1A	10 13 46.142	-0.0016	13	-5 34 45.75	-0.002	13	0.28	46.169	16	33.2	45.71	16	33.2	B9		17	3964	A -5 3028
52		8.7A	13 52.406	-0.0012	13	-5 0 31.74	-0.024	13	0.28	52.426	16	33.2	31.33	16	33.2	K0		17	3965	A -4 2830
53		9.1A	14 0.062	-0.0002	13	-2 34 35.99	-0.009	13	0.28	0.065	16	33.2	35.84	16	33.2	K5	R	17	3966	A -2 3106
54		8.2A	14 2.473	-0.0072	14	-2 21 6.80	0.008	20	0.29	2.571	17	36.3	6.90	17	36.3	K0		21	3030	A -1 2369
55		7.7A	14 14.570	-0.0058	13	-2 32 50.02	-0.016	13	0.28	14.668	16	33.2	49.75	16	33.2	K0		17	3968	A -2 3108
56		9.1A	14 19.505	-0.0021	11	-8 23 54.17	-0.014	11	0.24	19.541	16	33.2	53.94	16	33.2	K2		16	3946	A -7 2998
57		9.0A	14 19.663	-0.0060	12	-9 30 53.98	0.049	12	0.26	19.764	16	33.2	54.81	16	33.2	K2		16	3947	A -9 3034
58		9.0A	14 20.430	-0.0003	12	-5 35 27.69	-0.015	12	0.26	20.435	16	33.2	27.43	16	33.2	A0		17	3969	A -5 3031
59		8.8A	14 22.840	-0.0026	14	-1 10 0.60	0.003	20	0.29	22.876	17	36.3	0.63	17	36.3	K0	R	21	3032	A -0 2317
60		9.0A	14 26.173	0.0014	12	-8 39 47.80	-0.214	12	0.26	26.149	16	33.2	44.20	16	33.2	K0		16	3949	A -8 2887
61		9.0A	14 28.640	0.0011	13	-3 59 17.71	-0.005	13	0.28	28.622	16	33.2	17.62	16	33.2	K2	F	17	3970	A -3 2881
62		9.0A	14 31.227	-0.0005	12	-8 47 31.73	-0.003	12	0.26	31.235	16	33.2	31.68	16	33.2	K2		16	3950	A -8 2888
63		8.8A	14 48.540	0.0001	00	-6 38 28.07	-0.010	20	0.28	48.539	16	33.2	27.91	16	33.2	K0	F	17	3971	A -6 3121
64		8.2A	14 59.809	-0.0018	13	-3 17 0.43	-0.003	13	0.28	59.839	16	33.2	0.38	16	33.2	A2		17	3972	A -2 3110
65		9.5A	15 3.437	-0.0020	11	-9 40 28.59	-0.001	11	0.24	3.471	16	33.1	28.58	16	33.1	K0	R	16	3952	A -9 3036
66		9.0A	15 4.705	-0.0010	11	-9 27 26.56	-0.002	09	0.23	4.722	16	33.1	26.53	16	33.1	K2	R	16	3953	A -8 2890
67		9.3A	15 5.064	-0.0002	12	-9 30 15.11	-0.009	12	0.26	5.067	16	33.1	14.97	16	33.1	G	R	16	3954	A -9 3037
68		9.2A	15 6.025	-0.0032	12	-9 30 12.79	0.000	12	0.26	6.078	16	33.1	12.80	16	33.1	G	R	16	3955	A -9 3037
69		5.4H	15 8.659	-0.0110	01	-7 49 6.78	-0.001	02	0.06	9.021	02	17.2	6.75	03	16.7	F0		F4	1263	-7 3001
70		8.5A	15 26.045	0.0005	11	-3 34 23.37	-0.005	11	0.24	26.037	16	33.2	23.29	16	33.2	A5		17	3974	A -3 2887
71		9.2A	15 26.335	0.0033	12	-6 39 44.14	-0.058	12	0.26	26.279	16	33.1	43.17	16	33.1	A5	R	16	3957	A -6 3123
72		9.0A	15 29.757	-0.0000	12	-7 37 50.79	-0.004	12	0.26	29.758	16	33.2	50.73	16	33.2	G0		16	3958	A -7 3002
73		9.1A	15 30.540	-0.0029	13	-5 54 31.44	0.004	13	0.28	30.588	16	33.2	31.50	16	33.2	K2	F	17	3975	A -5 3033
74		8.3A	15 34.685	-0.0019	13	-6 10 20.63	0.024	13	0.28	34.717	16	33.2	21.03	16	33.2	A2		17	3976	A -5 3034
75		9.0A	15 36.184	-0.0009	13	-4 13 17.48	0.026	13	0.28	36.200	16	33.2	17.92	16	33.2	K0	F	17	3977	A -3 2888
76		9.0A	15 38.622	-0.0008	12	-8 46 3.35	-0.042	11	0.25	38.635	16	33.2	2.65	16	33.2	K5		16	3960	A -8 2892
77		8.1Q	15 42.866	-0.0018	10	-0 59 37.41	-0.039	08	0.43	42.947	15	06.3	35.57	15	03.0	F2		GC	14141	-0 2319
78		8.6A	15 44.860	-0.0027	13	-3 37 35.27	0.039	13	0.28	44.905	16	33.2	35.93	16	33.2	K0		17	3978	A -3 2890
79		8.8A	15 46.124	-0.0086	13	-3 11 22.01	-0.019	13	0.28	46.268	16	33.2	21.69	16	33.2	F8		17	3979	A -2 3111
80		9.1A	16 5.194	-0.0070	13	-3 34 22.19	0.042	13	0.28	5.312	16	33.2	22.90	16	33.2	F5	F	17	3980	A -3 2891
81		9.0A	16 6.695	0.0008	12	-7 15 2.77	-0.017	12	0.26	6.682	16	33.2	2.49	16	33.2	G5		16	3961	A -6 3125
82		8.6A	16 12.846	-0.0000	12	-8 24 30.97	0.005	12	0.26	12.846	16	33.2	31.06	16	33.2	K0		16	3962	A -7 3005
83		9.0A	16 24.771	0.0062	12	-6 6 48.69	-0.044	12	0.26	24.666	16	33.2	47.94	16	33.2	G2	F	17	3981	A -5 3040
84		9.2A	16 40.722	-0.0050	13	-3 49 38.46	-0.011	13	0.28	40.806	16	33.2	38.26	16	33.2	K2	F	17	3982	A -3 2892
85		8.1Q	16 41.408	-0.0020	09	-9 5 2.60	0.003	07	0.42	41.500	18	04.9	2.77	18	99.2	A2		GC	14162	-8 2895
86		9.8Q	16 47.052	-0.0023	12	-9 42 1.41	-0.028	08	0.44	47.157	19	12.1	0.04	19	00.7	F8		GC	14163	-9 3044
87		9.0A	16 51.016	-0.0004	13	-4 21 24.34	-0.005	13	0.28	51.023	16	33.2	24.25	16	33.2	K2	F	17	3983	A -3 2894
88		8.7A	16 55.627	-0.0027	11	-5 22 55.55	-0.001	11	0.24	55.672	16	33.2	55.52	16	33.2	F2	F	17	3985	A -4 2839
89		8.7A	16 55.823	-0.0052	12	-3 55 54.55	-0.014	12	0.26	55.909	16	33.2	54.31	16	33.2	F0	F	17	3984	A -3 2896
90		6.4T	17 1.155	-0.0036	08	-4 51 12.91	-0.066	07	0.43	1.366	14	95.1	9.10	14	91.8	K0		GC	14171	-4 2840
91		9.2A	17 2.972	0.0045	13	-3 12 17.83	-0.111	13	0.28	2.895	16	33.2	15.96	16	33.2	K0		17	3987	A -2 3117
92		8.6A	17 4.468	-0.0023	13	-3 27 7.40	0.037	13	0.28	4.506	16	33.2	8.02	16	33.2	K0		17	3988	A -2 3118
93		7.6T	17 4.646	-0.0031	09	-4 58 31.48	-0.042	09	0.48	4.801	15	00.6	29.34	15	99.7	F2		GC	14174	-4 2841
94		9.0A	17 9.026	-0.0033	13	-4 27 54.73	-0.024	13	0.28	9.081	16	33.2	54.32	16	33.2	F8	R	17	3990	A -3 2897
95		6.3T	17 30.406	-0.0048	18	-8 48 22.45	-0.073	16	0.90	30.653	21	98.0	18.77	17	99.2	F2		GC	14183	-8 2897
96		8.9A	17 31.684	-0.0041	14	-2 0 54.58	-0.005	20	0.29	31.741	17	36.3	54.51	17	36.3	K0		21	3036	A -1 2378
97		9.1A	17 34.812	-0.0018	13	-4 51 22.93	0.005	13	0.28	34.843	16	33.2	23.03	16	33.2	F5	F	17	3991	A -4 2842
98		8.0A	17 35.426	-0.0016	13	-4 5 30.40	0.012	13	0.28	35.453	16	33.2	30.60	16	33.2	A3		17	3992K	A -3 2900
99		9.0A	17 40.756	-0.0001	13	-4 20 38.85	-0.006	13	0.28	40.758	16	33.2	38.75	16	33.2	K2	R	17	3993	A -3 2901
00		8.7A	17 44.680	-0.0008	11	-7 42 46.47	-0.015	11	0.24	44.693	16	33.1	46.23	16	33.1	K5	R	16	3967	A -7 3009

137500

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ s	σ_μ .001"	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ .001"	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ .01"	ep.	δ_2 ″	σ' .01"	ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	00 10H DM NUMBER
1		9.0A	10 17 49.398	0.0038	14	-2 26 59.78	-0.022	20	0.29	49.346	17	36.3	59.47	17	36.3	G5	21	3037	A -1 2379
2		8.8A	18 4.467	0.0008	11	-6 44 47.84	-0.010	09	0.23	4.453	16	33.1	47.68	16	33.1	K0 R	16	3068	A -6 3129
3		7.7A	18 8.185	-0.0028	13	-5 56 26.86	-0.009	13	0.28	8.231	16	33.2	26.70	16	33.2	A5	17	3065	A -5 3043
4		9.0A	18 12.322	-0.0445	14	-1 12 55.74	-0.188	20	0.29	13.132	17	36.3	53.16	17	36.3	K0	21	3038	A -0 2326
5		7.0T	18 13.254	-0.0038	10	-5 7 47.51	-0.008	09	0.50	13.449	14	99.1	47.07	14	97.4	A2	GC	14196	-4 2846
6		8.7A	18 20.819	-0.0046	09	-7 43 48.52	-0.009	09	0.22	20.697	16	33.2	48.38	16	33.2	A0	16	3069	A -7 3011
7		7.9A	18 24.042	-0.0008	11	-8 18 34.69	-0.002	11	0.24	24.026	16	33.2	34.65	16	33.2	A0	16	3070	A -7 3012
8		8.8A	18 25.846	-0.0015	09	-8 45 12.79	0.017	09	0.22	25.872	16	33.2	13.08	16	33.2	A0	16	3071	A -8 2999
9		7.0T	18 36.048	-0.0016	11	-5 9 48.12	0.016	10	0.56	36.135	14	98.7	48.95	14	97.3	K2	GC	14205	-4 2847
10		8.9A	18 38.729	0.0014	14	-1 24 12.90	-0.047	20	0.29	38.710	17	36.3	12.25	17	36.3	K0	21	3039	A -0 2327
11		7.9A	18 40.042	-0.0037	09	-8 27 25.36	-0.034	09	0.22	40.104	16	33.2	24.78	16	33.2	A5	16	3072	A -7 3014
12		8.8A	18 52.002	-0.0007	13	-4 20 45.69	-0.005	13	0.28	51.991	16	33.2	45.60	16	33.2	K0	17	3066	A -5 2903
13		8.0A	19 5.574	-0.0005	13	-5 36 24.97	0.017	13	0.28	5.582	16	33.2	25.25	16	33.2	K2	17	3999	A -5 2904
14		9.3A	19 11.229	-0.0020	14	-2 26 24.33	-0.020	20	0.29	11.257	17	36.3	25.20	17	36.3	G5 R	21	3041	A* -1 2380
15		7.7P	19 14.445	-0.0001	13	-9 31 13.99	-0.032	11	0.54	14.447	18	08.7	12.63	18	06.9	G5	GC	14228K	B* -9 3092
16		9.0A	19 14.486	-0.0016	13	-5 58 26.79	-0.045	13	0.28	14.492	16	33.2	26.03	16	33.2	G0 F	17	4000	A -5 3047
17		7.5T	19 30.004	-0.0021	07	-0 29 55.35	-0.014	07	0.45	30.129	15	91.6	54.52	15	90.5	G5	GC	14238	-0 2328
18		9.0A	19 50.165	-0.0046	14	-0 53 41.11	-0.001	20	0.29	50.228	17	36.3	41.09	17	36.3	G0 R	21	3043	A -0 2329
19		8.2A	19 51.871	-0.0052	13	-4 10 21.40	0.003	13	0.28	51.959	16	33.2	21.45	16	33.2	G0	17	4001	A -3 2907
20		9.0A	19 55.133	0.0025	12	-3 38 45.32	0.003	12	0.26	55.091	16	33.2	45.37	16	33.2	F2	17	4002	A -3 2908
21		8.8A	19 55.422	-0.0007	11	-8 40 0.38	-0.003	09	0.23	55.434	16	33.1	0.33	16	33.1	K2 R	16	3974	A -8 2904
22		8.7A	20 7.936	0.0001	13	-3 29 18.92	-0.007	13	0.28	7.935	16	33.2	18.80	16	33.2	K2 R	17	4003	A -3 2909
23		9.0A	20 8.300	-0.0023	13	-5 8 6.90	-0.020	13	0.28	8.339	16	33.2	6.55	16	33.2	K2 R	17	4004	A -4 2853
24		7.2T	20 12.605	-0.0010	07	-9 8 30.89	0.009	06	0.40	12.655	17	97.1	31.44	15	92.2	K0	GC	14251	-8 2906
25		8.4A	20 16.321	-0.0008	13	-6 30 1.55	-0.017	13	0.28	16.335	16	33.2	1.26	16	33.2	K0	17	4005	A -6 3134
26		8.9A	20 17.719	-0.0012	13	-6 16 21.99	-0.005	13	0.28	17.739	16	33.2	21.90	16	33.2	K0	17	4006	A -5 3052
27		9.1A	20 24.911	-0.0020	13	-4 31 2.13	0.015	13	0.28	24.944	16	33.2	2.39	16	33.2	K0	17	4007	A -4 2855
28		9.0A	20 28.916	-0.0002	14	-0 6 7.92	-0.020	20	0.29	28.919	17	36.3	7.65	17	36.3	K0 R	21	3046	A -0 2846
29		8.9A	20 40.869	-0.0050	12	-9 25 52.63	0.000	12	0.26	40.973	16	33.1	52.63	16	33.1	G0 R	16	3977	A -8 2907
30		9.4A	20 44.326	-0.0015	12	-9 37 56.44	-0.003	12	0.26	44.352	16	33.1	56.40	16	33.1	A5 R	16	3978	A -9 3057
31		8.1A	20 46.763	-0.0015	09	-7 31 12.23	0.018	09	0.22	46.787	16	33.2	12.54	16	33.2	K0	16	3979	A -7 3021
32		6.6T	20 54.745	0.0038	04	-0 38 54.22	-0.044	03	0.22	54.546	10	97.0	51.66	10	92.0	G5	GC	14267	B* -0 2332
33		6.1H	20 54.805	-0.0035	02	-3 49 14.54	-0.000	02	0.06	54.914	03	19.4	14.52	03	19.6	B9	F4	388	-3 2911
34		6.7T	21 0.674	-0.0005	08	-3 23 22.18	0.002	07	0.49	0.705	14	91.9	22.28	14	88.7	K5	GC	14272	-2 3132
35		9.0A	21 1.609	-0.0032	14	-0 53 44.99	-0.032	20	0.29	1.655	17	36.3	44.55	17	36.3	F5 R	21	3048	A -0 2333
36		8.9A	21 2.056	-0.0056	13	-2 47 29.92	0.025	13	0.28	2.151	16	33.2	30.34	16	33.2	F8	17	4010	A -2 3133
37		7.6A	21 16.253	-0.0029	14	-2 1 21.12	0.006	20	0.29	16.293	17	36.3	21.20	17	36.3	G5	21	3050	A -1 2382
38		8.6A	21 24.013	-0.0013	11	-7 0 17.37	-0.044	11	0.24	24.035	16	33.2	16.64	16	33.2	K2	16	3981	A -6 3139
39		7.3A	21 34.883	0.0007	11	-4 40 24.66	-0.002	11	0.24	34.872	16	33.2	24.61	16	33.2	K0	17	4011	A -4 2861
40		9.1A	21 35.986	-0.0014	12	-9 39 37.06	-0.012	12	0.26	35.990	16	33.1	36.87	16	33.1	F5 R	16	3982	A -9 3062
41		9.2A	21 48.620	-0.0026	11	-9 36 24.63	0.002	11	0.24	48.664	16	33.1	24.67	16	33.1	F8 R	16	3983	A -9 3064
42		7.7A	21 54.615	-0.0015	11	-7 20 2.10	-0.038	11	0.24	54.640	16	33.2	1.47	16	33.2	K5	16	3984	A -6 3140
43		8.6A	22 2.924	-0.0020	14	-2 21 58.66	-0.000	20	0.29	2.952	17	36.3	58.65	17	36.3	K2	21	3052	A -1 2383
44		8.8A	22 6.261	-0.0013	11	-6 23 54.01	-0.024	11	0.24	6.283	16	33.2	53.62	16	33.2	A3	16	3985	A -7 3026
45		7.9A	22 12.621	-0.0029	14	-0 32 9.77	-0.016	20	0.29	12.661	17	36.3	9.54	17	36.3	A0	21	3053	A -0 2337
46		8.8A	22 16.076	0.0010	14	-1 44 59.22	-0.041	20	0.29	16.062	17	36.3	58.65	17	36.3	G0	21	3054	A -1 2384
47		8.0A	22 17.641	-0.0033	14	-0 8 50.99	-0.037	20	0.29	17.687	17	36.3	50.49	17	36.3	F8	21	3055	A 0 2850
48		9.6A	22 19.418	-0.0046	12	-6 17 39.08	-0.000	12	0.26	19.495	16	33.2	39.07	16	33.2	K0 R	17	4013	A -5 3060
49		9.0A	22 20.506	-0.0019	14	-2 6 30.36	-0.016	20	0.29	20.532	17	36.3	30.14	17	36.3	K2 R	21	3056	A -1 2385
50		8.8A	22 23.732	-0.0017	13	-3 15 52.84	-0.000	13	0.28	23.760	16	33.2	52.84	16	33.2	K2	17	4014	A -2 3138
51		8.9A	10 22 24.703	-0.0031	13	-3 43 11.94	0.023	13	0.28	24.755	16	33.2	12.32	16	33.2	K0	17	4015	A -3 2914
52		8.3A	22 27.203	-0.0009	12	-9 32 17.96	-0.006	12	0.26	27.217	16	33.2	17.88	16	33.2	K5	16	3986	A -9 3067
53		8.9A	22 47.012	-0.0006	11	-4 21 32.00	0.003	11	0.24	47.022	16	33.2	32.04	16	33.2	K5 R	17	4016	A -3 2916
54		9.0A	22 52.809	-0.0031	12	-5 49 41.86	0.012	12	0.26	52.861	16	33.2	42.06	16	33.2	G5 R	17	4017	A -5 3061
55		8.7P	22 55.399	0.0028	14	-2 14 11.90	-0.217	12	0.59	55.278	18	07.6	2.11	17	04.9	G5	GC	14313	-1 2386
56		9.1A	22 55.905	-0.0016	09	-4 25 38.26	-0.006	09	0.22	55.932	16	33.2	38.16	16	33.2	G5 R	17	4018	A -3 2917
57		5.9T	23 14.228	-0.0097	04	-6 48 26.02	0.117	04	0.22	14.733	09	98.1	32.09	09	97.9	K5	GC	14321	B* -6 3146
58		8.7A	23 22.733	-0.0050	09	-9 46 33.40	-0.049	09	0.22	22.817	16	33.2	32.59	16	33.2	F8	16	3988	A -9 3072
59		8.8A	23 26.737	-0.0014	11	-7 36 14.78	0.000	11	0.24	26.760	16	33.2	14.79	16	33.2	K2	16	3989	A -7 3030
60		9.0A	23 29.668	-0.0004	14	-2 4 31.97	-0.008	20	0.29	29.674	17	36.3	31.86	17	36.3	K0 R	21	3058	A -1 2388
61		9.4A	23 40.187	-0.0003	13	-4 34 36.55	-0.003	13	0.28	40.191	16	33.2	36.49	16	33.2	A5 R	17	4019	A -4 2869
62		8.7A	23 42.975	-0.0010	13	-3 47 51.16	-0.010	13	0.28	42.992	16	33.2	50.99	16	33.2	K2	17	4020	A -3 2920
63		6.9T	23 47.618	-0.0003	06	-6 10 20.25	-0.013	06	0.41	47.639	14	88.6	19.39	12	86.4	A0	GC	14330	-5 3062
64		9.0A	23 53.981	-0.0019	14	-2 4 56.42	-0.015	20	0.29	54.007	17	36.3	56.21	17	36.3	F8	21	3059	A -1 2390
65		6.8T	24 3.728	-0.0034	03	-0 43 59.76	-0.000	03	0.20	3.910	09	97.2	59.75	09	91.9	K0	GC	14333	B* -0 2341
66		9.3A	24 10.514	-0.0006	12	-6 15 44.91	-0.667	12	0.26	10.523	16	33.2	33.86	16	33.2	K5 R	17	4022	A -5 3063
67		6.6T	24 15.245	-0.0033	04	-4 7 59.64	-0.003	04	0.22	15.405	10	02.2	59.46	10	96.4	K0	GC	14338	B* -3 2921
68		9.0A	24 20.737	-0.0016	14	-0 47 9.43	-0.002	20	0.29	20.760	17	36.3	5.40	17	36.3	G0 R	21	3062	A -0 2342
69		8.5A	24 27.978	-0.0060	13	-5 25 12.10	-0.010	13	0.28	28.079	16	33.2	11.92	16	33.2	F5	17	4025	A -4 2873
70		8.5A	24 28.635	-0.0019	13	-2 47 47.52	-0.014	13	0.28	28.667	16	33.2	47.28	16	33.2	K2	17	4024	A -2 3143
71		8.8A	24 34.614	-0.0008	11	-8 58 2.65	-0.088	11	0.24	34.627	16	33.2	1.51	16	33.2	F8	16	3990	A -8 2923
72		8.5A	24 35.438	-0.0028	13	-4 19 4.11	-0.008	13	0.28	35.485	16	33.2	3.97	16	33.2	F8	17	4026	A -3 2924
73		9.0A	24 37.258	-0.0007	13	-2 46 1.71	-0.005	13	0.28	37.289	16	33.2	1.62	16	33.2	K2	17	4027	A -2 3145
74		9.0A	24 43.440	-0.0089	11	-8 37 26.42	-0.084	09	0.23	43.556	16	33.1	25.34	16	33.1	K2 R	16	3991	A -8 2924
75		8.5A	24 49.018	-0.0039	11	-8 53 8.80	-0.018	11	0.24	49.085	16	33.2	7.70	16	33.2	A3	16	3992	A -8 2925
76		8.0A	24 52.632	-0.0008	09	-7 32 49.35	-0.005	09	0.22	52.645	16	33.2	49.26	16	33.2	K5	16	3993	A -7 3039
77		8.5P	25 2.139	-0.0000	06	-0 42 27.39	-0.006	05	0.34	2.141	14	93.0	27.02	14	88.8	K0	GC	14362	-0 2344
78		8.3A	25 3.080	0.0018	13	-3 15 46.95	-0.012	13	0.28	3.080	16	33.2	46.75	16	33.2	F0	17	4028	A -2 3147
79		9.0A	25 3.130	0.0004	12	-4 10 47.30	0.003	12	0.26	3.123	16	33.2	47.34	16	33.2	K5	17	4029	A -3 2925
80		8.8A	25 17.498	-0.0025	09	-9 17 16.35	-0.007	09	0.22	17.538	16	33.2	16.24	16	33.2	K0	16	3994	A -8 2926
81		9.0A	25 22.801	-0.0023	13	-5 25 10.10	-0.011	13	0.28	22.840	16	33.2	9.91	16	33.2	K5 R	17	4031	A -4 2877
82		8.3T	25 24.058	-0.0030	11	-2 27 28.75	-0.000	07	0.49	24.197	17	02.7	28.74	15	96.7	F2	GC	14369	-1 2391
83		9.1A	25 32.765	-0.0008	15	-3 14 23.52	-0.023	15	0.30	32.778	16	33.2	23.13	16	33.2	G0	17	4032	A -2 3149
84		8.9A	25 39.313	0.0010	11	-4 34 1.73	-0.034	11	0.24	39.298	16	33.2	1.15	16	33.2	F5	17	4033	A -4 2878
85		7.8P	25 42.678	-0.0243	10	-6 20 27.63	-0.295	11	0.52	43.844	14	02.1	13.57	15	02.4	K0	GC	14378	B* -5 3071
86		8.2A	25 50.881	0.0015	14	-0 52 5.47	-0.027	20	0.29	50.881	17	36.3	5.10	17	36.3	A2	21	3065	A -0 2346
87		8.8P	25 57.610	0.0022	11	-8 1 59.74	-0.063	12	0.56	57.512	17	04.8	56.71	15	02.2	A0	GC	14386	-7 3042
88		7.5A	25 59.550	-0.0038	09	-9 37 31.05	0.005	09	0.22	59.614	16	33.2	31.14	16	33.2	K0	16	3997	A -9 3062
89		7.7A	26 3.094	-0.0020	13	-6 2 51.01	-0.010	13	0.28	3.128	16	33.2	50.84	16	33.2	A0	17	4036	A -5 3073
90		8.9A	26 10.007	-0.0048	14	-0 4 48.90	-0.008	20	0.29	10.073	17	36.3	48.80	17	36.3	K5	21	3067	A 0 2858
91		6.1T	26 11.963	-0.0000	04	-3 29 9.67	-0.031	04	0.25	11.865	09	92.8	7.83	09	91.1	A0	GC	14391	-3 2929
92		9.0A	26 11.972	0.0005	13	-5 9 42.75	-0.018	13	0.28	11.963	16	33.2	42.47	16	33.2	F5	17	4038	A -4 2883
93		8.6A	26 12.826	-0.0009	09	-8 40 28.19	-0.018	09	0.22	12.841	16	33.2	27.90	16	33.2	K0	16	3998	A -8 2932
94		9.3A	26 22.527	0.0015	12	-4 25 49.31	0.001	12	0.26	22.501	16	33.2	49.32	16	33.2	G5 R	17	4039	A -3 2930
95		8.7A	26 33.444	-0.0116	12	-4 28 12.50	0.040	12	0.26	33.643	16	33.2	13.17	16	33.2	F5	17	4040	A -3 2931
96		9.6P	26 36.582	-0.0051	17	-5 15 43.73	-0.029	22	0.84	36.794	19	08.8	42.53	21	08.9	G5	GC	14399	-4 2887
97		8.9A	26 37.959	-0.0013	11	-8 50 1.09	-0.017	09	0.23	37.981	16	33.1	0.81	16	33.1	K0 R	16	3999	A -8 2935
98		8.7A	26 43.350	0.0025	13	-3 18 17.37	-0.098	13	0.28	43.306	16	33.2	15.72	16	33.2	G0	17	4042	A -2 3154
99		9.0A	26 53.198	-0.0042	14	-0 50 4.09	-0.006	20	0.29	53.256	17	36.3	4.01	17	36.3	F5	21	3068	A -0 2347
00		5.2H	26 56.300	-0.0034	02	-2 26 57.21	-0.018	02	0.07	56.420	03	15.1	56.59	03	15.7	B9	F4	1270	-2 3155

137600 — EPOCH 1950 — ORIGINAL EPOCH — SOURCE — −00 10H

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.		CAT.	STAR NUMBER	DM	DM NUMBER
1		9.2A	10 27 3.499	-0.0072	13	-5 27 47.28	-0.006	13	0.28	3.619	16	33.2	47.17	16	33.2	GO	R	17	4044	A	-4 2888
2		8.8A	27 4.395	0.0006	09	-8 52 16.70	-0.057	09	0.22	4.385	16	33.2	15.75	16	33.2	GO		16	4000	A	-8 2938
3		9.0A	27 16.594	0.0001	13	-4 1 56.76	0.027	13	0.28	16.592	16	33.2	57.21	16	33.2	K5		17	4045	A	-3 2933
4		8.2P	27 17.490	-0.0059	08	-3 39 30.38	-0.030	05	0.37	17.783	17	00.8	28.60	15	91.5	GO		GC	14422K	B*	-3 2934
5		8.6A	27 29.249	-0.0023	14	-1 56 49.11	-0.006	20	0.29	29.281	17	36.3	49.03	17	36.3	K2		21	3070	A	-1 2396
6		8.6A	27 39.616	-0.0016	13	-3 26 22.46	-0.016	13	0.28	39.643	16	33.2	22.19	16	33.2	F2		17	4047	A	-2 3160
7		9.2A	27 39.713	-0.0011	11	-9 26 21.84	-0.033	09	0.23	39.732	16	33.1	21.28	16	33.1	F5	R	16	4001	A	-8 2942
8		5.0T	27 44.099	-0.0028	03	-0 22 47.84	-0.026	03	0.17	44.237	09	01.4	46.51	07	98.8	B5		GC	14431	B*	0 2663
9		9.0A	27 48.220	-0.0001	13	-2 58 54.71	-0.005	13	0.28	48.222	16	33.2	54.62	16	33.2	F5		17	4048	A	-2 3161
10		9.0A	28 11.165	-0.0020	13	-4 35 10.59	-0.002	13	0.28	11.198	16	33.2	10.54	16	33.2	K0		17	4049	A	-4 2890
11		9.0A	28 16.168	-0.0001	09	-4 47 55.16	0.005	09	0.22	16.169	16	33.2	55.25	16	33.2	A2		17	4050	A	-4 2892
12		9.3A	28 23.457	0.0011	11	-8 11 23.26	-0.019	09	0.23	23.438	16	33.1	22.95	16	33.1	F8	R	16	4003	A	-7 3052
13		8.6A	28 27.864	-0.0003	12	-6 44 27.91	-0.009	12	0.26	27.869	16	33.2	27.77	16	33.2	F0		16	4004	A	-6 3172
14		6.4T	28 28.480	-0.0029	04	-7 22 49.43	0.000	03	0.22	28.641	07	95.0	49.46	07	90.0	K5		GC	14442K	B*	-6 3173
15		8.6A	28 29.681	-0.0003	14	-2 16 58.32	-0.079	20	0.29	29.686	17	36.3	57.24	17	36.3	K0		21	3072	A	-1 2398
16		9.1A	28 38.339	0.0017	12	-4 47 21.99	0.010	12	0.26	38.310	16	33.2	22.16	16	33.2	F2		17	4051	A	-4 2894
17		9.0A	28 47.565	-0.0036	13	-6 7 50.70	-0.003	13	0.28	47.626	16	33.2	50.64	16	33.2	F0		17	4052	A	-5 3077
18		8.6A	28 53.958	-0.0010	13	-3 29 10.72	-0.000	13	0.28	53.975	16	33.2	10.72	16	33.2	K2		17	4053	A	-3 2939
19		8.9A	28 56.714	0.0041	14	-0 46 34.48	-0.030	20	0.29	56.658	17	36.3	34.06	17	36.3	G5		21	3074	A	-0 2353
20		8.5A	29 1.328	-0.0010	13	-2 36 34.09	0.024	13	0.28	1.345	16	33.2	34.49	16	33.2	K0		17	4054	A	-2 3165
21		7.8A	29 14.786	-0.0015	12	-8 41 40.10	-0.043	12	0.26	14.810	16	33.2	39.38	16	33.2	K5		16	4006	A	-8 2945
22		8.7A	29 21.550	-0.0024	09	-9 35 29.92	-0.005	09	0.22	21.589	16	33.2	29.84	16	33.2	K2		16	4007	A	-9 3094
23		9.0A	29 21.787	0.0015	14	-2 8 55.84	-0.046	20	0.29	21.766	17	36.3	55.20	17	36.3	K2		21	3076	A	-1 2401
24		9.0A	29 32.984	-0.0028	14	-1 54 10.78	-0.000	20	0.29	33.022	17	36.3	10.77	17	36.3	F0		21	3077	A	-1 2404
25		8.5A	29 34.566	-0.0025	14	-2 23 57.36	-0.062	20	0.29	34.601	17	36.3	56.50	17	36.3	K0		21	3078	A	-1 2403
26		8.4A	29 44.007	-0.0042	12	-7 56 13.96	0.010	12	0.26	44.078	16	33.2	14.12	16	33.2	F5		16	4009K	A	-7 3055
27		9.3A	29 52.488	-0.0029	12	-8 16 43.05	-0.029	12	0.26	52.537	16	33.1	42.57	16	33.1	F8	R	16	4010	A	-7 3056
28		6.9T	29 57.481	-0.0009	10	-5 49 0.58	-0.039	10	0.54	57.526	15	97.1	58.55	15	98.3	K0		GC	14483K		-5 3080
29		8.6A	30 0.893	-0.0052	14	-0 54 35.71	0.037	20	0.29	0.963	17	36.3	36.22	17	36.3	K0		21	3079	A	-0 2355
30		8.0A	30 1.504	-0.0011	11	-3 55 31.50	0.015	11	0.24	1.523	16	33.2	31.75	16	33.2	K5		17	4057	A	-3 2943
31		9.1A	30 4.748	0.0003	12	-6 35 44.12	-0.003	09	0.23	4.743	16	33.1	44.08	16	33.1	F8	R	16	4011	A	-6 3180
32		9.1A	30 8.926	0.0006	12	-6 38 5.99	0.005	12	0.26	8.915	16	33.2	6.07	16	33.2	G5		17	4058	A	-6 3181
33		8.9T	30 10.281	0.0035	08	-0 36 30.34	-0.044	05	0.37	10.125	18	05.3	27.86	17	93.2	F8		GC	14486K	B*	-0 2356
34		7.1T	30 42.962	0.0069	12	-5 6 8.67	-0.167	12	0.68	42.582	17	95.1	59.76	17	96.5	K0		GC	14502		-4 2898
35		9.1A	30 46.519	0.0015	12	-6 57 24.74	-0.028	12	0.26	46.492	16	33.1	24.27	16	33.1	K2	R	16	4014	A	-6 3185
36		8.6A	30 46.602	-0.0059	12	-9 6 40.81	0.000	12	0.26	46.701	16	33.2	40.81	16	33.2	F8		16	4015	A	-8 2946
37		9.2A	30 49.523	-0.0009	14	-2 22 27.88	-0.019	20	0.29	49.536	17	36.3	27.62	17	36.3	A2		21	3081	A	-1 2407
38		9.0A	30 59.635	-0.0010	14	-0 54 38.23	-0.019	20	0.29	59.648	17	36.3	37.98	17	36.3	K2	R	21	3082	A	-0 2357
39		9.1A	31 4.690	-0.0010	13	-4 1 1.65	0.007	13	0.28	4.707	16	33.2	1.77	16	33.2	K5		17	4060	A	-3 2947
40		9.3A	31 9.263	-0.0005	11	-9 30 56.23	0.017	11	0.24	9.272	16	33.1	56.52	16	33.1	K0	R	16	4017	A	-9 3099
41		8.8A	31 10.313	-0.0018	14	-2 12 2.25	-0.014	20	0.29	10.338	17	36.3	2.06	17	36.3	K5		21	3083	A	-1 2408
42		9.0A	31 13.517	-0.0016	12	-6 7 15.79	-0.026	12	0.26	13.544	16	33.2	15.36	16	33.2	K0		17	4061	A	-5 3089
43		9.1A	31 23.248	0.0011	12	-3 40 24.15	-0.012	12	0.26	23.230	16	33.2	23.95	16	33.2	F8		17	4062	A	-3 2948
44		8.9A	31 24.315	-0.0015	13	-4 36 59.38	-0.012	13	0.28	24.341	16	33.2	59.17	16	33.2	F5		17	4063	A	-4 2901
45		9.2A	31 42.301	-0.0005	11	-7 54 35.72	-0.006	09	0.23	42.308	16	33.1	35.63	16	33.1	K0	R	16	4018	A	-7 3060
46		8.7A	31 45.848	-0.0007	11	-9 1 17.93	-0.008	11	0.24	45.861	16	33.2	17.80	16	33.2	K5		16	4019	A	-8 2954
47		8.8A	31 47.457	0.0004	11	-3 26 12.81	0.016	11	0.24	47.451	16	33.2	13.09	16	33.2	K2		17	4064	A	-2 3173
48		7.3A	31 48.798	-0.0040	12	-9 38 26.03	-0.002	12	0.26	48.866	16	33.2	26.00	16	33.2	F5		16	4020	A	-9 3101
49		9.0A	31 57.660	-0.0006	09	-8 51 27.70	-0.019	09	0.22	57.670	16	33.2	27.38	16	33.2	A3		16	4021	A	-8 2956
50		9.1A	31 59.525	-0.0006	12	-5 46 29.82	-0.011	12	0.26	59.535	16	33.2	29.64	16	33.2	K2		17	4065	A	-5 3093
51		9.1A	10 32 5.393	0.0007	13	-3 50 51.51	-0.029	13	0.28	5.381	16	33.2	51.03	16	33.2	K5		17	4066	A	-3 2949
52		9.1A	32 13.904	0.0004	13	-6 22 1.93	-0.058	13	0.28	13.896	16	33.2	0.96	16	33.2	G0		17	4067	A	-5 3094
53		6.6T	32 18.144	0.0012	11	-3 38 18.75	-0.162	10	0.59	18.081	15	96.4	10.22	15	97.3	F8		GC	14538		-3 2950
54		9.2A	32 18.419	-0.0004	13	-6 17 6.25	-0.032	13	0.28	18.426	16	33.2	5.72	16	33.2	G5		17	4069	A	-5 3096
55		9.0A	32 19.638	0.0038	12	-7 39 55.57	-0.128	13	0.27	19.573	16	33.1	53.41	16	33.1	G5	R	16	4024	A	-7 3061
56		9.8A	32 31.706	0.0024	12	-9 35 2.91	0.002	12	0.26	31.665	16	33.1	2.94	16	33.1	K2	R	16	4025	A	-9 3103
57		8.9A	32 40.977	-0.0041	14	-0 7 5.95	-0.006	20	0.29	41.034	17	36.3	5.87	17	36.3	G0		21	3086	A	0 2673
58		9.1A	32 52.286	-0.0053	13	-5 59 55.03	0.019	13	0.28	52.374	16	33.2	55.36	16	33.2	F5		17	4071	A	-5 3097
59		8.8A	32 53.593	0.0009	13	-2 46 55.73	-0.003	13	0.28	53.578	16	33.2	55.69	16	33.2	F2		17	4070	A	-2 3177
60		7.5A	32 54.035	-0.0038	12	-5 6 10.30	0.002	12	0.26	54.099	16	33.2	10.32	16	33.2	A2		17	4072	A	-4 2906
61		9.0A	33 1.544	0.0003	13	-3 44 40.43	-0.020	15	0.29	1.538	16	33.2	40.10	16	33.2	F5		17	4073	A	-3 2951
62		9.3A	33 14.549	0.0092	12	-4 21 0.44	-0.173	12	0.26	14.395	16	33.2	57.53	16	33.2	K0		17	4074	A	-3 2956
63		9.0A	33 19.326	0.0002	14	-1 47 37.33	0.003	20	0.29	19.322	17	36.3	37.37	17	36.3	A0		21	3087	A	-1 2410
64		9.1A	33 20.436	-0.0040	14	-1 54 54.15	-0.011	20	0.29	20.491	17	36.3	54.00	17	36.3	K0	R	21	3088	A	-1 2409
65		8.2A	33 21.224	0.0007	12	-8 16 28.10	-0.063	12	0.26	21.212	16	33.2	27.04	16	33.2	K2		16	4026	A	-7 3066
66		9.0A	33 35.390	0.0006	12	-3 5 43.08	-0.020	12	0.26	35.381	16	33.2	42.75	16	33.2	K0		17	4075	A	-2 3179
67		8.6A	33 49.905	-0.0024	14	-1 30 52.92	0.006	20	0.29	49.939	17	36.3	53.00	17	36.3	F8		21	3089	A	-1 2411
68		9.0A	33 55.260	-0.0017	14	-1 28 12.15	-0.021	20	0.29	55.283	17	36.3	11.87	17	36.3	F8		21	3090	A	-0 2360
69		9.1A	33 56.238	-0.0035	09	-5 34 29.77	-0.019	09	0.22	56.296	16	33.2	29.46	16	33.2	G5		17	4076	A	-5 3103
70		9.0A	33 58.140	0.0005	13	-4 34 9.90	-0.013	13	0.28	58.132	16	33.2	9.68	16	33.2	K0		17	4077	A	-4 2910
71		8.9A	33 59.138	-0.0021	13	-6 17 33.19	-0.025	13	0.28	59.173	16	33.2	32.78	16	33.2	G0	R	17	4078	A	-5 3104
72		8.0A	34 12.918	-0.0017	12	-8 27 3.93	-0.039	12	0.26	12.947	16	33.2	3.28	16	33.2	K5		16	4028	A	-7 3069
73		8.4A	34 13.126	-0.0005	11	-9 21 24.68	-0.005	11	0.24	13.135	16	33.2	24.60	16	33.2	G5		16	4029	A	-8 2961
74		8.9A	34 13.274	-0.0023	12	-9 34 18.34	0.004	12	0.26	13.313	16	33.2	18.41	16	33.2	G5		16	4030	A	-9 3109
75		8.3A	34 15.443	-0.0034	13	-6 37 56.99	-0.041	13	0.28	15.501	16	33.2	56.31	16	33.2	F8		17	4079	A	-6 3194
76		9.3A	34 18.858	0.0007	12	-9 5 34.44	-0.010	12	0.26	18.847	16	33.1	34.27	16	33.1	A5	R	16	4032	A	-8 2962
77		8.5A	34 23.018	-0.0021	12	-7 31 24.63	-0.009	12	0.26	23.054	16	33.2	24.49	16	33.2	F2		16	4033	A	-7 3070
78		7.1T	34 30.267	-0.0067	08	-8 34 45.86	-0.060	07	0.32	30.537	07	09.7	43.45	07	09.8	G0		GC	14596K	B*	-8 2963
79		9.3A	34 30.371	-0.0059	13	-5 18 54.55	-0.015	13	0.28	30.470	16	33.2	54.29	16	33.2	F8	R	17	4080	A	-4 2912
80		9.4A	34 35.508	-0.0006	12	-4 15 56.26	-0.011	12	0.26	35.518	16	33.2	56.07	16	33.2	G5	F	17	4081	A	-3 2961
81		9.2A	34 42.004	0.0003	11	-7 41 31.38	-0.016	11	0.24	41.999	16	33.1	31.11	16	33.1	MA	R	16	4035	A	-7 3072
82		9.0A	34 42.919	-0.0009	13	-2 48 39.74	-0.005	13	0.28	42.934	16	33.2	39.66	16	33.2	F0		17	4082	A	-2 3181
83		9.0A	34 46.246	-0.0043	14	-0 12 52.67	-0.016	20	0.29	46.304	17	36.3	52.45	17	36.3	G		21	3091	A	0 2680
84		9.1A	34 47.045	-0.0023	13	-3 59 12.15	0.010	13	0.28	47.084	16	33.2	12.32	16	33.2	K0		17	4083	A	-3 2962
85		9.0A	34 53.308	-0.0002	14	-2 6 52.68	0.006	20	0.29	53.311	17	36.3	52.76	17	36.3	K0	R	21	3092	A	-1 2413
86		9.1A	34 53.489	-0.0008	12	-6 26 40.91	-0.002	12	0.26	53.502	16	33.2	40.88	16	33.2	K0	R	17	4084	A	-5 3107
87		9.0A	34 58.049	-0.0040	12	-9 16 19.40	0.053	12	0.26	58.116	16	33.2	20.30	16	33.2	G0		16	4037	A	-8 2966
88		9.0A	35 2.503	-0.0031	14	-0 20 17.14	0.003	20	0.29	2.546	17	36.3	17.18	17	36.3	G0		21	3093	A	0 2682
89		8.6A	35 8.565	-0.0005	11	-9 27 29.74	-0.006	11	0.24	8.574	16	33.2	29.65	16	33.2	A2		16	4038	A	-8 2967
90		8.9A	35 9.604	0.0011	11	-3 37 45.17	-0.029	11	0.24	9.586	16	33.2	44.69	16	33.2	F5		17	4085	A	-3 2965
91		9.3A	35 26.142	-0.0021	12	-8 46 27.54	-0.040	12	0.26	26.177	16	33.1	26.87	16	33.1	F8	R	16	4039	A	-8 2968
92		9.3A	35 28.894	-0.0025	13	-4 5 11.69	-0.011	13	0.28	28.937	16	33.2	11.51	16	33.2	F5		17	4086	A	-3 2966
93		9.0A	35 32.737	-0.0060	14	-1 58 24.40	-0.138	20	0.29	32.818	17	36.3	22.51	17	36.3	G0		21	3094	A	-1 2414
94		8.8A	35 34.183	-0.0010	13	-5 45 21.69	0.014	13	0.28	34.200	16	33.2	21.93	16	33.2	G0		17	4087	A	-5 3110
95		9.1A	35 37.828	-0.0043	11	-8 13 47.91	-0.050	11	0.24	37.900	16	33.1	47.06	16	33.1	G5	R	16	4041	A	-7 3078
96		8.9A	35 38.019	0.0013	14	-1 42 51.19	-0.021	20	0.29	38.002	17	36.3	50.90	17	36.3	A3		21	3095	A	-1 2415
97		9.4A	35 40.546	-0.0006	13	-5 40 42.37	0.009	13	0.28	40.555	16	33.2	42.53	16	33.2	A5	R	17	4088	A	-5 3111
98		8.3A	35 59.263	-0.0026	14	-1 47 25.12	-0.008	20	0.29	59.298	17	36.3	25.01	17	36.3	A3		21	3096	A	-1 2417
99		8.0A	36 1.651	-0.0006	12	-6 55 17.87	-0.007	12	0.26	1.661	16	33.2	17.76	16	33.2	K2		16	4043	A	-6 3201
00		9.0A	36 3.830	-0.0007	12	-8 16 14.83	0.013	12	0.26	3.841	16	33.1	15.05	16	33.1	G0	R	16	4044	A	-7 3079

137700

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	EPOCH 1950 μ s	σ_μ .001"	EPOCH 1950 δ_{1950} ° ′ ″	EPOCH 1950 μ' ″	$\sigma_{\mu'}$ .001"	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ .01"	ep.	δ_2 ″	σ' .01"	ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	DM	DM NUMBER
1		8.9A	10 36 5.790	-0.0010	14	-2 14 24.36	-0.036	20	0.29	5.804	17	36.3	23.87	17	36.3	K5	21	3097	A	-1 2418
2		9.3A	36 11.763	-0.0003	12	-4 41 1.18	-0.053	12	0.26	11.768	16	33.2	0.29	16	33.2	G0 R	17	4089	A	-4 2917
3		8.3A	36 20.211	-0.0018	12	-7 57 50.00	-0.016	12	0.26	20.180	16	33.2	49.74	16	33.2	K5	16	4045	A	-7 3081
4		8.8A	36 20.648	-0.0004	09	-3 35 25.90	0.011	09	0.22	20.655	16	33.2	26.09	16	33.2	G5	17	4090	A	-3 2969
5		8.7A	36 25.301	-0.0031	12	-9 53 21.71	-0.081	12	0.26	25.354	16	33.2	20.36	16	33.2	K0	16	4046	A	-9 3113
6		8.7A	36 28.178	-0.0045	13	-6 24 28.31	-0.017	13	0.28	28.253	16	33.2	28.03	16	33.2	F0	17	4081	A	-5 3113
7		8.9A	36 36.514	0.0015	12	-7 18 50.52	-0.022	12	0.26	36.488	16	33.1	50.15	16	33.1	K5 R	16	4048	A	-8 3204
8		8.7A	36 37.784	0.0004	13	-5 37 16.35	-0.005	13	0.28	37.716	16	33.2	16.27	16	33.2	A2	17	4082K	A	-5 3114
9		8.6A	36 45.281	0.0010	12	-5 57 11.44	-0.109	12	0.26	45.284	16	33.2	9.61	16	33.2	K2	17	4093	A	-5 3116
10		8.9A	36 59.646	-0.0019	11	-8 21 38.18	-0.042	11	0.24	59.677	16	33.1	37.48	16	33.1	F8 R	16	4050	A	-7 3082
11		7.7A	36 59.811	-0.0011	11	-7 42 9.08	0.001	11	0.24	59.829	16	33.2	9.10	16	33.2	K5	16	4049	A	-7 3083
12		8.7A	37 1.883	-0.0088	14	-2 5 10.35	-0.003	20	0.29	1.920	17	36.3	10.31	17	36.3	K0	21	3098	A	-1 2419
13		8.6A	37 5.123	0.0005	12	-9 45 56.61	-0.009	12	0.26	5.115	16	33.2	56.46	16	33.2	K0	16	4051	A	-9 3115
14		8.7A	37 18.762	0.0009	11	-9 26 29.66	-0.003	11	0.24	18.748	16	33.2	29.71	16	33.2	G5	16	4052	A	-8 2975
15		8.8A	37 40.742	0.0084	14	-0 38 1.42	-0.014	20	0.29	40.710	17	36.3	1.23	17	36.3	G0	21	3101	A	-0 2362
16		8.0A	37 44.573	-0.0010	13	-6 25 45.76	0.013	13	0.28	44.589	16	33.2	45.99	16	33.2	K2	17	4094	A	-5 3120
17		7.9A	37 45.095	-0.0022	12	-8 46 58.61	-0.006	11	0.25	45.132	16	33.2	58.53	16	33.2	K2	16	4054	A	-8 2976
18		9.1A	37 54.853	-0.0033	12	-6 13 16.56	-0.001	12	0.26	54.907	16	33.2	16.55	16	33.2	K0 R	17	4095	A	-5 3121
19		9.0A	38 6.890	-0.0046	14	-1 55 33.41	-0.015	20	0.29	6.952	17	36.3	33.21	17	36.3	G5	21	3102K	A	-1 2422
20		9.2A	38 19.420	-0.0009	11	-8 46 37.23	-0.043	11	0.24	19.435	16	33.3	36.52	16	33.3	G0 R	16	4056	A	-8 2978
21		9.0A	38 19.986	0.0004	13	-5 17 2.79	-0.037	13	0.28	19.979	16	33.2	2.16	16	33.2	G	17	4096	A	-4 2921
22		9.0A	38 23.307	0.0006	14	-0 24 27.85	0.003	20	0.29	23.299	17	36.5	27.89	17	36.5	F8 R	21	3104	A	0 2890
23		8.9A	38 33.151	-0.0034	12	-9 49 38.57	-0.021	12	0.26	33.209	16	33.2	38.22	16	33.2	G0	16	4057	A	-9 3118
24		8.8A	38 35.225	-0.0003	12	-8 34 50.09	0.000	12	0.26	35.231	16	33.2	50.10	16	33.2	A2	16	4058	A	-8 2981
25		7.4T	38 36.985	-0.0022	09	-0 0 51.33	-0.034	07	0.49	37.104	18	96.2	49.24	15	89.3	F0	GC	14690K	B*	0 2893
26		8.7A	38 37.121	-0.0002	13	-3 30 2.17	-0.029	13	0.28	37.126	16	33.2	1.69	16	33.2	F5	17	4097	A	-3 2976
27		9.0A	38 46.874	-0.0046	11	-7 41 51.57	-0.036	11	0.24	46.950	16	33.3	50.97	16	33.3	G0 R	16	4059	A	-7 3089
28		6.4H	38 51.535	-0.0093	01	-1 28 41.50	-0.125	01	0.04	51.629	02	18.5	37.30	02	15.4	K0	F4	404	-0	2364
29		9.0A	38 59.951	-0.0030	13	-4 32 3.04	-0.013	13	0.28	+ 0.002	16	33.2	2.82	16	33.2	F8 F	17	4098	A	-4 2922
30		9.0A	39 17.183	0.0018	12	-9 34 17.69	-0.034	12	0.25	17.152	16	33.3	17.13	16	33.3	F8 R	16	4061	A	-9 3120
31		9.1A	39 17.409	-0.0001	12	-7 18 21.55	-0.012	12	0.26	17.411	16	33.2	21.35	16	33.2	F8	16	4060	A	-6 3210
32		9.1A	39 19.397	-0.0027	12	-8 28 14.36	-0.015	12	0.25	19.442	16	33.3	14.12	16	33.3	K0 R	16	4062	A	-7 3093
33		9.0A	39 21.046	-0.0022	13	-4 32 10.20	-0.007	13	0.28	21.083	16	33.2	10.08	16	33.2	K5	17	4099	A	-4 2925
34		7.5T	39 21.732	-0.0001	10	-7 47 38.95	-0.031	13	0.63	21.736	15	97.9	37.39	15	99.5	K2	GC	14706	-7	3094
35		7.6A	39 22.472	0.0002	13	-6 18 46.44	-0.025	13	0.28	22.468	16	33.2	46.01	16	33.2	F8	17	4101	A	-5 3124
36		8.2A	39 22.857	-0.0033	13	-3 48 44.54	-0.022	13	0.28	22.913	16	33.2	44.18	16	33.2	F2	17	4100	A	-3 2977
37		9.2A	39 32.980	0.0007	13	-5 17 15.51	0.010	13	0.28	32.968	16	33.2	15.68	16	33.2	G5 R	17	4102	A	-4 2927
38		9.0A	39 54.925	-0.0007	14	-1 52 20.38	-0.042	20	0.29	54.934	17	36.3	19.81	17	36.3	G5	21	3108	A	-1 2428
39		7.0T	39 56.980	0.0005	12	-8 27 54.75	-0.001	11	0.61	56.933	15	96.4	54.81	14	96.4	K0	GC	14722	-7	3097
40		8.7A	39 57.912	-0.0018	13	-5 33 2.10	-0.004	13	0.28	57.941	16	33.2	2.04	16	33.2	F0	17	4103	A	-5 3125
41		9.0A	40 0.107	-0.0031	14	-2 15 35.49	-0.019	20	0.29	0.149	17	36.3	35.23	17	36.3	K5	21	3109	A	-1 2429
42		9.3A	40 2.984	-0.0023	11	-8 4 44.64	-0.002	09	0.23	3.023	16	33.3	44.61	16	33.3	A5 R	16	4065	A	-7 3099
43		7.2T	40 15.580	-0.0021	08	-1 55 6.24	-0.223	10	0.48	15.689	14	98.8	-55.13	15	00.1	G5	GC	14729	-1	2431
44		9.3A	40 26.443	-0.0024	13	-6 31 33.19	-0.002	13	0.28	26.484	16	33.2	33.16	16	33.2	K2 R	17	4105	A	-6 3216
45		9.1A	40 30.303	0.0028	12	-6 37 0.15	-0.017	12	0.26	30.256	16	33.2	-59.87	16	33.2	K0	17	4107	A	-6 3217
46		8.2A	40 31.090	-0.0007	13	-4 8 41.35	0.009	13	0.28	31.102	16	33.2	41.51	16	33.2	K5	17	4106	A	-3 2980
47		8.9A	40 32.716	0.0010	14	-1 12 54.57	-0.057	20	0.29	32.702	17	36.3	53.79	17	36.3	G5	21	3111	A	-0 2366
48		8.9A	40 36.543	-0.0007	11	-3 17 47.26	-0.028	11	0.24	36.555	16	33.2	46.80	16	33.2	F8	16	4108	A	-2 3204
49		9.1A	40 43.762	-0.0005	11	-8 49 4.64	-0.019	11	0.24	43.767	16	33.2	4.33	16	33.2	F5	16	4068	A	-8 2986
50		8.6A	40 55.992	-0.0012	11	-3 38 9.43	0.021	11	0.24	56.012	16	33.2	9.78	16	33.2	A0	17	4109	A	-3 2983
51		9.1A	10 41 8.225	-0.0020	12	-6 19 1.99	-0.029	12	0.25	8.258	16	33.3	1.51	16	33.3	F2 R	17	4110	A	-5 3131
52		9.1A	41 9.701	-0.0037	12	-6 19 48.24	0.009	12	0.26	9.762	16	33.2	48.40	16	33.2	G	17	4111	A	-5 3132
53		9.1A	41 11.599	-0.0004	13	-4 23 25.98	-0.007	13	0.28	11.606	16	33.2	25.87	16	33.2	K0 F	17	4112	A	-3 2984
54		8.6A	41 13.811	-0.0035	13	-2 55 31.40	-0.013	13	0.28	13.870	16	33.2	31.19	16	33.2	K0	17	4113	A	-2 3207
55		8.8A	41 21.667	0.0009	13	-2 46 56.84	-0.036	13	0.28	21.651	16	33.2	56.21	16	33.2	G0	17	4114	A	-2 3208
56		8.2A	41 22.530	-0.0033	13	-5 48 56.82	0.019	13	0.28	22.585	16	33.2	57.15	16	33.2	K0	17	4115	A	-5 3133
57		9.0A	41 34.417	-0.0017	13	-5 16 37.49	-0.009	13	0.28	34.445	16	33.2	37.34	16	33.2	F0	17	4116	A	-4 2936
58		9.1A	41 41.513	-0.0024	11	-8 21 46.65	-0.024	11	0.24	41.553	16	33.2	46.25	16	33.2	G	16	4073	A	-7 3102
59		9.2A	41 56.597	-0.0010	14	-2 4 31.39	-0.008	20	0.29	56.610	17	36.3	31.28	17	36.3	G	21	3112	A	-1 2434
60		8.6A	42 1.524	-0.0027	14	-2 12 38.36	-0.049	20	0.29	1.561	17	36.3	37.69	17	36.3	G5	21	3114	A	-1 2435
61		9.0A	42 1.748	-0.0004	14	-0 53 5.52	-0.039	20	0.29	1.754	17	36.3	4.99	17	36.3	G5	21	3113	A	-0 2367
62		8.5A	42 16.769	-0.0015	12	-9 40 26.86	-0.018	12	0.26	16.795	16	33.2	26.56	16	33.2	K5	16	4075	A	-9 3133
63		9.1A	42 35.543	-0.0041	11	-7 45 48.16	0.019	11	0.24	35.612	16	33.2	48.49	16	33.2	F5	16	4077	A	-7 3104
64		8.3A	42 56.611	-0.0032	11	-8 20 37.86	-0.052	11	0.24	56.664	16	33.2	36.99	16	33.2	K2	16	4078	A	-7 3105
65		8.9A	43 3.822	0.0013	11	-7 19 2.20	-0.034	11	0.24	3.800	16	33.2	1.63	16	33.2	A0	16	4079	A	-6 3227
66		9.1A	43 5.352	-0.0015	14	-1 13 56.07	-0.042	20	0.29	5.374	17	36.3	55.50	17	36.3	G	21	3116	A	-0 2370
67		9.0A	43 6.699	-0.0029	14	-1 13 53.55	-0.005	20	0.29	6.738	17	36.3	53.48	17	36.3	G	21	3117	A	-0 2370
68		9.4A	43 11.146	-0.0011	11	-7 34 36.03	-0.023	09	0.23	11.164	16	33.3	35.65	16	33.3	A2 R	16	4080	A	-7 3106
69		8.8A	43 30.328	-0.0003	13	-6 11 38.05	-0.009	13	0.28	30.353	16	33.2	37.91	16	33.2	K2	17	4118	A	-5 3139
70		9.1A	43 37.507	-0.0010	11	-7 47 11.95	-0.014	09	0.23	37.523	16	33.3	11.72	16	33.3	G5 R	16	4083	A	-7 3107
71		9.5A	43 38.097	-0.0006	09	-2 22 18.09	0.003	09	0.22	38.107	16	33.2	18.15	16	33.2	F7 F	17	4119	A	-1 2439
72		8.5A	43 38.674	-0.0012	14	-2 10 47.54	0.017	20	0.29	38.691	17	36.3	47.77	17	36.3	K2	21	3120	A	-1 2440
73		8.2A	43 40.091	-0.0045	12	-9 27 1.68	0.032	12	0.26	40.167	16	33.2	2.21	16	33.2	K0	16	4084	A	-8 2997
74		8.2T	43 41.143	-0.0008	08	-5 29 49.05	-0.007	05	0.38	41.180	17	02.8	48.61	15	90.9	A0	GC	14812K	B*	-4 2941
75		9.0A	43 49.929	-0.0015	09	-4 21 49.47	-0.024	09	0.22	49.955	16	33.2	49.07	16	33.2	K0	17	4122	A	-3 2991
76		9.2A	44 4.547	0.0001	14	-1 22 6.25	-0.007	20	0.29	4.546	17	36.3	6.15	17	36.3	K0 R	21	3121	A*	-0 2371
77		8.6A	44 9.107	0.0041	14	-1 25 19.81	-0.151	20	0.29	9.050	17	36.3	17.74	17	36.3	K0	21	3122	A	-0 2372
78		9.0A	44 10.878	-0.0084	14	-0 13 1.35	-0.033	20	0.29	10.911	17	36.3	0.89	17	36.3	F5 R	21	3123	A	0 2701
79		8.0A	44 16.972	-0.0033	09	-5 7 4.18	-0.000	09	0.22	17.027	16	33.2	4.17	16	33.2	A2	17	4123	A	-4 2946
80		7.8A	44 19.734	-0.0057	12	-9 8 2.54	-0.072	12	0.26	19.831	16	33.2	1.32	16	33.2	K0	16	4086	A	-8 2999
81		8.9A	44 23.536	-0.0028	14	-1 52 31.62	0.007	20	0.29	23.574	17	36.3	31.71	17	36.3	G5	21	3124	A	-1 2441
82		8.8A	44 43.043	0.0003	14	-1 36 45.52	-0.021	20	0.29	43.039	17	36.3	45.23	17	36.3	F5	21	3125	A	-1 2442
83		9.1A	44 43.162	-0.0057	12	-8 45 30.68	-0.030	12	0.26	43.259	16	33.2	31.18	16	33.2	G0	16	4087	A	-8 3000
84		8.5A	44 48.406	-0.0006	14	-1 27 38.02	-0.022	20	0.29	48.413	17	36.3	37.72	17	36.3	K0	21	3126	A	-0 2374
85		9.1A	44 59.648	0.0001	11	-7 50 13.16	0.000	09	0.23	59.647	16	33.3	13.17	16	33.3	G0 R	16	4088	A	-7 3114
86		8.5A	45 0.279	0.0003	14	-1 49 43.48	-0.030	20	0.29	0.275	17	36.3	43.07	17	36.3	K2	21	3127	A	-1 2443
87		9.0A	45 8.463	-0.0049	09	-6 33 20.79	-0.009	09	0.22	8.545	16	33.3	20.65	16	33.3	F8 R	17	4124	A	-6 3230
88		8.3A	45 11.235	0.0003	12	-9 14 12.61	-0.064	12	0.26	11.231	16	33.2	11.53	16	33.2	A0	16	4090	A	-8 3003
89		9.3A	45 13.927	-0.0000	12	-8 43 55.37	0.010	12	0.25	13.927	16	33.3	55.53	16	33.3	K0 R	16	4091	A	-8 3004
90		9.0A	45 25.195	-0.0007	09	-3 45 49.17	-0.052	09	0.22	25.207	16	33.2	48.30	16	33.2	K3 F	17	4125	A	-3 2996
91		8.6A	45 26.269	0.0017	12	-8 46 12.11	0.013	12	0.26	26.240	16	33.2	12.32	16	33.2	G5	16	4093	A	-8 3005
92		8.9A	45 26.288	0.0020	12	-7 9 7.23	-0.018	12	0.26	26.255	16	33.2	6.93	16	33.2	K2	16	4092	A	-6 3232
93		8.7A	45 31.887	-0.0025	12	-9 18 15.36	-0.007	11	0.25	31.928	16	33.3	15.25	16	33.3	K2 R	16	4094	A	-8 3006
94		8.2A	45 35.897	0.0007	12	-9 42 38.41	-0.011	12	0.26	35.665	16	33.2	38.23	16	33.2	K2	16	4095	A	-9 3141
95		8.0A	45 59.500	-0.0017	11	-2 59 27.61	-0.004	11	0.24	59.528	16	33.2	27.55	16	33.2	F5	17	4126	A	-2 3221
96		9.0A	46 0.823	0.0012	14	-1 32 20.95	-0.034	20	0.29	0.808	17	36.3	20.49	17	36.3	G0 R	21	3128	A	-1 2445
97		8.9A	46 2.637	-0.0022	13	-3 10 18.27	-0.036	13	0.27	2.674	16	33.2	17.67	16	33.2	K0 F	17	4127	A	-2 3223
98		9.0A	46 3.747	-0.0011	12	-9 34 37.64	-0.014	12	0.25	3.766	16	33.3	37.41	16	33.3	K2 R	16	4096	A	-9 3142
99		9.1A	46 6.690	-0.0039	12	-4 25 30.76	-0.029	12	0.26	6.753	16	33.2	30.27	16	33.2	F2p	17	4128	A	-3 2997
00		6.2T	46 7.551	-0.0010	09	-1 41 40.11	0.004	05	0.22	7.592	06	10.1	40.28	07	10.5	M0	GC	14877		-1 2446

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NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ s	σ_μ ″/.001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″/.001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ ″/.01	ep.	δ_2 ″	σ' ″/.01	ep.	SP.		SOURCE CAT.	STAR NUMBER	DM NUMBER
1		8.7A	10 46 7.997	0.0000	12	-8 1 48.37	-0.023	12	0.26	7.997	16	33.2	47.99	16	33.2	K2		16	4097	A -7 3116
2		8.9A	46 11.748	-0.0021	13	-3 24 59.88	0.008	13	0.27	11.784	16	33.2	0.02	16	33.2	K2	F	17	4129	A -2 3224
3		8.5A	46 17.754	-0.0003	11	-8 28 41.41	-0.009	11	0.24	17.759	16	33.2	41.27	16	33.2	K2		16	4098	A -7 3117
4		8.7A	46 23.984	-0.0001	12	-6 54 43.23	-0.001	12	0.26	23.926	16	33.2	43.22	16	33.2	K0		16	4099	A -6 3233
5		7.2T	46 27.477	-0.0005	04	-8 50 6.04	-0.028	04	0.23	27.500	10	03.6	4.53	10	96.0	K0		GC	14883	B* -8 3010
6		8.7A	46 28.600	-0.0008	11	-7 54 16.41	-0.006	11	0.24	28.613	16	33.2	16.32	16	33.2	K0		16	4101	A -7 3118
7		7.5A	46 37.442	-0.0014	13	-5 8 33.12	-0.027	13	0.27	37.464	16	33.2	32.66	16	33.2	K0		17	4130	A -4 2952
8		6.9T	46 45.107	-0.0035	04	-3 45 33.12	-0.016	04	0.30	45.334	14	85.7	31.99	10	78.9	A2		GC	14891K	B* -3 2999
9		8.5A	46 45.691	0.0051	13	-2 30 37.30	-0.126	13	0.27	45.606	16	33.2	35.19	16	33.2	K0		17	4131	A -2 3227
10		8.8A	46 46.236	-0.0011	12	-9 39 10.47	-0.009	12	0.25	46.255	16	33.3	10.32	16	33.3	K2	R	16	4102	A -9 3145
11		8.8A	46 54.580	-0.0020	13	-5 13 20.60	0.007	13	0.27	54.592	16	33.2	20.71	16	33.2	F0		17	4133	A -4 2954
12		8.8A	47 1.000	-0.0140	13	-6 30 19.67	0.048	13	0.27	1.235	16	33.2	20.48	16	33.2	K0		17	4135	A -6 3235
13		9.0A	47 1.865	-0.0001	13	-2 43 54.70	-0.029	13	0.27	1.867	16	33.2	54.22	16	33.2	K5	F	17	4134	A -2 3228
14		8.9A	47 5.559	-0.0034	12	-8 45 39.31	0.027	12	0.25	5.616	16	33.3	39.77	16	33.3	F5	R	16	4104	A -8 3014
15		6.0T	47 13.242	0.0003	09	-9 35 14.73	-0.042	07	0.50	13.225	17	94.7	12.24	15	90.6	K0		GC	14900	-9 3147
16		8.4A	47 19.447	0.0017	12	-9 59 11.49	-0.033	12	0.26	19.418	16	33.2	10.94	16	33.2	K0		16	4106	A -9 3148
17		8.7A	47 20.157	0.0002	14	-2 25 56.32	-0.002	20	0.29	20.155	17	36.3	56.29	17	36.3	K0		21	3131	A -1 2450
18		8.5A	47 23.273	-0.0017	14	-1 41 38.40	-0.015	20	0.29	23.297	17	36.3	38.20	17	36.3	K5		21	3132	A -1 2451
19		7.9A	47 27.970	-0.0089	12	-7 13 0.54	-0.045	12	0.26	28.118	16	33.2	-59.79	16	33.2	K0		16	4107	A -6 3237
20		8.6A	47 35.275	0.0010	13	-2 56 19.03	-0.038	13	0.27	35.258	16	33.2	18.40	16	33.2	K2		17	4137	A -2 3230
21		7.6B	47 43.018	-0.0021	08	-8 43 26.16	0.027	09	0.45	43.121	17	00.7	27.48	17	01.5	K0		GC	14905	-8 3017
22		9.0A	47 43.043	-0.0013	13	-5 23 23.97	-0.012	13	0.27	43.064	16	33.3	23.78	16	33.3	K0	R	17	4138	A -4 2955
23		5.8H	47 47.457	-0.0006	01	-8 37 56.58	-0.018	02	0.07	47.479	04	15.8	55.90	05	12.7	A2		F4	1281	-8 3018
24		8.3A	47 56.373	-0.0020	13	-6 24 32.30	-0.073	13	0.27	56.406	16	33.2	31.09	16	33.2	F8		17	4140	A -5 3151
25		8.6A	47 56.945	-0.0014	14	-2 25 43.65	-0.103	20	0.29	56.964	17	36.3	42.24	17	36.3	K0		21	3133	A -1 2452
26		9.3A	47 57.940	-0.0021	13	-3 41 13.74	-0.002	13	0.27	57.975	16	33.2	13.71	16	33.2	G8	F	17	4141	A -3 3002
27		8.1A	47 58.036	-0.0001	12	-8 11 52.80	0.026	12	0.26	58.038	16	33.2	53.24	16	33.2	K2		16	4111	A -7 3124
28		9.1A	47 58.158	-0.0048	13	-5 19 38.32	0.003	13	0.27	58.239	16	33.2	38.38	16	33.2	F0		17	4142	A -4 2957
29		8.8A	48 5.033	-0.0018	13	-6 30 24.72	-0.035	13	0.27	5.062	16	33.2	24.14	16	33.2	F8		17	4143	A -6 3239
30		9.2A	48 21.232	-0.0025	17	-5 36 7.61	0.008	17	0.32	21.273	16	33.3	7.75	16	33.3	K0	R	17	4145	A -5 3152
31		8.5B	48 26.447	-0.0019	09	-8 37 18.45	-0.003	09	0.45	26.540	15	01.1	18.30	15	99.5	A2		GC	14916	-8 3021
32		8.7A	48 28.585	0.0003	12	-8 46 24.67	-0.003	12	0.25	28.578	16	33.3	24.62	16	33.3	K2	R	16	4114	A -8 3022
33		9.1A	48 28.793	-0.0022	12	-5 24 43.82	-0.039	12	0.25	28.829	16	33.3	43.18	16	33.3	K2	R	17	4146	A -4 2962
34		6.2T	48 32.891	-0.0033	07	-2 49 36.92	-0.010	07	0.31	33.027	10	08.9	36.51	10	08.1	K2		GC	14919	-2 3236
35		8.9A	48 38.709	-0.0023	13	-5 23 47.12	-0.002	13	0.27	38.747	16	33.2	47.08	16	33.2	F2		17	4148	A -4 2963
36		8.7A	48 40.640	-0.0018	17	-5 37 39.87	-0.031	17	0.32	40.669	16	33.2	39.36	16	33.2	F8		17	4150	A -5 3153
37		9.0A	48 41.183	-0.0011	13	-4 24 24.65	-0.003	13	0.27	41.202	16	33.2	24.80	16	33.2	F8		17	4149	A -3 3004
38		9.0A	48 45.174	-0.0026	11	-8 50 41.10	0.012	11	0.24	45.216	16	33.3	41.31	16	33.3	F2	R	16	4116	A -8 3024
39		7.5A	48 46.332	-0.0008	13	-4 28 15.75	-0.018	13	0.27	46.345	16	33.2	15.46	16	33.2	K2		17	4151	A -3 3005
40		9.0A	48 56.237	-0.0009	14	-0 13 5.88	-0.040	20	0.29	56.250	17	36.3	5.33	17	36.3	F5		21	3134	A 0 2706
41		8.3G	49 7.827	-0.0026	09	-8 36 2.34	-0.012	07	0.41	7.954	15	01.2	1.71	14	97.0	M0		GC	14928	-8 3025
42		8.4A	49 9.067	0.0004	14	-2 19 51.52	-0.022	20	0.29	9.061	17	36.3	51.22	17	36.3	K5		21	3135	A -1 2454
43		8.8A	49 10.175	0.0013	14	-2 12 5.63	-0.058	20	0.29	10.158	17	36.3	4.84	17	36.3	F8		21	3136	A -1 2455
44		8.6A	49 10.243	-0.0042	12	-7 48 15.27	-0.001	12	0.26	10.314	16	33.2	15.26	16	33.2	F5		16	4118	A -7 3129
45		8.7A	49 10.633	-0.0131	13	-3 23 42.82	0.081	13	0.27	10.853	16	33.2	44.18	16	33.2	K0		17	4152	A -2 3238
46		9.1A	49 15.698	0.0010	13	-3 16 15.33	-0.033	13	0.27	15.681	16	33.2	14.78	16	33.2	K1	F	17	4153	A -2 3239
47		9.2A	49 19.823	-0.0026	13	-5 31 22.45	-0.034	13	0.27	19.866	16	33.2	21.89	16	33.2	G0		17	4154	A -5 3154
48		8.9A	49 21.752	-0.0040	12	-6 54 43.62	-0.015	12	0.25	21.819	16	33.3	43.38	16	33.3	G	R	16	4119	A -6 3246
49		8.7G	49 22.256	-0.0060	07	-6 55 12.40	-0.006	06	0.36	22.561	15	99.1	11.92	14	88.3	F8		GC	14933K	-6 3247
50		8.5A	49 22.563	-0.0007	12	-3 51 16.25	-0.010	12	0.26	22.575	16	33.2	16.08	16	33.2	K5		17	4155	A -3 3006
51		9.2A	10 49 30.493	0.0011	12	-9 41 24.80	0.004	12	0.25	30.475	16	33.3	24.87	16	33.3	K5	R	16	4121	A -9 3157
52		8.9A	49 49.630	-0.0007	12	-9 37 1.02	0.012	12	0.25	49.641	16	33.3	1.23	16	33.3	K5	R	16	4122	A -9 3158
53		8.6A	49 53.791	-0.0032	09	-8 19 8.58	-0.003	09	0.22	53.844	16	33.2	8.54	16	33.2	A5		16	4123	A -7 3130
54		9.0A	49 58.389	-0.0022	14	-0 41 59.94	-0.015	20	0.29	58.420	17	36.3	59.74	17	36.3	K0	R	21	3137	A -0 2379
55		8.6A	50 8.503	0.0001	14	-1 16 19.11	0.000	20	0.29	8.502	17	36.3	19.11	17	36.3	K0		21	3139	A -0 2380
56		8.0A	50 11.238	-0.0007	11	-6 43 19.80	0.011	11	0.24	11.250	16	33.2	19.99	16	33.2	K0		16	4124	A -6 3250
57		8.0A	50 16.650	-0.0021	13	-3 39 2.92	-0.010	13	0.27	16.685	16	33.2	2.75	16	33.2	K2		17	4156	A -3 3010
58		7.2T	50 18.280	-0.0132	09	-6 33 12.41	-0.203	08	0.45	18.928	12	99.4	1.90	12	98.2	F8		GC	14957	-6 3252
59		8.3A	50 24.185	-0.0024	13	-2 47 5.54	-0.035	13	0.27	24.225	16	33.2	4.96	16	33.2	A2		17	4158	A -2 3241
60		9.0A	50 28.964	-0.0060	13	-2 51 46.55	0.032	15	0.29	29.065	16	33.2	47.09	16	33.2	G8	F	17	4159	A -2 3242
61		9.0A	50 34.245	-0.0019	13	-5 16 1.39	-0.000	13	0.27	34.276	16	33.3	1.38	16	33.3	G5	R	17	4160	A -4 2968
62		8.3A	50 41.202	0.0036	12	-9 4 40.44	-0.034	12	0.26	41.142	16	33.2	39.88	16	33.2	K2		16	4127	A -8 3029
63		6.2T	50 52.345	-0.0094	07	-1 59 15.82	-0.087	07	0.38	52.845	12	96.9	11.30	12	97.9	K0		GC	14969K	-1 2459
64		9.0A	50 52.472	-0.0081	14	-1 59 51.31	-0.092	20	0.29	52.582	17	36.3	50.05	17	36.3			21	3142K	A -1 2458
65		9.0A	50 55.491	-0.0007	12	-4 0 1.18	-0.034	12	0.26	55.503	16	33.2	0.62	16	33.2	G1	F	17	4161	A -3 3012
66		9.3A	51 0.163	0.0004	09	-7 48 17.60	-0.005	09	0.22	0.156	16	33.2	17.52	16	33.2	F8		16	4129	A -7 3133
67		9.0A	51 3.473	-0.0002	13	-5 8 5.12	0.002	13	0.27	3.476	16	33.3	5.15	16	33.3	K0	R	17	4162	A -4 2972
68		8.8A	51 6.546	-0.0024	14	-1 5 15.85	0.001	20	0.29	6.579	17	36.3	15.86	17	36.3	F8		21	3143	A -0 2382
69		8.8A	51 9.419	-0.0013	11	-4 2 14.78	-0.003	11	0.24	9.441	16	33.2	14.74	16	33.2	A5		17	4163	A -3 3013
70		8.8A	51 10.655	0.0009	12	-9 55 25.73	-0.004	12	0.25	10.639	16	33.3	25.67	16	33.3	K0	R	16	4130	A -9 3164
71		5.7T	51 10.905	-0.0058	04	-1 51 46.93	0.009	04	0.24	11.194	10	00.3	47.43	09	96.3	K0		GC	14975	B* -1 2460
72		9.4A	51 24.163	-0.0002	12	-9 59 45.61	0.012	12	0.25	24.167	16	33.3	45.82	16	33.3	F0	R	17	4164	A -9 3160
73		8.5A	51 28.738	-0.0025	13	-3 46 29.46	-0.044	13	0.27	28.781	16	33.2	28.73	16	33.2	F5		17	4165	A -3 3015
74		8.7A	51 40.298	-0.0015	13	-6 27 47.96	-0.009	13	0.27	40.323	16	33.2	47.81	16	33.2	K2		17	4166	A -5 3161
75		8.6A	52 0.931	-0.0031	14	-1 15 6.77	-0.016	20	0.29	0.973	17	36.3	6.56	17	36.3	F2		21	3145	A -0 2384
76		8.8A	52 3.979	-0.0039	14	-0 39 27.68	-0.015	20	0.29	4.032	17	36.3	27.48	17	36.3	K		21	3146	A -0 2385
77		8.6A	52 6.792	-0.0017	09	-8 26 15.53	-0.010	09	0.22	6.820	16	33.2	15.37	16	33.2	K0		16	4132	A -7 3138
78		9.1A	52 14.647	-0.0040	14	-0 19 22.56	-0.001	20	0.29	14.701	17	36.3	22.54	17	36.3	G0	R	21	3147	A 0 2713
79		8.3A	52 14.687	-0.0021	12	-8 6 43.69	-0.019	12	0.26	14.722	16	33.2	43.38	16	33.2	A0		16	4133	A -7 3139
80		8.3A	52 16.301	-0.0019	11	-2 34 49.08	-0.010	11	0.24	16.332	16	33.2	48.92	16	33.2	F0		17	4167	A -2 3247
81		8.5A	52 16.893	0.0002	14	-0 39 4.07	0.005	20	0.29	16.891	17	36.3	4.14	17	36.3	K2		21	3148	A -0 2386
82		8.3A	52 19.632	0.0007	12	-9 49 5.53	-0.011	12	0.26	19.620	16	33.2	5.35	16	33.2	A0		16	4134	A -9 3167
83		8.9A	52 43.615	-0.0006	14	-1 9 28.02	-0.018	20	0.29	43.627	17	36.3	27.78	17	36.3	A0		21	3150	A -0 2388
84		8.6A	52 45.489	0.0006	09	-7 52 57.83	0.010	09	0.22	45.479	16	33.2	58.00	16	33.2	K2		16	4135	A -7 3141
85		9.3A	52 46.153	0.0003	11	-9 17 34.07	0.020	11	0.24	46.147	16	33.3	34.41	16	33.3	K0	R	16	4136	A -8 3039
86		9.0A	52 46.385	-0.0061	12	-5 35 11.31	-0.008	12	0.25	46.486	16	33.3	11.18	16	33.3	K0	R	17	4168	A -5 3165
87		8.6A	52 48.944	-0.0026	12	-7 20 1.18	-0.037	12	0.26	48.988	16	33.2	0.57	16	33.2	F5		16	4137	A -6 3264
88		8.5A	52 50.323	-0.0041	12	-6 33 40.98	-0.013	13	0.26	50.392	16	33.2	40.77	16	33.2	F5		17	4169	A -6 3265
89		8.8A	52 51.580	0.0038	14	-0 32 45.47	-0.018	20	0.29	51.528	17	36.3	45.23	17	36.3	F8		21	3151	A -0 2389
90		8.6A	52 52.096	-0.0035	11	-6 41 36.82	-0.002	11	0.24	52.154	16	33.2	36.79	16	33.2	K2		16	4140	A -6 3266
91		7.9A	53 11.708	-0.0085	12	-5 17 1.22	-0.078	12	0.26	11.849	16	33.2	-59.90	16	33.2	G5		17	4170	A -4 2975
92		8.6A	53 23.895	-0.0018	14	-0 44 6.56	-0.013	20	0.29	23.919	17	36.3	6.38	17	36.3	G0		21	3153	A -0 2390
93		9.0A	53 25.343	0.0001	13	-6 21 39.36	0.013	13	0.27	25.341	16	33.2	39.58	16	33.2	G5		17	4172	A -5 3166
94		8.3A	53 25.900	-0.0022	11	-2 37 28.83	-0.078	11	0.24	25.937	16	33.2	27.53	16	33.2	G0		17	4171	A -2 3251
95		8.2A	53 32.343	-0.0077	14	-1 21 3.53	0.000	20	0.29	32.448	17	36.3	3.53	17	36.3	F0		21	3155	A -0 2391
96		8.7A	53 46.083	0.0021	13	-3 35 18.43	-0.017	13	0.27	46.048	16	33.2	18.15	16	33.2	K0		17	4173	A -3 3020
97		9.3A	53 55.796	-0.0027	11	-8 20 46.28	0.024	11	0.24	55.840	16	33.3	46.69	16	33.3	G0	R	16	4146	A -7 3144
98		8.0A	54 7.167	-0.0018	14	-0 54 4.34	-0.017	20	0.29	7.191	17	36.3	4.11	17	36.3	A3		21	3157	A -0 2392
99		8.7A	54 7.840	-0.0045	12	-4 32 7.50	0.005	12	0.26	7.916	16	33.2	7.58	16	33.2	F0		17	4174	A -4 2977
00		8.7A	54 11.147	-0.0014	14	-0 4 41.98	0.015	20	0.29	11.166	17	36.3	42.18	17	36.3	F2		21	3158	A 0 2716

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NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ s	σ_μ .001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ .001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ .01	ep.	δ_2 ″	σ' .01	ep.	SP.	SOURCE CAT.	STAR NUMBER	DM NUMBER
1		9.2A	10 54 13.638	-0.0035	11	-3 27 0.05	-0.052	11	0.24	13.697	16	33.2	-59.19	16	33.2	K2 F	17	4175	A -2 3253
2		8.7A	54 18.830	-0.0012	13	-2 40 24.47	-0.017	13	0.27	18.850	16	33.2	24.19	16	33.2	A5	17	4176K	A -2 3254
3		9.0A	54 22.649	0.0005	11	-9 47 4.09	-0.022	11	0.24	22.641	16	33.3	3.73	16	33.3	K0 R	16	4147	A -9 3173
4		6.9T	54 34.631	-0.0067	06	-0 2 38.20	-0.032	06	0.30	34.936	09	04.3	36.72	09	04.1	F5	GC	15053	B* 0 2718
5		8.6A	54 35.491	-0.0016	20	-6 13 48.29	0.001	20	0.36	35.517	16	33.2	48.52	16	33.2	F8	17	4177	A -5 3173
6		9.0A	54 35.796	-0.0010	09	-6 0 21.57	0.020	09	0.22	35.813	16	33.2	21.91	16	33.2	A0	17	4178	A -5 3172
7		8.3A	54 36.187	-0.0014	12	-9 41 40.11	0.029	12	0.26	36.209	16	33.2	40.60	16	33.2	G5	16	4148	A -9 3174
8		9.1A	54 38.337	-0.0027	11	-8 34 7.13	-0.011	11	0.24	38.382	16	33.2	6.95	16	33.2	G0	16	4149	A -8 3046
9		8.2A	55 6.612	0.0000	12	-8 1 7.94	-0.008	12	0.26	6.612	16	33.2	7.80	16	33.2	K5	16	4150	A -7 3147
10		9.0A	55 7.719	-0.0031	11	-4 31 54.88	0.007	11	0.24	7.770	16	33.2	54.99	16	33.2	F8 F	17	4179	A -4 2981
11		9.2A	55 11.314	-0.0010	09	-5 23 41.55	-0.000	09	0.22	11.330	16	33.3	41.54	16	33.3	F2 R	17	4180	A -4 2982
12		9.3A	55 12.562	-0.0013	11	-9 14 11.68	-0.005	11	0.24	12.583	16	33.2	11.60	16	33.2	F5	16	4152	A -8 3047
13		9.2A	55 16.445	0.0038	12	-8 46 11.94	-0.118	12	0.25	16.381	16	33.3	9.98	16	33.3	G0 R	16	4153	A -8 3049
14		9.2A	55 33.166	-0.0005	11	-7 34 56.68	-0.031	11	0.24	33.174	16	33.2	56.17	16	33.2	F5	16	4154	A -7 3149
15		8.5A	55 39.592	-0.0027	11	-3 13 0.20	-0.005	11	0.24	39.638	16	33.2	0.12	16	33.2	K2 F	17	4181	A -2 3259
16		9.2A	55 41.953	-0.0021	09	-4 59 26.53	-0.014	09	0.22	41.989	16	33.3	26.29	16	33.3	F5 R	17	4182	A -4 2985
17		8.8A	55 58.439	-0.0009	09	-6 47 13.03	-0.020	09	0.22	58.453	16	33.2	12.70	16	33.2	K0	16	4156	A -6 3274
18		9.0A	56 3.142	-0.0022	11	-6 5 20.93	-0.031	11	0.24	3.179	16	33.3	20.42	16	33.3	G5 R	17	4183	A -5 3178
19		8.3A	56 16.906	0.0010	14	-1 58 3.74	-0.023	20	0.29	16.892	17	36.3	3.43	17	36.3	K0	21	3161	A -1 2465
20		8.0A	56 21.047	-0.0027	13	-4 24 35.79	0.014	13	0.27	21.092	16	33.2	36.03	16	33.2	K5	17	4184	A -3 3024
21		8.9A	56 21.369	-0.0012	12	-8 35 5.93	0.007	12	0.26	21.389	16	33.2	6.05	16	33.2	K5	16	4157	A -8 3055
22		9.0A	56 25.217	-0.0005	13	-3 52 55.17	-0.033	13	0.27	25.227	16	33.2	54.62	16	33.2	A8 F	17	4185	A -3 3025
23		9.2A	56 28.704	-0.0037	11	-8 54 42.63	0.017	09	0.23	28.766	16	33.2	42.91	16	33.2	F5	16	4158	A -8 3057
24		9.0A	56 41.190	-0.0026	14	-1 58 44.73	-0.047	20	0.29	41.226	17	36.3	44.09	17	36.3	G0 R	21	3162	A -1 2466
25		9.2A	56 46.052	0.0006	12	-5 7 55.23	-0.037	12	0.25	46.041	16	33.3	54.61	16	33.3	F8 R	17	4186	A -4 2989
26		9.0A	56 53.820	0.0015	11	-7 4 31.57	0.012	11	0.24	53.794	16	33.2	31.78	16	33.2	A2	16	4161K	A -6 3278
27		8.3A	57 0.430	-0.0105	11	-4 7 20.70	0.029	11	0.24	0.606	16	33.2	21.18	16	33.2	K2	17	4187	A -3 3028
28		8.7A	57 1.176	-0.0043	13	-3 55 25.21	0.000	13	0.27	1.248	16	33.2	25.22	16	33.2	A0	17	4188	A -3 3027
29		8.8A	57 11.690	-0.0035	12	-4 55 8.85	-0.032	12	0.25	11.748	16	33.3	8.31	16	33.3	K2 R	17	4189	A -4 2993
30		8.6A	57 13.316	-0.0012	11	-7 18 27.90	0.001	11	0.24	13.336	16	33.2	27.92	16	33.2	K2	16	4163	A -6 3281
31		8.9A	57 16.517	-0.0009	11	-8 56 46.37	-0.012	11	0.24	16.531	16	33.2	46.17	16	33.2	K2	16	4164	A -8 3059
32		8.7A	57 16.666	-0.0035	14	-1 43 36.40	-0.015	20	0.29	16.714	17	36.3	36.20	17	36.3	F0	21	3163	A -1 2467
33		7.5T	57 29.068	0.0039	07	-3 12 12.54	0.025	04	0.37	28.846	14	95.0	14.12	12	87.5	F8	GC	15111K	B* -2 3264
34		8.5A	57 42.453	-0.0038	09	-5 32 19.37	0.003	09	0.22	42.516	16	33.2	19.43	16	33.2	F8	17	4191	A -5 3182
35		7.5A	57 51.604	-0.0011	12	-9 13 26.43	-0.013	12	0.26	51.622	16	33.2	26.21	16	33.2	A2	16	4165	A -8 3062
36		8.6A	57 53.666	-0.0082	12	-9 40 11.24	-0.010	11	0.25	53.804	16	33.2	11.07	16	33.2	F8	16	4166	A -9 3185
37		9.0A	58 13.107	-0.0028	09	-8 59 28.20	-0.008	09	0.22	13.154	16	33.2	28.07	16	33.2	F5	16	4167	A -8 3063
38		8.7A	58 36.362	-0.0024	12	-5 25 17.63	-0.004	12	0.26	36.403	16	33.2	17.57	16	33.2	A3	17	4192	A -4 2996
39		8.9A	58 37.361	0.0010	14	-0 46 51.49	-0.026	20	0.29	37.346	17	36.3	51.14	17	36.3	K5 R	21	3166	A -0 2395
40		9.0A	58 38.795	0.0005	12	-7 25 58.69	0.015	12	0.25	38.787	16	33.3	58.95	16	33.3	K2 R	16	4168	A -6 3287
41		7.5A	58 44.220	0.0004	12	-9 30 10.12	-0.015	12	0.26	44.213	16	33.2	9.87	16	33.2	MA	16	4169	A -8 3066
42		8.8A	58 47.135	-0.0014	14	-2 11 37.23	-0.008	20	0.29	47.154	17	36.3	37.12	17	36.3	M0 R	21	3167	A -1 2469
43		9.2A	58 48.727	-0.0003	11	-7 59 2.64	0.007	11	0.24	48.732	16	33.2	2.76	16	33.2	F5	16	4170	A -7 3158
44		8.7A	59 3.621	-0.0019	12	-5 42 43.94	-0.014	12	0.26	3.652	16	33.2	43.71	16	33.2	K2	16	4172	A -6 3289
45		9.0A	59 7.832	-0.0018	13	-3 32 42.67	0.002	13	0.27	7.862	16	33.2	42.71	16	33.2	G0	17	4193	A -3 3036
46		9.2A	59 12.689	-0.0035	12	-6 0 38.73	0.014	12	0.25	12.748	16	33.3	38.97	16	33.3	MA R	17	4194	A -5 3184
47		5.0T	59 16.600	0.0009	03	-2 12 53.94	-0.038	03	0.18	16.550	06	93.5	51.77	08	92.3	M0	GC	15151	B* -1 2471
48		8.9A	59 17.269	-0.0036	13	-2 40 0.13	-0.012	13	0.27	17.329	16	33.2	59.94	16	33.2	G5	17	4195	A -2 3267
49		7.9Q	59 33.101	-0.0021	15	-9 35 23.80	-0.081	17	0.70	33.190	17	07.4	20.35	17	07.3	K0	GC	15156	-9 3193
50		9.6A	59 57.850	-0.0051	12	-7 57 32.94	0.010	12	0.25	57.935	16	33.3	33.11	16	33.3	G0 R	16	4174	A -7 3162
51		7.5T	11 0 0.524	-0.0023	17	-9 43 32.30	-0.019	12	0.70	0.627	19	04.9	31.39	15	01.7	K5	GC	15173	-9 3195
52		7.1M	0 4.107	-0.0017	02	-3 14 35.28	-0.023	03	0.08	4.150	04	25.2	34.68	04	24.3	G5	F4	1285	-2 3270
53		9.0A	0 8.358	-0.0071	14	-1 16 47.66	0.030	20	0.29	8.456	17	36.3	48.08	17	36.3	F8	21	3171	A -0 2396
54		7.7A	0 14.018	0.0019	13	-6 7 27.55	-0.014	13	0.27	13.986	16	33.3	27.33	16	33.3	K2	17	4197	A -5 3189
55		8.7A	0 19.777	-0.0136	11	-9 3 35.86	-0.060	11	0.24	20.007	16	33.3	34.87	16	33.3	K2	16	4176	A -8 3068
56		9.0A	0 25.025	0.0080	13	-3 6 34.95	-0.168	13	0.27	24.891	16	33.3	32.16	16	33.3	G5	17	4198	A -2 3272
57		7.3T	0 25.041	-0.0021	11	-2 21 57.63	-0.019	08	0.49	25.143	17	01.7	56.69	17	99.5	G5	GC	15180	-1 2473
58		8.6A	0 27.175	-0.0005	13	-4 41 32.85	0.009	13	0.27	27.183	16	33.3	33.00	16	33.3	K5	17	4200	A -4 3001
59		8.8A	0 28.806	-0.0017	14	-1 18 20.73	0.007	20	0.29	28.828	17	36.3	20.83	17	36.3	F0	21	3173	A -0 2397
60		8.5A	0 29.391	-0.0028	12	-8 7 14.14	-0.032	12	0.25	29.437	16	33.3	13.62	16	33.3	F5	16	4177	A -7 3163
61		9.2A	0 32.138	0.0009	12	-6 57 8.32	-0.031	12	0.25	32.122	16	33.3	7.81	16	33.3	K0 R	16	4178	A -6 3295
62		9.0A	0 38.325	-0.0017	13	-4 10 2.92	-0.001	13	0.27	38.354	16	33.3	2.93	16	33.3	K0 F	17	4201	A -3 3038
63		6.1T	0 41.048	-0.0011	04	-0 28 52.80	-0.115	05	0.18	41.098	09	05.4	47.03	07	00.0	A3	GC	15186	0 2728
64		8.5A	0 46.856	0.0009	13	-2 47 31.34	-0.052	13	0.27	46.842	16	33.3	30.46	16	33.3	K5	17	4202	A -2 3276
65		9.0A	0 47.717	-0.0007	14	-0 39 21.41	-0.010	20	0.29	47.726	17	36.3	21.28	17	36.3	K2 R	21	3175	A -0 2398
66		9.1A	0 50.882	-0.0020	11	-8 43 49.23	-0.038	11	0.24	50.915	16	33.3	48.59	16	33.3	G0	16	4179	A -8 3071
67		8.7A	0 57.504	-0.0013	14	-1 12 57.52	-0.004	20	0.29	57.522	17	36.3	57.47	17	36.3	K2	21	3176	A -0 2399
68		9.0A	1 5.328	-0.0002	12	-2 56 5.22	-0.016	12	0.25	5.332	16	33.3	4.96	16	33.3	MC	17	4203	A -2 3280
69		9.1A	1 7.122	-0.0020	13	-4 31 15.26	0.023	13	0.27	7.155	16	33.3	15.64	16	33.3	K0 F	17	4204	A -4 3002
70		7.9A	1 18.478	0.0018	12	-7 25 3.44	-0.091	12	0.25	18.448	16	33.3	1.93	16	33.3	K0	16	4180	A -6 3300
71		8.1A	1 26.070	-0.0016	09	-8 48 41.08	-0.007	09	0.22	26.097	16	33.3	40.97	16	33.3	F2	16	4182	A -8 3074
72		8.4A	1 30.277	-0.0005	13	-6 10 18.02	-0.031	13	0.27	30.285	16	33.3	17.51	16	33.3	K0	17	4205	A -5 3193
73		9.4A	1 42.141	-0.0008	11	-9 22 55.77	-0.025	11	0.24	42.154	16	33.3	55.36	16	33.3	F8 R	16	4183	A -8 3075
74		6.8T	1 45.814	0.0010	07	-1 0 30.26	-0.019	06	0.34	45.766	09	00.6	29.31	09	98.6	A0	GC	15216	-0 2401
75		8.2A	1 53.001	-0.0017	13	-5 7 9.90	-0.061	13	0.27	53.029	16	33.3	8.88	16	33.3	K5	17	4206	A -4 3006
76		8.9A	1 53.604	-0.0001	09	-8 44 18.68	-0.027	09	0.22	53.605	16	33.3	18.24	16	33.3	K5	16	4184	A -8 3076
77		8.3A	2 9.408	-0.0036	13	-2 42 8.27	-0.008	13	0.27	9.466	16	33.3	8.15	16	33.3	F2	17	4207	A -2 3283
78		7.9T	2 9.449	-0.0129	08	-3 56 59.31	-0.116	05	0.40	10.139	15	96.6	52.43	14	90.6	G5	GC	15228K	-3 3040
79		8.4Q	2 11.371	0.0037	10	-2 14 34.74	-0.021	08	0.43	11.207	17	05.4	33.75	17	02.1	K0	GC	15229	-1 2476
80		8.8A	2 14.350	-0.0018	14	-0 41 5.74	-0.024	20	0.29	14.375	17	36.3	5.41	17	36.3	K2	21	3181	A -0 2402
81		9.2A	2 44.414	-0.0008	09	-8 43 2.23	-0.005	09	0.22	44.426	16	33.3	2.15	16	33.3	G5	16	4186	A -8 3078
82		8.0A	2 45.286	-0.0027	13	-6 14 9.99	-0.009	13	0.27	45.310	16	33.3	9.85	16	33.3	K0	17	4209	A -5 3196
83		8.7A	3 8.518	-0.0080	13	-5 7 21.84	0.015	13	0.27	8.651	16	33.3	22.10	16	33.3	G5	17	4211	A -4 3011
84		9.0A	3 24.052	0.0008	13	-6 16 28.04	-0.010	13	0.27	24.039	16	33.3	27.88	16	33.3	K5	17	4212	A -5 3199
85		8.5A	3 27.165	-0.0005	11	-8 53 3.30	-0.026	11	0.24	27.173	16	33.3	2.87	16	33.3	M0	16	4188	A -8 3081
86		8.5A	3 28.833	-0.0056	13	-5 6 37.30	-0.043	13	0.27	28.827	16	33.3	36.59	16	33.3	G0	17	4213	A -4 3013
87		7.8A	3 33.960	0.0001	11	-6 44 16.00	-0.036	11	0.24	33.959	16	33.3	15.41	16	33.3	K0	16	4189	A -6 3305
88		8.8A	4 17.833	0.0012	09	-3 11 41.97	-0.040	09	0.22	17.814	16	33.3	41.31	16	33.3	F8	17	4214	A -2 3287
89		9.1A	4 21.407	-0.0027	12	-6 15 38.98	-0.018	12	0.25	21.451	16	33.3	38.69	16	33.3	F5	17	4215	A -5 3201
90		8.8A	4 24.156	0.0012	13	-5 19 3.30	0.022	13	0.27	24.136	16	33.3	3.66	16	33.3	G5	17	4216	A -4 3014
91		9.1A	4 37.654	-0.0024	13	-5 50 10.84	0.029	13	0.27	37.694	16	33.3	11.33	16	33.3	G5	17	4218	A -5 3203
92		7.9A	4 38.909	-0.0008	11	-9 47 13.31	-0.055	11	0.24	38.923	16	33.3	12.40	16	33.3	K0	16	4191	A -9 3207
93		8.7A	4 45.884	-0.0027	11	-8 19 47.92	0.009	11	0.24	45.908	16	33.3	48.08	16	33.3	K0	16	4192	A -7 3174
94		9.2A	4 51.779	-0.0007	11	-8 4 50.23	-0.012	11	0.24	51.790	16	33.3	50.04	16	33.3	K5	16	4193	A -7 3175
95		9.2A	4 51.841	-0.0031	11	-9 43 23.14	-0.017	09	0.23	51.892	16	33.3	22.86	16	33.3	K0 R	16	4194	A -9 3209
96		8.6A	4 53.951	0.0003	14	-1 54 29.20	-0.030	20	0.29	53.946	17	36.3	28.79	17	36.3	G5	21	3184	A -1 2486
97		8.3A	4 57.959	-0.0006	13	-6 32 34.77	0.005	13	0.27	57.969	16	33.3	34.86	16	33.3	K0	17	4220	A -6 3310
98		8.8A	4 58.226	-0.0015	13	-4 22 37.64	-0.023	13	0.27	58.252	16	33.3	37.26	16	33.3	K5	17	4219	A -3 3052
99		8.8A	5 15.749	0.0067	11	-9 53 19.41	-0.071	11	0.24	15.634	16	33.3	18.23	16	33.3	K0	16	4196	A -9 3213
00		8.5A	5 18.223	0.0005	14	-0 41 35.14	-0.030	20	0.29	18.217	17	36.3	34.73	17	36.3	K0	21	3185	A -0 2405

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NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	σ'_μ ″.001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	SOURCE CAT.	STAR NUMBER	DM NUMBER
1		6.9T	11 5 43.662	0.0003	06	-1 37 55.63	-0.023	05	0.30	43.648	09	97.7	54.42	09	96.6	K0	GC	15313	-1 2488
2		9.2A	5 45.038	-0.0006	13	-6 2 22.44	-0.027	13	0.27	45.047	16	33.3	22.00	16	33.3	K2 R	17	4222	A -5 3209
3		8.2A	5 45.504	-0.0003	09	-3 37 31.65	-0.010	09	0.22	45.510	16	33.3	31.48	16	33.3	K5	17	4221	A -3 3053
4		8.2A	5 50.149	-0.0030	14	-0 34 11.19	-0.030	20	0.29	50.190	17	36.3	10.79	17	36.3	MA	21	3187	A -0 2407
5		9.0A	5 55.579	0.0017	11	-4 7 31.20	-0.016	11	0.24	55.551	16	33.3	30.94	16	33.3	G8 F	17	4223	A -3 3054
6		8.4A	5 56.239	-0.0013	14	-1 47 49.59	-0.030	20	0.29	56.256	17	36.3	49.18	17	36.3	K2	21	3188	A -1 2489
7		9.2A	5 57.834	-0.0009	09	-7 52 39.53	0.010	09	0.22	57.849	16	33.3	39.70	16	33.3	G5	16	4197	A -7 3180
8		8.8A	5 59.639	-0.0033	13	-6 8 48.23	0.004	13	0.27	59.694	16	33.3	48.30	16	33.3	K5	17	4224	A -3 3211
9		8.2A	6 1.907	-0.0006	14	-0 17 30.66	-0.021	20	0.29	1.915	17	36.3	30.37	17	36.3	K2	21	3189	A 0 2750
10		9.1A	6 16.966	0.0008	13	-5 52 9.48	-0.080	13	0.27	16.953	16	33.3	8.16	16	33.3	G0	17	4225	A -5 3213
11		8.6A	6 20.443	0.0007	14	-2 26 47.81	-0.051	20	0.29	20.433	17	36.3	47.11	17	36.3	K2	21	3190	A -1 2490
12		8.4A	6 26.452	-0.0020	12	-9 59 58.68	0.025	12	0.25	26.485	16	33.3	59.10	16	33.3	K0	16	4198	A -9 3219
13		8.9A	6 27.854	-0.0041	11	-9 35 34.48	0.005	11	0.24	27.922	16	33.3	34.57	16	33.3	K0	16	4199	A -9 3220
14		9.0A	6 38.505	-0.0040	13	-6 36 9.39	0.018	13	0.27	38.571	16	33.3	9.69	16	33.3	G5	17	4227	A -6 3314
15		6.7T	6 40.428	-0.0047	04	-1 3 43.01	-0.009	03	0.20	40.663	07	00.2	42.55	07	96.4	A2	GC	15336	B* -0 2409
16		8.9A	6 47.512	-0.0010	13	-3 47 58.65	0.011	13	0.27	47.529	16	33.3	58.84	16	33.3	K5	17	4228	A -3 3058
17		9.2A	6 49.227	-0.0008	11	-8 32 38.72	-0.002	11	0.24	49.240	16	33.3	38.69	16	33.3	K2 R	16	4201	A -8 3091
18		9.1A	7 6.245	-0.0025	13	-5 53 43.11	0.007	13	0.27	6.287	16	33.3	43.23	16	33.3	K5	17	4230	A -5 3215
19		8.8A	7 10.983	-0.0004	11	-2 43 26.62	0.036	11	0.24	10.991	16	33.3	27.23	16	33.3	F8	17	4231	A -2 3298
20		8.3A	7 15.360	-0.0043	13	-5 32 25.91	-0.026	13	0.27	15.432	16	33.3	25.48	16	33.3	F0	17	4232	A -5 3216
21		9.3A	7 19.944	-0.0023	11	-9 15 26.97	0.050	11	0.24	19.981	16	33.3	27.81	16	33.3	F8	16	4203	A -8 3092
22		8.6A	7 28.823	-0.0047	14	-1 32 26.64	-0.042	20	0.29	28.888	17	36.3	26.07	17	36.3	K5	21	3194	A -1 2493
23		6.8T	7 42.260	-0.0157	07	-7 6 56.19	-0.184	06	0.30	42.932	10	07.2	48.08	10	05.9	G0	GC	15356	-6 3317
24		8.2A	7 46.432	-0.0033	13	-6 25 1.90	-0.032	13	0.27	46.487	16	33.3	1.37	16	33.3	K0	17	4233	A -5 3218
25		8.8A	7 56.275	-0.0007	14	-1 7 57.92	-0.029	20	0.29	56.284	17	36.3	57.53	17	36.3	M0 R	21	3195	A -0 2412
26		8.1A	7 56.977	-0.0106	12	-8 45 17.45	-0.126	12	0.25	57.154	16	33.3	15.36	16	33.3	F8	16	4206	A -8 3094
27		8.2A	8 2.314	-0.0017	12	-9 8 41.77	-0.006	12	0.25	2.341	16	33.3	41.67	16	33.3	K0	16	4207	A -8 3095
28		8.6A	8 3.055	-0.0016	13	-3 36 12.28	-0.022	13	0.27	3.082	16	33.3	11.92	16	33.3	K5	17	4234	A -3 3059
29		9.0A	8 13.193	-0.0023	11	-3 26 54.39	-0.008	11	0.24	13.232	16	33.3	54.26	16	33.3	F2 F	17	4235	A -2 3301
30		9.0A	8 14.182	-0.0013	13	-3 40 10.71	-0.036	13	0.27	14.204	16	33.3	10.12	16	33.3	K0	17	4236	A -3 3060
31		9.1A	8 17.495	-0.0017	11	-6 31 25.55	0.002	11	0.24	17.523	16	33.3	25.59	16	33.3	G5 R	16	4208	A -6 3319
32		8.7A	8 18.510	-0.0028	13	-5 43 49.79	-0.023	13	0.27	18.557	16	33.3	49.41	16	33.3	F2	17	4237	A -5 3221
33		8.7A	8 24.736	-0.0022	13	-5 52 46.98	-0.028	13	0.27	24.772	16	33.3	46.52	16	33.3	K0	17	4238	A -5 3222
34		8.9A	8 24.914	-0.0044	13	-6 3 14.29	0.035	13	0.27	24.987	16	33.3	14.88	16	33.3	G5	17	4239	A -5 3223
35		9.4A	8 31.671	-0.0019	11	-7 44 57.38	-0.023	09	0.23	31.703	16	33.3	57.00	16	33.3	G0 R	16	4209	A -7 3185
36		9.0A	8 33.216	-0.0015	11	-7 58 17.34	-0.013	11	0.24	33.242	16	33.3	17.56	16	33.3	K2 R	16	4210	A -7 3186
37		7.5A	8 36.291	-0.0003	13	-5 2 59.92	-0.024	13	0.27	36.295	16	33.3	59.51	16	33.3	A0	17	4240	A -4 3022
38		7.7A	8 43.821	-0.0017	13	-5 11 54.02	-0.039	13	0.27	43.849	16	33.3	53.38	16	33.3	A2	17	4241	A -4 3024
39		8.0A	8 46.089	-0.0032	14	-1 7 22.56	0.004	20	0.29	46.132	17	36.3	22.63	17	36.3	K2	21	3197	A -0 2414
40		8.5A	8 46.915	0.0009	11	-4 34 18.15	-0.003	11	0.24	46.899	16	33.3	18.10	16	33.3	A3	17	4242	A -4 3025
41		8.6A	8 50.941	-0.0025	14	-2 10 43.98	-0.005	20	0.29	50.975	17	36.3	43.91	17	36.3	K2	21	3198	A -1 2494
42		9.2A	8 51.723	-0.0011	11	-9 4 54.71	-0.001	11	0.24	51.741	16	33.3	54.70	16	33.3	G5	16	4211	A -8 3099
43		9.2A	8 52.692	-0.0004	11	-9 5 8.09	-0.004	11	0.24	52.699	16	33.3	8.03	16	33.3	G5	16	4212	A -8 3099
44		8.8A	8 54.770	-0.0026	12	-6 31 10.49	0.001	12	0.25	54.813	16	33.3	10.51	16	33.3	G5	17	4243	A -6 3321
45		8.7A	8 56.589	-0.0018	11	-8 23 39.97	0.012	11	0.24	56.618	16	33.3	40.18	16	33.3	K2	16	4214	A -7 3188
46		8.7A	9 2.634	-0.0055	11	-9 37 28.97	-0.030	11	0.24	2.725	16	33.3	28.48	16	33.3	F8	16	4215	A -9 3227
47		8.6A	9 7.294	-0.0029	14	-0 49 47.69	-0.019	20	0.29	7.333	17	36.3	47.44	17	36.3	K2	21	3199	A -0 2415
48		9.0A	9 19.211	-0.0028	12	-7 7 31.35	-0.010	12	0.25	19.258	16	33.3	31.19	16	33.3	K5	16	4216	A -6 3324
49		8.2A	9 20.560	0.0009	09	-3 35 59.50	-0.033	09	0.22	20.544	16	33.3	58.95	16	33.3	K5	17	4244	A -3 3065
50		8.3A	9 23.700	-0.0033	11	-9 36 30.10	0.017	11	0.24	23.754	16	33.3	30.39	16	33.3	K2	16	4217	A -9 3229
51		9.0A	11 9 25.883	0.0005	14	-0 30 42.33	-0.022	20	0.29	25.877	17	36.3	42.03	17	36.3	K5 R	21	3200	A -0 2416
52		8.2A	9 26.927	-0.0012	14	-0 8 15.11	-0.032	20	0.29	26.943	17	36.3	14.67	17	36.3	A5	21	3202	A 0 2758
53		7.3A	9 40.673	-0.0089	12	-9 12 46.37	-0.022	12	0.25	40.822	16	33.3	46.01	16	33.3	F2	16	4218	A -8 3101
54		9.0A	9 41.738	-0.0016	14	-0 10 16.55	-0.012	20	0.29	41.759	17	36.3	16.38	17	36.3	A5 R	21	3203	A 0 2759
55		8.5Q	9 42.557	0.0049	13	-0 54 47.74	-0.187	11	0.59	42.336	17	04.8	38.56	17	00.8	G5	GC	15395	-0 2417
56		9.0A	9 44.252	0.0005	12	-7 21 26.13	0.018	12	0.25	44.243	16	33.3	26.44	16	33.3	F0	16	4219	A -6 3325
57		8.9A	9 46.020	-0.0033	12	-9 44 52.00	0.008	12	0.25	46.074	16	33.3	52.14	16	33.3	K5 R	16	4220	A -9 3232
58		8.5A	9 50.915	-0.0003	14	-0 31 8.23	-0.022	20	0.29	50.920	17	36.3	7.93	17	36.3	A3	21	3205	A -0 2418
59		8.4A	9 54.155	-0.0097	12	-9 52 23.25	-0.022	12	0.25	54.316	16	33.3	22.89	16	33.3	F2	16	4221	A -9 3235
60		8.6A	9 57.066	-0.0007	12	-9 42 25.24	-0.016	12	0.25	57.077	16	33.3	24.98	16	33.3	F0	16	4223	A -9 3237
61		8.7A	10 2.437	-0.0026	09	-3 48 18.33	-0.005	09	0.22	2.480	16	33.3	18.25	16	33.3	K0	17	4245	A -3 3066
62		8.7A	10 4.272	-0.0013	11	-9 26 51.48	0.002	11	0.24	4.294	16	33.3	51.52	16	33.3	K2	16	4224	A -8 3102
63		7.2A	10 13.883	-0.0013	13	-4 50 41.51	-0.000	13	0.27	13.905	16	33.3	41.51	16	33.3	K0	17	4246	A -4 3028
64		8.5A	10 17.092	-0.0039	14	-0 37 48.74	-0.009	20	0.29	17.146	17	36.3	48.63	17	36.3	F5	21	3208	A -0 2419
65		8.8A	10 19.456	-0.0010	11	-6 39 21.63	-0.007	11	0.24	19.473	16	33.3	21.52	16	33.3	K0	17	4247	A -6 3326
66		8.5A	10 23.734	-0.0011	11	-3 33 36.16	-0.003	11	0.24	23.752	16	33.3	36.12	16	33.3	K0	17	4248	A -3 3067
67		8.7A	10 29.558	0.0001	12	-6 59 16.89	-0.028	11	0.25	29.557	16	33.3	16.43	16	33.3	K5	16	4226	A -6 3328
68		9.0A	10 34.055	-0.0002	09	-7 56 2.45	0.004	09	0.22	34.058	16	33.3	2.52	16	33.3	F5	16	4227	A -7 3194
69		8.5Q	10 35.208	0.0008	09	-1 8 7.82	-0.163	08	0.47	35.169	14	99.8	-59.43	15	98.4	G5	GC	15416	-0 2420
70		8.2A	10 52.495	-0.0023	12	-5 10 28.79	-0.002	12	0.25	52.533	16	33.3	28.75	16	33.3	K5	17	4249	A -4 3030
71		9.0A	10 56.837	-0.0003	11	-4 29 51.81	-0.009	11	0.24	56.843	16	33.3	51.66	16	33.3	K3 F	17	4250	A -3 3068
72		9.1A	11 10.041	-0.0011	09	-3 29 51.09	-0.032	09	0.22	10.059	16	33.3	50.56	16	33.3	K5 F	17	4251	A -2 3307
73		8.8A	11 14.389	-0.0009	14	-1 32 26.64	-0.011	20	0.29	14.601	17	36.3	26.49	17	36.3	K0	21	3211	A -1 2497
74		8.0A	11 22.384	-0.0019	12	-9 59 48.73	-0.009	12	0.25	22.416	16	33.3	48.58	16	33.3	K0	16	4228	A -9 3238
75		8.9A	11 26.775	-0.0015	09	-7 9 5.42	0.004	09	0.22	26.799	16	33.3	5.49	16	33.3	G5	16	4229	A -6 3331
76		7.4A	11 41.043	0.0002	12	-8 3 19.28	-0.008	12	0.25	41.040	16	33.3	19.16	16	33.3	MA	16	4230	A -7 3197
77		8.2A	11 49.425	-0.0086	09	-9 34 1.30	0.014	09	0.22	49.568	16	33.3	1.54	16	33.3	F5	16	4231	A -9 3242
78		8.5A	11 52.229	-0.0028	14	-2 9 19.77	-0.004	20	0.29	52.268	17	36.3	19.72	17	36.3	F0	21	3212	A -1 2499
79		6.8T	12 4.131	0.0023	07	-0 59 51.95	-0.035	06	0.39	4.015	09	99.3	50.18	10	98.9	K0	GC	15450	-0 2422
80		9.0A	12 9.602	-0.0006	12	-9 52 29.33	0.004	12	0.25	9.611	16	33.3	29.40	16	33.3	K2 R	16	4233	A -9 3244
81		8.8A	12 13.913	-0.0106	11	-4 25 8.03	-0.060	11	0.24	14.089	16	33.3	7.04	16	33.3	G5	17	4252	A -3 3075
82		9.3A	12 17.085	-0.0001	12	-4 47 16.40	0.003	12	0.25	17.086	16	33.3	16.45	16	33.3	K2 R	17	4253	A -4 3036
83		9.1A	12 17.648	-0.0022	11	-4 41 25.56	-0.012	11	0.24	17.685	16	33.3	25.36	16	33.3	K2 R	17	4254	A -4 3037
84		8.8A	12 30.718	-0.0013	14	-0 42 1.72	-0.024	20	0.29	30.736	17	36.3	1.39	17	36.3	K5	21	3214	A -0 2423
85		8.9A	12 33.088	-0.0040	11	-8 50 25.25	0.004	11	0.24	33.155	16	33.3	25.31	16	33.3	K0	16	4234	A -8 3114
86		8.9A	12 45.247	0.0019	12	-6 56 8.80	-0.024	12	0.25	45.295	16	33.3	8.41	16	33.3	A2	16	4235	A -6 3335
87		9.0A	12 48.893	-0.0090	12	-6 44 38.28	-0.074	12	0.25	49.042	16	33.3	37.05	16	33.3	G5	16	4236	A -6 3336
88		8.5A	12 50.317	-0.0019	12	-4 39 39.53	0.007	12	0.25	50.548	16	33.3	39.64	16	33.3	K2	17	4255	A -4 3040
89		9.1A	13 3.972	-0.0051	12	-5 52 47.93	-0.031	12	0.25	4.056	16	33.3	47.42	16	33.3	F5	17	4256	A -5 3242
90		9.1A	13 9.533	-0.0005	11	-4 14 10.72	-0.005	11	0.24	9.541	16	33.3	10.63	16	33.3	G8 F	17	4257	A -3 3079
91		8.8A	13 15.122	-0.0006	14	-2 1 35.75	-0.023	20	0.29	15.131	17	36.3	35.44	17	36.3	B9	21	3215	A -1 2502
92		9.3A	13 18.313	-0.0068	14	-2 33 44.50	0.008	20	0.29	18.405	17	36.3	44.61	17	36.3	K0 R	21	3216	A* -2 3311
93		8.9A	13 28.978	-0.0012	12	-9 33 34.72	0.013	12	0.25	28.998	16	33.3	34.94	16	33.3	K2 R	16	4238	A -9 3249
94		7.7A	13 30.768	-0.0033	11	-8 37 37.56	-0.006	11	0.24	30.823	16	33.3	37.47	16	33.3	K0	16	4239	A -8 3119
95		8.8A	13 36.823	-0.0027	14	-1 28 24.77	-0.030	20	0.29	36.860	17	36.3	24.37	17	36.3	F2	21	3217	A -0 2425
96		7.3T	13 38.617	0.0015	09	-3 11 56.90	0.022	08	0.48	38.535	14	95.0	58.14	14	94.3	B3	GC	15498	B* -2 3312
97		8.7A	13 44.364	-0.0149	13	-3 29 18.70	-0.010	13	0.27	44.613	16	33.3	18.54	16	33.3	K0	17	4260	A -2 3313
98		8.9A	13 47.444	-0.0013	12	-6 51 57.88	-0.033	11	0.25	47.466	16	33.3	57.34	16	33.3	F8	16	4240	A -6 3340
99		8.9A	13 55.700	-0.0007	13	-4 43 31.86	-0.024	13	0.27	55.712	16	33.3	31.46	16	33.3	F8 R	17	4261	A -4 3042
00		9.0A	14 1.161	-0.0006	13	-3 22 10.12	-0.065	13	0.27	1.172	16	33.3	9.04	16	33.3	K5 F	17	4262	A -2 3314

- 00
11H

138100

EPOCH 1950 — ORIGINAL EPOCH — SOURCE — − 0° 11H

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.		CAT.	STAR NUMBER	DM	DM NUMBER
1		6.8T	11 14 3.458	0.0012	10	-3 41 36.55	-0.009	12	0.57	3.398	15	98.3	36.12	14	01.1	A3		GC	15508		-3 3085
2		4.6M	14 7.105	-0.0075	01	-3 22 40.76	-0.041	01	0.05	7.372	03	14.2	39.23	03	13.1	A5		F4	1292		-2 3315
3		9.0A	14 11.498	-0.0004	14	-0 47 54.64	-0.027	20	0.29	11.502	17	36.3	54.28	17	36.3	F5		21	3218	A	-0 2427
4		8.3A	14 11.717	0.0005	13	-3 40 10.78	-0.003	13	0.27	11.709	16	33.3	10.73	16	33.3	A2		17	4265	A	-3 3086
5		8.7A	14 16.563	-0.0048	13	-4 52 44.80	-0.014	13	0.27	16.643	16	33.3	44.56	16	33.3	F5		17	4266K	A	-4 3044
6		6.0T	14 26.012	-0.0009	07	-6 51 42.54	-0.012	06	0.27	26.049	07	07.6	42.04	07	07.7	F0		GC	15514K		-6 3344
7		8.8A	14 29.348	-0.0012	11	-8 14 26.41	-0.002	11	0.24	29.367	16	33.3	24.37	16	33.3	K0		16	4244	A	-7 3205
8		8.8A	14 29.801	-0.0058	12	-6 51 50.49	-0.014	12	0.25	29.899	16	33.3	50.26	16	33.3	F2		16	4245	A	-6 3345
9		9.0A	14 31.401	-0.0014	13	-6 24 14.15	-0.047	13	0.27	31.425	16	33.3	13.58	16	33.3	G5		17	4267	A	-5 3247
10		8.8A	14 32.061	-0.0025	14	-1 44 18.45	-0.030	20	0.29	32.093	17	36.3	18.04	17	36.3	F8		21	3219	A	-1 2504
11		9.1A	14 42.192	-0.0365	14	-1 42 31.25	-0.044	20	0.29	42.720	17	36.3	30.65	17	36.3	M0	R	21	3220	A	-1 2505
12		8.6A	14 46.812	-0.0010	12	-8 39 19.14	-0.005	12	0.25	46.829	16	33.3	19.06	16	33.3	G5		16	4247	A	-8 3124
13		9.3A	14 55.261	-0.0087	12	-9 10 33.72	0.052	12	0.25	55.407	16	33.3	34.59	16	33.3	G0	R	16	4249	A	-8 3125
14		9.0A	15 4.312	-0.0042	13	-5 6 22.17	0.019	13	0.27	4.381	16	33.3	22.49	16	33.3	F8		17	4268	A	-4 3045
15		9.3A	15 12.202	-0.0018	12	-8 9 19.70	0.007	12	0.25	12.233	16	33.3	19.82	16	33.3	K0	R	16	4250	A	-7 3206
16		9.0A	15 13.411	-0.0051	13	-3 54 45.79	0.002	13	0.27	13.497	16	33.3	45.83	16	33.3	G8	F	17	4269	A	-3 3087
17		8.9A	15 13.461	-0.0041	14	-5 35 4.18	-0.019	13	0.27	13.529	16	33.3	3.87	16	33.3	G5		17	4270	A	-5 3248
18		9.0A	15 16.263	-0.0014	14	-2 16 57.87	-0.052	20	0.29	16.283	17	36.3	57.16	17	36.3	F5		21	3221	A	-1 2506
19		7.3T	15 46.652	0.0528	05	-4 47 29.94	-0.150	04	0.25	44.102	09	01.7	22.08	09	97.6	K0		GC	15546	B*	-4 3049
20		9.0A	15 49.783	-0.0003	12	-7 50 17.29	0.003	12	0.25	49.783	16	33.3	17.35	16	33.3	K0		16	4251	A	-7 3210
21		8.3A	15 52.391	-0.0012	12	-5 37 22.16	-0.024	12	0.25	52.410	16	33.4	21.77	16	33.4	K0		17	4272	A	-5 3250
22		8.9A	15 53.735	-0.0020	12	-7 27 17.66	-0.009	12	0.25	53.768	16	33.4	17.52	16	33.4	F0		16	4252	A	-6 3350
23		8.4A	16 9.012	-0.0190	12	-9 51 13.49	0.078	12	0.25	9.328	16	33.4	14.78	16	33.4	K0		16	4253	A	-9 3256
24		6.6B	16 11.961	-0.0063	10	-6 38 10.57	-0.033	08	0.45	12.246	17	04.6	8.98	17	01.5	K2		GC	15555		-6 3352
25		9.3A	16 14.354	-0.0002	12	-8 40 41.53	0.003	12	0.25	14.358	16	33.3	41.59	16	33.3	K0	R	16	4255	A	-8 3132
26		9.0A	16 18.672	-0.0033	11	-4 27 10.79	0.004	11	0.24	18.726	16	33.4	10.85	16	33.4	K0	F	17	4274	A	-3 3089
27		9.3A	16 45.491	-0.0001	12	-8 58 46.97	-0.011	12	0.25	45.492	16	33.3	46.79	16	33.3	F8	R	16	4256	A	-8 3134
28		9.0A	16 48.749	-0.0046	13	-5 39 43.53	-0.174	13	0.27	48.673	16	33.4	40.65	16	33.4	G5		17	4275	A	-5 3254
29		8.0B	16 49.272	-0.0153	05	-1 22 47.67	-0.168	08	0.37	49.986	14	03.4	39.61	14	01.9	G6		GC	15565K		-0 2428
30		7.0B	16 49.936	-0.0154	04	-1 22 44.53	-0.160	03	0.17	50.632	06	04.5	37.20	06	04.1	F8		GC	15566K	B*	-0 2428
31		8.8A	16 50.134	-0.0010	12	-7 17 59.15	0.000	12	0.25	50.151	16	33.4	59.16	16	33.4	A3		16	4257K	A	-6 3355
32		9.2A	16 50.545	-0.0005	14	-2 30 57.74	-0.038	20	0.29	50.552	17	36.3	57.22	17	36.3	K0	R	21	3224	A	-2 3322
33		9.0A	16 57.849	-0.0045	11	-8 19 41.62	-0.003	11	0.24	57.923	16	33.4	41.58	16	33.4	K0		16	4258	A	-7 3211
34		8.9B	17 11.475	-0.0076	15	-6 37 24.16	0.017	15	0.71	11.828	17	04.6	24.97	17	03.0			GC	15575K		-6 3356
35		8.5B	17 11.949	-0.0065	08	-6 37 31.00	-0.013	05	0.39	12.285	15	98.3	30.25	14	91.3	F2		GC	15576K		-6 3356
36		8.9A	17 20.502	-0.0070	14	-0 1 54.31	-0.049	20	0.29	20.597	17	36.3	53.64	17	36.3	G5		21	3226	A	0 2770
37		8.9A	17 22.691	-0.0017	12	-9 46 54.61	-0.002	12	0.25	22.718	16	33.3	54.58	16	33.3	MC	R	16	4262	A	-9 3262
38		9.0A	17 33.010	-0.0061	11	-4 57 34.23	-0.014	11	0.24	33.111	16	33.3	33.99	16	33.3	K0	R	17	4279	A	-4 3052
39		8.5A	17 40.836	-0.0018	12	-8 35 26.20	-0.022	12	0.25	40.865	16	33.4	25.84	16	33.4	K2		16	4263	A	-8 3138
40		8.9A	17 44.073	-0.0021	13	-8 58 40.44	-0.044	13	0.27	44.107	16	33.4	39.72	16	33.4	G0		16	4264	A	-8 3139
41		8.6A	17 50.795	-0.0050	14	-1 31 24.56	-0.010	20	0.29	50.864	17	36.3	24.43	17	36.3	F5		21	3228	A	-1 2510
42		8.5A	17 58.859	-0.0031	11	-2 37 26.20	0.001	11	0.24	58.911	16	33.4	26.22	16	33.4	A2		17	4280	A	-2 3325
43		8.6A	18 2.187	-0.0025	12	-9 25 0.37	-0.011	12	0.25	2.228	16	33.4	0.18	16	33.4	A0		16	4266	A	-8 3141
44		8.9A	18 2.759	-0.0022	12	-8 18 14.80	-0.004	12	0.25	2.795	16	33.4	14.74	16	33.4	K2		16	4267	A	-7 3213
45		9.2A	18 12.123	-0.0020	12	-8 15 29.88	0.002	12	0.25	12.157	16	33.4	29.92	16	33.4	G0	R	16	4268	A	-7 3214
46		8.5A	18 27.631	-0.0038	13	-3 43 21.05	0.021	13	0.27	27.694	16	33.4	21.40	16	33.4	A3		17	4281	A	-3 3096
47		9.3A	18 33.721	-0.0002	11	-8 10 22.82	-0.027	11	0.24	33.717	16	33.4	22.38	16	33.4	G5	R	16	4269	A	-7 3216
48		9.0A	18 33.887	-0.0010	14	-0 29 14.98	-0.018	20	0.29	33.901	17	36.3	14.73	17	36.3	K0	R	21	3230	A	0 2772
49		8.7A	18 34.311	-0.0021	11	-6 36 58.88	-0.057	11	0.24	34.277	16	33.4	57.94	16	33.4	F2		17	4282	A	-6 3359
50		9.0A	18 35.020	-0.0089	14	-0 21 18.28	-0.134	20	0.29	34.897	17	36.3	16.44	17	36.3	G0	R	21	3231	A	0 2771
51		8.7A	11 18 35.471	0.0002	13	-3 29 18.28	-0.020	13	0.27	35.467	16	33.4	17.96	16	33.4	K2		17	4283	A	-2 3328
52		9.1A	18 37.994	-0.0009	13	-4 6 19.50	-0.014	13	0.27	38.008	16	33.4	19.27	16	33.4	F8		17	4284	A	-3 3097
53		8.0A	18 43.510	-0.0033	11	-4 5 31.49	0.013	11	0.24	43.564	16	33.4	31.71	16	33.4	A2		17	4285	A	-3 3098
54		8.8A	18 49.452	-0.0011	13	-4 51 45.31	-0.005	13	0.27	49.471	16	33.3	45.22	16	33.3	G0	R	17	4286	A	-4 3056
55		8.9A	18 51.986	-0.0009	14	-1 39 35.30	-0.006	20	0.29	51.999	17	36.3	35.22	17	36.3	K5		21	3232	A	-1 2512
56		7.9A	19 14.345	-0.0040	13	-5 26 39.12	-0.027	13	0.27	14.411	16	33.4	38.68	16	33.4	G5		17	4287	A	-4 3057
57		9.0A	19 15.334	-0.0025	14	-1 27 11.04	-0.054	20	0.29	15.299	17	36.3	10.30	17	36.3	G5		21	3235	A	-0 2431
58		9.0A	19 17.880	-0.0043	12	-6 46 30.89	0.005	12	0.25	17.951	16	33.4	30.98	16	33.4	K5	R	16	4271	A	-6 3363
59		8.4A	19 22.727	-0.0024	14	-0 9 17.37	-0.009	20	0.29	22.759	17	36.3	17.24	17	36.3	K5		21	3236	A	0 2777
60		9.0A	19 24.889	-0.0045	11	-3 19 19.62	0.043	11	0.24	24.964	16	33.4	20.34	16	33.4	F8		17	4288	A	-2 3330
61		9.0A	19 27.393	-0.0051	14	-0 21 9.65	-0.019	20	0.29	27.463	17	36.3	9.39	17	36.3	F5	R	21	3238	A	0 2779
62		8.6A	19 34.729	0.0007	14	-2 6 53.02	-0.067	20	0.29	34.720	17	36.3	52.10	17	36.3	K2		21	3240	A	-1 2516
63		9.1A	19 39.713	-0.0010	09	-8 1 54.40	-0.001	09	0.22	39.729	16	33.4	54.39	16	33.4	K2		16	4272	A	-7 3220
64		8.7A	19 49.473	-0.0021	13	-4 52 23.71	-0.003	13	0.27	49.509	16	33.4	23.66	16	33.4	K5		17	4289	A	-4 3058
65		8.9A	19 49.535	0.0003	14	-0 48 10.43	-0.035	20	0.29	49.532	17	36.3	9.95	17	36.3	K5		21	3241	A	-0 2432
66		6.7T	19 56.769	-0.0036	13	-8 34 5.87	-0.003	11	0.64	56.941	19	00.7	5.72	18	98.1	A2		GC	15620		-8 3154
67		8.3A	19 59.430	-0.0007	12	-7 47 59.51	-0.010	12	0.25	59.441	16	33.4	59.35	16	33.4	K2		16	4274	A	-7 3223
68		9.2A	20 3.548	-0.0020	12	-5 0 13.40	-0.010	12	0.25	3.580	16	33.3	13.24	16	33.3	K5	R	17	4290	A	-4 3060
69		8.4A	20 14.936	-0.0030	12	-7 49 18.17	-0.077	12	0.25	14.985	16	33.4	16.90	16	33.4	F2		16	4275	A	-7 3224
70		8.9A	20 17.511	-0.0007	14	-0 42 1.90	-0.041	20	0.29	17.501	17	36.3	1.34	17	36.3	K0	R	21	3242	A	-0 2434
71		9.0A	20 21.862	-0.0003	14	-2 22 10.46	-0.046	20	0.29	21.867	17	36.3	9.83	17	36.3	F8		21	3243	A	-1 2517
72		9.1A	20 25.151	0.0000	13	-5 55 32.60	-0.004	13	0.27	25.150	16	33.3	32.54	16	33.3	F8	R	17	4292	A	-5 3265
73		9.1A	20 25.581	-0.0045	15	-3 1 54.27	-0.018	15	0.30	25.656	16	33.3	53.98	16	33.3	G0	R	17	4293	A	-2 3332
74		9.3A	20 28.545	0.0011	12	-6 3 19.04	0.005	12	0.25	28.526	16	33.3	19.13	16	33.3	K0	R	17	4294	A	-5 3266
75		9.0A	20 31.407	-0.0021	13	-3 46 31.78	-0.020	15	0.28	31.441	16	33.4	31.45	16	33.4	G5		17	4295	A	-3 3103
76		9.1A	20 36.912	-0.0010	12	-5 3 57.64	-0.014	12	0.25	36.895	16	33.3	57.41	16	33.3	F8	R	17	4296	A	-4 3063
77		9.0A	20 48.918	-0.0019	13	-4 51 2.19	-0.008	13	0.27	48.950	16	33.4	2.05	16	33.4	G5		17	4297	A	-4 3065
78		9.3A	20 58.979	-0.0001	11	-8 58 52.08	-0.027	09	0.23	58.980	16	33.4	51.64	16	33.4	G0	R	16	4276	A	-8 3157
79		8.3A	21 1.367	0.0034	15	-3 0 49.16	-0.083	15	0.30	1.311	16	33.4	47.79	16	33.4	K2		17	4298	A	-2 3337
80		8.9A	21 15.294	-0.0012	14	-2 19 56.13	-0.120	20	0.29	15.310	17	36.3	54.49	17	36.3	K5		21	3245	A	-1 2518
81		8.5A	21 19.060	-0.0029	11	-6 52 22.25	-0.018	11	0.24	19.108	16	33.4	21.98	16	33.4	F0		16	4278	A	-6 3370
82		8.9A	21 44.461	-0.0124	14	-1 15 8.05	-0.181	20	0.29	44.631	17	36.3	5.57	17	36.3	K0		21	3246	A	-0 2437
83		9.1A	21 47.731	-0.0010	14	-1 37 27.21	-0.041	20	0.29	47.745	17	36.3	26.65	17	36.3	K5	R	21	3247	A	-1 2519
84		7.0T	21 49.420	-0.0061	09	-5 38 2.48	-0.099	09	0.46	49.729	14	99.4	57.53	15	99.9	F5		GC	15661		-5 3275
85		9.3A	21 54.418	-0.0011	09	-4 10 24.59	-0.006	09	0.22	54.436	16	33.4	24.50	16	33.4	K5		17	4300	A	-3 3108
86		9.1A	21 57.762	-0.0095	15	-4 6 32.44	-0.052	15	0.30	57.854	16	33.4	31.58	16	33.4	G5		17	4301	A	-3 3109
87		9.1A	21 58.352	-0.0043	11	-4 6 33.06	-0.020	11	0.24	58.424	16	33.4	32.73	16	33.4	G5		17	4302	A	-3 3109
88		8.8A	22 16.586	-0.0034	13	-6 29 34.43	-0.043	13	0.27	16.642	16	33.4	33.72	16	33.4	F5		17	4303	A	-5 3276
89		9.0A	22 19.843	-0.0008	12	-9 18 24.38	-0.005	12	0.25	19.856	16	33.4	24.30	16	33.4	F0		16	4282	A	-8 3164
90		6.7T	22 25.047	-0.0041	08	-1 56 13.11	-0.045	08	0.48	25.282	14	93.0	10.59	14	93.5	A5		GC	15671		-1 2521
91		8.9A	22 32.906	-0.0017	11	-4 18 20.56	-0.008	11	0.24	32.935	16	33.4	20.42	16	33.4	K2		17	4304	A	-3 3111
92		8.4A	22 34.428	-0.0003	12	-8 12 3.08	-0.002	12	0.25	34.433	16	33.4	3.05	16	33.4	K0		16	4283	A	-7 3231
93		9.0A	22 40.484	-0.0020	14	-1 20 26.48	-0.009	20	0.29	40.511	17	36.3	26.36	17	36.3	K0		21	3250	A	-0 2438
94		8.8A	22 42.252	-0.0014	12	-5 35 38.30	-0.003	12	0.25	42.276	16	33.4	38.26	16	33.4	K2		17	4305	A	-5 3278
95		8.7A	22 56.047	-0.0021	11	-2 57 4.60	-0.044	11	0.24	56.083	16	33.4	3.88	16	33.4	K0		17	4306	A	-2 3342
96		8.9A	22 57.534	-0.0047	11	-5 44 1.56	0.001	11	0.24	57.612	16	33.4	1.58	16	33.4	K5		17	4307	A	-5 3281
97		8.5A	22 58.139	-0.0069	12	-7 34 40.56	-0.017	12	0.25	58.286	16	33.4	40.28	16	33.4	F8		16	4284K	A	-7 3233
98		9.5A	23 3.453	-0.0010	09	-4 16 26.81	-0.006	09	0.22	3.470	16	33.3	28.72	16	33.3	G5	R	17	4308	A	-3 3113
99		9.4A	23 10.637	-0.0007	12	-6 58 26.76	0.007	12	0.25	10.649	16	33.4	26.88	16	33.4	K0	R	16	4285	A	-6 3375
00		9.4A	23 11.282	0.0008	12	-9 1 29.41	-0.080	12	0.25	11.269	16	33.4	28.09	16	33.4	G5	R	16	4286	A	-8 3169

138200

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	EPOCH 1950 μ s	EPOCH 1950 σ_μ ″.001	EPOCH 1950 δ_{1950} ° ′ ″	EPOCH 1950 μ' ″	EPOCH 1950 $\sigma_{\mu'}$ ″.001	EPOCH 1950 σ_{1950} ″	ORIGINAL EPOCH α_2 s	ORIGINAL EPOCH σ ″.01	ORIGINAL EPOCH ep.	ORIGINAL EPOCH δ_2 ″	ORIGINAL EPOCH σ' ″.01	ORIGINAL EPOCH ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	− 00° 11H DM NUMBER
1		9.0A	11 23 14.398	-0.0008	14	-0 29 30.06	-0.013	20	0.29	14.408	17	36.3	29.88	17	36.3	K0 R	21	3251	A 0 2787
2		8.8A	23 18.256	-0.0011	14	-1 51 4.23	-0.054	20	0.29	18.270	17	36.3	3.49	17	36.3	K2	21	3252	A -1 2524
3		8.4A	23 26.012	-0.0039	14	-0 48 12.41	-0.016	20	0.29	26.064	17	36.3	12.19	17	36.3	F0	21	3254	A -0 2440
4		9.2A	23 27.901	-0.0092	12	-6 56 16.14	-0.003	12	0.25	28.053	16	33.4	16.10	16	33.4	G5	16	4287	A -6 3377
5		8.8A	23 31.783	-0.0021	12	-7 14 30.96	-0.007	12	0.25	31.817	16	33.4	30.85	16	33.4	K2	16	4288	A -6 3379
6		7.7T	23 44.920	-0.0000	14	-9 36 18.45	-0.088	12	0.63	44.920	17	03.9	14.19	15	01.5	K2	GC	15697	-9 3283
7		9.0A	23 50.795	0.0002	13	-5 2 41.04	-0.032	13	0.27	50.792	16	33.4	40.52	16	33.4	K0	17	4309	A -4 3071
8		9.2A	23 57.147	-0.0026	09	-3 42 18.66	0.007	09	0.22	57.194	16	33.3	18.78	16	33.3	G5 R	17	4310	A -3 3115
9		9.4A	24 8.820	-0.0016	12	-8 56 13.36	-0.010	12	0.25	8.846	16	33.4	13.19	16	33.4	G0 R	16	4292	A -8 3171
10		8.2A	24 16.634	-0.0009	12	-7 30 59.70	-0.030	12	0.25	16.649	16	33.4	59.21	16	33.4	A0	16	4294	A -6 3380
11		8.1A	24 20.087	-0.0009	12	-9 39 56.69	0.006	12	0.25	20.102	16	33.4	56.79	16	33.4	F5	16	4295	A -9 3288
12		9.0A	24 41.227	-0.0020	11	-6 20 57.77	-0.031	11	0.24	41.260	16	33.4	57.26	16	33.4	K5	17	4311	A -5 3290
13		9.1A	24 44.304	-0.0019	13	-5 32 16.19	-0.007	13	0.27	44.335	16	33.3	16.08	16	33.3	F5 R	17	4312	A -3 3119
14		8.9A	24 44.922	-0.0011	11	-3 16 40.42	-0.024	11	0.24	44.941	16	33.3	40.03	16	33.3	F8 R	17	4313	A -2 3349
15		9.4A	24 59.780	-0.0002	13	-6 36 25.57	-0.012	13	0.27	59.782	16	33.3	25.37	16	33.3	F0 R	17	4314	A -6 3384
16		6.3T	25 20.329	-0.0025	04	-1 25 28.64	-0.007	04	0.21	20.446	07	03.6	28.32	09	01.8	K0	GC	15728	B* -0 2442
17		9.1A	25 22.580	-0.0006	12	-9 54 52.18	-0.027	12	0.25	22.590	16	33.4	51.74	16	33.4	F8 R	16	4298	A -9 3290
18		9.1A	25 24.994	-0.0004	13	-5 22 1.51	-0.032	13	0.27	25.001	16	33.3	0.98	16	33.3	G0 R	17	4315	A -4 3076
19		9.0A	25 25.744	0.0008	14	-1 38 45.75	-0.033	20	0.29	25.732	17	36.3	45.30	17	36.3	F2	21	3256	A -1 2527
20		7.1T	25 29.956	0.0001	07	-0 37 19.70	-0.028	06	0.40	29.954	14	92.8	18.08	14	91.1	A0	GC	15733	-0 2443
21		8.6A	25 30.397	-0.0013	14	-2 11 48.01	-0.028	20	0.29	30.415	17	36.3	47.63	17	36.3	K0	21	3258	A -1 2528
22		8.0A	25 37.435	-0.0027	12	-7 1 21.73	-0.029	12	0.25	37.479	16	33.4	21.26	16	33.4	K0	16	4299	A -6 3387
23		8.7A	25 39.614	0.0000	12	-9 57 49.44	-0.005	12	0.25	39.613	16	33.4	49.36	16	33.4	K0 R	16	4300	A -9 3292
24		9.1A	25 58.279	-0.0033	13	-3 0 15.70	-0.007	13	0.27	58.334	16	33.3	15.59	16	33.3	K5 R	17	4316	A -2 3352
25		8.9A	25 59.154	-0.0001	11	-5 49 34.68	-0.033	11	0.24	59.155	16	33.4	34.14	16	33.4	F2	17	4317	A -5 3294
26		8.8A	26 5.637	-0.0025	11	-3 6 6.17	-0.013	11	0.24	5.679	16	33.4	5.96	16	33.4	A2	17	4318	A -2 3353
27		8.6A	26 7.801	-0.0029	13	-5 54 24.26	-0.040	13	0.27	7.849	16	33.4	23.61	16	33.4	K5	17	4319	A -5 3296
28		8.8A	26 35.544	0.0010	12	-7 44 24.84	-0.044	12	0.25	35.528	16	33.4	24.12	16	33.4	G0	16	4301	A -7 3240
29		9.1A	26 38.669	-0.0014	12	-6 25 20.01	-0.028	12	0.25	38.692	16	33.4	19.56	16	33.4	K2	17	4320	A -5 3299
30		7.8A	26 41.314	0.0007	13	-4 10 29.60	-0.096	13	0.27	41.303	16	33.4	28.01	16	33.4	F8	17	4321	A -3 3128
31		8.0A	26 46.116	-0.0009	14	-0 4 1.27	-0.003	20	0.29	46.128	17	36.3	1.23	17	36.3	K5	21	3260	A 0 2793
32		8.8A	26 49.350	-0.0004	13	-3 26 50.61	-0.026	13	0.27	49.358	16	33.4	50.19	16	33.4	G0	17	4322	A -2 3357
33		7.4T	26 50.779	-0.0030	07	-0 34 23.42	0.024	06	0.40	50.954	14	92.1	24.88	14	90.0	K2	GC	15759	-0 2444
34		7.1T	27 5.737	-0.0038	13	-9 47 12.33	-0.021	11	0.59	5.916	18	02.8	11.31	17	01.1	A3	GC	15766	-9 3298
35		8.7A	27 10.419	-0.0022	13	-6 1 58.39	-0.020	13	0.27	10.455	16	33.4	58.06	16	33.4	F8	17	4323K	A -5 3300
36		9.0A	27 16.930	-0.0016	14	-1 46 2.37	-0.018	20	0.29	16.952	17	36.3	2.12	17	36.3	G0	21	3263	A -1 2532
37		8.9A	27 30.461	-0.0023	13	-6 33 31.78	0.002	13	0.27	30.499	16	33.4	31.82	16	33.4	K0	17	4324	A -6 3395
38		5.1T	27 45.521	0.0011	02	-2 43 38.71	-0.020	02	0.10	45.468	04	00.9	37.69	04	98.4	K2	GC	15779	B* -2 3360
39		8.9A	27 56.804	-0.0019	13	-4 24 53.78	-0.034	13	0.27	56.836	16	33.4	53.22	16	33.4	K0	17	4326	A -3 3131
40		9.0A	27 58.045	-0.0017	13	-6 2 28.16	-0.048	13	0.27	58.073	16	33.4	27.37	16	33.4	F8	17	4327	A -5 3303
41		8.8A	28 1.389	-0.0055	12	-8 33 31.99	-0.045	12	0.25	1.480	16	33.4	31.25	16	33.4	G5	16	4306	A -8 3181
42		8.9A	28 13.503	0.0040	12	-6 52 16.57	-0.027	12	0.25	13.437	16	33.4	16.13	16	33.4	G0	16	4308	A -6 3396
43		7.6G	28 18.166	0.0025	07	-6 26 35.08	-0.007	06	0.40	18.029	14	95.0	34.70	12	94.2	F8	GC	15793K	-5 3304
44		8.8A	28 29.359	-0.0035	13	-2 40 45.10	-0.008	13	0.27	29.418	16	33.4	44.97	16	33.4	G5	17	4329	A -2 3363
45		8.9A	28 46.891	-0.0005	13	-4 1 25.39	-0.008	13	0.27	46.899	16	33.4	25.26	16	33.4	MB	17	4330	A -3 3134
46		8.5A	28 47.421	-0.0011	13	-4 58 59.20	-0.012	13	0.27	47.440	16	33.4	59.00	16	33.4	F5	17	4331	A -4 3084
47		9.1A	28 49.063	-0.0010	13	-5 54 17.21	-0.027	13	0.27	49.080	16	33.3	16.77	16	33.3	K2 R	17	4332	A -5 3305
48		9.4A	29 3.014	-0.0020	13	-4 38 6.60	0.001	13	0.27	3.047	16	33.3	6.61	16	33.3	K2 R	17	4333	A -4 3085
49		9.4A	29 3.211	-0.0018	14	-0 20 54.64	-0.008	20	0.29	3.236	17	36.3	54.53	17	36.3	K0 R	21	3265	AK -0 2797
50		8.8A	29 9.643	-0.0015	11	-8 19 7.63	0.014	11	0.24	9.668	16	33.4	7.87	16	33.4	K0	16	4311	A -7 3247
51		6.9T	11 29 23.925	-0.0018	03	-6 11 35.92	-0.089	03	0.21	24.023	09	95.2	30.73	09	91.5	K0	GC	15816	B* -5 3307
52		7.6A	29 26.473	-0.0057	14	-1 30 23.25	-0.004	20	0.29	26.551	17	36.3	23.20	17	36.3	A0	21	3266	A -0 2447
53		8.5B	29 33.429	-0.0008	06	-3 15 18.54	-0.025	04	0.35	33.468	15	02.1	17.12	14	92.6	K0	GC	15825K	B* -2 3364
54		9.5A	29 33.962	-0.0019	20	-3 15 25.47	-0.050	20	0.56	33.994	16	33.3	24.64	16	33.3		17	4336	A -2 3365
55		8.7A	29 34.873	-0.0026	12	-7 20 28.52	-0.038	12	0.25	34.916	16	33.4	27.89	16	33.4	G0	16	4313	A -6 3401
56		8.1G	29 44.662	0.0014	13	-0 8 10.61	-0.162	10	0.54	44.601	17	06.0	3.06	15	03.5	F8	GC	15829	0 2801
57		8.0A	29 51.002	-0.0012	13	-5 20 56.01	-0.000	13	0.27	51.022	16	33.4	56.00	16	33.4	K2	17	4337	A -4 3087
58		9.4A	29 55.965	-0.0022	13	-4 42 14.07	-0.000	13	0.27	56.002	16	33.3	14.07	16	33.3	K5 R	17	4338	A -4 3088
59		8.5A	29 57.982	-0.0047	13	-5 7 29.49	-0.005	13	0.27	58.060	16	33.4	29.40	16	33.4	K0	17	4339	A -4 3089
60		8.5A	29 59.702	-0.0013	13	-5 31 47.06	-0.136	13	0.27	59.723	16	33.4	44.81	16	33.4	G5	17	4340	A -5 3309
61		9.1A	30 3.839	-0.0049	13	-6 38 11.44	-0.060	13	0.27	3.921	16	33.4	10.44	16	33.4	G5	17	4341	A -6 3403
62		8.6A	30 7.001	-0.0023	11	-4 11 59.05	-0.037	11	0.24	7.039	16	33.4	58.44	16	33.4	K2	17	4342	A -3 3137
63		9.2A	30 11.130	-0.0029	14	-1 10 11.92	-0.053	20	0.29	11.169	17	36.3	11.19	17	36.3	G0 R	21	3269	A -0 2450
64		8.3A	30 12.340	-0.0024	11	-8 40 18.16	-0.002	11	0.24	12.379	16	33.4	18.12	16	33.4	K2	16	4315	A -8 3186
65		6.2T	30 14.920	-0.0009	04	-7 33 4.39	-0.002	03	0.18	14.957	09	06.2	4.26	07	03.6	K0	GC	15841	B* -7 3250
66		8.8A	30 15.189	-0.0018	11	-7 8 17.03	-0.032	11	0.24	15.219	16	33.4	16.49	16	33.4	F8	16	4317	A -6 3404
67		9.0A	30 20.978	-0.0044	13	-5 0 23.73	0.006	13	0.27	21.052	16	33.4	23.83	16	33.4	K0 F	17	4343	A -4 3092
68		8.8A	30 33.086	-0.0007	13	-5 19 52.87	-0.022	13	0.27	33.096	16	33.4	52.75	16	33.4	K0	17	4344	A -4 3093
69		8.8A	30 46.869	-0.0063	11	-9 15 44.02	-0.016	11	0.24	46.975	16	33.4	43.75	16	33.4	G0	16	4318	A -8 3188
70		7.7G	31 4.985	-0.0034	07	-6 15 39.20	-0.023	06	0.39	5.170	14	94.7	37.84	14	91.6	K0	GC	15853	-5 3313
71		9.0A	31 18.873	0.0001	12	-4 30 21.35	0.018	12	0.25	18.871	16	33.4	21.66	16	33.4	M3 F	17	4346	A -3 3139
72		8.5A	31 30.908	-0.0043	11	-3 53 23.66	0.015	11	0.24	30.980	16	33.4	23.92	16	33.4	G0	17	4347	A -3 3140
73		9.0A	31 35.532	-0.0052	09	-8 48 29.38	-0.070	09	0.22	35.619	16	33.4	28.21	16	33.4	G5	16	4321	A -8 3192
74		8.8A	31 48.071	-0.0034	11	-3 13 38.78	-0.005	11	0.24	48.128	16	33.4	38.71	16	33.4	G0	17	4348	A -2 3373
75		6.7T	31 48.705	-0.0058	09	-5 15 2.86	0.014	07	0.48	49.035	15	93.6	3.68	14	91.6	A2	GC	15868	-4 3096
76		9.2A	32 3.144	-0.0004	09	-4 1 39.96	-0.033	09	0.22	3.150	16	33.4	39.42	16	33.4	F8	17	4350	A -3 3141
77		9.0A	32 7.408	-0.0017	13	-5 18 49.87	-0.005	13	0.27	7.436	16	33.4	49.79	16	33.4	K0	17	4351	A -4 3098
78		8.2A	32 12.145	-0.0009	13	-4 40 40.37	-0.001	13	0.27	12.161	16	33.4	40.35	16	33.4	A0	17	4352	A -4 3099
79		9.3A	32 12.628	0.0021	11	-8 39 37.07	-0.022	11	0.24	12.591	16	33.4	36.70	16	33.4	G0 R	16	4322	A -8 3195
80		7.8A	32 14.135	-0.0024	14	-2 12 54.55	0.023	20	0.29	14.168	17	36.3	54.86	17	36.3	K0	21	3270	A -1 2540
81		9.1A	32 18.634	-0.0010	09	-5 22 23.34	0.009	12	0.24	18.651	16	33.3	23.49	16	33.3	K5 R	17	4353	A -4 3100
82		8.9A	32 18.707	-0.0015	11	-7 39 0.35	-0.011	11	0.24	18.732	16	33.4	0.16	16	33.4	G5	16	4323	A -7 3255
83		8.6A	32 19.345	-0.0027	14	-1 57 14.07	-0.010	20	0.29	19.382	17	36.3	13.93	17	36.3	MA	21	3271	A -1 2541
84		6.6T	32 25.876	-0.0029	06	-4 5 2.80	-0.049	06	0.27	26.004	06	05.9	0.71	06	06.9	K0	GC	15878	-3 3144
85		8.5A	32 40.954	-0.0052	11	-8 59 39.35	-0.044	11	0.24	41.040	16	33.4	38.61	16	33.4	G5	16	4324	A -8 3197
86		8.6A	32 41.111	-0.0006	11	-6 12 57.59	-0.015	11	0.24	41.121	16	33.4	57.33	16	33.4	K2	17	4355	A -5 3315
87		8.9A	33 2.107	-0.0019	14	-2 19 37.81	-0.015	20	0.29	2.133	17	36.3	37.60	17	36.3	F0	21	3272	A -1 2542
88		8.9A	33 18.397	-0.0001	13	-4 28 46.79	0.010	13	0.27	18.396	16	33.4	46.97	16	33.4	K0	17	4356	A -3 3147
89		8.9A	33 23.524	-0.0017	13	-4 46 51.90	-0.006	13	0.27	23.553	16	33.4	51.81	16	33.4	F5 F	17	4357K	A -4 3103
90		8.8A	33 27.791	-0.0062	13	-5 48 37.75	0.018	13	0.27	27.894	16	33.4	38.04	16	33.4	K0	17	4358	A -5 3317
91		9.0A	33 33.859	-0.0041	14	-0 24 46.10	-0.012	20	0.29	33.915	17	36.3	47.93	17	36.3	K0	21	3275	A 0 2809
92		8.6A	33 47.010	-0.0008	11	-8 40 3.98	0.006	11	0.24	47.023	16	33.4	4.10	16	33.4	K5	16	4326	A -8 3199
93		9.3G	33 51.738	-0.0023	13	-4 25 33.14	-0.070	14	0.60	51.835	17	08.0	30.20	18	07.7	K2	GC	15909	-3 3150
94		8.9A	33 57.249	-0.0067	11	-3 18 33.94	-0.027	11	0.24	57.394	16	33.4	33.50	16	33.4	K0	17	4360	A -2 3378
95		7.3T	34 8.063	-0.0028	22	-9 2 9.19	0.015	20	0.97	8.187	24	05.0	9.85	19	04.8	A0	GC	15920	-8 3201
96		4.8H	34 8.577	-0.0045	01	-9 31 32.04	0.003	01	0.06	8.736	03	14.8	32.16	03	14.0	B9	F4	1299	-8 3202
97		8.7A	34 19.283	-0.0004	11	-8 38 39.76	-0.004	11	0.24	19.290	16	33.4	39.68	16	33.4	K0	16	4330	A -8 3203
98		4.5M	34 23.255	0.0001	01	-0 32 51.17	0.038	01	0.03	23.251	02	11.1	52.72	02	09.6	K0	F4	437	-0 2458
99		9.0A	34 23.549	-0.0013	14	-2 25 57.13	-0.016	20	0.29	23.567	17	36.3	56.90	17	36.3	K0 R	21	3277	A -1 2545
00		9.0A	34 25.908	-0.0020	13	-6 32 28.98	-0.022	13	0.27	25.942	16	33.3	28.60	16	33.3	K2 R	17	4362	A -6 3420

138300

- 00 11H

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	EPOCH 1950 μ s	EPOCH 1950 σ_μ ″.001	EPOCH 1950 δ_{1950} ° ′ ″	EPOCH 1950 μ' ″	EPOCH 1950 $\sigma_{\mu'}$ ″.001	EPOCH 1950 σ_{1950} ″	ORIGINAL EPOCH α_2 s	ORIGINAL EPOCH σ ″.01	ORIGINAL EPOCH ep.	ORIGINAL EPOCH δ_2 ″	ORIGINAL EPOCH σ' ″.01	ORIGINAL EPOCH ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	DM NUMBER
1		8.3A	11 34 39.530	-0.0002	13	-4 18 55.57	0.020	13	0.27	39.542	16	33.4	55.91	16	33.4	K5	17	4363	A -3 3151
2		8.0A	34 43.074	-0.0010	14	-0 18 4.52	-0.014	20	0.29	43.087	17	36.3	4.32	17	36.3	K5	21	3278	A -0 2811
3		9.0A	34 43.435	-0.0084	14	-0 48 13.96	-0.135	20	0.29	43.384	17	36.3	12.11	17	36.3	G5 R	21	3279	A -0 2460
4		9.0A	34 49.281	-0.0016	11	-5 58 6.26	-0.009	11	0.24	49.308	16	33.4	6.12	16	33.4	F5	17	4364	A -5 3320
5		8.0A	34 52.119	-0.0030	13	-2 36 54.19	0.012	13	0.27	52.109	16	33.4	54.36	16	33.4	K5	17	4365	A -2 3383
6		8.5A	34 53.380	0.0012	14	-1 12 27.86	-0.052	20	0.29	53.383	17	36.3	28.04	17	36.3	F5	21	3281	A -0 2461
7		8.7B	34 56.481	-0.0015	09	-0 16 15.77	-0.040	07	0.41	56.505	17	01.0	10.48	15	97.2	K5	GC	13940	-0 2812
8		8.5A	34 58.405	-0.0088	13	-3 21 41.99	-0.001	13	0.27	58.354	16	33.4	25.97	16	33.4	F8 F	17	4366	A -2 3384
9		8.0A	35 0.397	-0.0033	13	-4 13 42.44	0.000	13	0.27	0.451	16	33.4	42.45	16	33.4	K5	17	4367	A -3 3152
10		8.6A	35 9.820	-0.0007	12	-7 52 26.90	0.007	12	0.25	9.832	16	33.4	27.01	16	33.4	K5	16	4353	A -7 3883
11		8.5A	35 20.687	-0.0016	14	-0 52 28.98	0.001	20	0.29	20.708	17	36.3	28.98	17	36.3	K2	21	3283	A -0 2462
12		8.5A	35 24.364	-0.0045	12	-9 33 28.90	0.015	12	0.25	24.438	16	33.4	29.14	16	33.4	F5	16	4334	A -9 3330
13		8.2A	35 26.549	-0.0205	14	-1 19 28.12	0.108	20	0.29	26.829	17	36.3	29.59	17	36.3	F8	21	3284	A -0 2464
14		6.2T	35 30.720	-0.0025	04	-2 9 35.15	0.005	03	0.18	30.851	07	02.4	33.40	07	06.7	GC	GC	19967K	B# -1 2546
15		9.1A	36 15.921	0.0010	14	-2 29 44.19	-0.033	20	0.29	15.907	17	36.3	43.73	17	36.3	K5 R	21	3286	A# -1 2547
16		8.3A	36 16.683	-0.0035	12	-7 19 22.74	0.007	12	0.25	16.742	16	33.4	22.86	16	33.4	F2	16	4336	A -6 3422
17		9.1A	36 20.859	-0.0002	14	-2 30 2.17	-0.041	20	0.29	20.861	17	36.3	1.80	17	36.3	K2 R	21	3287	A -1 2548
18		8.7A	36 25.524	-0.0009	11	-6 0 4.76	-0.013	11	0.24	25.539	16	33.4	4.54	16	33.4	A2	17	4370	A -5 3322
19		8.5A	36 35.083	-0.0001	14	-2 18 42.76	-0.084	20	0.29	35.084	17	36.3	42.44	17	36.3	K2	21	3288	A -1 2549
20		9.2A	36 43.544	-0.0013	12	-4 56 45.79	0.000	12	0.25	43.566	16	33.4	45.79	16	33.4	G8 F	17	4371	A -4 3112
21		8.5A	36 46.038	-0.0009	13	-3 51 35.45	-0.034	13	0.27	46.054	16	33.4	34.88	16	33.4	K2 R	17	4372	A -3 3157
22		9.1A	36 47.079	-0.0006	11	-6 45 56.32	-0.017	11	0.24	47.090	16	33.4	58.03	16	33.4	K2 R	16	4338	A -6 3425
23		9.1A	36 47.452	0.0004	11	-7 8 21.96	-0.018	11	0.24	47.446	16	33.4	21.85	16	33.4	K0 R	16	4339	A -6 3426
24		9.0A	36 55.870	-0.0019	14	-2 26 21.56	-0.051	20	0.29	55.886	17	36.3	20.85	17	36.3	K2	21	3289	A -1 2551
25		8.5A	37 6.727	-0.0051	13	-4 42 25.89	-0.027	13	0.27	6.811	16	33.4	25.45	16	33.4	G5	17	4374	A -4 3113
26		7.3A	37 6.899	-0.0013	11	-9 11 20.16	-0.020	11	0.24	6.922	16	33.4	19.82	16	33.4	K0	16	4340	A -8 3211
27		8.8A	37 7.629	-0.0092	13	-6 19 46.11	-0.089	13	0.27	7.766	16	33.4	44.62	16	33.4	G5	17	4375	A -5 3325
28		8.9A	37 10.967	-0.0077	14	-1 9 48.34	-0.029	20	0.29	11.072	17	36.3	47.94	17	36.3	G5	21	3290	A -0 2469
29		9.2A	37 11.799	-0.0043	15	-2 42 50.93	-0.017	15	0.30	11.870	16	33.4	50.66	16	33.4	K0 F	17	4376	A -2 3387
30		9.0A	37 12.317	-0.0075	13	-5 44 16.67	0.023	13	0.27	12.443	16	33.3	17.06	16	33.3	F2 R	17	4377	A -5 3326
31		8.5A	37 22.875	-0.0037	13	-4 40 50.53	-0.193	13	0.27	22.937	16	33.4	47.33	16	33.4	K0	17	4378	A -4 3114
32		9.0A	37 34.782	-0.0045	11	-5 49 52.67	0.004	11	0.24	34.857	16	33.3	52.73	16	33.3	F5 R	17	4380	A -5 3328
33		8.9A	37 35.276	-0.0011	13	-2 42 59.26	-0.017	13	0.27	35.297	16	33.4	58.97	16	33.4	F2	17	4379	A -2 3389
34		9.0A	37 42.795	-0.0042	13	-3 35 37.81	0.004	13	0.27	42.865	16	33.4	37.89	16	33.4	G5	17	4381	A -3 3158
35		8.5A	37 44.042	-0.0016	13	-3 2 29.16	-0.002	13	0.27	44.070	16	33.4	29.12	16	33.4	A5	17	4382	A -2 3390
36		9.4A	37 51.487	-0.0031	13	-4 33 17.56	-0.004	13	0.27	51.538	16	33.3	17.50	16	33.3	MK R	17	4383	A -4 3117
37		8.8A	37 56.729	-0.0030	14	-1 33 37.53	-0.080	20	0.29	56.770	17	36.3	37.25	17	36.3	K2	21	3291	A -1 2555
38		9.0A	37 57.132	0.0021	14	-2 10 55.05	-0.053	20	0.29	57.102	17	36.3	54.32	17	36.3	G5 R	21	3292	A -1 2554
39		9.3A	37 58.074	-0.0084	11	-7 9 18.95	0.030	11	0.24	58.115	16	33.4	19.44	16	33.4	G0 R	16	4341	A -8 3430
40		7.4T	38 3.788	-0.0014	09	-6 7 41.31	-0.012	08	0.35	3.840	07	11.0	40.83	07	10.6	G0	GC	16027	-7 3271
41		9.0A	38 10.282	-0.0019	14	-1 14 45.13	-0.017	20	0.29	10.308	17	36.3	44.89	17	36.3	A3	21	3293	A -0 2471
42		8.3A	38 16.012	-0.0086	11	-8 34 9.94	-0.002	11	0.24	16.056	16	33.4	9.90	16	33.4	K5	16	4343	A -8 3213
43		7.5A	38 18.185	0.0014	12	-9 38 23.51	-0.002	12	0.25	18.161	16	33.4	23.47	16	33.4	K0	16	4344	A -9 3342
44		8.0A	38 18.337	-0.0023	13	-4 55 16.00	-0.032	13	0.27	18.375	16	33.4	15.47	16	33.4	K2	17	4384	A -4 3120
45		8.9A	38 21.106	-0.0086	12	-9 32 32.01	-0.000	12	0.25	21.149	16	33.4	32.00	16	33.4	K2 R	16	4345	A -9 3343
46		7.8A	38 22.136	0.0009	14	-0 23 48.37	-0.016	20	0.29	22.124	17	36.3	48.15	17	36.3	K2	21	3294	A -0 2821
47		8.8A	38 22.694	0.0032	14	-2 30 8.82	-0.010	20	0.29	22.651	17	36.3	8.69	17	36.3	F8 R	16	3295K	A -1 2556
48		9.4A	38 34.232	-0.0016	12	-9 49 57.53	-0.025	12	0.25	34.259	16	33.4	57.11	16	33.4	G0 R	16	4346	A -9 3344
49		9.0A	38 41.770	-0.0042	11	-3 35 45.14	-0.004	11	0.24	41.840	16	33.4	45.08	16	33.4	F2	17	4386	A -3 3162
50		8.4A	38 45.315	-0.0043	14	-1 30 1.20	-0.068	20	0.29	45.374	17	36.3	0.26	17	36.3	F5	21	3296	A -0 2472
51		8.8A	11 39 10.622	-0.0016	11	-6 56 36.47	-0.031	11	0.24	10.649	16	33.4	37.95	16	33.4	F0	16	4347	A -6 3433
52		7.3T	39 12.496	-0.0142	13	-8 47 59.70	0.040	12	0.60	13.123	19	05.7	+ 1.53	18	03.8	G5	GC	16054	-8 3217
53		8.7A	39 12.606	-0.0165	11	-6 24 24.31	-0.035	11	0.24	12.680	16	33.4	23.72	16	33.4	G5	17	4387	A -5 3333
54		8.7A	39 18.860	-0.0017	13	-5 45 49.88	-0.017	13	0.27	18.886	16	33.3	49.59	16	33.3	K5 R	17	4388	A -5 3334
55		8.5A	39 19.566	0.0010	13	-6 39 53.36	-0.029	13	0.27	19.551	16	33.4	52.87	16	33.4	K0	17	4389	A -6 3434
56		9.0A	39 28.659	0.0003	13	-2 45 52.50	-0.027	13	0.27	28.655	16	33.4	52.06	16	33.4	G0 F	17	4390	A -2 3395
57		9.3A	39 32.594	-0.0045	13	-3 49 57.73	-0.056	13	0.27	32.669	16	33.4	56.81	16	33.4	F5 F	17	4391	A -3 3163
58		9.1A	39 36.080	0.0003	11	-7 27 29.93	-0.042	11	0.24	36.075	16	33.4	29.23	16	33.4	F2 R	16	4351	A -6 3435
59		9.4A	39 47.650	-0.0015	12	-9 43 52.22	0.002	12	0.25	47.676	16	33.4	52.24	16	33.4	K0 R	16	4352	A -9 3345
60		9.0A	39 55.825	-0.0007	13	-2 42 25.97	-0.019	13	0.27	55.837	16	33.4	25.65	16	33.4	M3 F	17	4392	A -2 3397
61		8.0A	39 59.216	-0.0031	13	-4 22 18.01	-0.022	13	0.27	59.267	16	33.4	17.65	16	33.4	K2	17	4393	A -3 3164
62		9.0A	40 3.319	-0.0001	14	-0 39 36.76	-0.024	20	0.29	3.320	17	36.3	38.43	17	36.3	K5	21	3297	A -0 2477
63		8.5A	40 15.002	-0.0035	11	-6 8 17.40	0.024	11	0.24	15.080	16	33.4	17.80	16	33.4	K0	17	4394	A -5 3336
64		8.3A	40 16.001	-0.0068	12	-9 3 51.53	0.003	12	0.25	16.044	16	33.4	51.57	16	33.4	A3	16	4354	A -8 3224
65		7.2A	40 16.754	-0.0080	11	-3 16 2.12	-0.066	11	[illegible]	16.854	16	33.4	1.02	16	33.4	A0	17	4395	A -2 3399
66		7.3A	40 24.439	-0.0090	12	-8 50 34.36	-0.006	12	[illegible]	24.589	16	33.4	34.25	16	33.4	G5	16	4355	A -8 3225
67		9.2A	40 27.176	-0.0017	11	-8 37 54.14	0.003	11	0.24	27.148	16	33.4	54.18	16	33.4	G0 R	16	4356	A -8 3226
68		8.3A	40 32.188	-0.0014	13	-5 9 46.41	-0.004	13	0.27	32.212	16	33.4	46.35	16	33.4	K5	17	4396	A -4 3131
69		9.0A	40 32.510	-0.0022	14	-0 40 3.47	-0.016	20	0.29	32.540	17	36.3	3.24	17	36.3	K0 R	21	3299	A -0 2478
70		9.1A	40 33.701	-0.0009	11	-4 18 57.82	0.013	11	0.24	33.715	16	33.4	58.05	16	33.4	K6 F	17	4397	A -3 3165
71		8.8A	41 0.878	-0.0007	11	-8 53 56.54	-0.002	11	0.24	0.889	16	33.4	56.50	16	33.4	G0	16	4357	A -8 3228
72		8.9A	41 11.164	-0.0013	12	-7 46 1.13	-0.029	12	0.25	11.186	16	33.4	0.64	16	33.4	K2 R	16	4358	A -7 3277
73		8.0A	41 14.051	-0.0012	12	-9 47 20.20	-0.009	12	0.25	14.071	16	33.4	20.04	16	33.4	K2	16	4359	A -9 3349
74		8.9A	41 16.705	-0.0015	14	-2 4 10.27	-0.022	20	0.29	16.728	17	36.3	9.96	17	36.3	K5	21	3300	A -1 2562
75		6.2T	41 21.757	0.0037	03	-6 23 56.29	-0.045	03	0.17	21.586	07	04.5	54.05	07	00.4	K0	GC	16097	B# -5 3340
76		6.8T	41 22.119	0.0010	12	-8 51 16.20	-0.037	11	0.57	22.070	17	03.2	14.40	15	01.8	K0	GC	16098	-8 3229
77		9.2A	41 29.482	-0.0017	12	-9 43 19.53	0.012	12	0.25	29.511	16	33.4	19.72	16	33.4	K0 R	16	4363	A -9 3352
78		8.0A	41 30.906	-0.0029	11	-4 31 45.40	-0.056	11	0.24	30.954	16	33.4	44.44	16	33.4	F5	17	4399	A -3 3167
79		8.5A	41 36.198	-0.0107	13	-5 17 42.93	-0.025	13	0.27	36.376	16	33.4	42.52	16	33.4	K0	17	4400	A -4 3132
80		9.0A	41 48.679	-0.0021	09	-6 16 50.86	-0.018	09	0.22	48.914	16	33.3	50.56	16	33.3	K0 R	17	4401	A -5 3342
81		8.8A	41 55.495	-0.0084	11	-7 48 36.26	-0.028	11	0.24	55.535	16	33.4	35.79	16	33.4	G5	16	4365K	A -7 3278
82		8.2A	42 2.380	0.0001	14	-1 6 28.10	-0.005	20	0.29	2.388	17	36.3	26.02	17	36.3	MA	21	3301	A -0 2479
83		8.6A	42 4.566	-0.0020	09	-7 32 37.47	-0.004	09	0.22	4.600	16	33.4	37.53	16	33.4	K5	16	4367	A -7 3279
84		8.2A	42 8.257	-0.0022	11	-4 13 57.65	-0.040	11	0.24	8.294	16	33.4	56.99	16	33.4	F2	17	4402	A -3 3169
85		9.0A	42 11.178	-0.0001	11	-8 52 44.68	-0.016	11	0.24	11.177	16	33.4	44.40	16	33.4	G0	16	4369	A -8 3232
86		8.9A	42 16.453	0.0003	13	-4 18 52.69	-0.040	13	0.27	16.449	16	33.4	52.09	16	33.4	K5 F	17	4403	A -3 3170
87		9.0A	42 18.620	0.0003	14	-1 45 39.35	-0.033	20	0.29	18.616	17	36.3	38.89	17	36.3	F8	21	3303	A -1 2563
88		7.4T	42 27.727	-0.0035	09	-0 14 19.65	-0.100	08	0.47	27.901	17	00.2	14.37	17	97.2	K0	GC	16114	-0 2831
89		9.1A	42 31.346	-0.0026	09	-2 36 8.55	0.007	09	0.22	31.389	16	33.3	8.66	16	33.3	G5 R	17	4404	A -2 3407
90		9.1A	42 43.934	-0.0004	11	-9 40 30.63	-0.017	11	0.24	43.941	16	33.4	30.34	16	33.4	G5 R	16	4370	A -9 3356
91		8.2A	42 44.364	0.0020	11	-6 13 47.92	-0.086	11	0.24	44.331	16	33.4	46.82	16	33.4	K0	17	4405	A -5 3346
92		9.1A	43 30.205	-0.0006	11	-6 58 47.79	0.017	11	0.24	30.215	16	33.4	48.06	16	33.4	K0 R	16	4371	A -6 3236
93		8.3A	43 34.791	-0.0021	12	-6 21 41.13	-0.016	12	0.25	34.827	16	33.4	40.86	16	33.4	G5	17	4406	A -5 3349
94		8.7A	43 36.189	-0.0005	09	-7 29 28.69	0.005	09	0.22	36.177	16	33.4	28.76	16	33.4	F8	16	4372	A -6 3443
95		7.3A	43 46.239	-0.0044	11	-2 43 28.76	-0.013	11	0.24	46.332	16	33.4	28.54	16	33.4	K0	17	4407	A -2 3410
96		8.0A	43 47.936	-0.0035	11	-5 4 16.10	0.003	11	0.24	47.994	16	33.4	16.15	16	33.4	F0	17	4408	A -4 3137
97		9.1A	43 56.278	0.0024	11	-7 59 48.59	-0.008	11	0.24	56.236	16	33.4	48.45	16	33.4	F8 R	16	4373	A -7 3262
98		9.2A	44 6.399	0.0004	11	-8 23 41.46	0.003	11	0.24	6.393	16	33.4	41.50	16	33.4	K0 R	16	4374	A -7 3285
99		7.2A	44 7.151	0.0011	12	-3 27 50.90	-0.056	12	0.25	7.133	16	33.4	49.98	16	33.4	F2	17	4409	A -2 3411
00		8.5A	44 10.936	-0.0015	09	-4 25 3.07	-0.036	09	0.22	10.982	16	33.4	2.48	16	33.4	F5	17	4410	A -3 3173

138400 — EPOCH 1950 — ORIGINAL EPOCH — SOURCE — -00 11H

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	σ'_μ ″.001	σ_{1950} ″	α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.		SOURCE CAT.	SOURCE STAR NUMBER	DM NUMBER
1		8.5A	11 44 19.353	-0.0013	12	-9 59 22.76	0.015	12	0.25	19.374	16	33.4	23.00	16	33.4	K2		16	4375	A -9 3361
2		8.6A	44 26.484	-0.0014	14	-1 21 7.11	-0.009	20	0.29	26.503	17	36.3	6.98	17	36.3	F2		21	3307	A -0 2490
3		8.0A	44 36.442	0.0007	13	-4 54 9.24	-0.009	13	0.27	36.430	16	33.4	9.09	16	33.4	K5		17	4411	A -4 3140
4		8.8A	44 47.604	-0.0031	11	-2 48 27.44	0.012	11	0.24	47.656	16	33.4	27.65	16	33.4	G5		17	4412	A -2 3414
5		8.0A	44 58.159	-0.0022	13	-4 59 7.15	-0.051	13	0.27	58.196	16	33.4	6.30	16	33.4	K0		17	4413	A -4 3144
6		8.3A	44 59.978	-0.0018	11	-6 11 25.89	0.001	11	0.24	0.008	16	33.4	25.90	16	33.4	F0		17	4414	A -5 3353
7		8.9A	45 0.258	0.0001	12	-9 55 33.96	0.013	12	0.25	0.257	16	33.4	34.17	16	33.4	MA	R	16	4377	A -9 3364
8		9.4A	45 9.882	-0.0027	12	-2 23 20.90	-0.024	12	0.25	9.926	16	33.3	20.49	16	33.3	K0	R	17	4415	A -1 2570
9		9.0A	45 12.950	-0.0013	14	-0 3 14.66	-0.026	20	0.29	12.968	17	36.3	14.31	17	36.3	K5		21	3310	A 0 2839
10		9.0A	45 13.162	-0.0002	11	-6 43 32.23	-0.009	09	0.23	13.165	16	33.4	32.07	16	33.4	K5	R	16	4378	A -6 3448
11		9.1A	45 14.364	0.0002	13	-3 25 14.81	-0.035	13	0.27	14.361	16	33.4	14.22	16	33.4	K2		17	4416	A -2 3415
12		9.0A	45 19.879	0.0008	13	-5 58 0.88	0.004	13	0.27	19.866	16	33.4	0.95	16	33.4	G5		17	4418	A -5 3355
13		9.1A	45 26.343	0.0061	11	-8 20 51.03	-0.056	12	0.24	26.242	16	33.4	50.09	16	33.4	F5		16	4379	A -7 3288
14		9.1A	45 26.945	0.0047	11	-8 20 56.73	-0.049	12	0.24	26.868	16	33.4	55.91	16	33.4	F5		16	4380	A -7 3288
15		9.2A	45 29.783	-0.0025	11	-7 51 11.23	-0.008	11	0.24	29.825	16	33.4	11.09	16	33.4	F8	R	16	4381	A -7 3290
16		7.8A	45 44.212	-0.0023	12	-8 35 47.10	0.013	12	0.25	44.250	16	33.4	47.31	16	33.4	K0		16	4382	A -8 3241
17		9.1A	45 50.122	-0.0032	12	-9 37 9.33	0.012	12	0.25	50.175	16	33.4	9.52	16	33.4	G5		16	4383	A -9 3365
18		7.7A	45 52.669	-0.0023	11	-2 57 39.00	0.005	11	0.24	52.708	16	33.4	39.09	16	33.4	F0		17	4419	A -2 3417
19		7.6A	45 57.934	-0.0038	12	-9 5 53.64	0.019	12	0.25	57.997	16	33.4	53.95	16	33.4	K2		16	4386	A -8 3242
20		6.2T	46 28.184	-0.0147	08	-0 2 26.29	0.005	08	0.40	28.896	07	01.6	26.53	09	01.2	F8		GC	16187	0 2843
21		7.7A	46 29.844	-0.0001	11	-8 50 23.69	0.005	11	0.24	29.845	16	33.4	23.77	16	33.4	K0		16	4387	A -8 3243
22		8.5A	46 33.205	-0.0018	13	-5 30 19.56	-0.025	13	0.27	33.235	16	33.4	19.14	16	33.4	F8		17	4420	A -4 3148
23		8.5A	46 36.218	-0.0013	12	-8 34 1.72	-0.052	12	0.25	36.239	16	33.4	0.85	16	33.4	G5		16	4388	A -8 3244
24		7.1T	46 37.516	-0.0011	10	-7 4 57.89	-0.014	09	0.47	37.568	09	00.7	57.17	10	99.5	K5		GC	16191	-6 3455
25		7.5A	46 42.003	-0.0005	12	-6 37 1.98	-0.000	12	0.25	42.012	16	33.4	1.97	16	33.4	K2		17	4421	A -6 3456
26		8.8A	46 43.216	0.0022	13	-3 2 4.29	-0.056	13	0.27	43.180	16	33.4	3.35	16	33.4	MA		17	4422	A -2 3420
27		9.0A	46 55.672	-0.0001	13	-4 31 42.46	-0.012	13	0.27	55.674	16	33.4	42.26	16	33.4	G5	F	17	4423	A -3 3182
28		9.0A	47 2.625	-0.0023	14	-2 28 3.98	0.005	20	0.29	2.656	17	36.3	4.04	17	36.3	K0		21	3312	A -1 2572
29		9.1A	47 5.121	-0.0047	12	-7 8 32.78	-0.058	12	0.25	5.199	16	33.4	31.81	16	33.4	G0	R	16	4391	A -6 3457
30		8.5A	47 17.204	0.0006	12	-7 46 58.02	-0.022	12	0.25	17.195	16	33.4	57.64	16	33.4	K0		16	4392	A -7 3295
31		8.0A	47 18.920	-0.0001	13	-4 34 16.92	0.005	13	0.27	18.921	16	33.4	17.00	16	33.4	K2		17	4425	A -4 3149
32		8.5A	47 19.765	-0.0012	11	-7 18 37.84	-0.003	11	0.24	19.785	16	33.4	37.78	16	33.4	K0		16	4393	A -6 3458
33		8.5A	47 41.844	-0.0024	12	-9 43 8.20	-0.024	12	0.25	41.883	16	33.4	7.79	16	33.4	MA	R	16	4394	A -9 3375
34		8.9A	47 43.456	-0.0019	11	-8 19 11.42	-0.007	11	0.24	43.490	16	33.4	11.29	16	33.4	K0		16	4395	A -7 3298
35		7.4A	47 45.497	-0.0018	12	-7 5 51.95	-0.000	12	0.25	45.527	16	33.4	51.94	16	33.4	F8		16	4396	A -6 3460
36		9.3Q	47 48.525	-0.0291	14	-0 58 30.16	0.025	14	0.65	49.805	15	06.0	31.29	15	04.6	K0		GC	16211	-0 2498
37		8.0A	47 52.881	-0.0013	14	-2 8 26.19	-0.048	20	0.29	52.899	17	36.3	25.53	17	36.3	G0		21	3314	A -1 2576
38		8.0A	47 55.954	0.0002	13	-5 55 57.87	-0.002	13	0.27	55.951	16	33.4	57.83	16	33.4	K2		17	4426	A -5 3367
39		9.1A	48 0.238	0.0004	11	-7 13 7.74	-0.017	11	0.24	0.230	16	33.4	7.45	16	33.4	K5	R	16	4397	A -6 3461
40		8.5A	48 8.908	-0.0022	12	-9 40 10.12	0.021	12	0.25	8.944	16	33.4	10.46	16	33.4	MA	R	16	4398	A -9 3378
41		8.0A	48 10.993	-0.0036	11	-9 7 10.63	0.005	11	0.24	11.054	16	33.4	10.70	16	33.4	K0		16	4399	A -8 3247
42		9.2A	48 15.318	-0.0016	14	-2 30 6.37	-0.034	20	0.29	15.340	17	36.3	5.90	17	36.3	K0	R	21	3315	A -1 2577
43		9.0A	48 22.575	0.0004	13	-5 19 26.26	-0.029	13	0.27	22.569	16	33.4	25.78	16	33.4	G5	F	17	4427	A -4 3151
44		8.5A	48 28.499	-0.0056	13	-5 55 32.47	-0.090	13	0.27	28.592	16	33.4	30.97	16	33.4	K0		17	4429	A -5 3370
45		5.8M	48 28.750	0.0001	02	-5 3 18.92	-0.006	02	0.06	28.747	03	18.2	18.73	03	15.1	K0		F4	1306	-4 3152
46		7.7A	48 29.097	-0.0052	11	-8 59 43.19	0.005	11	0.24	29.183	16	33.4	43.27	16	33.4	F0		16	4400	A -8 3249
47		6.9T	48 37.606	0.0022	11	-7 42 46.74	-0.015	09	0.55	37.492	15	99.6	45.95	14	98.3	K0		GC	16224	-7 3303
48		8.0A	48 47.807	-0.0022	12	-9 41 55.56	-0.017	12	0.25	47.844	16	33.4	55.27	16	33.4	A5		16	4402	A -9 3381
49		8.9A	48 57.958	0.0049	12	-4 36 38.51	-0.038	12	0.25	57.877	16	33.4	37.89	16	33.4	G8	F	17	4430	A -4 3154
50		9.0A	49 13.222	-0.0009	11	-7 18 24.89	-0.027	11	0.24	13.237	16	33.4	24.44	16	33.4	G5	R	16	4403	A -6 3466
51		8.0A	11 49 16.770	-0.0017	13	-5 29 0.24	-0.046	13	0.27	16.799	16	33.4	59.48	16	33.4	K2		17	4431	A -4 3155
52		9.4A	49 26.268	0.0014	13	-4 13 7.60	-0.040	13	0.27	26.245	16	33.4	6.95	16	33.4	F5	F	17	4432	A -3 3191
53		8.9A	49 30.299	0.0009	13	-6 35 41.51	-0.063	13	0.27	30.285	16	33.4	40.45	16	33.4	K2		17	4433	A -6 3467
54		9.1A	49 42.128	-0.0013	13	-6 0 21.58	0.023	13	0.27	42.151	16	33.4	21.96	16	33.4	F2		17	4434	A -5 3373
55		8.9A	50 3.075	0.0007	11	-7 59 21.54	0.002	11	0.24	3.063	16	33.4	21.56	16	33.4	K0	R	16	4405	A -7 3306
56		9.4A	50 9.545	0.0005	11	-8 40 32.47	-0.001	09	0.23	9.537	16	33.4	32.44	16	33.4	A2	R	16	4406	A -8 3254
57		8.5A	50 11.674	-0.0006	11	-7 19 6.02	0.007	11	0.24	11.685	16	33.4	6.13	16	33.4	MC		16	4407	A -6 3469
58		9.0A	50 23.103	-0.0073	14	-0 59 35.20	0.017	20	0.29	23.203	17	36.3	35.43	17	36.3	F8		21	3317	A -0 2501
59		8.7A	50 25.079	-0.0019	13	-5 57 33.97	0.008	13	0.27	25.111	16	33.4	34.10	16	33.4	K5		17	4435	A -5 3377
60		8.3Q	50 53.902	0.0001	08	-3 36 19.27	0.005	07	0.40	53.898	15	00.4	19.56	15	97.5	K5		GC	16264	-3 3197
61		8.8A	51 1.991	-0.0017	11	-4 47 26.13	-0.015	11	0.24	2.020	16	33.4	25.89	16	33.4	K0		17	4437	A -4 3158
62		8.8A	51 5.461	-0.0077	12	-4 28 12.63	-0.022	12	0.25	5.590	16	33.4	12.27	16	33.4	G5		17	4438	A -3 3198
63		9.1A	51 9.937	0.0004	14	-1 24 57.51	-0.010	20	0.29	9.932	17	36.3	57.37	17	36.3	F5	R	21	3318	A -0 2505
64		7.3T	51 18.490	-0.0024	04	-3 29 52.77	-0.049	04	0.19	18.592	07	07.6	50.54	07	05.0	G5		GC	16274	B* -2 3433
65		9.5A	51 24.969	0.0014	11	-8 6 53.21	-0.004	11	0.24	24.946	16	33.4	53.14	16	33.4	G5	R	16	4409	A -7 3311
66		9.3A	51 25.470	-0.0008	14	-1 30 5.77	0.005	20	0.29	25.480	17	36.3	5.83	17	36.3	F5	R	21	3319	A -0 2506
67		8.4A	51 28.492	-0.0010	14	-0 45 40.52	-0.018	20	0.29	28.505	17	36.3	40.27	17	36.3	K2		21	3320	A -0 2507
68		9.0A	51 38.969	0.0079	11	-7 12 47.88	0.051	11	0.24	38.838	16	33.4	48.72	16	33.4	G5		16	4410	A -6 3474
69		8.6A	51 39.513	-0.0012	13	-4 5 29.31	-0.025	13	0.27	39.533	16	33.4	28.90	16	33.4	G0		17	4440	A -3 3200
70		8.5A	51 40.873	-0.0005	12	-7 6 19.30	-0.000	12	0.25	40.881	16	33.4	19.29	16	33.4	A0		16	4411	A -6 3475
71		9.0A	51 43.020	-0.0019	11	-5 53 49.88	0.019	11	0.24	43.051	16	33.3	50.19	16	33.3	F8	R	17	4441	A -5 3380
72		8.7A	51 50.354	-0.0019	11	-6 30 10.72	-0.007	11	0.24	50.386	16	33.4	10.59	16	33.4	G5		17	4442	A -5 3381
73		8.4A	52 1.752	-0.0030	11	-9 26 12.70	-0.029	11	0.24	1.803	16	33.4	12.21	16	33.4	K0		16	4413	A -8 3255
74		9.1A	52 4.949	-0.0025	14	-1 25 12.16	0.011	20	0.29	4.983	17	36.3	12.30	17	36.3	M2	R	21	3321	A -0 2509
75		8.7A	52 11.726	-0.0011	13	-5 41 12.58	-0.046	13	0.27	11.744	16	33.4	11.81	16	33.4	K2		17	4443	A -5 3382
76		7.9Q	52 17.811	0.0087	07	-1 10 8.34	-0.316	06	0.36	17.334	09	95.1	50.76	09	94.4	G5		GC	16290	-0 2510
77		8.6A	52 18.617	-0.0007	12	-9 7 49.07	0.035	12	0.25	18.628	16	33.4	49.64	16	33.4	F5		16	4414	A -8 3256
78		8.6A	52 20.983	0.0008	14	-2 5 47.09	-0.003	20	0.29	20.972	17	36.3	47.04	17	36.3	K0		21	3323	A -1 2587
79		8.4A	52 27.146	-0.0025	14	-0 16 40.25	-0.006	20	0.29	27.180	17	36.3	40.17	17	36.3	F2		21	3324	A 0 2858
80		9.5A	52 31.426	-0.0003	11	-8 2 1.21	0.008	11	0.24	31.432	16	33.4	1.33	16	33.4	G5	R	16	4415	A -7 3314
81		9.0A	52 42.286	0.0004	14	-2 15 45.13	0.006	20	0.29	42.280	17	36.3	45.21	17	36.3	G5		21	3325	A -1 2588
82		8.3A	52 42.324	-0.0041	11	-3 9 54.80	-0.039	11	0.24	42.392	16	33.4	54.14	16	33.4	F8		17	4444	A -2 3438
83		8.3A	52 49.908	0.0022	13	-3 19 14.69	-0.068	13	0.27	49.872	16	33.4	13.57	16	33.4	G0		17	4445	A -2 3439
84		9.0A	52 51.865	-0.0017	13	-5 56 26.36	-0.033	13	0.27	51.893	16	33.4	25.81	16	33.4	G5		17	4446	A -5 3385
85		7.1T	52 52.838	-0.0019	06	-4 51 22.38	-0.019	05	0.31	52.933	10	00.5	21.41	10	97.8	A2		GC	16305	-4 3162
86		8.5A	53 7.649	-0.0042	13	-3 46 6.40	0.000	13	0.27	7.719	16	33.4	6.81	16	33.4	K0		17	4448	A -3 3201
87		9.0A	53 9.084	-0.0006	11	-7 55 29.15	-0.017	11	0.24	9.095	16	33.4	28.86	16	33.4	G5		16	4416	A -7 3316
88		8.6A	53 27.534	-0.0001	14	-1 9 48.42	-0.030	20	0.29	27.535	17	36.3	48.00	17	36.3	F5		21	3326	A -0 2512
89		9.5A	53 32.437	-0.0040	14	-0 31 13.15	0.004	20	0.29	32.492	17	36.3	13.20	17	36.3	F5		21	3327	A* 0 2860
90		9.1A	53 34.170	-0.0014	11	-5 48 47.38	0.016	11	0.24	34.194	16	33.4	47.64	16	33.4	F8	R	17	4449	A -5 3388
91		9.1A	53 41.157	-0.0005	12	-6 51 38.28	-0.002	12	0.25	41.165	16	33.4	38.24	16	33.4	F8	R	16	4418	A -6 3479
92		9.4A	54 3.571	-0.0076	20	-4 19 59.82	-0.048	20	0.36	3.697	16	33.4	59.03	16	33.4			17	4450	A -3 3206
93		8.9Q	54 3.714	-0.0064	07	-4 19 47.23	-0.055	05	0.39	4.067	15	94.9	43.57	14	82.8	G0		GC	16331	-3 3207
94		8.9A	54 7.722	-0.0037	14	-2 29 59.45	-0.020	20	0.29	7.772	17	36.3	59.17	17	36.3	K0		21	3328	A -1 2594
95		9.3A	54 13.455	-0.0001	12	-8 42 59.79	-0.000	12	0.25	13.456	16	33.4	59.78	16	33.4	K2	R	16	4420	A -8 3263
96		6.9T	54 27.151	-0.0105	08	-4 30 15.76	0.015	09	0.44	27.663	07	01.3	16.52	10	00.2	F5		GC	16343	-3 3210
97		9.4A	54 32.968	-0.0005	12	-9 8 27.13	0.010	12	0.25	32.976	16	33.4	27.29	16	33.4	A3		16	4421	A -8 3264
98		8.7A	54 36.341	0.0004	13	-3 50 51.82	-0.047	13	0.27	36.334	16	33.4	51.05	16	33.4	G5		17	4455	A -3 3211
99		9.0A	54 41.836	0.0036	14	-6 42 1.82	0.139	12	0.24	41.777	16	33.4	4.12	16	33.4	K8	R	16	4422	A -6 3481
00		8.8A	54 47.699	-0.0001	13	-3 41 29.88	-0.014	13	0.27	47.700	16	33.4	29.66	16	33.4	K5		17	4456	A -3 3212

138500

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	EPOCH 1950 μ s	EPOCH 1950 σ_μ ″.001	EPOCH 1950 δ_{1950} ° ′ ″	EPOCH 1950 μ' ″	EPOCH 1950 $\sigma_{\mu'}$ ″.001	EPOCH 1950 σ_{1950} ″	ORIGINAL EPOCH α_2 s	ORIGINAL EPOCH σ ″.01	ORIGINAL EPOCH ep.	ORIGINAL EPOCH δ_2 ″	ORIGINAL EPOCH σ' ″.01	ORIGINAL EPOCH ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	− 00 11H DM NUMBER
1		6.6T	11 55 12.095	-0.0086	09	-8 16 15.10	0.001	08	0.46	12.429	14	98.9	15.13	12	99.2	G0	GC	16360	-7 3322
2		8.1A	55 12.712	-0.0022	11	-7 59 44.95	-0.072	11	0.24	12.748	16	33.4	43.75	16	33.4	F8	16	4425	A -7 3323
3		8.0A	55 14.080	-0.0011	12	-9 52 45.24	-0.020	12	0.25	14.079	16	33.4	44.90	16	33.4	K2	16	4426	A -9 3400
4		9.0A	55 16.346	-0.0001	13	-4 53 32.75	-0.006	13	0.27	16.348	16	33.4	32.65	16	33.4	K0 F	17	4457	A -4 3171
5		9.0A	55 16.485	-0.0019	11	-8 42 29.11	-0.040	11	0.24	16.498	16	33.4	28.44	16	33.4	G5	16	4428	A -8 3285
6		9.2A	55 27.284	-0.0009	11	-5 50 56.81	-0.018	11	0.24	27.300	16	33.4	56.50	16	33.4	F8 R	17	4458	A -5 3393
7		9.0A	55 31.913	0.0002	13	-6 41 15.81	0.003	13	0.27	31.910	16	33.4	13.85	16	33.4	K0 R	17	4459	A -6 3485
8		7.1T	55 33.512	-0.0097	08	-4 5 35.84	0.077	09	0.47	34.040	12	95.7	38.06	14	95.5	F2	GC	16369	-5 3213
9		9.0A	55 34.378	-0.0026	13	-5 28 46.83	-0.018	13	0.27	34.422	16	33.4	46.33	16	33.4	K0 R	17	4461	A -4 3174
10		8.8A	55 49.047	-0.0080	12	-9 44 51.72	-0.005	12	0.25	49.080	16	33.4	51.63	16	33.4	K5	16	4431	A -9 3405
11		9.0A	55 51.348	-0.0036	11	-9 40 0.78	0.014	11	0.24	51.408	16	33.4	1.01	16	33.4	G	16	4434	A -9 3407
12		9.0A	55 51.568	-0.0008	12	-7 21 5.19	-0.025	12	0.25	51.582	16	33.4	4.77	16	33.4	G5	16	4433	A -6 3487
13		8.9A	56 8.161	-0.0068	12	-7 43 44.24	-0.019	12	0.25	8.295	16	33.4	43.92	16	33.4	G5	16	4435	A -7 3326
14		9.2A	56 21.695	-0.0008	12	-9 2 7.72	-0.031	12	0.25	21.711	16	33.4	7.20	16	33.4	K5	16	4436	A -8 3287
15		8.9A	56 23.300	-0.0053	12	-7 47 6.09	-0.012	12	0.25	23.389	16	33.4	5.88	16	33.4	G5	16	4437	A -7 3329
16		7.8A	56 27.382	-0.0014	13	-6 22 32.00	0.033	13	0.27	27.406	16	33.4	32.54	16	33.4	F2	17	4462	A -5 3396
17		8.8A	56 29.007	0.0070	13	-4 29 48.16	-0.193	13	0.27	28.890	16	33.4	44.96	16	33.4	G5	17	4463	A -3 3216
18		9.1A	56 31.407	0.0023	13	-5 54 58.47	-0.053	13	0.27	31.369	16	33.4	57.58	16	33.4	G5 R	17	4464	A -5 3397
19		9.3A	56 35.440	0.0016	12	-8 59 1.71	0.004	12	0.25	35.414	16	33.4	1.77	16	33.4	F5 R	16	4439	A -8 3288
20		7.3A	56 40.849	0.0008	11	-3 2 36.77	-0.022	11	0.24	40.836	16	33.4	38.41	16	33.4	MA	17	4465	A -2 3446
21		7.1T	57 0.379	-0.0031	07	-1 38 23.95	-0.026	07	0.41	0.545	12	96.5	22.55	14	96.9	K0	GC	16400	-1 2600
22		8.8A	57 5.696	0.0008	12	-7 37 50.72	-0.008	12	0.25	5.686	16	33.4	50.58	16	33.4	K5	16	4441	A -8 3271
23		8.3A	57 11.573	-0.0005	12	-3 40 34.84	-0.014	12	0.25	11.581	16	33.4	34.62	16	33.4	K5	17	4466	A -3 3217
24		8.4A	57 21.323	-0.0030	13	-7 21 47.78	-0.022	13	0.27	21.373	16	33.4	47.41	16	33.4	A5	16	4442	A -6 3492
25		8.8A	57 40.711	-0.0061	12	-7 32 19.96	-0.029	12	0.25	40.812	16	33.4	19.47	16	33.4	K0	16	4443	A -7 3331
26		8.8A	57 50.607	-0.0047	14	-0 24 48.60	0.003	20	0.29	50.671	17	36.3	48.64	17	36.3	G5	21	3331	A 0 2875
27		8.6A	57 54.090	-0.0070	11	-4 16 6.24	-0.160	11	0.24	54.207	16	33.4	3.59	16	33.4	G5	17	4467	A -3 3218
28		8.7A	58 4.590	0.0000	13	-4 50 31.52	0.010	13	0.27	4.590	16	33.4	31.70	16	33.4	F0	17	4468	A -4 3181
29		8.8A	58 8.230	0.0001	13	-2 39 9.52	0.007	13	0.27	8.229	16	33.4	9.65	16	33.4	F8	17	4469	A -2 3449
30		8.9A	58 14.119	-0.0059	12	-9 40 54.02	-0.009	12	0.25	14.217	16	33.4	53.86	16	33.4	A0	16	4446	A -9 3414
31		9.3A	58 15.884	-0.0003	12	-6 46 30.38	-0.073	12	0.25	15.889	16	33.4	29.16	16	33.4	G0	16	4447	A -6 3493
32		9.0A	58 22.077	-0.0052	13	-4 12 29.80	-0.064	13	0.27	22.164	16	33.4	28.91	16	33.4	K0	17	4470	A -3 3220
33		6.5T	58 28.055	-0.0012	04	-1 29 19.24	-0.074	03	0.18	28.111	07	00.4	15.56	07	00.4	K0	GC	16426	B* -0 2520
34		8.9A	58 29.347	-0.0121	14	-1 18 46.34	-0.082	20	0.29	29.512	17	36.3	45.21	17	36.3	G5	21	3334	A -0 2521
35		8.7A	58 35.077	-0.0030	12	-3 17 37.99	-0.029	12	0.25	35.127	16	33.4	37.52	16	33.4	G5	17	4471	A -2 3450
36		8.8A	58 36.536	-0.0022	12	-9 35 48.02	0.010	12	0.25	36.572	16	33.4	48.18	16	33.4	A0	16	4448	A -9 3416
37		9.4A	58 52.191	0.0002	13	-3 52 26.56	-0.006	13	0.27	52.188	16	33.4	26.47	16	33.4	K0 F	17	4472	A -3 3223
38		8.8A	58 52.535	-0.0031	11	-3 55 12.53	-0.016	11	0.24	52.587	16	33.4	12.27	16	33.4	K5	17	4473	A -3 3224
39		8.4A	58 52.745	-0.0086	12	-7 52 45.87	-0.089	12	0.25	52.855	16	33.4	44.38	16	33.4	K0	16	4449	A -7 3332
40		9.0A	58 52.932	-0.0009	14	-1 56 42.18	0.006	20	0.29	52.943	17	36.3	42.26	17	36.3	K0 R	21	3335	A -1 2606
41		8.5B	58 53.660	-0.0007	11	-0 5 9.79	-0.012	08	0.49	53.692	18	04.1	9.18	15	99.2	A	GC	16431	0 2877
42		8.5B	58 54.143	-0.0005	08	-0 6 3.00	-0.019	05	0.35	54.166	15	03.2	1.91	12	93.0	K	GC	16433	0 2878
43		9.2A	59 8.902	-0.0011	11	-6 6 32.70	-0.019	11	0.24	8.921	16	33.4	32.38	16	33.4	F8	16	4450	A -7 3334
44		9.2A	59 21.367	0.0020	13	-6 0 14.02	-0.013	13	0.27	21.334	16	33.4	13.80	16	33.4	K0	17	4474	A -5 3403
45		9.0A	59 24.241	-0.0003	14	-1 57 34.34	-0.027	20	0.29	24.244	17	36.3	33.96	17	36.3	G5	21	3340	A -1 2610
46		9.3A	59 43.220	0.0011	12	-6 43 41.77	-0.025	12	0.25	43.202	16	33.4	41.35	16	33.4	G5 R	16	4451	A -6 3496
47		8.9A	59 45.272	-0.0029	13	-5 33 33.99	-0.005	13	0.27	45.321	16	33.4	33.90	16	33.4	G5	17	4475	A -5 3405
48		8.7A	59 50.261	-0.0036	12	-7 1 34.43	0.015	12	0.25	50.321	16	33.4	34.67	16	33.4	A5	16	4452	A -6 3497
49		7.8A	12 0 12.075	0.0001	13	-6 11 14.37	-0.027	13	0.27	12.073	16	33.4	13.91	16	33.4	F0	17	4476	A -5 3406
50		9.0A	0 17.165	-0.0054	14	-1 9 21.13	-0.004	20	0.29	17.239	17	36.3	21.07	17	36.3	F5	21	3343	A -0 2524
51		6.5T	12 0 17.922	-0.0027	06	-7 24 19.57	0.015	06	0.26	18.037	07	06.8	20.22	09	06.0	K5	GC	16458	-6 3499
52		8.7A	0 25.249	-0.0019	13	-4 59 14.50	0.028	13	0.27	25.281	16	33.4	14.97	16	33.4	F0	17	4477	A -4 3189
53		7.7A	0 39.617	-0.0049	11	-3 6 57.92	-0.081	11	0.24	39.699	16	33.4	56.57	16	33.4	K2	17	4478	A -2 3453
54		8.6A	0 41.653	-0.0008	14	-1 21 2.49	-0.030	20	0.29	41.666	17	36.3	2.07	17	36.3	K2	21	3344	A -0 2526
55		7.6B	0 58.087	-0.0029	07	-2 10 6.97	-0.007	04	0.33	58.227	12	02.0	6.56	12	94.3	F0	GC	16469K	B* -1 2613
56		7.2T	1 1.843	-0.0045	05	-5 12 3.88	-0.018	04	0.26	2.044	12	04.9	2.95	10	98.2	A0	GC	16470	-4 3192
57		9.2A	1 3.839	-0.0021	14	-0 35 4.77	0.007	20	0.29	3.868	17	36.3	4.86	17	36.3	G0	21	3346	A -0 2527
58		8.9A	1 19.302	-0.0011	13	-6 39 1.19	-0.000	13	0.27	19.321	16	33.4	1.18	16	33.4	K2 R	17	4480	A -6 3501
59		9.0A	1 25.175	0.0015	09	-4 29 4.10	-0.011	09	0.22	25.150	16	33.4	3.93	16	33.4	K5	17	4481	A -3 3229
60		8.9A	1 25.664	-0.0044	13	-3 50 16.70	-0.053	13	0.27	25.737	16	33.4	15.83	16	33.4	G5	17	4482	A -3 3230
61		8.6A	1 39.988	-0.0086	11	-9 24 25.48	0.024	11	0.24	40.148	16	33.4	25.87	16	33.4	K0	16	4459	A -8 3279
62		9.0A	1 41.594	-0.0044	14	-2 33 9.35	0.039	20	0.29	41.654	17	36.3	9.89	17	36.3	G5	21	3347	A -2 3454
63		8.9A	1 44.792	-0.0020	11	-9 4 48.29	-0.018	11	0.24	44.825	16	33.4	47.98	16	33.4	F0	16	4460	A -8 3280
64		9.0A	2 0.946	0.0049	14	-1 1 45.11	-0.065	20	0.29	0.879	17	36.3	44.21	17	36.3	G5	21	3348	A -0 2529
65		8.4A	2 10.270	0.0003	12	-7 41 53.56	-0.010	12	0.25	10.265	16	33.4	53.39	16	33.4	A0	16	4461	A -7 3339
66		8.7A	2 11.163	-0.0023	13	-5 29 41.55	0.024	13	0.27	11.200	16	33.4	41.95	16	33.4	K0	17	4484	A -4 3199
67		8.6A	2 12.762	-0.0031	14	-0 52 55.08	-0.000	20	0.29	12.805	17	36.3	55.08	17	36.3	F5	21	3350	A -0 2531
68		9.1A	2 13.279	-0.0010	14	-2 2 2.59	-0.012	20	0.29	13.292	17	36.3	2.42	17	36.3	F5 R	21	3351	A -1 2614
69		8.9A	2 18.032	-0.0005	13	-5 55 14.48	-0.005	13	0.27	18.041	16	33.4	14.39	16	33.4	G5 R	17	4485	A -5 3413
70		8.8A	2 25.746	-0.0017	12	-9 47 23.38	-0.004	12	0.25	25.775	16	33.4	23.30	16	33.4	F5 R	16	4462	A -9 3427
71		9.3A	2 27.107	-0.0025	13	-3 45 30.55	-0.002	13	0.27	27.149	16	33.4	30.52	16	33.4	K0	17	4486	A -3 3232
72		8.6A	2 27.302	0.0029	13	-8 14 55.36	-0.036	13	0.27	27.253	16	33.4	54.75	16	33.4	K2	16	4463	A -7 3340
73		9.3A	2 28.418	-0.0021	13	-4 2 53.26	0.010	13	0.27	28.452	16	33.4	53.43	16	33.4	K2 R	17	4487	A -3 3233
74		8.3A	2 32.056	-0.0028	12	-9 1 48.31	-0.015	12	0.25	32.103	16	33.4	48.05	16	33.4	F8	16	4464	A -8 3281
75		9.2A	2 40.227	-0.0020	12	-9 5 2.60	-0.006	12	0.25	40.261	16	33.4	2.49	16	33.4	A2 R	16	4465	A -8 3282
76		8.4B	2 40.432	-0.0346	08	-1 13 53.51	0.053	07	0.38	42.096	09	01.9	56.21	09	98.8	G5	GC	16513	B* -0 2532
77		9.1A	2 50.293	0.0084	12	-9 7 38.24	0.017	12	0.25	50.253	16	33.4	38.52	16	33.4	G0 R	16	4466	A -8 3283
78		9.0A	2 54.656	-0.0104	14	-0 41 55.84	-0.010	20	0.29	54.798	17	36.3	55.70	17	36.3	K0	21	3353	A -0 2534
79		6.8T	3 1.309	-0.0009	08	-3 34 3.77	-0.007	07	0.39	1.353	09	99.0	3.38	10	96.6	M0	GC	16520	-5 3416
80		8.9A	3 8.805	0.0001	13	-5 24 36.96	-0.002	13	0.27	8.805	16	33.4	36.93	16	33.4	K2	17	4489	A -4 3203
81		9.4A	3 10.001	0.0006	13	-3 52 36.81	0.005	13	0.27	9.991	16	33.4	36.90	16	33.4	K2 R	17	4490	A -3 3235
82		7.6T	3 15.082	-0.0013	11	-5 34 44.33	-0.067	12	0.39	15.147	15	98.7	40.96	15	99.9	K0	GC	16526	-5 3419
83		8.8A	3 17.212	-0.0007	13	-6 15 42.84	-0.023	13	0.27	17.223	16	33.4	42.45	16	33.4	K2	17	4492	A -5 3420
84		8.5A	3 20.977	-0.0031	12	-1 11 5.29	-0.014	20	0.29	21.019	17	36.3	5.09	17	36.3	F0	21	3354	A -1 2618
85		6.5T	3 26.060	-0.0023	04	-2 51 10.76	-0.022	04	0.22	26.183	06	97.1	9.51	06	94.6	K0	GC	16530	B* -2 3460
86		9.4A	3 30.868	0.0017	13	-3 59 50.37	0.002	13	0.27	30.840	16	33.4	50.41	16	33.4	G5 R	17	4494	A -3 3236
87		8.6A	4 9.601	-0.0025	11	-9 7 53.31	-0.040	11	0.24	9.643	16	33.4	52.64	16	33.4	F5	16	4467	A -8 3288
88		8.7A	4 17.623	0.0009	13	-6 25 19.91	-0.021	13	0.27	17.608	16	33.4	19.55	16	33.4	F5	17	4495	A -5 3422
89		9.0A	4 20.765	-0.0031	13	-3 20 20.53	-0.036	13	0.27	20.817	16	33.4	19.93	16	33.4	F8	17	4496	A -2 3463
90		8.7A	4 24.510	-0.0017	13	-4 47 15.16	-0.019	13	0.27	24.539	16	33.4	14.85	16	33.4	K0	17	4497	A -4 3207
91		7.8A	4 37.729	-0.0023	14	-0 21 6.18	-0.013	20	0.29	37.760	17	36.3	6.00	17	36.3	K0	21	3357	A 0 2694
92		7.8A	4 39.338	-0.0056	13	-5 48 21.81	0.038	13	0.27	39.431	16	33.4	22.44	16	33.4	K2	17	4498	A -5 3423
93		9.5A	4 39.735	-0.0039	13	-4 7 47.46	0.012	13	0.27	39.800	16	33.4	47.67	16	33.4	G0 F	17	4499	A -3 3238
94		7.0T	4 41.092	-0.0013	06	-6 29 14.88	0.015	05	0.33	41.158	10	98.0	15.71	10	94.0	M8	GC	16559V	B* -5 3424
95		9.0A	4 49.059	0.0033	11	-7 14 45.92	-0.058	11	0.24	49.005	16	33.4	44.95	16	33.4	G5	16	4472	A -6 3508
96		9.0A	5 4.329	-0.0018	13	-5 36 26.39	-0.001	13	0.27	4.359	16	33.4	26.37	16	33.4	K0	17	4501	A -5 3429
97		7.6T	5 13.602	-0.0083	11	-8 12 28.15	-0.036	10	0.53	13.991	15	03.3	26.42	15	02.3	F5	GC	16573	-7 3345
98		9.3A	5 14.877	0.0001	13	-6 11 59.79	0.008	13	0.27	14.875	16	33.4	59.92	16	33.4	K0 R	17	4502	A -5 3430
99		8.3A	5 15.136	0.0011	11	-2 51 6.91	-0.034	11	0.24	15.118	16	33.4	6.36	16	33.4	F8	17	4503	A -2 3466
00		8.8A	5 20.411	-0.0003	13	-4 42 30.65	0.003	13	0.27	20.417	16	33.4	30.71	16	33.4	K2	17	4504	A -4 3211

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NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	EPOCH 1950 μ s	EPOCH 1950 σ_μ ″.001	EPOCH 1950 δ_{1950} ° ′ ″	EPOCH 1950 μ' ″	EPOCH 1950 $\sigma_{\mu'}$ ″.001	EPOCH 1950 σ_{1950} ″	ORIGINAL EPOCH α_2 s	ORIGINAL EPOCH σ ″.01	ORIGINAL EPOCH ep.	ORIGINAL EPOCH δ_2 ″	ORIGINAL EPOCH σ' ″.01	ORIGINAL EPOCH ep.	SP.		SOURCE CAT.	SOURCE STAR NUMBER		DM NUMBER
1		8.9A	12 5 34.091	-0.0012	14	-0 7 13.10	-0.012	20	0.29	34.107	17	36.3	12.94	17	36.3	F5		21	3359	A	0 2897
2		7.2A	5 38.614	0.0008	13	-4 0 31.75	0.010	13	0.27	38.601	16	33.4	31.92	16	33.4	K0		17	4505	A	-3 3239
3		8.7A	5 45.355	-0.0034	14	-1 48 44.22	-0.011	20	0.29	45.402	17	36.3	44.06	17	36.3	F0		21	3360	A	-1 2622
4		8.6A	5 54.004	-0.0020	13	-4 3 34.57	0.008	13	0.27	54.037	16	33.4	34.72	16	33.4	K0		17	4506	A	-3 3240
5		9.0A	5 54.714	0.0007	13	-3 12 50.74	-0.025	13	0.27	54.704	16	33.4	50.32	16	33.4	F0		17	4507	A	-2 3469
6		9.0A	5 57.264	-0.0074	12	-9 43 17.46	0.036	12	0.25	57.387	16	33.4	18.05	16	33.4	F8		16	4474	A	-9 3439
7		9.2A	6 0.265	-0.0012	13	-5 28 42.38	-0.010	13	0.27	0.285	16	33.4	42.22	16	33.4	F8		17	4508	A	-4 3214
8		8.9A	6 1.277	-0.0008	12	-6 54 33.51	-0.042	12	0.25	1.290	16	33.4	32.80	16	33.4	K2		17	4509	A	-6 3509
9		9.2A	6 4.176	-0.0034	11	-3 33 52.09	-0.009	11	0.24	4.233	16	33.4	51.93	16	33.4	G0		17	4510	A	-5 3432
10		8.8A	6 20.451	-0.0050	11	-3 37 19.01	-0.036	11	0.24	20.535	16	33.4	18.42	16	33.4	G5		17	4511	A	-3 3242
11		9.2A	6 21.415	0.0122	12	-9 44 9.81	-0.147	12	0.25	21.212	16	33.4	7.36	16	33.4	G5		16	4476	A	-9 3440
12		8.5A	6 25.909	0.0022	11	-4 52 14.62	-0.039	11	0.24	25.872	16	33.4	13.98	16	33.4	K5		17	4512	A	-4 3216
13		7.6A	6 52.178	-0.0031	14	-0 28 47.83	-0.072	20	0.29	52.220	17	36.3	46.84	17	36.3	F2		21	3361	A	0 2902
14		9.0A	7 5.224	0.0006	12	-8 16 51.89	0.001	13	0.26	5.214	16	33.4	51.90	16	33.4	K2		16	4478	A	-7 3354
15		9.0A	7 5.286	-0.0026	14	-0 29 41.64	-0.082	20	0.29	5.321	17	36.3	40.52	17	36.3	G5		21	3362	A	0 2903
16		9.2A	7 12.422	-0.0009	12	-8 32 32.55	0.010	12	0.25	12.437	16	33.4	32.71	16	33.4	K0		16	4479	A	-8 3291
17		7.2T	7 13.875	-0.0041	12	-4 56 52.29	0.002	12	0.69	14.108	17	93.3	52.42	17	94.0	F2		GC	16611		-4 3219
18		8.6A	7 14.988	-0.0013	14	-0 43 38.19	-0.098	20	0.29	15.006	17	36.3	36.84	17	36.3	K2		21	3363	A	-0 2540
19		9.4A	7 32.171	0.0009	09	-3 53 2.80	-0.013	09	0.22	32.157	16	33.4	2.59	16	33.4	K2	R	17	4514	A	-3 3244
20		9.1A	7 34.609	0.0009	13	-6 0 59.26	-0.021	13	0.27	34.595	16	33.4	58.90	16	33.4	F8		17	4515	A	-5 3438
21		9.0A	7 41.225	0.0020	12	-6 46 28.94	-0.019	12	0.25	41.192	16	33.4	28.62	16	33.4	F8		16	4481	A	-6 3517
22		9.2A	7 45.884	0.0001	12	-8 31 2.14	-0.026	12	0.25	45.882	16	33.4	1.70	16	33.4	K0		16	4482	A	-7 3356
23		9.0A	7 50.629	0.0002	12	-9 14 58.51	0.011	12	0.25	50.625	16	33.4	58.68	16	33.4	K0		16	4483	A	-8 3293
24		9.0A	7 52.357	-0.0010	14	-2 4 37.72	-0.010	20	0.29	52.370	17	36.3	37.58	17	36.3	F0		21	3364	A	-1 2627
25		6.5T	7 53.112	-0.0009	07	-7 29 46.12	0.019	09	0.40	53.155	09	98.4	47.07	09	99.2	A0		GC	16621		-6 3518
26		8.5R	7 54.543	0.0008	08	-1 57 47.74	-0.044	05	0.40	54.508	19	03.8	45.03	18	89.0	F2		GC	16623		-1 2628
27		9.7A	8 1.432	-0.0035	11	-3 20 36.83	-0.003	11	0.24	1.490	16	33.4	36.77	16	33.4	F2	R	17	4516	A	-2 3473
28		8.2A	8 7.146	-0.0014	11	-9 7 25.57	-0.006	11	0.24	7.170	16	33.4	25.46	16	33.4	K0		16	4485	A	-8 3294
29		9.0A	8 7.254	-0.0027	13	-4 28 7.76	0.014	13	0.27	7.299	16	33.4	8.00	16	33.4	F8		17	4517	A	-3 3246
30		7.6A	8 14.177	-0.0027	11	-9 7 6.91	-0.056	11	0.24	14.221	16	33.4	5.97	16	33.4	K0		16	4486	A	-8 3295
31		9.0A	8 17.447	-0.0019	14	-0 9 59.52	-0.027	20	0.29	17.473	17	36.3	59.15	17	36.3	K0		21	3367	A	0 2906
32		8.8A	8 18.873	-0.0029	13	-2 51 46.03	0.007	13	0.27	18.920	16	33.4	46.16	16	33.4	F8		17	4518	A	-2 3474
33		8.2A	8 34.558	0.0017	13	-6 16 28.17	-0.032	13	0.27	34.529	16	33.4	27.63	16	33.4	F2		17	4519K	A	-5 3442
34		9.4A	8 38.389	-0.0090	13	-3 41 58.33	-0.007	13	0.27	38.538	16	33.4	58.22	16	33.4	F5		17	4520	A	-3 3247
35		8.4A	8 41.478	-0.0098	14	-1 44 10.40	-0.001	20	0.29	41.612	17	36.3	10.38	17	36.3	F5		21	3368	A	-1 2630
36		8.2T	8 44.739	-0.0180	13	-5 38 47.74	-0.112	14	0.63	45.555	14	04.6	42.68	14	04.9	G0		GC	16640		-5 3444
37		7.1T	8 48.091	0.0011	06	-2 25 12.16	-0.081	06	0.26	48.044	06	06.3	8.78	06	08.5	K0		GC	16642		-1 2632
38		6.9T	8 48.144	-0.0080	10	-3 29 59.54	-0.064	09	0.51	48.553	12	98.9	56.27	14	99.3	F5		GC	16643		-2 3478
39		9.1A	8 57.965	-0.0008	12	-9 21 31.54	0.025	12	0.25	57.978	16	33.4	31.95	16	33.4	G5		16	4490	A	-8 3296
40		9.3A	9 5.702	0.0011	12	-6 30 41.96	-0.013	12	0.25	5.684	16	33.4	41.74	16	33.4	K0		16	4492	A	-5 3447
41		9.4A	9 27.143	-0.0045	09	-6 36 32.58	0.018	09	0.22	27.218	16	33.4	32.87	16	33.4	K0		17	4524	A	-6 3522
42		9.0A	9 28.010	0.0005	14	-0 49 8.63	-0.091	20	0.29	28.004	17	36.3	7.38	17	36.3	K0		21	3371	A	-0 2542
43		9.0A	9 33.492	-0.0019	13	-3 22 2.85	-0.000	13	0.27	33.525	16	33.4	2.84	16	33.4	F5		17	4525	A	-2 3479
44		7.8A	9 40.226	0.0006	09	-4 7 25.51	-0.025	09	0.22	40.216	16	33.4	25.11	16	33.4	K2		17	4526	A	-3 3249
45		8.6A	9 40.737	0.0002	12	-6 43 22.91	0.001	12	0.25	40.734	16	33.4	22.92	16	33.4	K2		16	4495	A	-6 3524
46		9.1A	9 49.211	-0.0013	14	-0 53 33.18	-0.039	20	0.29	49.229	17	36.3	32.64	17	36.3	K0	R	21	3373	A	-0 2544
47		7.4T	9 56.962	-0.0404	08	-2 48 44.77	0.401	08	0.44	59.036	10	98.7	+ 5.72	10	97.8	G0		GC	16674	B*	-2 3481
48		7.4T	10 8.271	-0.0007	09	-2 11 38.34	-0.044	10	0.46	8.306	12	02.4	36.28	12	03.5	K5		GC	16680		-1 2635
49		8.5A	10 22.051	0.0008	13	-6 31 36.88	-0.012	13	0.27	22.037	16	33.4	36.67	16	33.4	K2		17	4528	A	-5 3451
50		8.9A	10 42.072	-0.0012	12	-7 26 15.96	0.002	12	0.25	42.093	16	33.4	15.99	16	33.4	G5		16	4497	A	-6 3528
51		9.3A	12 10 43.497	-0.0018	09	-3 6 13.16	0.000	09	0.22	43.528	16	33.4	13.17	16	33.4	G5	F	17	4529	A	-2 3484
52		8.3A	10 46.416	-0.0018	11	-8 48 5.74	0.009	11	0.24	46.447	16	33.4	5.88	16	33.4	K0		16	4498	A	-8 3301
53		8.5A	11 2.361	-0.0020	12	-8 1 40.96	-0.041	12	0.25	2.394	16	33.4	40.27	16	33.4	K2		16	4499	A	-7 3367
54		8.0A	11 2.662	-0.0067	14	-0 57 33.30	-0.052	20	0.29	2.754	17	36.3	32.58	17	36.3	F2		21	3376	A	-0 2549
55		7.0A	11 3.278	-0.0064	12	-9 14 5.09	-0.030	12	0.25	3.385	16	33.4	4.58	16	33.4	G5		16	4500	A	-8 3303
56		9.1A	11 14.355	-0.0049	11	-6 13 10.48	-0.016	11	0.24	14.437	16	33.4	10.21	16	33.4	F8		17	4530	A	-5 3453
57		8.9A	11 14.386	0.0005	12	-7 50 41.97	-0.031	12	0.25	14.378	16	33.4	41.45	16	33.4	K2		16	4501	A	-7 3368
58		8.5A	11 19.127	-0.0029	14	-0 21 41.08	-0.010	20	0.29	19.167	17	36.3	40.94	17	36.3	K2		21	3377	A	0 2911
59		9.0A	11 19.602	-0.0010	14	-0 6 57.15	-0.024	20	0.29	19.615	17	36.3	56.82	17	36.3	F5		21	3378	A	0 2910
60		8.8A	11 26.901	-0.0035	09	-9 51 25.53	-0.035	09	0.22	26.960	16	33.4	24.94	16	33.4	G5		16	4502	A	-9 3464
61		8.7A	11 27.607	-0.0033	12	-9 9 25.15	0.028	12	0.25	27.663	16	33.4	25.61	16	33.4	K5		16	4503	A	-8 3304
62		8.9A	11 36.059	-0.0025	14	-1 18 47.97	-0.040	20	0.29	36.093	17	36.3	47.42	17	36.3	G5		21	3380	A	-0 2551
63		9.0A	11 36.396	0.0056	14	-1 21 46.92	-0.139	20	0.29	36.319	17	36.3	45.02	17	36.3	G5		21	3379	A	-0 2550
64		6.5T	11 41.613	-0.0056	06	-5 26 24.64	0.114	05	0.26	41.875	06	03.6	30.10	07	02.1	A5		GC	16712K		-4 3235
65		8.9A	11 42.809	-0.0012	12	-8 17 59.45	0.037	12	0.25	42.829	16	33.4	+ 0.05	16	33.4	F8		16	4504	A	-7 3370
66		8.2I	12 2.572	-0.0002	11	-5 45 28.53	-0.000	09	0.46	2.579	15	06.7	28.52	15	03.2	M6E		GC	16717V	B*	-5 3456
67		8.0A	12 3.513	-0.0026	12	-8 42 43.03	-0.010	12	0.25	3.556	16	33.4	42.86	16	33.4	A5		16	4505	A	-8 3308
68		8.8A	12 4.635	-0.0044	11	-6 24 14.16	-0.007	11	0.24	4.708	16	33.4	14.04	16	33.4	F8		17	4533	A	-5 3457
69		8.8A	12 22.645	-0.0002	11	-8 20 39.37	-0.000	11	0.24	22.648	16	33.4	39.36	16	33.4	F0		16	4508	A	-7 3373
70		7.8A	12 26.313	-0.0029	14	-1 2 55.85	-0.025	20	0.29	26.353	17	36.3	55.50	17	36.3	K0		21	3382	A	-0 2554
71		8.7A	12 26.450	0.0009	14	-0 22 58.63	-0.044	20	0.29	26.438	17	36.3	58.02	17	36.3	K0		21	3381	A	0 2914
72		9.1A	12 28.277	-0.0020	14	-2 12 35.03	-0.049	20	0.29	28.303	17	36.3	34.36	17	36.3	G0		21	3383	A	-1 2637
73		8.3R	12 32.704	-0.0153	08	-6 58 43.00	-0.075	09	0.40	33.397	10	04.8	39.56	10	04.3			GC	16729K	B*	-6 3532
74		6.0R	12 33.202	-0.0160	06	-6 58 43.50	-0.060	04	0.28	33.973	09	01.7	40.25	10	96.2	G5		GC	16730K	B*	-6 3532
75		9.0A	12 39.838	-0.0030	12	-8 11 21.35	0.005	12	0.25	39.888	16	33.4	21.42	16	33.4	F2		16	4512	A	-7 3374
76		8.8A	12 47.885	0.0013	13	-4 8 50.30	-0.009	13	0.27	47.864	16	33.4	50.16	16	33.4	A0		17	4534	A	-3 3255
77		8.5A	12 59.399	-0.0018	09	-5 39 26.31	0.006	09	0.22	59.429	16	33.4	26.40	16	33.4	F2		17	4535	A	-5 3459
78		7.9A	13 5.140	-0.0075	12	-9 59 46.00	-0.062	12	0.25	5.264	16	33.4	44.96	16	33.4	K0		16	4513	A	-9 3470
79		8.6A	13 7.908	-0.0018	12	-8 17 54.97	0.022	12	0.25	7.936	16	33.4	55.33	16	33.4	K2		16	4514	A	-7 3376
80		8.0A	13 18.436	0.0010	13	-5 52 53.84	-0.063	13	0.27	18.419	16	33.4	52.79	16	33.4	G5		17	4536	A	-5 3463
81		8.7A	13 21.532	-0.0066	11	-8 56 3.14	-0.006	11	0.24	21.643	16	33.4	3.03	16	33.4	K0		16	4516	A	-8 3311
82		9.0A	13 32.425	0.0007	09	-4 53 47.67	-0.018	09	0.22	32.413	16	33.4	47.38	16	33.4	F5		17	4537	A	-4 3239
83		8.8R	13 35.228	-0.0066	09	-2 44 14.80	-0.126	09	0.46	33.545	15	02.1	8.40	15	99.4	G5		GC	16748		-2 3487
84		8.2A	13 42.179	-0.0019	11	-4 10 25.63	-0.035	11	0.24	42.211	16	33.4	25.06	16	33.4	K0		17	4539	A	-3 3257
85		7.8A	13 42.643	0.0009	13	-2 57 25.13	-0.088	13	0.27	42.628	16	33.4	23.66	16	33.4	F2		17	4540	A	-2 3488
86		9.2A	13 45.558	-0.0015	13	-3 27 23.49	-0.017	13	0.27	45.583	16	33.4	23.20	16	33.4	F2		17	4541	A	-2 3489
87		7.6A	13 47.375	-0.0007	12	-7 15 14.31	0.009	12	0.25	47.387	16	33.4	14.45	16	33.4	K0		16	4519	A	-6 3538
88		8.1A	13 48.179	0.0013	09	-5 34 3.88	-0.010	09	0.22	48.157	16	33.4	3.72	16	33.4	K2		17	4542	A	-5 3465
89		8.5A	14 2.494	-0.0001	12	-9 46 31.87	-0.000	12	0.25	2.496	16	33.4	31.86	16	33.4	K2		16	4521	A	-9 3473
90		9.0A	14 6.249	-0.0016	11	-8 50 55.68	0.025	11	0.24	6.275	16	33.4	56.09	16	33.4	K5		16	4522	A	-8 3312
91		8.0A	14 10.128	-0.0019	12	-2 27 41.84	-0.008	12	0.25	10.160	16	33.4	41.70	16	33.4	K0		17	4543	A	-1 2639
92		9.0A	14 28.027	0.0019	12	-7 2 10.90	-0.040	12	0.25	27.996	16	33.4	10.23	16	33.4	G5		16	4523	A	-6 3541
93		8.7A	14 51.397	-0.0026	13	-3 1 25.37	-0.012	13	0.27	51.441	16	33.4	25.18	16	33.4	F2		17	4544	A	-2 3492
94		9.0A	14 57.544	0.0000	14	-1 46 47.84	-0.031	20	0.29	57.543	17	36.3	47.41	17	36.3	K5		21	3389	A	-1 2641
95		8.8A	15 1.917	-0.0011	12	-8 6 43.35	0.019	12	0.25	1.936	16	33.4	43.66	16	33.4	F2		16	4524	A	-7 3384
96		7.7A	15 5.481	-0.0029	12	-9 25 32.85	0.008	12	0.25	5.530	16	33.4	32.97	16	33.4	K2		16	4525	A	-8 3315
97		9.1A	15 8.449	-0.0008	11	-6 1 16.80	0.016	11	0.24	8.459	16	33.4	17.06	16	33.4	K0		17	4545	A	-5 3467
98		8.7A	15 8.529	0.0015	12	-7 17 35.15	-0.006	12	0.25	8.504	16	33.4	35.04	16	33.4	K2		16	4526	A	-6 3543
99		9.4A	15 9.393	-0.0028	12	-7 54 17.65	-0.006	12	0.25	9.440	16	33.4	17.54	16	33.4	F2		16	4527	A	-7 3385
00		9.0A	15 15.928	0.0022	12	-9 47 44.13	-0.018	12	0.25	15.891	16	33.4	43.82	16	33.4	K0		16	4528	A	-9 3474

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NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	EPOCH 1950 μ_α s	EPOCH 1950 σ_μ .001	EPOCH 1950 δ_{1950} ° ′ ″	EPOCH 1950 μ_δ ″	EPOCH 1950 σ'_μ .001	EPOCH 1950 σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ .01	ep.	δ_2 ″	σ' .01	ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	DM NUMBER
1		8.2A	12 15 19.400	-0.0082	13	-6 9 10.57	-0.048	13	0.27	19.503	16	33.4	9.77	16	33.4	F8	17	4546	A -5 3468
2		8.4A	15 29.233	-0.0071	14	-1 32 46.76	-0.002	20	0.29	29.329	17	36.3	46.73	17	36.3	K0	21	3391	A -1 2845
3		7.0T	15 35.113	-0.0014	05	-3 40 36.82	0.011	05	0.30	35.188	09	97.0	37.47	10	93.6	F0	GC	16781K	B* -3 3262
4		6.8T	15 35.510	-0.0011	04	-3 40 16.99	0.019	03	0.21	35.564	07	01.6	18.04	07	96.2	F0	GC	16782K	B* -3 3263
5		8.4A	15 49.768	0.0022	13	-4 45 7.08	-0.134	13	0.27	49.732	16	33.4	4.85	16	33.4	F5	17	4549	A -4 3247
6		7.4T	15 57.716	-0.0015	06	-8 37 32.40	-0.077	06	0.38	57.801	14	91.9	27.84	12	91.1	G0	GC	16787	-8 3316
7		9.0A	15 59.606	-0.0004	11	-3 47 26.75	-0.013	11	0.24	59.645	16	33.4	26.55	16	33.4	A5	17	4550	A -3 3264
8		8.3A	16 0.444	-0.0007	13	-2 44 40.80	-0.017	13	0.27	0.457	16	33.4	40.53	16	33.4	K2	17	4551	A -2 3494
9		9.0A	16 4.273	-0.0002	13	-6 22 20.76	0.009	13	0.27	4.276	16	33.4	20.90	16	33.4	MC R	17	4552	A -3 3471
10		5.9T	16 6.363	0.0017	02	-0 30 33.74	-0.020	02	0.11	6.280	05	01.2	32.70	05	98.8	A3	GC	16790	B* 0 2920
11		8.9A	16 9.655	0.0030	13	-6 23 57.63	-0.047	13	0.27	9.606	16	33.4	56.84	16	33.4	G5	17	4553	A -5 3472
12		8.9A	16 25.755	-0.0039	11	-9 5 29.68	-0.013	11	0.24	25.820	16	33.4	29.46	16	33.4	F8	16	4532	A -8 3321
13		9.0A	16 33.644	-0.0017	14	-1 45 46.50	-0.027	20	0.29	33.667	17	36.3	46.12	17	36.3	K2	21	3394	A -1 2846
14		8.3A	16 39.601	-0.0044	13	-3 2 30.22	-0.058	13	0.27	39.675	16	33.4	29.25	16	33.4	G5	17	4554	A -2 3497
15		9.1A	16 39.895	0.0023	14	-0 19 13.55	-0.095	20	0.29	39.864	17	36.3	12.78	17	36.3	K0	21	3395	A 0 2924
16		7.0H	16 45.613	0.0000	02	-8 38 12.56	-0.027	02	0.06	45.613	03	19.7	11.67	04	17.6	K0	F4	1315	-8 3323
17		9.0A	16 50.542	-0.0036	14	-1 57 12.88	0.029	20	0.29	50.591	17	36.3	13.27	17	36.3	G5	21	3396	A -1 2848
18		8.8A	16 50.803	-0.0016	13	-5 28 27.30	-0.042	13	0.27	50.830	16	33.4	26.60	16	33.4	K0	17	4555	A -4 3250
19		9.0A	16 53.604	0.0017	11	-9 54 47.60	-0.005	11	0.24	53.577	16	33.4	47.51	16	33.4	K2	16	4534	A -9 3480
20		8.8A	17 3.849	-0.0033	13	-5 34 24.09	-0.024	13	0.27	3.304	16	33.4	23.68	16	33.4	F0	17	4556	A -5 3475
21		4.0H	17 20.761	-0.0043	01	-0 23 20.65	-0.022	01	0.04	20.944	02	07.8	19.70	02	07.0	A0	F4	460	0 2926
22		8.5A	17 29.715	-0.0052	12	-7 50 53.65	0.007	12	0.25	29.802	16	33.4	53.76	16	33.4	F5	16	4535	A -7 3348
23		8.3A	17 33.103	0.0011	11	-6 47 59.82	-0.007	11	0.24	33.085	16	33.4	59.69	16	33.4	K2	16	4536	A -6 3547
24		7.3A	17 42.693	0.0005	09	-4 13 58.08	-0.012	09	0.22	42.685	16	33.4	57.89	16	33.4	K0	17	4557	A -3 3267
25		9.0A	17 46.864	-0.0014	12	-8 43 21.01	0.006	12	0.25	46.887	16	33.4	21.10	16	33.4	MC	16	4538	A -8 3329
26		8.7A	17 49.757	-0.0003	13	-6 16 46.54	0.008	13	0.27	49.763	16	33.4	46.67	16	33.4	A0	17	4558	A -5 3476
27		8.8A	17 51.854	-0.0055	12	-7 20 11.77	0.012	12	0.25	51.945	16	33.4	11.96	16	33.4	F5	16	4539	A -6 3548
28		8.0A	18 5.509	-0.0064	11	-3 43 0.44	-0.081	11	0.24	5.616	16	33.4	59.10	16	33.4	F5	17	4559	A -3 3268
29		8.8A	18 33.915	-0.0019	12	-8 42 41.45	0.041	12	0.25	33.947	16	33.4	42.12	16	33.4	G5	16	4541	A -8 3331
30		7.9A	18 38.789	-0.0027	12	-9 16 19.16	0.002	12	0.25	38.835	16	33.4	19.18	16	33.4	K0	16	4543	A -8 3332
31		7.9A	18 59.925	-0.0077	12	-9 7 20.08	-0.034	12	0.25	+ 0.055	16	33.4	19.51	16	33.4	G5	16	4544	A -8 3333
32		9.0A	19 4.675	0.0010	13	-5 6 9.74	-0.018	13	0.27	4.660	16	33.4	9.44	16	33.4	K2	17	4560	A -4 3258
33		9.0A	19 8.819	0.0000	12	-7 38 23.35	-0.016	12	0.25	8.819	16	33.4	23.08	16	33.4	F2	16	4545	A -7 3395
34		9.0A	19 9.465	-0.0047	13	-5 53 21.33	0.031	13	0.27	9.543	16	33.4	21.85	16	33.4	G0	17	4561	A -5 3483
35		7.7A	19 16.898	-0.0006	11	-4 6 31.25	-0.040	11	0.24	16.908	16	33.4	30.60	16	33.4	K5	17	4562	A -3 3271
36		8.7A	19 29.615	0.0009	12	-8 16 49.41	0.012	12	0.25	29.600	16	33.4	49.60	16	33.4	K5	16	4546	A -7 3398
37		9.3A	19 37.379	-0.0047	12	-8 36 3.34	-0.013	12	0.25	37.457	16	33.4	3.12	16	33.4	G0	16	4547	A -8 3334
38		9.0A	19 39.407	-0.0033	14	-1 10 57.10	-0.099	20	0.29	39.451	17	36.3	56.56	17	36.3	G5	21	3401	A -0 2564
39		8.8A	19 41.972	0.0013	12	-6 47 21.24	0.015	12	0.25	41.951	16	33.4	21.48	16	33.4	K5	16	4548	A -6 3555
40		9.0A	19 46.988	-0.0080	13	-2 29 55.87	-0.005	13	0.27	47.137	16	33.4	55.78	16	33.4	F8	17	4563	A -1 2857
41		9.1A	19 55.108	0.0012	09	-4 25 26.70	-0.009	09	0.22	55.088	16	33.4	26.56	16	33.4	G5	17	4564	A -3 3273
42		8.9A	20 6.906	-0.0025	13	-5 1 55.05	-0.018	13	0.27	6.945	16	33.4	54.75	16	33.4	F0	17	4565	A -4 3261
43		9.0A	20 13.669	-0.0022	12	-9 29 4.36	0.012	12	0.25	13.706	16	33.4	4.55	16	33.4	K0	16	4551	A -8 3336
44		8.5A	20 21.880	0.0012	13	-5 30 11.20	0.012	13	0.27	21.880	16	33.4	11.40	16	33.4	A2	17	4566	A -4 3265
45		9.0A	20 27.098	-0.0013	13	-5 18 32.29	-0.019	13	0.27	27.119	16	33.4	31.98	16	33.4	F8	17	4567	A -4 3266
46		9.0A	20 30.916	-0.0017	14	-0 39 32.94	-0.010	20	0.29	30.939	17	36.3	32.80	17	36.3	F8	21	3404	A -0 2566
47		7.1T	20 35.085	-0.0017	07	-7 1 19.17	0.001	06	0.33	35.168	09	00.1	19.20	09	97.5	K0	GC	16883	-6 3557
48		9.0A	20 36.359	-0.0045	13	-4 38 4.02	-0.014	13	0.27	36.435	16	33.4	3.80	16	33.4	F8	17	4568	A -4 3267
49		9.3A	20 36.784	-0.0010	13	-3 53 40.83	0.004	13	0.27	36.801	16	33.4	40.91	16	33.4	F0	17	4569	A -3 3275
50		6.7T	20 40.920	0.0011	07	-4 41 49.42	-0.038	06	0.32	40.866	07	00.0	47.47	09	98.3	K0	GC	16885	-4 3268
51		7.8A	12 20 41.654	-0.0035	12	-9 29 35.67	-0.070	12	0.25	41.713	16	33.4	34.50	16	33.4	K0	16	4553	A -8 3338
52		9.0A	20 48.946	0.0022	13	-6 32 37.49	-0.049	13	0.27	48.909	16	33.4	36.67	16	33.4	G0	17	4571	A -6 3558
53		9.0A	20 50.227	0.0072	11	-6 46 28.30	-0.084	11	0.24	50.107	16	33.4	26.90	16	33.4	A2	16	4555	A -6 3559
54		7.2A	20 53.236	-0.0029	13	-5 50 33.39	0.035	13	0.27	53.285	16	33.4	33.96	16	33.4	F8	17	4572	A -5 3487
55		8.9A	21 1.798	-0.0038	13	-3 24 2.72	0.034	13	0.27	1.861	16	33.4	3.28	16	33.4	K0	17	4573	A -2 3510
56		8.8A	21 20.543	-0.0002	12	-8 5 28.97	-0.013	12	0.25	20.547	16	33.4	28.75	16	33.4	K2	16	4556	A -7 3401
57		9.4A	21 35.436	-0.0025	13	-5 42 28.51	0.001	13	0.27	35.478	16	33.4	28.52	16	33.4	K0 R	17	4574	A -5 3488
58		9.0A	21 36.461	-0.0017	14	-0 58 0.46	-0.023	20	0.29	36.484	17	36.3	0.14	17	36.3	A0	21	3405	A -0 2568
59		9.4A	21 56.949	-0.0043	13	-3 13 18.29	0.024	13	0.27	57.021	16	33.4	18.70	16	33.4	G5	17	4575	A -2 3512
60		8.5A	22 10.696	-0.0038	13	-5 22 16.62	-0.018	13	0.27	10.759	16	33.4	16.32	16	33.4	F8	17	4576	A -4 3273
61		9.0A	22 23.533	0.0001	14	-2 3 39.69	-0.008	20	0.29	23.531	17	36.3	39.58	17	36.3	A2	21	3407	A -1 2662
62		8.3B	22 25.139	-0.0107	09	-3 56 45.13	-0.218	09	0.44	25.653	12	02.0	34.47	14	01.0	G5	GC	16925	B* -3 3280
63		9.4A	22 30.086	-0.0003	09	-3 45 56.97	0.000	09	0.22	30.091	16	33.4	56.98	16	33.4	G8 F	17	4578	A -3 3281
64		9.1A	22 34.781	-0.0015	14	-1 53 25.83	-0.002	20	0.29	34.781	17	36.3	25.80	17	36.3	K2 R	21	3409	A -1 2663
65		9.3A	22 35.385	0.0012	11	-7 16 42.69	-0.013	11	0.24	35.366	16	33.4	42.46	16	33.4	G5	16	4558	A -6 3564
66		9.1A	22 42.431	-0.0017	13	-4 53 40.59	0.025	13	0.27	42.459	16	33.4	41.01	16	33.4	K2	17	4579	A -4 3274
67		9.5A	22 42.571	-0.0015	12	-4 13 47.22	-0.088	12	0.25	42.595	16	33.4	46.80	16	33.4	G5 F	17	4580	A -3 3283
68		8.9A	22 44.267	-0.0038	14	-0 47 35.33	-0.018	20	0.29	44.319	17	36.3	35.08	17	36.3	G0	21	3410	A -0 2570
69		9.0A	22 47.086	-0.0025	13	-4 56 3.68	0.016	13	0.27	47.130	16	33.4	3.95	16	33.4	K0	17	4581	A -4 3275
70		9.3A	22 52.398	0.0011	11	-5 56 24.96	-0.001	11	0.24	52.379	16	33.4	24.94	16	33.4	K2 R	17	4582	A -5 3492
71		9.0A	22 56.140	0.0015	14	-1 51 58.24	-0.028	20	0.29	56.119	17	36.3	57.85	17	36.3	F2	21	3411	A -1 2664
72		8.3A	23 0.539	-0.0002	12	-9 45 40.45	-0.016	12	0.25	0.543	16	33.4	40.14	16	33.4	K5	16	4559	A -9 3492
73		8.9A	23 1.709	0.0003	11	-7 20 11.67	-0.020	11	0.24	1.704	16	33.4	11.33	16	33.4	K0	16	4560	A -6 3565
74		8.2A	23 7.091	-0.0053	14	-0 0 20.70	0.023	20	0.29	7.163	17	36.3	21.01	17	36.3	G5	21	3412	A 0 2942
75		9.0A	23 7.914	-0.0016	13	-2 49 57.26	0.017	13	0.27	7.941	16	33.4	57.55	16	33.4	K2	17	4583	A -2 3517
76		8.0A	23 15.588	-0.0016	09	-4 35 5.08	-0.036	09	0.22	15.625	16	33.4	4.45	16	33.4	F8	17	4584	A -4 3276
77		8.0A	23 33.980	0.0021	09	-4 12 14.77	-0.008	09	0.22	33.986	16	33.4	14.68	16	33.4	F5	17	4585K	A -3 3269
78		8.3A	23 44.380	0.0017	12	-7 3 12.18	0.010	12	0.25	44.332	16	33.4	12.32	16	33.4	F8	16	4562	A -6 3570
79		8.8A	23 53.881	-0.0015	13	-5 45 50.21	-0.017	13	0.27	53.886	16	33.4	49.92	16	33.4	K5 R	17	4586	A -5 3497
80		9.2A	24 1.828	-0.0008	12	-9 21 32.51	-0.002	12	0.25	1.839	16	33.4	32.47	16	33.4	F8	16	4563	A -8 3346
81		7.8A	24 13.197	0.0001	09	-5 18 55.37	-0.025	09	0.22	13.196	16	33.4	54.96	16	33.4	F2	17	4587K	A -4 3281
82		9.0A	24 14.732	0.0003	12	-7 28 53.62	0.021	12	0.25	14.615	16	33.4	53.96	16	33.4	G5	16	4564	A -6 3571
83		9.0A	24 15.598	0.0010	12	-9 21 35.37	0.020	12	0.25	15.580	16	33.4	35.69	16	33.4	K0	16	4565	A -8 3347
84		8.9A	24 16.216	-0.0020	12	-8 21 24.41	-0.019	12	0.25	16.249	16	33.4	24.09	16	33.4	F8	16	4566	A -7 3406
85		8.5A	24 23.834	-0.0031	13	-5 47 7.15	0.001	13	0.27	23.887	16	33.4	7.16	16	33.4	K2	17	4588	A -5 3500
86		7.8A	24 24.245	-0.0047	09	-8 33 11.07	0.021	09	0.22	24.323	16	33.4	11.41	16	33.4	F2	16	4568	A -8 3348
87		9.4A	24 28.104	-0.0036	13	-6 11 11.98	0.078	13	0.27	28.167	16	33.4	13.28	16	33.4	K2 R	17	4590	A -5 3501
88		8.0A	24 28.179	0.0091	09	-3 15 25.36	-0.096	09	0.22	28.028	16	33.4	23.72	16	33.4	G5	17	4589K	A -2 3519
89		8.9A	24 34.231	-0.0005	13	-6 15 4.18	-0.016	13	0.27	34.239	16	33.4	3.88	16	33.4	F5	17	4591	A -5 3503
90		8.3A	24 36.153	-0.0007	13	-3 0 39.17	-0.030	13	0.27	36.165	16	33.4	38.66	16	33.4	K2	17	4592	A -2 3520
91		9.2A	24 45.642	-0.0002	13	-2 57 41.64	-0.010	13	0.27	45.646	16	33.4	41.48	16	33.4	K2	17	4593	A -2 3523
92		9.5A	24 57.619	-0.0016	13	-4 7 25.47	-0.013	13	0.27	57.646	16	33.4	25.26	16	33.4	F5 F	17	4594	A -3 3296
93		9.0A	24 58.469	-0.0078	13	-2 30 47.67	-0.005	13	0.27	58.796	16	33.4	47.60	16	33.4	G5	17	4595	A -1 2669
94		9.1A	25 2.435	-0.0011	13	-3 1 58.31	-0.027	13	0.27	2.653	16	33.4	57.87	16	33.4	K5	17	4596	A -2 3524
95		9.0A	25 6.893	-0.0020	11	-7 18 17.60	-0.033	11	0.24	6.929	16	33.4	17.04	16	33.4	K0	16	4569	A -6 3574
96		7.9B	25 12.589	-0.0046	07	-2 6 23.07	-0.185	06	0.35	12.832	10	97.6	14.22	10	96.5	G5	GC	16984	-1 2670
97		8.4A	25 15.916	0.0008	12	-9 53 25.93	-0.003	12	0.25	15.905	16	33.4	25.87	16	33.4	A2	16	4570	A* -9 3502
98		8.0T	25 17.486	-0.0080	03	-4 20 19.98	-0.006	03	0.16	17.785	05	00.2	19.67	05	98.5	F2	GC	16989	B* -3 3298
99		6.7T	25 21.309	-0.0153	05	-8 24 3.90	-0.048	05	0.26	22.099	07	01.1	1.53	07	00.9	G0	GC	16991	-7 3409
100		9.1A	25 21.986	-0.0021	13	-4 24 4.05	0.003	13	0.27	22.020	16	33.4	4.11	16	33.4	F0	17	4598	A -3 3299

138800

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	EPOCH 1950 μ s	EPOCH 1950 σ_μ ″.001	EPOCH 1950 δ_{1950} ° ′ ″	EPOCH 1950 μ' ″	EPOCH 1950 σ'_μ ″.001	EPOCH 1950 σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	DM NUMBER
1		8.1A	12 25 25.114	0.0007	12	-7 17 28.64	-0.004	12	0.25	25.103	16	33.4	28.56	16	33.4	F5	16	4572	A -6 3577
2		8.9A	25 26.155	-0.0020	13	-8 38 47.11	0.008	13	0.27	29.188	16	33.4	47.24	16	33.4	K0	17	4599	A -6 3578
3		9.2A	25 31.693	-0.0015	14	-0 49 16.54	0.001	20	0.29	31.713	17	36.4	16.55	17	36.4	F8 R	21	3419	A -0 2579
4		8.9A	25 50.319	-0.0011	14	-0 55 18.81	-0.076	20	0.29	50.333	17	36.4	17.77	17	36.4	F5	21	3420	A -0 2580
5		8.8A	25 51.822	-0.0026	11	-2 28 59.44	-0.001	11	0.24	51.865	16	33.4	59.42	16	33.4	MA	17	4600	A -1 2671
6		9.0A	25 57.798	-0.0032	13	-5 19 38.06	0.024	13	0.27	57.852	16	33.4	38.46	16	33.4	K0 F	17	4601	A -4 3288
7		9.2A	26 3.276	0.0001	12	-8 0 20.24	-0.073	12	0.25	3.275	16	33.4	19.02	16	33.4	F8 R	16	4574	A -7 3411
8		9.7A	26 8.729	-0.0012	12	-9 17 26.35	-0.021	12	0.25	8.750	16	33.4	25.99	16	33.4	G0 R	16	4575	A -8 3355
9		8.3A	26 10.176	0.0001	13	-4 0 49.70	-0.040	13	0.27	10.174	16	33.4	49.04	16	33.4	F0	17	4602	A -3 3302
10		9.1A	26 16.389	-0.0000	12	-9 23 29.18	0.030	12	0.25	16.390	16	33.4	29.67	16	33.4	K0	16	4576	A -8 3356
11		7.8A	26 17.054	-0.0003	13	-6 15 13.76	0.033	13	0.27	17.059	16	33.4	14.30	16	33.4	K2	17	4603	A -5 3506
12		8.8A	26 35.483	-0.0004	11	-3 49 58.68	-0.040	11	0.24	35.490	16	33.4	58.02	16	33.4	M8	17	4604	A -3 3304
13		7.6Q	26 35.664	-0.0016	05	-2 9 11.10	-0.005	05	0.25	35.737	07	04.6	10.84	09	02.1	M0	GC	17014	B* -1 2674
14		8.8A	26 48.995	0.0009	14	-0 57 24.49	-0.017	20	0.29	48.983	17	36.4	24.25	17	36.4	K5	21	3423	A -0 2583
15		8.7Q	27 9.598	-0.0225	17	-3 2 57.13	-0.582	17	0.73	10.534	17	08.4	32.67	17	08.0	G5	GC	17025	B* -2 3528
16		7.1T	27 27.642	-0.0077	10	-5 44 46.70	-0.073	10	0.48	28.011	09	01.8	43.16	10	01.6	F2	GC	17035	-5 3513
17		8.6A	27 30.520	-0.0067	12	-6 42 55.81	-0.067	12	0.25	30.632	16	33.4	54.69	16	33.4	F8	16	4578	A -6 3583
18		9.0A	27 34.481	-0.0058	13	-6 36 29.12	-0.022	13	0.27	34.578	16	33.4	28.74	16	33.4	G0	17	4607K	A -6 3584
19		9.5A	27 38.032	0.0014	11	-4 33 33.52	-0.003	11	0.24	38.009	16	33.4	33.48	16	33.4	F5 F	17	4606	A -4 3292
20		8.6A	27 45.457	0.0016	14	-1 39 57.96	-0.036	20	0.29	45.435	17	36.4	57.46	17	36.4	A0	21	3424	A -1 2677
21		8.7A	27 49.099	-0.0034	13	-5 45 13.82	-0.019	13	0.27	49.156	16	33.4	13.50	16	33.4	K5	17	4609	A -5 3516
22		8.0A	28 3.349	-0.0002	11	-9 32 54.00	0.002	11	0.24	3.352	16	33.4	54.02	16	33.4	K0	16	4580	A -9 3508
23		9.0A	28 12.161	-0.0072	13	-4 10 9.03	-0.030	13	0.27	12.281	16	33.4	8.54	16	33.4	F8	17	4610	A -3 3308
24		7.1T	28 16.140	-0.0043	05	-3 47 5.42	-0.001	04	0.20	16.336	07	10.0	5.40	07	08.9	K0	GC	17050	B* -3 3309
25		8.6A	28 28.565	0.0004	12	-9 30 40.96	0.011	12	0.25	28.558	16	33.4	41.13	16	33.4	A0	16	4582	A -8 3363
26		9.0A	28 33.716	0.0022	13	-5 2 42.33	-0.028	13	0.27	33.680	16	33.4	41.87	16	33.4	G5	17	4612K	A -4 3294
27		8.8A	28 35.122	-0.0006	12	-9 12 38.56	-0.007	12	0.25	35.132	16	33.4	38.44	16	33.4	K2	16	4583	A -8 3364
28		9.1A	28 35.878	0.0001	14	-1 47 27.30	-0.024	20	0.29	35.876	17	36.4	26.97	17	36.4	G0	21	3425	A -1 2683
29		9.0A	28 42.100	-0.0026	12	-7 23 19.83	-0.029	12	0.25	42.144	16	33.4	19.34	16	33.4	G0	16	4584	A -6 3587
30		7.3T	28 50.121	-0.0004	12	-8 54 20.25	-0.039	10	0.55	50.138	18	03.1	18.34	17	01.4	K0	GC	17064	-8 3366
31		8.8A	28 52.043	-0.0002	12	-7 52 56.20	-0.034	12	0.25	52.046	16	33.4	55.63	16	33.4	K2	16	4586	A -7 3420
32		6.3T	29 4.282	-0.0026	04	-4 46 37.29	0.026	04	0.21	4.422	06	00.2	38.64	06	98.6	K0	GC	17071	B* -4 3296
33		8.6A	29 7.363	-0.0021	13	-3 26 13.79	-0.012	13	0.27	7.398	16	33.4	13.60	16	33.4	F5	17	4614	A -2 3531
34		8.4A	29 22.572	0.0011	09	-5 30 47.77	-0.002	09	0.22	22.554	16	33.4	47.73	16	33.4	K2	17	4615	A -4 3297
35		8.7A	29 26.395	0.0002	12	-8 20 8.74	-0.026	12	0.25	26.391	16	33.4	8.30	16	33.4	G0	16	4587	A -7 3423
36		7.7A	29 30.544	-0.0009	14	-1 29 49.16	0.037	20	0.29	30.556	17	36.4	49.66	17	36.4	G0	21	3426	A -0 2587
37		8.5A	29 38.965	-0.0102	09	-3 52 50.02	-0.013	09	0.22	39.135	16	33.4	49.81	16	33.4	G0	17	4616	A -3 3310
38		9.1A	29 55.996	-0.0035	11	-5 49 20.16	-0.002	11	0.24	56.054	16	33.4	20.12	16	33.4	F8	17	4617	A -5 3521
39		9.0A	30 28.515	-0.0001	13	-5 23 9.80	-0.005	13	0.27	28.516	16	33.4	9.73	16	33.4	F0	17	4618	A -4 3299
40		8.6A	30 28.719	0.0001	14	-2 0 53.30	-0.044	20	0.29	28.717	17	36.4	52.70	17	36.4	F0	21	3428	A -1 2688
41		8.9A	30 37.231	-0.0028	09	-6 59 28.65	-0.073	09	0.22	37.277	16	33.4	27.44	16	33.4	F8	16	4588	A -6 3589
42		9.4A	30 43.734	0.0006	09	-4 3 1.88	-0.005	09	0.22	43.724	16	33.4	1.80	16	33.4	F2 F	17	4619	A -3 3312
43		8.8A	30 50.111	-0.0111	11	-9 53 40.59	0.049	11	0.24	50.295	16	33.4	41.41	16	33.4	G5	16	4589	A -9 3513
44		9.0A	30 55.295	-0.0020	11	-6 16 57.80	0.003	11	0.24	55.328	16	33.4	57.85	16	33.4	K5 R	17	4620	A -5 3525
45		5.4T	31 11.720	-0.0057	02	-9 10 35.01	0.001	02	0.15	12.041	06	93.2	35.07	06	91.6	A0	GC	17122	B* -8 3372
46		8.5A	31 14.006	-0.0020	11	-4 58 0.71	-0.028	11	0.24	14.040	16	33.4	0.25	16	33.4	F5	17	4621	A -4 3301
47		7.8A	31 20.836	-0.0069	13	-6 30 10.31	0.040	13	0.27	20.984	16	33.4	10.98	16	33.4	F8	17	4622	A -5 3526
48		8.8A	31 27.724	-0.0007	13	-5 31 22.65	-0.040	13	0.27	27.735	16	33.4	21.99	16	33.4	K2	17	4623	A -4 3303
49		8.7A	31 32.857	-0.0016	12	-8 34 26.35	0.009	12	0.25	32.885	16	33.4	26.50	16	33.4	F8	16	4592	A -8 3373
50		8.0A	31 36.363	-0.0035	11	-4 10 14.66	-0.037	11	0.24	36.421	16	33.4	14.05	16	33.4	F2	17	4624	A -3 3313
51		9.0A	12 31 37.606	-0.0007	14	-1 34 18.67	-0.006	20	0.29	37.615	17	36.4	18.59	17	36.4	F8	21	3429	A -1 2691
52		8.0A	31 38.843	0.0001	09	-3 26 41.21	-0.044	09	0.22	38.840	16	33.4	40.48	16	33.4	G5	17	4625	A -2 3533
53		7.1T	31 49.313	-0.0020	05	-1 7 56.36	0.005	04	0.28	49.420	07	96.4	56.69	09	90.7	K2	GC	17136	-0 2590
54		8.9A	31 49.323	0.0021	12	-9 19 31.35	0.004	12	0.25	49.289	16	33.4	31.42	16	33.4	F0	16	4594	A -8 3374
55		9.1A	31 58.123	-0.0016	12	-8 39 21.11	-0.021	12	0.25	58.151	16	33.4	20.76	16	33.4	F8	16	4595	A -8 3375
56		9.0A	32 6.578	0.0044	11	-7 46 52.98	-0.025	11	0.24	6.506	16	33.4	52.57	16	33.4	F8	16	4596	A -7 3435
57		8.1A	32 18.855	-0.0022	09	-4 52 45.21	0.001	09	0.22	18.892	16	33.4	45.23	16	33.4	A5	17	4626	A -4 3307
58		9.1A	32 27.200	-0.0050	09	-6 24 33.79	-0.088	09	0.22	27.284	16	33.4	32.33	16	33.4	K0	17	4627	A -5 3530
59		8.7A	32 46.643	-0.0073	11	-3 47 25.61	-0.026	11	0.24	46.765	16	33.4	26.05	16	33.4	F5	17	4628	A -3 3315
60		9.2A	32 51.517	-0.0010	12	-9 9 32.15	-0.003	12	0.25	51.553	16	33.4	32.10	16	33.4	A0	16	4599	A -8 3378
61		8.0A	32 53.321	-0.0023	09	-3 16 14.47	-0.010	09	0.22	53.358	16	33.4	14.31	16	33.4	K5	17	4629	A -2 3540
62		8.7A	33 3.722	-0.0008	12	-8 21 19.95	-0.033	12	0.25	3.735	16	33.4	19.40	16	33.4	K2	16	4600	A -7 3439
63		9.1A	33 5.087	-0.0037	09	-2 44 17.44	0.016	09	0.22	5.149	16	33.4	17.71	16	33.4	K2 F	17	4630	A -2 3541
64		8.3A	33 9.024	-0.0058	11	-2 44 28.13	0.007	11	0.24	9.120	16	33.4	28.25	16	33.4	F5	17	4631	A -2 3542
65		7.9A	33 10.012	-0.0024	12	-7 10 18.44	0.018	12	0.25	10.052	16	33.4	18.74	16	33.4	F0	16	4601	A -6 3598
66		8.9A	33 14.071	-0.0027	14	-2 4 0.57	0.035	20	0.29	14.107	17	36.4	1.05	17	36.4	K0	21	3431	A -1 2698
67		8.8A	33 17.300	-0.0042	12	-8 46 49.82	0.049	12	0.25	17.370	16	33.4	50.63	16	33.4	F8	16	4602	A -8 3380
68		8.6A	33 22.057	0.0009	14	-1 8 21.30	-0.029	20	0.29	22.045	17	36.4	20.90	17	36.4	K2	21	3432	A -0 2592
69		8.7A	33 48.971	-0.0004	14	-0 1 6.45	0.009	20	0.29	48.976	17	36.4	6.57	17	36.4	K0	21	3433	A 0 2958
70		8.3A	33 59.133	0.0002	13	-5 47 26.41	-0.003	13	0.27	59.130	16	33.4	26.36	16	33.4	A3	17	4632	A -5 3534
71		8.9A	34 3.634	0.0027	14	-0 20 7.02	-0.027	20	0.29	3.597	17	36.4	6.64	17	36.4	G5	21	3434	A 0 2959
72		9.0A	34 4.615	-0.0024	09	-5 8 51.04	-0.000	09	0.22	4.655	16	33.4	51.04	16	33.4	F8	17	4633	A -4 3312
73		5.9H	34 12.656	-0.0022	01	-5 33 23.59	-0.022	01	0.05	12.738	02	13.4	22.78	03	12.6	A0	F4	1324	-5 3535
74		9.0A	34 12.841	-0.0011	13	-5 48 58.13	-0.011	13	0.27	12.859	16	33.4	57.95	16	33.4	F5	17	4635	A -5 3536
75		8.9A	34 21.098	0.0007	14	-0 13 10.63	-0.023	20	0.29	21.088	17	36.4	10.31	17	36.4	K5	21	3435	A 0 2961
76		7.0T	34 32.130	0.0100	08	-2 2 41.96	-0.144	08	0.41	31.637	09	00.7	34.88	09	00.7	F5	GC	17185	-1 2699
77		8.8A	34 34.692	-0.0017	09	-4 22 30.88	0.117	09	0.22	34.720	16	33.4	32.83	16	33.4	K2	17	4636	A -3 3322
78		6.9T	34 46.043	-0.0030	09	-8 1 29.48	-0.010	09	0.55	46.214	15	93.8	28.94	15	94.6	A0	GC	17192	-7 3443
79		8.6A	34 55.576	0.0017	12	-9 23 1.17	-0.035	12	0.25	55.547	16	33.4	0.59	16	33.4	K2	16	4605	A -8 3387
80		8.8Q	34 57.640	-0.0081	08	-3 17 50.12	-0.142	08	0.43	58.074	10	96.5	42.30	10	94.8	G5	GC	17195	-2 3546
81		9.0A	35 34.429	0.0008	12	-6 46 48.73	0.005	12	0.25	34.416	16	33.4	48.81	16	33.4	K5	16	4606	A -6 3612
82		9.0A	35 42.577	-0.0016	11	-3 41 39.96	-0.004	11	0.24	42.604	16	33.4	39.90	16	33.4	K2	17	4638	A -3 3325
83		9.2A	35 44.633	-0.0049	13	-5 5 0.92	-0.041	13	0.27	44.716	16	33.4	0.23	16	33.4	K0	17	4639	A -4 3317
84		8.6Q	36 8.477	0.0215	08	-5 3 6.31	-0.129	05	0.39	7.451	17	02.4	-58.80	15	92.0	K0	GC	17217K	B* -4 3319
85		6.9T	36 8.918	-0.0033	04	-4 5 55.90	-0.010	03	0.20	9.081	07	00.5	55.37	07	95.4	K5	GC	17218	B* -3 3329
86		10.1Q	36 12.449	0.0003	12	-4 6 14.16	-0.062	11	0.56	12.437	21	09.5	11.28	19	03.3	K0	GC	17220	-3 3330
87		8.5A	36 13.303	-0.0000	13	-3 2 3.73	-0.008	13	0.27	13.303	16	33.4	3.60	16	33.4	A3	17	4642	A -2 3549
88		9.0A	36 14.408	0.0010	11	-8 29 56.14	-0.002	11	0.24	14.392	16	33.4	56.11	16	33.4	F5	16	4607	A -7 3448
89		7.2T	36 22.697	-0.0056	10	-0 34 47.64	-0.025	08	0.47	22.969	12	01.6	46.30	12	97.6	A0	GC	17222	-0 2595
90		8.8A	36 29.229	-0.0009	12	-7 38 34.29	-0.004	12	0.25	29.244	16	33.4	34.22	16	33.4	K2	16	4608	A -7 3451
91		9.0A	36 39.349	0.0050	13	-5 16 15.48	-0.168	13	0.27	39.267	16	33.4	12.68	16	33.4	K0	17	4643	A -4 3321
92		4.8H	36 39.749	-0.0053	01	-7 43 14.48	-0.031	01	0.04	39.913	02	18.8	13.42	02	15.9	K0	F4	475	-7 3452
93		9.1Q	36 47.781	-0.0018	07	-7 45 21.82	-0.025	05	0.35	47.878	15	97.3	20.39	14	92.2	F0	GC	17230	-7 3454
94		9.1A	36 50.916	-0.0099	13	-3 54 58.18	-0.092	13	0.27	51.081	16	33.4	59.71	16	33.4	G0	17	4644	A -3 3333
95		8.7A	36 50.952	-0.0017	14	-0 1 17.77	0.008	20	0.29	50.975	17	36.4	17.68	17	36.4	K0	21	3440	A 0 2966
96		8.6A	36 55.316	-0.0004	11	-6 39 15.92	-0.014	11	0.24	55.323	16	33.4	15.69	16	33.4	F2	17	4645	A -6 3617
97		6.9T	36 55.809	0.0014	07	-5 49 33.84	-0.014	06	0.36	55.735	09	99.2	33.11	09	97.1	K2	GC	17232	-5 3542
98		7.8A	37 19.383	-0.0031	13	-2 47 30.82	-0.037	13	0.27	19.434	16	33.4	30.21	16	33.4	K0	17	4647	A -2 3552
99		9.0A	37 22.793	0.0011	13	-2 37 34.46	0.014	13	0.27	22.775	16	33.4	34.70	16	33.4	F5	17	4648	A -2 3553
00		8.9A	37 26.345	-0.0011	14	-0 15 19.04	-0.008	20	0.29	26.360	17	36.4	18.93	17	36.4	A2	21	3442	A 0 2967

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NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	SOURCE CAT.	STAR NUMBER	DM NUMBER
1		8.8A	12 37 30.979	0.0013	12	-6 47 12.32	-0.024	12	0.25	30.957	16	33.4	11.92	16	33.4	K2	16	4613	A -6 3620
2		8.5A	37 33.811	-0.0026	11	-5 42 34.29	-0.015	11	0.24	33.851	16	33.4	34.04	16	33.4	K5	17	4649	A -5 3543
3		9.1A	37 42.630	0.0010	13	-6 4 28.44	-0.016	13	0.27	42.613	16	33.4	28.18	16	33.4	K2	17	4650	A -5 3545
4		9.0A	37 57.278	-0.0018	13	-2 31 30.34	-0.029	13	0.27	57.308	16	33.4	29.86	16	33.4	F8	17	4651	A -1 2705
5		7.3T	38 5.508	-0.0031	09	-8 10 20.08	-0.163	09	0.45	5.653	12	33.0	12.33	12	02.4	F8	GC	17247	-7 3458
6		9.3A	38 16.324	-0.0001	11	-9 29 48.89	0.020	11	0.24	16.326	16	33.4	49.22	16	33.4	K0 R	16	4615	A -8 3399
7		9.1A	38 22.154	0.0014	11	-6 34 28.82	-0.022	11	0.24	22.131	16	33.4	28.46	16	33.4	G0	16	4616	A -6 3622
8		9.1A	38 25.008	0.0011	12	-8 28 54.59	0.018	12	0.25	24.990	16	33.4	54.89	16	33.4	A3	16	4617	A -7 3462
9		9.2A	38 26.522	-0.0032	09	-4 28 55.77	-0.001	09	0.22	26.575	16	33.4	55.76	16	33.4	K0	17	4652	A -3 3336
10		9.1A	38 29.756	0.0016	14	-0 20 45.69	-0.057	20	0.29	29.734	17	36.4	44.92	17	36.4	K5	21	3444	A 0 2969
11		8.0A	38 33.361	-0.0009	12	-8 58 16.78	0.014	12	0.25	33.376	16	33.4	17.01	16	33.4	MA	16	4618	A -8 3401
12		8.6A	38 33.906	-0.0002	12	-9 32 54.95	-0.005	12	0.25	33.909	16	33.4	54.87	16	33.4	K2	16	4619	A -9 3534
13		8.6A	38 42.461	-0.0018	11	-8 30 7.44	0.017	11	0.24	42.492	16	33.4	7.72	16	33.4	A0	16	4620	A -7 3463
14		9.4G	38 46.962	0.0085	13	-7 6 40.34	-0.100	14	0.64	46.613	17	05.9	36.52	18	05.7	G5	GC	17264	-6 3624
15		8.5A	38 51.330	0.0031	09	-3 43 10.69	-0.041	09	0.22	51.278	16	33.4	10.01	16	33.4	G0	17	4653	A -3 3337
16		9.2A	39 0.607	-0.0011	11	-9 31 1.43	0.014	11	0.24	0.626	16	33.4	1.67	16	33.4	G5 R	16	4622	A -8 3403
17		2.9M	39 7.452	-0.0379	01	-1 10 31.58	0.008	01	0.09	9.665	03	91.6	32.14	04	81.6	F0 J	F3	4770 *	
18		8.9A	39 9.065	-0.0036	14	-1 14 46.63	-0.015	20	0.29	9.114	17	36.4	46.43	17	36.4	F5	21	3445	A -0 2600
19		8.3A	39 12.792	0.0001	13	-6 8 24.03	-0.024	13	0.27	12.790	16	33.4	23.63	16	33.4	K2	17	4654	A -5 3550
20		7.2T	39 22.327	0.0006	03	-7 13 32.04	-0.046	03	0.21	22.296	09	93.5	29.20	09	87.9	K5	GC	17277	B* -6 3626
21		8.1A	39 24.832	-0.0027	13	-4 56 47.79	-0.043	13	0.27	24.878	16	33.4	47.08	16	33.4	G5	17	4656	A -4 3331
22		9.1A	39 40.233	-0.0012	11	-5 19 48.44	-0.027	11	0.24	40.253	16	33.4	47.99	16	33.4	K3 R	17	4657	A -4 3333
23		8.2A	39 43.621	0.0016	14	-0 2 3.66	0.014	20	0.29	43.799	17	36.4	3.84	17	36.4	F5	21	3449	A 0 2972
24		8.0A	40 1.170	-0.0037	09	-5 11 36.41	-0.051	09	0.22	1.231	16	33.4	35.55	16	33.4	F2	17	4658	A -4 3335
25		9.0A	40 18.897	-0.0020	12	-9 12 23.71	0.024	12	0.25	18.930	16	33.4	24.11	16	33.4	K0	16	4624	A -8 3409
26		9.2A	40 21.556	-0.0097	09	-4 41 19.58	-0.010	09	0.22	21.718	16	33.4	19.42	16	33.4	G5	17	4659	A -4 3339
27		8.9G	40 22.572	-0.0135	10	-1 58 41.34	0.042	06	0.40	23.191	14	04.2	43.52	14	98.7	K0	GC	17295	-1 2716
28		7.8T	40 25.444	-0.0153	10	-3 46 23.05	-0.190	11	0.50	26.163	07	03.0	14.11	10	02.9	G0	GC	17297	-3 3341
29		8.8A	40 29.631	-0.0037	12	-8 20 9.55	-0.021	12	0.25	29.693	16	33.4	9.20	16	33.4	F8	16	4625	A -7 3467
30		9.0A	40 32.212	-0.0015	14	-0 15 52.76	-0.004	20	0.29	32.232	17	36.4	52.70	17	36.4	G0	21	3451	A 0 2975
31		9.0A	40 38.509	0.0029	09	-2 41 22.76	-0.102	09	0.22	38.461	16	33.4	21.07	16	33.4	G5	17	4661	A -2 3563
32		8.8A	40 49.344	-0.0038	11	-2 36 3.56	-0.006	11	0.24	49.407	16	33.4	3.46	16	33.4	F0	17	4663	A -2 3564
33		6.1T	41 3.829	0.0031	04	-1 18 8.34	-0.080	04	0.22	3.670	09	98.6	3.83	09	93.9	G0	GC	17309	B* -0 2603
34		8.6A	41 8.378	0.0005	14	-1 9 52.64	-0.044	20	0.29	8.371	17	36.4	52.03	17	36.4	MA	21	3456	A -0 2604
35		7.6A	41 12.913	-0.0039	12	-9 29 41.39	-0.025	12	0.25	12.978	16	33.4	40.98	16	33.4	F0	16	4626	A -8 3413
36		9.3A	41 14.186	-0.0010	11	-9 46 37.09	0.015	11	0.24	14.183	16	33.4	37.34	16	33.4	F2 R	16	4627	A -9 3542
37		9.0A	41 15.393	-0.0017	09	-4 8 12.70	-0.023	09	0.22	15.422	16	33.4	12.32	16	33.4	K2	17	4664	A -3 3342
38		8.8A	41 21.481	-0.0014	14	-1 41 55.05	-0.025	20	0.29	21.500	17	36.4	54.71	17	36.4	G0	21	3457	A -1 2720
39		9.0A	41 26.734	0.0005	09	-6 59 47.62	-0.007	09	0.22	26.726	16	33.4	47.51	16	33.4	G5	16	4628	A -6 3636
40		8.8A	41 31.164	-0.0038	12	-7 59 56.73	-0.012	12	0.25	31.228	16	33.4	56.53	16	33.4	F8	16	4629	A -7 3474
41		8.6A	41 35.331	-0.0070	11	-4 42 10.71	-0.001	11	0.24	35.448	16	33.4	10.70	16	33.4	K0	17	4665	A -4 3344
42		6.6T	41 37.065	-0.0050	04	-2 34 7.94	-0.011	04	0.18	37.277	05	07.6	7.49	06	07.6	A2	GC	17319	-2 3567
43		8.9A	41 38.822	-0.0012	11	-7 35 6.78	0.009	11	0.24	38.842	16	33.4	6.93	16	33.4	K0	16	4630	A -7 3476
44		8.8A	41 51.217	-0.0014	14	-1 12 58.30	-0.025	20	0.29	51.236	17	36.4	57.95	17	36.4	K5	21	3459	A -0 2606
45		8.6A	41 51.937	0.0005	12	-9 48 28.05	-0.009	12	0.25	51.928	16	33.4	27.90	16	33.4	K5	16	4631	A -9 3547
46		8.9A	42 6.018	-0.0019	11	-2 26 3.80	-0.005	11	0.24	6.049	16	33.4	3.72	16	33.4	K2	17	4667	A -1 2721
47		8.8A	42 8.963	-0.0139	11	-5 53 54.17	-0.087	11	0.24	9.194	16	33.4	52.73	16	33.4	K0	17	4668	A -5 3561
48		7.3A	42 24.058	0.0019	12	-8 15 31.20	-0.012	12	0.25	24.027	16	33.4	31.00	16	33.4	K0	16	4632	A -7 3478
49		8.8A	42 26.999	0.0021	09	-4 59 55.61	-0.054	09	0.22	26.965	16	33.4	54.72	16	33.4	G5	17	4669	A -4 3348
50		8.9A	42 32.951	-0.0051	13	-6 40 48.63	0.033	13	0.27	33.037	16	33.4	49.18	16	33.4	G0	17	4670	A -6 3638
51		8.2A	12 42 42.621	-0.0033	11	-3 36 38.21	0.016	11	0.24	42.677	16	33.4	38.48	16	33.4		17	4671	A -3 3348
52		6.8T	42 42.865	-0.0023	07	-3 36 54.02	0.005	06	0.34	42.991	12	95.4	54.33	12	90.2	A3	GC	17341K	-3 3349
53		8.7A	42 51.304	0.0046	13	-4 51 11.46	-0.033	13	0.27	51.228	16	33.4	10.92	16	33.4	K2	17	4673	A -4 3350
54		8.7A	42 52.958	-0.0076	09	-8 24 35.34	0.019	09	0.22	53.084	16	33.4	35.66	16	33.4	F8	16	4634	A -7 3480
55		7.3A	42 57.264	-0.0013	09	-4 32 16.05	0.010	09	0.22	57.286	16	33.4	16.22	16	33.4	K2	17	4674	A -4 3351
56		9.0A	42 57.786	-0.0013	14	-1 3 10.25	-0.024	20	0.29	57.803	17	36.4	9.93	17	36.4	K0	21	3462	A -0 2607
57		9.0A	43 20.224	-0.0014	13	-2 45 33.59	-0.069	13	0.27	20.247	16	33.4	32.45	16	33.4	K0	17	4675	A -2 3573
58		8.1G	43 24.259	0.0205	12	-9 2 14.04	-0.220	11	0.56	23.316	17	04.1	3.53	15	02.2	G5	GC	17351	-8 3423
59		9.5A	43 34.225	0.0007	09	-4 37 48.13	-0.014	09	0.22	34.214	16	33.4	47.90	16	33.4	F8 R	17	4676	A -4 3353
60		9.0A	43 56.943	-0.0013	11	-3 44 45.36	-0.023	11	0.24	56.966	16	33.4	44.98	16	33.4	F5	17	4677	A -3 3356
61		8.1T	43 58.550	-0.0014	08	-0 32 54.66	0.002	07	0.41	58.616	17	03.3	54.74	17	99.9	K0	GC	17359	-0 2608
62		8.5T	44 6.248	-0.0021	09	-0 23 22.63	-0.011	07	0.43	6.343	18	04.8	22.09	18	01.7	K2	GC	17362	0 2981
63		7.9G	44 23.655	-0.0054	08	-7 31 34.46	-0.047	06	0.36	23.917	09	01.8	32.11	09	99.9	G5	GC	17364	-6 3644
64		7.7A	44 30.536	-0.0009	11	-8 56 29.18	-0.014	11	0.24	30.551	16	33.4	28.95	16	33.4	K2	16	4637	A -8 3424
65		9.0A	44 55.101	-0.0004	12	-9 58 37.24	-0.008	12	0.25	55.107	16	33.4	37.11	16	33.4	K2	16	4638	A -9 3558
66		8.8A	44 56.945	-0.0029	13	-5 37 4.93	-0.006	13	0.27	56.994	16	33.4	4.83	16	33.4	K2	17	4678	A -5 3568
67		6.3T	44 58.178	-0.0002	04	-6 1 42.43	-0.049	03	0.19	58.186	06	98.4	39.86	06	97.2	F8	GC	17375	B* -5 3569
68		8.0A	44 59.381	-0.0026	11	-4 24 30.39	-0.027	11	0.24	59.424	16	33.4	29.94	16	33.4	K2	17	4680	A -3 3360
69		8.9A	45 21.900	0.0006	14	-0 44 16.06	-0.002	20	0.29	21.892	17	36.4	16.02	17	36.4	A5	21	3465	A -0 2610
70		8.6A	45 24.191	0.0002	12	-8 53 40.93	-0.003	12	0.25	24.187	16	33.4	40.88	16	33.4	F0	16	4639	A -8 3425
71		8.6A	45 25.561	0.0014	12	-8 52 18.14	-0.002	12	0.25	25.538	16	33.4	18.11	16	33.4	F0	16	4640	A -8 3426
72		8.9A	45 27.858	-0.0019	12	-9 46 1.55	0.006	12	0.25	27.889	16	33.4	1.65	16	33.4	K5	16	4641	A -9 3561
73		8.3A	45 32.874	-0.0081	14	-0 5 11.83	-0.013	20	0.29	32.956	17	36.4	11.65	17	36.4	F8	21	3468	A 0 2983
74		8.8A	45 35.989	-0.0002	13	-5 40 57.55	-0.010	13	0.27	35.988	16	33.4	57.39	16	33.4	G5	17	4681	A -5 3571
75		8.9A	45 53.338	-0.0082	11	-7 46 17.56	-0.080	11	0.24	53.492	16	33.4	16.23	16	33.4	G5	16	4642	A -7 3488
76		8.9A	45 59.725	0.0017	12	-9 29 38.94	0.001	12	0.25	59.696	16	33.4	38.96	16	33.4	K5	16	4643	A -8 3427
77		8.8A	46 23.812	-0.0028	14	-1 13 54.13	-0.025	20	0.29	23.850	17	36.4	53.78	17	36.4	F5	21	3467	A -0 2813
78		7.3A	46 24.667	0.0013	12	-8 56 50.62	-0.032	12	0.25	24.646	16	33.4	50.09	16	33.4	K0	16	4644	A -8 3429
79		8.9A	46 34.089	-0.0008	09	-5 10 19.08	-0.049	09	0.22	34.103	16	33.4	18.26	16	33.4	K2	17	4682	A -4 3359
80		8.7A	46 35.649	-0.0021	13	-3 25 37.79	-0.021	13	0.27	35.683	16	33.4	37.44	16	33.4	F0	17	4683	A -2 3580
81		8.9A	46 39.764	0.0001	11	-5 33 1.25	0.041	11	0.24	39.763	16	33.4	1.93	16	33.4	G5	17	4684	A -5 3577
82		8.8A	47 1.581	-0.0019	13	-4 51 28.17	-0.011	13	0.27	1.613	16	33.4	27.99	16	33.4	A5	17	4685	A -4 3360
83		9.0A	47 3.345	0.0011	11	-5 48 21.94	-0.066	11	0.24	3.326	16	33.4	20.85	16	33.4	G5	17	4686	A -5 3578
84		7.5A	47 7.339	-0.0017	12	-8 36 28.95	-0.030	12	0.25	7.367	16	33.4	28.45	16	33.4	A0	17	4687	A -6 3656
85		8.3A	47 28.025	0.0038	11	-6 55 24.19	-0.140	11	0.24	25.982	16	33.4	21.87	16	33.4	G5	16	4646	A -6 3658
86		6.9T	47 30.331	-0.0163	04	-7 21 37.15	0.007	04	0.20	31.078	07	04.3	37.49	07	02.9	F5	GC	17423	-6 3659
87		8.9A	47 49.777	-0.0021	14	-1 33 10.78	-0.013	20	0.29	49.806	17	36.4	10.61	17	36.4	K5	21	3468	A -1 2731
88		9.0A	47 54.958	-0.0014	12	-7 9 0.53	-0.004	12	0.25	54.992	16	33.4	0.47	16	33.4	F2	16	4648	A -6 3661
89		8.9A	48 5.751	-0.0001	13	-6 11 18.42	-0.007	13	0.27	5.753	16	33.4	18.31	16	33.4	F0	17	4688	A -5 3581
90		8.6A	48 6.887	-0.0088	11	-7 21 50.08	-0.036	11	0.24	6.931	16	33.4	49.49	16	33.4	K0	16	4650	A -6 3662
91		8.5A	48 9.459	-0.0031	09	-3 26 6.86	-0.004	09	0.22	9.510	16	33.4	6.80	16	33.4	F8	17	4689	A -2 3587
92		8.7T	48 9.698	-0.0029	09	-0 29 28.28	-0.395	10	0.51	9.841	15	00.7	8.95	17	01.1	MOP	GC	17435	B* 0 2989
93		9.3A	48 12.440	0.0014	11	-4 46 30.78	0.002	11	0.24	12.418	16	33.4	30.82	16	33.4	G0 R	17	4690	A -4 3365
94		8.5A	48 19.998	-0.0002	13	-5 47 19.52	-0.025	13	0.27	20.002	16	33.4	19.11	16	33.4	K2	17	4691	A -5 3582
95		9.2A	48 23.387	-0.0024	12	-8 47 17.47	-0.011	12	0.25	23.426	16	33.4	17.29	16	33.4	F5	16	4651	A -6 3663
96		9.1A	48 24.485	-0.0055	14	-1 18 47.10	-0.032	20	0.29	24.560	17	36.4	46.67	17	36.4	G0	21	3470	A* -0 2619
97		9.0A	48 35.600	-0.0014	14	-1 28 35.04	-0.008	20	0.29	35.619	17	36.4	34.92	17	36.4	K5	21	3471	A -0 2620
98		8.8A	48 38.963	0.0000	13	-6 40 22.82	0.008	13	0.27	38.963	16	33.4	22.95	16	33.4	K0	17	4692	A -6 3665
99		9.2A	48 39.499	0.0028	12	-8 55 50.95	-0.083	12	0.25	39.453	16	33.4	49.91	16	33.4	G5	16	4652	A -8 3436
00		9.1A	48 41.582	-0.0003	12	-4 24 39.75	-0.007	12	0.25	41.587	16	33.4	35.64	16	33.4	K0 F	17	4693	A -3 3367

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NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	EPOCH 1950 μ s	EPOCH 1950 σ_μ ″.001	EPOCH 1950 δ_{1950} ° ′ ″	EPOCH 1950 μ' ″	EPOCH 1950 $\sigma_{\mu'}$ ″.001	EPOCH 1950 σ_{1950} ″	ORIGINAL EPOCH α_2 s	ORIGINAL EPOCH σ ″.01	ORIGINAL EPOCH ep.	ORIGINAL EPOCH δ_2 ″	ORIGINAL EPOCH σ' ″.01	ORIGINAL EPOCH ep.	SP.		SOURCE CAT.	SOURCE STAR NUMBER	DM	DM NUMBER
1		9.0A	12 48 43.844	-0.0001	09	-2 37 41.60	0.021	09	0.22	43.846	16	33.4	41.95	16	33.4	K5	F	17	4684	A	-2 3589
2		9.0A	48 58.788	-0.0022	11	-6 4 12.42	-0.003	11	0.24	58.825	16	33.4	12.37	16	33.4	F5		17	4695	A	-5 3584
3		9.0A	49 4.148	-0.0030	12	-7 12 26.60	-0.021	12	0.25	4.198	16	33.4	26.25	16	33.4	F8		18	4656	A	-6 3669
4		8.8A	49 5.041	0.0006	08	-5 51 41.06	-0.001	08	0.46	5.009	15	00.7	41.02	15	93.8	K0		GC	17450K	A	-5 3585
5		8.8A	49 28.114	0.0003	12	-8 15 7.56	-0.027	12	0.25	28.110	16	33.4	7.11	16	33.4	A5		16	4657	A	-7 3497
6		9.0A	49 30.171	-0.0027	13	-3 7 27.43	-0.026	13	0.27	30.216	16	33.4	27.00	16	33.4	F8		17	4697	A	-2 3591
7		9.0A	49 32.369	-0.0018	12	-9 25 10.36	-0.028	12	0.25	32.397	16	33.4	9.90	16	33.4	K		16	4658	A	-6 3440
8		9.0A	49 36.757	0.0030	14	-0 6 16.74	-0.074	20	0.29	36.716	17	36.4	15.73	17	36.4	G5		21	3475	A	0 2995
9		8.3G	49 37.342	-0.0018	11	-5 49 6.03	-0.055	10	0.50	37.422	09	04.2	3.48	10	03.4	A2		GC	17463		-5 3588
10		7.8A	49 38.215	-0.0010	14	-0 39 26.75	-0.020	20	0.29	38.226	17	36.4	26.47	17	36.4	K5		21	3476	A	-0 2822
11		8.5A	49 45.198	-0.0015	13	-5 6 36.65	0.002	13	0.27	45.223	16	33.4	36.69	16	33.4	K2		17	4699	A	-4 3368
12		8.8A	49 46.368	-0.0059	13	-3 25 31.79	-0.025	13	0.27	46.465	16	33.4	31.38	16	33.4	K0		17	4700	A	-2 3592
13		8.8A	49 51.128	-0.0050	11	-4 47 0.16	-0.041	11	0.24	51.211	16	33.4	-59.48	16	33.4	K2		17	4701	A	-4 3369
14		8.6A	50 9.468	-0.0003	12	-8 26 14.11	-0.012	12	0.25	9.473	16	33.4	13.91	16	33.4	K2		16	4659	A	-7 3501
15		9.0A	50 20.057	-0.0103	14	-0 58 48.42	-0.024	20	0.29	20.197	17	36.4	48.09	17	36.4	G0		21	3478	A	-0 2825
16		8.8A	50 22.203	0.0005	12	-6 51 15.14	0.004	12	0.25	22.196	16	33.4	15.21	16	33.4	G5		16	4661	A	-6 3674
17		9.0A	50 23.270	0.0007	14	-0 38 28.36	-0.037	20	0.29	23.260	17	36.4	27.85	17	36.4	G5		21	3479	A	-0 2826
18		9.1A	50 24.218	0.0025	13	-3 51 28.96	-0.023	13	0.27	24.176	16	33.4	28.58	16	33.4	K0		17	4702	A	-3 3371
19		9.1A	50 28.259	-0.0020	12	-8 57 22.88	-0.006	12	0.25	28.293	16	33.4	22.78	16	33.4	F5		16	4662	A	-8 3443
20		9.1A	50 30.592	-0.0029	13	-5 45 2.42	-0.054	15	0.28	30.641	16	33.4	1.55	16	33.4	K0	R	17	4703	A	-5 3590
21		8.6A	50 37.244	-0.0035	12	-9 54 42.41	0.011	12	0.25	37.303	16	33.4	42.59	16	33.4	K0		16	4663	A	-9 3575
22		6.1T	50 37.368	-0.0174	02	-5 16 34.20	-0.006	02	0.12	38.294	05	97.9	33.88	05	94.1	F5		GC	17487	B*	-2 3393
23		8.8A	50 51.356	0.0017	09	-4 43 55.44	-0.026	09	0.22	51.328	16	33.4	55.01	16	33.4	G5		17	4705	A	-3 3373
24		8.8A	50 54.186	0.0001	14	-0 29 32.64	-0.041	20	0.29	54.164	17	36.4	32.08	17	36.4	K2		21	3481	A	0 2996
25		7.8T	51 0.768	0.0005	08	-8 47 33.88	-0.058	06	0.40	0.740	15	99.1	30.69	15	94.9	K2		GC	17495		-8 3445
26		8.2A	51 0.949	0.0006	12	-7 34 4.67	0.000	12	0.25	0.939	16	33.4	4.67	16	33.4	A0		16	4666	A	-7 3503
27		6.5T	51 3.222	-0.0002	09	-3 57 8.13	-0.046	10	0.51	3.233	14	96.0	5.74	14	97.7	K0		GC	17497		-3 3373
28		8.9A	51 5.453	-0.0002	12	-9 20 49.96	0.010	12	0.25	5.457	16	33.4	50.13	16	33.4	K0		16	4667	A	-8 3446
29		8.8A	51 5.981	0.0019	11	-8 28 9.31	-0.003	11	0.24	5.950	16	33.4	9.26	16	33.4	G5		16	4668	A	-7 3504
30		8.9A	51 17.507	0.0001	12	-6 47 19.06	0.001	12	0.25	17.505	16	33.4	19.08	16	33.4	G5		16	4669	A	-6 3679
31		8.6A	51 28.504	-0.0032	12	-9 50 6.68	0.014	12	0.25	28.557	16	33.4	6.92	16	33.4	K0		16	4670	A	-9 3579
32		9.0A	51 34.397	-0.0026	14	-1 12 1.39	-0.019	20	0.29	34.432	17	36.4	1.12	17	36.4	F0		21	3483	A	-0 2828
33		4.9H	51 44.944	-0.0019	01	-9 16 3.92	-0.020	01	0.06	45.020	03	09.4	3.07	03	07.5	M3		F4	1335		-8 3449
34		8.5G	51 51.056	0.0009	09	-7 20 20.59	-0.029	07	0.38	51.018	15	06.2	19.26	15	03.7	A3		GC	17520		-6 3681
35		9.1A	51 52.768	-0.0019	14	-1 52 47.78	-0.017	20	0.29	52.794	17	36.4	47.55	17	36.4	F5		21	3484	A	-1 2737
36		8.9A	52 10.874	-0.0004	12	-7 20 43.01	0.004	12	0.25	10.881	16	33.4	43.08	16	33.4	G5		16	4673	A	-6 3685
37		8.3A	52 24.116	0.0019	12	-8 54 23.44	-0.002	12	0.25	24.085	16	33.4	23.41	16	33.4	F5		16	4675	A	-8 3451
38		8.9A	52 41.903	-0.0033	11	-3 20 12.09	-0.029	11	0.24	41.957	16	33.4	11.61	16	33.4	F5		17	4707	A	-2 3596
39		7.2T	52 47.478	-0.0134	07	-4 14 4.69	0.045	06	0.42	48.244	14	92.9	7.34	14	91.4	G5		GC	17536		-3 3375
40		9.1A	52 57.376	-0.0054	12	-6 57 16.73	-0.001	12	0.25	57.466	16	33.4	16.72	16	33.4	F8	R	16	4676	A	-6 3688
41		8.8A	52 58.763	-0.0059	14	-0 51 13.46	-0.046	20	0.29	58.844	17	36.4	12.82	17	36.4	G5		21	3485	A	-0 2629
42		9.2A	52 59.036	-0.0072	12	-8 27 8.25	-0.092	12	0.25	59.155	16	33.4	6.72	16	33.4	G5	R	16	4677	A	-7 3509
43		8.8A	53 6.311	-0.0006	14	-1 26 56.21	-0.036	20	0.29	6.319	17	36.4	55.71	17	36.4	K2		21	3487	A	-2 2630
44		7.9A	53 6.612	-0.0079	09	-3 16 48.96	0.024	09	0.22	6.742	16	33.4	49.36	16	33.4	F5		17	4709	A	-2 3597
45		8.9A	53 9.272	0.0002	13	-4 45 49.97	-0.056	13	0.27	9.269	16	33.4	49.05	16	33.4	G5		17	4710	A	-4 3377
46		9.2A	53 15.607	-0.0012	11	-9 57 3.97	-0.013	11	0.24	15.628	16	33.4	3.76	16	33.4	K0	R	16	4678	A	-9 3586
47		9.0A	53 23.555	-0.0005	14	-0 33 16.14	-0.051	20	0.29	23.561	17	36.4	15.44	17	36.4	G5		21	3488	A	-0 2631
48		8.7A	53 36.389	-0.0001	11	-6 59 8.25	0.022	11	0.24	36.392	16	33.4	8.62	16	33.4	K0		16	4679	A	-6 3691
49		6.9T	53 40.123	-0.0037	07	-4 35 37.61	-0.014	04	0.32	40.311	09	99.6	36.82	09	93.2	A0		GC	17555K	B*	-4 3379
50		9.0A	53 42.454	-0.0038	12	-7 8 15.95	0.004	12	0.25	42.518	16	33.4	16.02	16	33.4	F8		16	4680	A	-6 3692
51		9.2A	12 53 47.240	-0.0006	12	-8 13 31.48	-0.001	12	0.25	47.251	16	33.4	31.47	16	33.4	K5	R	16	4681	A	-7 3512
52		8.9A	53 47.519	-0.0005	13	-5 8 16.56	0.007	13	0.27	47.528	16	33.4	16.68	16	33.4	K5	R	17	4712	A	-4 3380
53		6.6T	53 52.540	0.0017	08	-0 40 59.45	-0.103	07	0.45	52.445	14	94.1	53.61	12	93.5	F5		GC	17560K	B*	-0 2632
54		9.0A	53 54.858	-0.0019	13	-4 12 49.05	0.010	13	0.27	54.890	16	33.4	49.22	16	33.4	F8		17	4713	A	-3 3378
55		8.5A	53 55.478	-0.0035	13	-6 3 23.59	-0.015	13	0.27	55.536	16	33.4	23.34	16	33.4	K5		17	4714	A	-5 3600
56		9.0A	53 57.038	-0.0000	09	-3 19 8.39	-0.011	09	0.22	57.038	16	33.4	8.21	16	33.4	K2		17	4715	A	-2 3601
57		8.8A	54 7.080	-0.0039	14	-0 34 41.57	-0.064	20	0.29	7.133	17	36.4	40.69	17	36.4	K2		21	3490	A	-0 2634
58		8.5A	54 14.418	-0.0045	12	-4 26 6.41	-0.037	12	0.25	14.494	16	33.4	5.80	16	33.4	K0		17	4716	A	-3 3379
59		9.0A	54 22.471	0.0007	14	-0 49 59.64	-0.025	20	0.29	22.462	17	36.4	59.29	17	36.4	K2		21	3491	A	-0 2635
60		6.8T	54 42.674	0.0000	10	-8 38 25.56	0.008	09	0.47	42.672	09	01.9	25.97	10	98.5	B9		GC	17580		-8 3456
61		7.0T	54 51.915	0.0026	15	-9 29 22.86	-0.111	13	0.66	51.797	18	05.2	17.76	18	04.0	F5		GC	17583K	B*	-8 3457
62		9.2A	54 56.832	0.0007	14	-1 42 15.81	0.000	20	0.29	56.823	17	36.4	15.82	17	36.4	K0	R	21	3492	A	-1 2744
63		9.0A	55 0.908	-0.0027	14	-2 29 24.30	0.002	20	0.29	0.945	17	36.4	24.33	17	36.4	F8		21	3493	A	-1 2745
64		9.0A	55 1.845	0.0001	11	-5 40 22.61	-0.014	11	0.24	1.843	16	33.4	22.38	16	33.4	G		17	4717	A	-5 3602
65		8.6A	55 4.428	-0.0018	11	-6 7 19.51	-0.015	11	0.24	4.458	16	33.4	19.26	16	33.4	K2		17	4719	A	-5 3603
66		8.8A	55 15.965	0.0001	09	-5 2 24.74	-0.002	09	0.22	15.963	16	33.4	24.69	16	33.4	A0		17	4720	A	-4 3384
67		8.2A	55 19.255	-0.0001	09	-6 52 15.42	-0.008	09	0.22	19.258	16	33.4	15.29	16	33.4	K0		16	4685	A	-6 3701
68		9.0A	55 19.865	-0.0008	14	-1 47 0.48	0.011	20	0.29	19.876	17	36.4	0.64	17	36.4	F8		21	3494	A	-1 2746
69		9.0A	55 51.145	-0.0021	13	-5 46 40.34	-0.047	13	0.27	51.180	16	33.4	39.56	16	33.4	F8		17	4721K	A	-5 3604
70		8.5A	55 53.641	-0.0015	14	-0 46 56.58	-0.013	20	0.29	53.661	17	36.4	56.39	17	36.4	A2		21	3495	A	-0 2637
71		7.7T	56 0.272	-0.0018	07	-6 40 42.95	0.008	07	0.29	0.351	06	07.0	43.29	06	08.3	K0		GC	17599		-6 3705
72		6.8T	56 5.326	0.0009	10	-2 38 1.66	-0.024	11	0.56	5.278	14	96.8	0.41	15	97.2	K2		GC	17600		-2 3605
73		8.5A	56 15.383	-0.0000	13	-3 15 46.46	-0.022	13	0.27	15.383	16	33.4	46.10	16	33.4	F2		17	4724	A	-2 3606
74		9.0A	56 17.788	0.0022	14	-1 40 29.23	-0.087	20	0.29	17.758	17	36.4	28.05	17	36.4	K0		21	3498	A	-1 2748
75		8.5A	56 19.505	-0.0024	12	-3 39 46.61	-0.001	12	0.25	19.546	16	33.4	46.60	16	33.4	K5		17	4725	A	-3 3383
76		8.8A	56 21.717	-0.0017	14	-0 34 26.54	-0.027	20	0.29	21.740	17	36.4	26.16	17	36.4	K5		21	3499	A	-0 2639
77		8.9A	56 22.950	-0.0061	09	-3 23 13.09	0.017	09	0.22	23.052	16	33.4	13.38	16	33.4	F5		17	4726	A	-2 3607
78		7.8A	56 23.663	-0.0062	12	-8 28 6.89	-0.071	12	0.25	23.766	16	33.4	5.71	16	33.4	K0		16	4687	A	-7 3515
79		7.3A	56 24.724	-0.0021	13	-5 49 16.08	-0.013	13	0.27	24.759	16	33.4	15.86	16	33.4	A2		17	4727	A	-5 3605
80		8.2A	56 25.330	-0.0061	14	-1 48 40.56	-0.065	20	0.29	25.414	17	36.4	39.68	17	36.4	K0		21	3500	A	-1 2749
81		7.7Q	56 27.783	-0.0554	07	-9 34 2.65	0.185	06	0.39	30.922	10	93.3	13.66	10	90.5	G5		GC	17617	B*	-9 3595
82		9.1A	56 33.815	-0.0046	14	-0 9 31.99	-0.036	20	0.29	33.878	17	36.4	31.50	17	36.4	F5		21	3501	A	0 3006
83		9.0A	56 34.438	-0.0004	12	-8 17 18.80	-0.021	12	0.25	34.444	16	33.4	18.45	16	33.4	K		16	4689	A	-7 3517
84		8.7A	56 47.786	-0.0011	14	-0 51 39.23	-0.024	20	0.29	47.801	17	36.4	38.89	17	36.4	K2		21	3502	A	-0 2640
85		8.0A	56 48.558	0.0000	13	-4 38 13.94	-0.020	13	0.27	48.568	16	33.4	13.61	16	33.4	K2		17	4728	A	-4 3390
86		5.9H	57 4.803	-0.0027	02	-3 32 33.43	0.003	01	0.06	4.885	03	18.9	33.55	03	15.5	A0		F4	1336		-3 3384
87		8.6A	57 10.095	0.0012	11	-4 9 38.14	-0.038	11	0.24	10.036	16	33.4	37.51	16	33.4	K0		17	4730	A	-3 3385
88		9.5A	57 28.005	-0.0029	12	-9 53 48.89	-0.024	12	0.25	28.054	16	33.4	48.49	16	33.4	F0	R	16	4690	A	-9 3600
89		9.1A	57 31.104	0.0055	14	-1 46 2.90	-0.132	20	0.29	31.029	17	36.4	1.11	17	36.4	G5		21	3505	A	-1 2753
90		8.0A	57 33.548	-0.0004	14	-0 55 0.93	0.004	20	0.29	33.553	17	36.4	0.98	17	36.4	A3		21	3507	A	-0 2641
91		9.1A	57 45.176	-0.0535	14	-2 26 8.23	0.006	20	0.29	45.904	17	36.4	8.32	17	36.4	K2		21	3508	A	-1 2754
92		8.6A	57 47.608	0.0005	12	-8 22 14.42	0.001	12	0.25	47.599	16	33.4	14.44	16	33.4	K		16	4691	A	-7 3521
93		8.7A	57 52.465	-0.0008	12	-8 21 30.87	0.015	12	0.25	52.479	16	33.4	31.12	16	33.4	A0		16	4692	A	-7 3522
94		7.6A	57 53.173	-0.0028	12	-8 49 50.18	-0.039	12	0.25	53.220	16	33.4	49.53	16	33.4	G0		16	4693	A	-8 3466
95		9.0A	57 58.761	0.0031	14	-0 15 37.00	-0.073	20	0.29	58.719	17	36.4	36.01	17	36.4	F5		21	3509	A	0 3009
96		6.1T	58 1.260	-0.0019	03	-3 6 0.31	0.046	02	0.16	1.354	07	00.4	2.65	06	99.4	K0		GC	17649K	B*	-2 3609
97		8.5A	58 4.238	0.0010	14	-2 17 35.82	-0.032	20	0.29	4.224	17	36.4	35.39	17	36.4	G5		21	3510	A	-1 2755
98		9.0A	58 8.683	0.0000	11	-9 8 24.25	-0.030	11	0.24	8.692	16	33.4	23.75	16	33.4	K0		16	4694	A	-8 3468
99		8.9A	58 19.722	-0.0032	11	-7 3 12.45	0.001	11	0.24	19.776	16	33.4	12.47	16	33.4	G5		16	4695	A	-6 3714
00		9.1A	58 24.718	0.0012	11	-5 5 52.58	-0.148	11	0.24	24.698	16	33.4	50.11	16	33.4	G0	R	17	4732	A	-4 3395

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EPOCH 1950 — ORIGINAL EPOCH — SOURCE — − 00° 12H

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	CAT.	STAR NUMBER	DM NUMBER
1		8.9A	12 58 35.299	−0.0016	14	−2 16 19.82	−0.008	20	0.29	35.321	17	36.4	19.71	17	36.4	G5	21	3511	A −1 2756
2		8.7B	58 44.797	−0.0308	18	−8 10 11.02	−0.110	17	0.70	45.983	14	11.3	6.73	14	10.9	G5	GC	17669	B* −7 3525
3		9.1A	58 45.243	−0.0015	13	−3 58 42.10	−0.009	13	0.27	45.289	16	33.4	41.98	16	33.4	G0	17	4733	A −3 3390
4		9.1A	58 53.250	−0.0082	11	−9 11 6.57	0.096	11	0.24	53.354	16	33.4	8.17	16	33.4	G0	16	4697	A −8 3470
5		9.0A	59 2.522	−0.0041	12	−9 33 44.84	−0.030	12	0.25	2.590	16	33.4	44.44	16	33.4	F8	16	4698	A −9 3605
6		8.7A	59 4.082	0.0009	12	−9 22 19.09	0.013	12	0.25	4.067	16	33.4	19.31	16	33.4	F0	16	4699	A −8 3471
7		9.2A	59 13.363	−0.0011	13	−3 3 1.84	0.007	13	0.27	13.380	16	33.4	1.98	16	33.4	K0	17	4734	A −2 3614
8		9.2A	59 23.229	−0.0041	14	−1 43 54.65	−0.011	20	0.29	23.285	17	36.4	54.51	17	36.4	K0 R	21	3512	A −1 2759
9		9.2A	59 38.033	−0.0086	12	−9 13 16.47	−0.026	12	0.25	38.176	16	33.4	16.04	16	33.4	G5	16	4701	A −9 3473
10		9.1A	59 51.325	−0.0104	11	−3 43 54.90	−0.006	11	0.24	51.498	16	33.4	54.81	16	33.4	K0	17	4735	A −3 3393
11		9.2A	59 54.785	−0.0047	09	−5 3 13.44	0.007	09	0.22	54.844	16	33.4	13.55	16	33.4	G0 R	17	4736	A −4 3402
12		8.8A	59 56.784	−0.0021	13	−4 21 58.39	0.005	13	0.27	56.799	16	33.4	58.48	16	33.4	K2 F	17	4737	A −3 3395
13		9.3A	13 0 4.711	−0.0006	11	−8 44 39.70	−0.030	11	0.24	4.722	16	33.4	39.20	16	33.4	K0 R	16	4702	A −8 3475
14		8.9A	0 9.376	−0.0083	13	−6 37 33.94	−0.046	13	0.27	9.531	16	33.4	33.18	16	33.4	G5	17	4736	A −6 3721
15		9.5A	0 10.475	−0.0040	09	−4 20 27.14	0.016	09	0.22	10.542	16	33.4	27.41	16	33.4	A5	17	4739	A −3 3396
16		8.7A	0 14.758	−0.0011	14	−0 31 33.74	−0.039	20	0.29	14.773	17	36.4	33.21	17	36.4	K5	21	3515	A −0 2847
17		8.5A	0 15.336	0.0012	11	−8 43 58.60	−0.021	11	0.24	15.317	16	33.4	58.25	16	33.4	F5	16	4704	A −8 3477
18		8.9A	0 22.946	−0.0005	14	−1 14 21.04	0.015	20	0.29	22.952	17	36.4	21.23	17	36.4	G5	21	3516	A −0 2848
19		8.7A	0 23.322	−0.0007	13	−5 29 57.56	−0.019	13	0.27	23.334	16	33.4	57.24	16	33.4	A2	17	4741	A −4 3405
20		8.5A	0 25.286	0.0033	13	−2 53 22.26	−0.043	13	0.27	25.211	16	33.4	21.57	16	33.4	F5	17	4742	A −2 3617
21		9.0A	0 25.776	−0.0004	13	−3 44 35.34	0.006	13	0.27	25.783	16	33.4	35.45	16	33.4	K0	17	4743	A −3 3397
22		8.8A	0 27.767	−0.0016	12	−7 39 22.66	0.061	13	0.27	27.794	16	33.4	23.68	16	33.4	G0	16	4705	A −7 3533
23		9.0A	0 30.671	−0.0002	13	−4 1 4.01	−0.051	13	0.27	30.675	16	33.4	3.16	16	33.4	K0	17	4744	A −3 3398
24		9.0A	0 36.281	−0.0106	13	−5 51 15.29	0.019	13	0.27	36.458	16	33.4	15.61	16	33.4	G5	17	4745	A −5 3618
25		8.8A	0 42.592	−0.0034	11	−2 41 44.41	0.001	11	0.24	42.648	16	33.4	44.43	16	33.4	G5	17	4746	A −2 3620
26		9.2A	0 44.986	−0.0020	12	−8 2 1.31	−0.007	12	0.25	44.959	16	33.4	1.20	16	33.4	F5	16	4706	A −7 3533
27		9.1A	1 0.038	−0.0011	09	−3 40 44.61	0.051	09	0.22	0.057	16	33.4	45.13	16	33.4	K0	17	4748	A −3 3400
28		9.2A	1 0.603	−0.0024	14	−0 18 44.14	−0.040	20	0.29	0.636	17	36.4	43.60	17	36.4	K5 R	21	3517	A 0 3013
29		7.5T	1 14.909	−0.0157	09	−4 53 26.26	−0.250	09	0.45	15.571	09	01.7	15.13	09	01.6	K0	GC	17714	−4 3408
30		7.5A	1 18.429	−0.0019	13	−2 56 57.62	−0.011	13	0.27	18.459	16	33.4	57.44	16	33.4	F0	17	4750	A −2 3621
31		6.5T	1 19.652	−0.0026	02	−3 23 40.75	−0.040	02	0.13	19.777	05	02.2	38.79	05	00.5	F0	GC	17715K	B* −2 3622
32		9.2A	1 26.139	−0.0035	14	−0 36 3.49	−0.024	20	0.29	26.186	17	36.4	3.17	17	36.4	F0 R	21	3518	A* −0 2651
33		9.5A	1 30.301	−0.0006	09	−3 44 31.66	0.000	09	0.22	30.311	16	33.4	31.67	16	33.4	F8 F	17	4752	A −3 3401
34		8.5A	1 36.584	−0.0086	13	−6 23 38.75	−0.009	13	0.27	36.693	16	33.4	38.60	16	33.4	F2	17	4753	A −5 3621
35		8.4A	1 41.923	−0.0024	11	−8 27 59.99	0.021	11	0.24	41.964	16	33.4	+ 0.34	16	33.4	K2	16	4708	A −7 3538
36		9.3A	1 41.942	−0.0017	14	−1 36 42.82	0.001	20	0.29	41.966	17	36.4	42.84	17	36.4	K0 R	21	3519	A −1 2763
37		9.0A	1 48.164	−0.0033	14	−1 42 20.42	−0.050	20	0.29	48.209	17	36.4	19.74	17	36.4	F8	21	3520	A −1 2764
38		9.0A	2 0.023	−0.0017	14	−1 47 18.26	−0.041	20	0.29	0.047	17	36.4	17.71	17	36.4	K5	21	3522	A −1 2765
39		7.8A	2 4.552	−0.0004	14	−0 27 37.41	−0.047	20	0.29	4.558	17	36.4	36.76	17	36.4	K2	21	3523	A 0 3015
40		7.8A	2 10.590	−0.0017	12	−8 18 10.37	−0.015	12	0.25	10.619	16	33.4	10.12	16	33.4	K0	16	4709	A −7 3540
41		8.9A	2 37.014	−0.0007	14	−0 53 51.69	−0.032	20	0.29	37.024	17	36.4	51.25	17	36.4	K0	21	3525	A −0 2855
42		8.7B	2 45.523	0.0036	09	−7 52 53.78	−0.091	09	0.46	45.358	17	05.5	52.30	15	01.8	F5	GC	17741	−7 3542
43		8.3A	2 50.292	−0.0008	13	−5 57 20.91	−0.084	13	0.27	50.305	16	33.4	20.51	16	33.4	K0	17	4754	A −5 3625
44		8.3A	2 52.954	−0.0027	14	−2 17 23.27	−0.008	20	0.29	52.991	17	36.4	23.19	17	36.4	F0	21	3526	A −1 2768
45		9.0A	2 55.274	−0.0002	11	−3 56 45.40	−0.018	11	0.24	55.278	16	33.4	45.11	16	33.4	A2	17	4755	A −3 3405
46		9.0A	2 56.546	−0.0006	13	−4 55 26.33	−0.001	13	0.27	56.557	16	33.4	26.32	16	33.4	K0 R	17	4756	A −4 3414
47		8.9A	3 5.397	−0.0016	12	−6 53 31.19	0.017	12	0.25	5.425	16	33.4	31.47	16	33.4	K0	16	4712	A −6 3731
48		8.5A	3 13.990	−0.0030	12	−7 23 33.09	−0.072	12	0.25	14.040	16	33.4	31.89	16	33.4	G5	16	4713	A −7 3732
49		8.7A	3 20.441	−0.0004	12	−8 25 29.94	−0.008	12	0.25	20.448	16	33.4	29.81	16	33.4	A0	16	4714	A −7 3545
50		9.0A	3 23.228	−0.0036	12	−7 1 43.59	−0.089	11	0.24	23.286	16	33.4	43.13	16	33.4	G5	16	4715	A −6 3733
51		8.0A	13 3 28.615	−0.0081	09	−4 52 2.34	−0.044	09	0.22	28.699	16	33.4	1.61	16	33.4	F0	17	4757	A −4 3418
52		8.9B	3 33.445	−0.0139	14	−8 9 21.97	−0.030	14	0.65	34.048	17	06.4	20.66	18	06.0	G0	GC	17755	−7 3548
53		9.3T	3 37.010	−0.0031	22	−0 22 15.95	0.005	30	1.03	37.128	19	11.7	16.13	21	12.1	A3	GC	17757	0 3017
54		8.3A	3 38.616	−0.0061	09	−4 2 32.76	−0.087	09	0.22	38.718	16	33.4	31.32	16	33.4	G0	17	4758	A −3 3406
55		9.1A	3 46.015	−0.0000	14	−2 30 30.30	−0.014	20	0.29	46.015	17	36.4	30.11	17	36.4	F0	21	3528	A −1 2770
56		8.7A	3 47.309	−0.0084	12	−9 47 2.95	−0.014	12	0.25	47.349	16	33.4	2.72	16	33.4	F8	16	4717	A −9 3621
57		8.4A	3 50.665	−0.0013	11	−4 34 42.15	−0.014	11	0.24	50.687	16	33.4	41.92	16	33.4	K0	17	4759	A −4 3419
58		8.5A	3 54.002	−0.0003	13	−4 4 25.87	−0.007	13	0.27	54.007	16	33.4	25.76	16	33.4	K0	17	4760	A −3 3407
59		9.0A	3 56.018	−0.0032	12	−8 12 29.52	0.015	12	0.25	56.071	16	33.4	29.77	16	33.4	K5	16	4719	A −7 3549
60		9.1A	4 3.989	−0.0135	11	−7 33 28.66	−0.022	11	0.24	4.213	16	33.4	28.30	16	33.4	G5	16	4720	A −7 3550
61		8.8A	4 13.106	−0.0037	12	−7 1 30.22	0.007	12	0.25	13.168	16	33.4	30.34	16	33.4	K0	16	4721	A −6 3735
62		8.8A	4 19.431	−0.0043	14	−1 38 15.98	0.021	20	0.29	19.490	17	36.4	16.27	17	36.4	K2	21	3529	A −1 2772
63		8.8A	4 22.148	−0.0001	12	−7 46 15.13	−0.015	12	0.25	22.148	16	33.4	14.88	16	33.4	F2	16	4722	A −7 3551
64		9.4A	4 27.575	−0.0074	09	−3 46 36.44	−0.055	09	0.22	27.699	16	33.4	35.53	16	33.4	K2 F	17	4761	A −3 3409
65		9.0A	4 28.823	−0.0086	14	−2 24 12.06	−0.004	20	0.29	28.858	17	36.4	12.01	17	36.4	F2	21	3531	A −1 2773
66		8.1T	4 35.649	−0.0041	08	−5 48 53.82	−0.020	08	0.44	35.863	14	97.3	52.81	14	98.9	A5	GC	17762	−5 3634
67		9.0A	4 39.409	0.0033	14	−0 11 3.11	−0.053	20	0.29	39.346	17	36.4	2.39	17	36.4	K2 R	21	3532	A 0 3021
68		9.0A	4 42.639	−0.0052	14	−1 25 5.67	−0.034	20	0.29	42.710	17	36.4	5.20	17	36.4	G	21	3533	A −0 2858
69		8.8A	5 25.061	−0.0003	11	−6 0 44.40	−0.027	11	0.24	25.065	16	33.4	43.95	16	33.4	G0	17	4764	A −5 3636
70		8.8A	5 42.248	−0.0012	09	−4 26 35.16	−0.025	09	0.22	42.269	16	33.4	34.75	16	33.4	F8	17	4765	A −3 3412
71		8.0A	5 50.323	−0.0143	11	−7 2 34.83	0.098	11	0.24	50.561	16	33.4	36.46	16	33.4	G5	16	4724	A −6 3742
72		8.6A	5 50.506	−0.0004	14	−2 31 45.74	−0.083	20	0.29	50.511	17	36.4	44.89	17	36.4	F0	21	3535	A −2 3634
73		8.6A	5 52.616	0.0002	13	−4 41 7.34	−0.008	13	0.27	52.614	16	33.4	7.21	16	33.4	F5	17	4767	A −4 3424
74		8.2A	5 55.351	−0.0009	14	−2 24 45.99	0.035	20	0.29	55.363	17	36.4	46.47	17	36.4	F2	21	3536	A −1 2777
75		5.7T	5 55.822	−0.0025	03	−8 43 1.10	−0.066	03	0.15	55.937	06	03.3	−57.86	06	00.9	K0	GC	17805	B* −8 3491
76		8.9A	6 3.979	−0.0019	11	−4 30 21.43	−0.008	13	0.26	4.011	16	33.4	21.30	16	33.4	K5	17	4769	A −4 3425
77		9.1A	6 9.884	−0.0008	12	−6 47 18.12	0.014	12	0.25	9.895	16	33.4	18.36	16	33.4	F8 R	16	4726	A −6 3745
78		8.0A	6 13.508	−0.0026	13	−5 43 44.64	−0.033	13	0.27	13.549	16	33.4	44.09	16	33.4	F8	17	4770	A −5 3640
79		8.5A	6 15.819	−0.0035	13	−6 10 31.53	−0.008	13	0.27	15.877	16	33.4	31.40	16	33.4	F8	17	4771	A −5 3641
80		9.0A	6 22.766	−0.0025	13	−4 19 56.45	−0.029	13	0.27	22.808	16	33.4	55.97	16	33.4	F9 F	17	4772	A −3 3416
81		8.8A	6 29.801	−0.0039	12	−8 14 5.35	−0.001	12	0.25	29.865	16	33.4	5.34	16	33.4	K2	16	4727	A −7 3552
82		9.0A	6 35.015	−0.0015	09	−4 23 21.89	−0.008	09	0.22	35.041	16	33.4	21.76	16	33.4	F5	17	4773	A −3 3417
83		6.4T	6 37.488	−0.0025	16	−9 16 18.81	−0.015	14	0.70	37.597	17	05.7	18.13	15	04.3	K0	GC	17815	−8 3495
84		9.0A	6 56.500	−0.0040	12	−6 58 50.74	0.006	12	0.25	56.567	16	33.4	50.84	16	33.4	F2	16	4729	A −6 3747
85		8.5A	6 59.729	−0.0038	12	−7 30 52.60	0.016	12	0.25	59.792	16	33.4	52.67	16	33.4	MA	16	4730	A −7 3553
86		8.3A	7 8.026	−0.0044	13	−3 7 20.47	−0.070	13	0.27	8.099	16	33.4	19.31	16	33.4	F2	17	4774	A −2 3638
87		7.4T	7 10.130	−0.0018	08	−7 23 20.88	−0.024	04	0.33	10.219	09	01.5	19.60	10	96.3	K0	GC	17823	−6 3750
88		9.0A	7 20.404	−0.0011	14	−1 8 15.56	−0.024	20	0.29	20.418	17	36.4	15.24	17	36.4	G5	21	3538	A −0 2662
89		4.5H	7 21.476	−0.0023	01	−5 16 21.11	−0.037	01	0.03	21.568	02	10.2	19.62	02	09.2	A0	F4	490	−4 3430
90		9.0A	7 23.672	−0.0014	13	−5 30 16.41	−0.026	13	0.27	23.695	16	33.4	15.98	16	33.4	K0	17	4776	A −5 3644
91		8.8A	7 30.339	−0.0052	14	−0 21 3.07	−0.012	20	0.29	30.409	17	36.4	2.90	17	36.4	F8	21	3539	A 0 3028
92		9.2A	7 42.455	−0.0012	13	−3 11 21.76	−0.043	13	0.27	42.474	16	33.4	21.05	16	33.4	G8 F	17	4777	A −2 3641
93		9.4A	7 42.800	−0.0009	12	−8 20 2.49	0.007	12	0.25	42.815	16	33.4	2.61	16	33.4	G5 R	16	4733	A −7 3553
94		9.4A	7 56.908	0.0009	13	−5 53 39.83	−0.014	13	0.27	56.891	16	33.4	39.60	16	33.4	K0 F	17	4779	A −5 3419
95		7.6A	8 7.153	−0.0048	13	−4 40 33.39	−0.010	13	0.27	7.233	16	33.4	33.23	16	33.4	F2	17	4780K	A −4 3432
96		8.7A	8 8.772	0.0058	13	−3 1 31.93	−0.071	13	0.27	8.675	16	33.4	30.76	16	33.4	F8	17	4781	A −2 3642
97		8.4A	8 9.319	−0.0014	14	−0 9 11.06	−0.020	20	0.29	9.338	17	36.4	10.79	17	36.4	K2	21	3540	A 0 3030
98		9.0A	8 10.713	−0.0094	14	−0 25 47.60	0.013	20	0.29	10.841	17	36.4	47.77	17	36.4	K0 R	21	3541	A 0 3029
99		8.1B	8 13.047	−0.0028	05	−9 50 13.81	−0.001	04	0.24	13.176	09	03.2	13.76	09	97.6	A0	GC	17842	−9 3640
00		9.1A	8 21.374	−0.0008	12	−8 39 29.39	−0.039	12	0.25	21.387	16	33.4	28.74	16	33.4	F8	16	4736	A −8 3500

139200

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	EPOCH 1950 μ s	EPOCH 1950 σ_μ ″.001	EPOCH 1950 δ_{1950} ° ′ ″	EPOCH 1950 μ' ″	EPOCH 1950 $\sigma_{\mu'}$ ″.001	EPOCH 1950 σ_{1950} ″	ORIGINAL EPOCH α_2 s	ORIGINAL EPOCH σ ″.01	ORIGINAL EPOCH ep.	ORIGINAL EPOCH δ_2 ″	ORIGINAL EPOCH σ' ″.01	ORIGINAL EPOCH ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	DM NUMBER
1		8.6A	13 8 23.105	-0.0017	14	-2 27 48.28	0.032	20	0.29	23.128	17	36.4	48.72	17	36.4	G5	21	3542	A -1 2781
2		9.0A	8 23.593	-0.0004	13	-4 6 47.52	-0.181	13	0.27	23.601	16	33.4	44.51	16	33.4	G8 F	17	4782	A -3 3420
3		8.8A	8 38.627	-0.0016	12	-7 24 51.15	-0.004	12	0.25	38.654	16	33.4	51.08	16	33.4	K2	16	4737	A -6 3756
4		8.9A	8 41.745	-0.0010	12	-9 18 54.81	0.011	12	0.25	41.762	16	33.4	54.99	16	33.4	G0	16	4738	A -8 3502
5		8.6A	8 42.381	-0.0025	13	-3 38 59.74	0.033	13	0.27	42.423	16	33.4	0.29	16	33.4	K0	17	4784	A -3 3421
6		8.9A	8 42.521	-0.0066	12	-7 51 25.43	-0.040	12	0.25	42.631	16	33.4	24.77	16	33.4	F5	16	4739	A -7 3558
7		9.1A	8 46.623	-0.0003	12	-7 32 42.78	-0.001	12	0.25	46.628	16	33.4	42.77	16	33.4	K2	16	4741	A -7 3559
8		9.4A	9 5.908	-0.0004	13	-3 44 24.22	-0.072	13	0.27	5.915	16	33.4	23.03	16	33.4	G5 F	17	4785	A -3 3422
9		8.6A	9 8.639	-0.0003	12	-6 47 5.56	-0.004	12	0.25	8.644	16	33.4	5.49	16	33.4	F8	16	4742	A -6 3760
10		9.0A	9 24.024	-0.0024	11	-2 44 32.22	0.007	11	0.24	24.064	16	33.4	32.34	16	33.4	G5	17	4786	A -2 3644
11		9.4A	9 28.752	0.0001	11	-2 42 32.17	-0.085	11	0.24	28.751	16	33.4	30.76	16	33.4	G5	17	4787	A -2 3645
12		8.8A	9 29.708	-0.0041	12	-7 53 11.79	-0.001	12	0.25	29.776	16	33.4	11.78	16	33.4	G0	16	4743	A -7 3560
13		8.7A	9 32.274	0.0005	13	-3 50 37.31	0.012	13	0.27	32.266	16	33.4	37.51	16	33.4	K0	17	4788	A -3 3423
14		9.2A	9 42.946	-0.0001	12	-8 12 38.32	-0.061	12	0.25	42.948	16	33.4	37.31	16	33.4	K0	16	4744	A -7 3562
15		8.8A	9 46.642	0.0028	13	-6 14 5.99	-0.027	13	0.27	46.595	16	33.4	5.54	16	33.4	F5	17	4789	A -5 3653
16		8.6A	9 49.970	0.0007	12	-8 3 6.98	-0.070	12	0.25	49.958	16	33.4	5.82	16	33.4	G0	16	4745	A -7 3563
17		9.0A	10 7.280	0.0008	12	-7 22 0.23	0.012	12	0.25	7.267	16	33.4	0.43	16	33.4	A0	16	4746	A -6 3765
18		8.0A	10 9.708	-0.0104	14	-2 0 0.74	0.012	20	0.29	9.850	17	36.4	0.91	17	36.4	K0	21	3543	A -1 2784
19		7.3A	10 11.504	-0.0033	14	-1 29 35.91	-0.013	20	0.29	11.548	17	36.4	35.72	17	36.4	MB	21	3544	A -0 2668
20		8.4A	10 13.634	-0.0000	13	-3 37 46.95	-0.005	13	0.27	13.635	16	33.4	46.87	16	33.4	K2	17	4790	A -3 3426
21		9.2A	10 22.645	-0.0001	13	-5 48 21.58	0.012	13	0.27	22.647	16	33.4	21.78	16	33.4	K2	17	4791	A -5 3655
22		9.0A	10 33.950	-0.0018	14	-1 15 46.51	0.014	20	0.29	33.974	17	36.4	46.69	17	36.4	F8 R	21	3546	A -0 2669
23		8.9A	10 36.533	-0.0088	12	-8 40 1.24	-0.020	12	0.25	36.679	16	33.4	0.91	16	33.4	G5	16	4747	A -8 3508
24		9.1A	10 37.201	-0.0017	13	-2 47 37.18	0.003	13	0.27	37.229	16	33.4	37.23	16	33.4	M3 F	17	4793	A -2 3649
25		8.1Q	10 37.220	0.0140	10	-4 45 26.47	-0.067	11	0.54	36.540	14	01.4	23.26	15	01.9	G5	GC	17894	-4 3439
26		8.7A	10 39.362	0.0002	09	-7 40 7.27	-0.014	09	0.22	39.359	16	33.4	7.04	16	33.4	F2	16	4748	A -7 3566
27		7.8Q	10 39.492	-0.0087	08	-2 17 27.40	-0.048	05	0.37	39.936	15	99.1	24.54	15	89.9	F8	GC	17896K	B* -1 2786
28		9.1A	10 44.334	-0.0011	13	-5 46 4.22	0.027	13	0.27	44.353	16	33.4	4.67	16	33.4	F0	17	4794	A -5 3656
29		7.5A	10 46.334	-0.0016	09	-3 13 46.95	0.000	09	0.22	46.360	16	33.4	46.95	16	33.4	K2	17	4795	A -2 3651
30		8.5A	11 5.051	-0.0004	13	-4 6 42.95	-0.044	13	0.27	5.059	16	33.4	42.22	16	33.4	G5	17	4796	A -3 3428
31		9.0A	11 7.964	-0.0019	14	-1 18 4.85	-0.022	20	0.29	7.990	17	36.4	4.54	17	36.4	K5	21	3548	A -0 2671
32		8.5A	11 11.300	-0.0055	13	-6 39 22.48	0.038	13	0.27	11.391	16	33.4	23.12	16	33.4	G0	17	4797	A -6 3769
33		9.0A	11 17.736	-0.0000	14	-1 45 38.53	-0.075	20	0.29	17.736	17	36.4	37.51	17	36.4	G0	21	3549	A -1 2787
34		9.0A	11 23.062	-0.0045	14	-2 10 0.21	-0.011	20	0.29	23.124	17	36.4	0.06	17	36.4	F5	21	3550	A -1 2788
35		8.9A	11 23.714	-0.0001	13	-5 33 1.01	-0.016	13	0.27	23.715	16	33.4	0.74	16	33.4	K0	17	4798	A -5 3658
36		7.9A	11 29.747	-0.0042	14	-2 32 32.59	0.004	20	0.29	29.804	17	36.4	32.65	17	36.4	MB	21	3551	A -2 3653
37		9.3A	11 49.678	-0.0109	11	-4 45 44.68	-0.055	11	0.24	49.860	16	33.4	43.77	16	33.4	G0 R	17	4800	A -4 3444
38		9.2A	11 54.934	-0.0009	13	-5 41 43.32	0.015	13	0.27	54.950	16	33.4	43.57	16	33.4	K5	17	4801	A -5 3659
39		9.0A	12 6.043	-0.0056	12	-9 17 29.65	-0.013	12	0.25	6.137	16	33.4	29.44	16	33.4	K0	16	4750	A -8 3514
40		9.4A	12 15.317	0.0038	13	-9 56 1.08	0.017	13	0.27	15.253	16	33.4	1.36	16	33.4	G5	16	4752	A -9 3647
41		8.8A	12 16.782	-0.0030	14	-1 45 22.99	-0.010	20	0.29	16.823	17	36.4	22.86	17	36.4	F8	21	3554	A -1 2790
42		9.0A	12 17.749	-0.0025	13	-3 47 27.87	-0.020	13	0.27	17.792	16	33.4	27.54	16	33.4	F5	17	4802	A -3 3431
43		9.0A	12 29.400	0.0002	12	-7 42 32.05	-0.004	12	0.25	29.397	16	33.4	31.98	16	33.4	G5	16	4754	A -7 3571
44		8.7A	12 42.660	-0.0069	14	-2 23 17.62	0.005	20	0.29	42.754	17	36.4	17.69	17	36.4	K0 R	21	3555	A -1 2791
45		8.7A	12 46.700	-0.0032	14	-1 28 55.42	-0.003	20	0.29	46.743	17	36.4	55.37	17	36.4	G5	21	3556	A -0 2672
46		8.2Q	12 53.876	0.0026	07	-7 47 31.56	0.046	06	0.37	53.738	14	96.2	34.15	14	94.0	G5	GC	17944	-7 3572
47		9.0A	13 0.005	0.0039	13	-5 22 15.06	-0.071	13	0.27	-59.941	16	33.4	13.89	16	33.4	F5	17	4804	A -4 3450
48		8.8A	13 9.692	-0.0031	13	-4 26 24.08	-0.008	13	0.27	9.744	16	33.4	24.22	16	33.4	K0	17	4805	A -3 3433
49		8.6A	13 22.730	-0.0015	13	-2 50 50.91	-0.141	13	0.27	22.755	16	33.4	48.57	16	33.4	G5	17	4806	A -2 3659
50		9.0A	13 25.325	0.0004	11	-7 27 22.60	-0.001	11	0.24	25.319	16	33.4	22.59	16	33.4	F2	16	4756	A -6 3773
51		7.5A	13 13 27.528	-0.0059	13	-5 24 16.00	-0.029	13	0.27	27.627	16	33.4	15.53	16	33.4	F8	17	4807	A -4 3452
52		8.9A	13 27.741	0.0008	11	-3 38 31.66	0.004	11	0.24	27.728	16	33.4	31.73	16	33.4	G5	17	4808	A -3 3435
53		9.0A	13 40.368	-0.0011	13	-3 36 10.83	-0.014	13	0.27	40.387	16	33.4	10.60	16	33.4	F5	17	4809	A -3 3437
54		6.5T	13 51.276	-0.0037	10	-1 7 34.94	-0.017	12	0.59	51.483	17	94.1	34.12	19	00.3	F0	GC	17960	-0 2674
55		9.3A	13 51.581	-0.0100	11	-3 31 58.05	-0.027	11	0.24	51.748	16	33.4	57.60	16	33.4	G0 F	17	4810	A -3 3438
56		8.0A	14 4.283	-0.0012	13	-5 18 34.38	-0.078	13	0.27	4.303	16	33.4	33.08	16	33.4	G0	17	4811	A -4 3453
57		8.2T	14 13.396	-0.0013	08	-6 40 17.20	-0.019	07	0.38	13.460	09	02.4	16.30	09	01.8	F5	GC	17973	-6 3776
58		8.3A	14 21.594	0.0007	12	-8 8 30.19	-0.009	12	0.25	21.582	16	33.4	30.04	16	33.4	K5	16	4760	A -7 3577
59		9.0A	14 23.223	0.0011	13	-3 36 7.61	-0.013	13	0.27	23.206	16	33.4	7.40	16	33.4	F5	17	4813	A -3 3442
60		8.7A	14 24.753	0.0020	09	-4 27 41.81	-0.064	09	0.22	24.720	16	33.4	40.75	16	33.4	K2	17	4814	A -3 3443
61		9.1A	14 34.494	-0.0023	12	-8 4 10.73	0.009	12	0.25	34.533	16	33.4	10.88	16	33.4	G0	16	4761	A -7 3579
62		9.1A	14 46.537	-0.0031	09	-2 43 3.90	0.006	09	0.22	46.589	16	33.4	4.00	16	33.4	A5	17	4815	A -2 3662
63		8.8A	14 52.926	-0.0041	14	-1 25 16.15	0.002	20	0.29	52.982	17	36.4	16.17	17	36.4	F0	21	3559	A -0 2675
64		6.3T	14 56.143	-0.0041	09	-0 24 47.11	-0.029	09	0.43	56.338	07	02.4	45.67	09	00.9	F0	GC	17993	-0 3040
65		9.2A	15 0.161	0.0009	12	-9 23 53.81	-0.044	12	0.25	0.146	16	33.4	53.08	16	33.4	G0	16	4763	A -8 3524
66		8.7A	15 0.762	0.0028	13	-6 8 0.71	0.001	13	0.27	0.715	16	33.4	0.73	16	33.4	F5	17	4816	A -5 3665
67		8.8A	15 5.640	-0.0031	13	-8 48 30.58	-0.015	13	0.27	5.691	16	33.4	30.33	16	33.4	K5	16	4765	A -8 3525
68		7.1T	15 6.983	0.0010	06	-8 28 10.17	-0.056	06	0.26	6.941	06	06.4	7.80	06	07.5	F8	GC	17996	-7 3582
69		9.3A	15 16.879	0.0016	11	-5 15 38.38	0.007	11	0.24	16.854	16	33.4	38.51	16	33.4	G5	17	4817	A -4 3455
70		8.9A	15 41.071	-0.0021	12	-9 18 48.96	0.011	12	0.25	41.105	16	33.4	49.14	16	33.4	K0	16	4767	A -8 3527
71		8.1A	15 41.897	-0.0034	11	-5 31 35.15	-0.019	11	0.24	41.954	16	33.4	34.84	16	33.4	F2	17	4818	A -5 3668
72		7.7T	15 57.019	-0.0044	08	-6 0 10.37	-0.007	08	0.48	57.266	15	93.3	9.99	15	93.3	K0	GC	18008	-5 3669
73		8.7A	16 6.639	-0.0008	11	-7 52 48.83	-0.005	11	0.24	6.653	16	33.4	48.75	16	33.4	K0	16	4768	A -7 3587
74		8.8A	16 20.503	-0.0011	14	-2 16 7.53	-0.047	20	0.29	20.518	17	36.4	6.89	17	36.4	F0	21	3561	A -1 2798
75		8.8A	16 24.386	-0.0074	14	-1 0 22.79	-0.063	20	0.29	24.489	17	36.4	21.94	17	36.4	K0	21	3563	A -0 2678
76		9.1A	16 32.433	0.0016	12	-9 45 49.49	-0.013	12	0.25	32.407	16	33.4	49.28	16	33.4	F2	16	4769	A -9 3661
77		9.0A	16 32.656	-0.0010	12	-8 53 53.39	0.001	12	0.25	32.672	16	33.4	53.41	16	33.4	F2	16	4770	A -8 3533
78		9.0A	16 35.232	-0.0015	12	-9 42 38.53	-0.022	12	0.25	35.257	16	33.4	38.17	16	33.4	MA R	16	4771	A -9 3662
79		8.7A	16 47.695	-0.0018	11	-6 47 42.16	0.004	11	0.24	47.725	16	33.4	42.23	16	33.4	K5	16	4772	A -6 3784
80		8.7A	16 59.179	-0.0003	12	-9 31 45.91	0.006	12	0.25	59.184	16	33.4	46.01	16	33.4	F0	16	4773	A -9 3664
81		7.9A	17 8.770	-0.0038	11	-6 16 45.59	-0.017	11	0.24	8.833	16	33.4	45.31	16	33.4	F2	17	4820	A -5 3673
82		8.4A	17 10.244	0.0007	12	-8 50 36.26	-0.018	12	0.25	10.232	16	33.4	35.96	16	33.4	K0	16	4774	A -8 3536
83		9.4A	17 12.497	0.0008	11	-5 41 48.22	0.010	11	0.24	12.484	16	33.4	48.39	16	33.4	K0	17	4821	A -5 3674
84		8.5A	17 44.586	0.0041	12	-8 47 51.17	-0.020	12	0.25	44.518	16	33.4	50.84	16	33.4	G5	16	4775	A -8 3537
85		8.1Q	17 50.316	-0.0002	11	-9 55 43.64	0.005	09	0.50	50.323	18	05.0	43.89	18	01.4	K0	GC	18042	-9 3665
86		9.1A	17 51.789	-0.0067	17	-3 14 0.75	0.002	17	0.32	51.899	16	33.4	0.79	16	33.4	G0 F	17	4822	A -2 3670
87		8.8A	17 58.168	-0.0014	12	-7 13 16.60	-0.022	12	0.25	58.192	16	33.4	16.24	16	33.4	K0	16	4777	A -6 3788
88		8.8A	18 2.802	-0.0053	11	-8 28 44.27	0.014	11	0.24	2.891	16	33.4	44.50	16	33.4	F2	16	4778	A -7 3593
89		8.9A	18 7.207	-0.0020	09	-3 16 19.57	-0.037	09	0.22	7.240	16	33.4	18.96	16	33.4	G8 F	17	4823	A -2 3671
90		8.9A	18 19.487	-0.0009	11	-7 51 21.74	0.007	11	0.24	19.502	16	33.4	21.86	16	33.4	K2	16	4779	A -7 3596
91		9.2A	18 23.140	-0.0038	12	-3 0 40.11	0.008	12	0.25	23.203	16	33.4	40.25	16	33.4	G8 F	17	4824	A -2 3674
92		8.5T	18 24.658	-0.0009	07	-5 24 13.22	-0.022	06	0.39	24.701	17	99.6	11.91	15	92.1	F5	GC	18057	-4 3464
93		7.0T	18 34.977	-0.0072	09	-9 44 17.00	-0.041	07	0.41	35.023	09	01.6	19.12	10	98.3	G5	GC	18062	-9 3669
94		8.8A	18 54.525	-0.0027	09	-3 50 27.93	-0.022	09	0.22	54.571	16	33.4	27.57	16	33.4	K2	17	4826	A -3 3452
95		9.1A	18 57.913	-0.0013	09	-6 25 8.37	-0.018	09	0.22	57.934	16	33.4	8.07	16	33.4	K0 R	17	4827	A -5 3675
96		8.9A	19 13.255	-0.0032	12	-7 29 6.21	-0.014	12	0.25	13.309	16	33.4	5.98	16	33.4	K5	16	4783	A -6 3795
97		9.0A	19 19.602	-0.0039	14	-0 36 43.94	-0.018	20	0.29	19.655	17	36.4	43.69	17	36.4	G5 R	21	3565	A -0 2680
98		8.5A	19 28.954	-0.0146	11	-8 47 51.52	-0.090	11	0.24	29.197	16	33.4	50.03	16	33.4	G0	16	4784	A -8 3540
99		8.2A	19 35.886	0.0010	11	-4 24 5.41	-0.005	11	0.24	35.870	16	33.4	5.33	16	33.4	F8	17	4828	A -3 3453
00		9.4A	19 38.805	-0.0007	14	-0 54 8.71	0.027	20	0.29	38.815	17	36.4	9.07	17	36.4	K0 R	21	3567	A -0 2681

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EPOCH 1950 — ORIGINAL EPOCH — SOURCE — − 0° 13H

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	σ_μ ″.001	σ_{1950} ″	α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	CAT.	STAR NUMBER	DM	DM NUMBER
1		8.5A	13 19 41.517	-0.0004	12	-8 26 18.03	0.019	12	0.25	41.523	16	33.4	18.35	16	33.4	G5	16	4785	A	-7 3599
2		8.6A	19 45.003	0.0011	12	-7 16 49.81	-0.003	12	0.25	44.986	16	33.4	49.76	16	33.4	K0	16	4786	A	-6 3796
3		8.3A	19 54.930	-0.0028	14	-0 19 3.84	-0.027	20	0.29	54.968	17	36.4	3.47	17	36.4	K0	21	3568	A	0 3049
4		6.7T	19 54.934	-0.0056	05	-5 56 20.36	-0.137	05	0.27	55.216	07	99.2	13.36	09	98.8	K0	GC	18097		-5 3678
5		9.3A	20 8.337	-0.0010	12	-9 3 19.65	0.022	12	0.25	8.353	16	33.4	20.02	16	33.4	F8	16	4787	A	-8 3543
6		9.3A	20 8.733	-0.0029	09	-5 46 26.71	-0.001	09	0.22	8.782	16	33.4	26.69	16	33.4	F0	17	4830	A	-5 3679
7		8.9A	20 35.239	-0.0028	11	-5 30 23.29	-0.017	11	0.24	35.306	16	33.4	23.01	16	33.4	K0	17	4831	A	-5 3680
8		5.9T	20 43.231	-0.0014	04	-4 39 48.26	-0.020	03	0.19	43.300	07	00.9	47.23	07	98.2	K0	GC	18109	B*	-4 3469
9		9.0A	20 46.207	-0.0011	14	-1 14 13.35	-0.030	20	0.29	46.222	17	36.4	12.91	17	36.4	K0	R 21	3569	A	-0 2684
10		8.5A	20 47.809	-0.0008	12	-9 8 44.71	-0.016	12	0.25	47.822	16	33.4	44.45	16	33.4	F5	16	4790	A	-8 3544
11		8.6A	20 52.077	-0.0019	09	-3 43 56.47	0.009	09	0.22	52.109	16	33.4	56.62	16	33.4	K2	17	4833	A	-3 3458
12		8.6A	21 9.228	-0.0038	12	-8 14 49.35	0.032	12	0.25	9.291	16	33.4	49.88	16	33.4	K5	16	4791	A	-7 3807
13		8.6A	21 9.330	-0.0048	14	-0 27 30.56	-0.084	20	0.29	9.395	17	36.4	30.23	17	36.4	G5	21	3571K	A	0 3050
14		8.2A	21 20.438	0.0016	13	-4 53 17.57	0.014	13	0.27	20.412	16	33.4	17.81	16	33.4	K0	17	4834	A	-4 3470
15		8.9A	21 31.701	0.0001	11	-3 56 37.89	0.013	11	0.24	31.699	16	33.4	38.11	16	33.4	A0	17	4835	A	-3 3460
16		8.0A	21 31.847	-0.0008	11	-4 16 33.02	-0.031	11	0.24	31.861	16	33.4	32.51	16	33.4	K0	17	4836	A	-3 3459
17		8.3B	21 40.085	-0.0006	09	-1 50 50.22	-0.053	05	0.36	40.112	09	09.1	47.79	10	03.7	G5	GC	18128		-1 2815
18		9.2A	21 47.105	0.0030	12	-9 50 10.73	-0.027	12	0.25	47.055	16	33.4	10.29	16	33.4	G0	R 16	4793	A	-9 3681
19		8.4A	21 47.253	-0.0040	14	-0 3 19.77	-0.065	20	0.29	47.307	17	36.4	18.88	17	36.4	F5	21	3573	A	0 3051
20		8.6A	21 49.289	0.0038	14	-2 3 11.22	-0.158	20	0.29	49.237	17	36.4	9.07	17	36.4	K5	21	3574	A	-1 2816
21		8.5A	21 50.161	0.0001	13	-4 21 21.93	-0.012	13	0.27	50.160	16	33.4	21.73	16	33.4	G	17	4837	A	-3 3461
22		7.1B	21 50.870	-0.0061	10	-4 2 47.76	-0.129	12	0.32	51.107	09	03.5	41.81	10	03.8	K0	GC	18131		-3 3462
23		8.5A	21 55.325	-0.0009	13	-3 55 42.99	-0.020	13	0.27	55.342	16	33.4	42.66	16	33.4	K0	17	4839	A	-5 3684
24		5.8T	21 56.859	0.0104	04	-4 54 11.82	-0.035	03	0.18	56.328	07	98.9	9.99	06	97.5	F2	GC	18135	B*	-4 3472
25		7.6A	22 3.288	0.0011	13	-4 39 22.38	-0.048	13	0.27	3.270	16	33.4	21.59	16	33.4	K2	17	4841	A	-4 3473
26		8.7A	22 11.338	-0.0011	13	-4 59 46.16	0.000	13	0.27	11.357	16	33.4	46.16	16	33.4	K2	17	4843	A	-4 3474
27		8.0A	22 11.687	-0.0015	13	-6 34 48.86	-0.011	13	0.27	11.713	16	33.4	48.68	16	33.4	K2	17	4842	A	-6 3807
28		9.0A	22 12.144	-0.0034	14	-0 13 23.10	-0.025	20	0.29	12.191	17	36.4	22.76	17	36.4	F8	R 21	3575	A	0 3052
29		8.8A	22 24.703	-0.0003	12	-6 49 55.66	0.000	12	0.25	24.708	16	33.4	55.66	16	33.4	K2	16	4797	A	-6 3808
30		8.4A	22 37.392	0.0012	12	-8 31 33.40	-0.003	12	0.25	37.372	16	33.4	33.35	16	33.4	A2	16	4798	A	-8 3550
31		8.5A	22 39.165	-0.0017	14	-1 57 55.52	-0.017	20	0.29	39.188	17	36.4	55.29	17	36.4	F8	21	3576	A	-1 2817
32		8.3B	22 44.116	0.0022	11	-7 19 25.11	-0.031	07	0.43	44.018	09	04.7	23.65	10	02.6	F5	GC	18148K	B*	-6 3811
33		8.8A	23 11.036	-0.0030	14	-0 11 40.19	0.004	20	0.29	11.036	17	36.4	40.25	17	36.4	K0	21	3577	A	0 3053
34		9.2A	23 26.391	0.0017	12	-8 16 31.78	0.011	12	0.25	26.362	16	33.4	31.96	16	33.4	F8	16	4802	A	-7 3614
35		9.5I	23 26.923	0.0005	18	-3 7 8.78	0.006	14	0.70	26.903	18	10.5	9.05	19	06.5	G0	GC	18161V	B*	-2 3683
36		8.0A	23 33.402	-0.0001	11	-3 24 5.42	-0.003	11	0.24	33.403	16	33.4	5.37	16	33.4	K0	17	4845	A	-2 3684
37		6.0T	23 37.574	-0.0076	06	-0 55 58.92	0.000	06	0.26	37.898	06	07.4	58.94	06	09.2	A3	GC	18163		-0 2686
38		9.0A	24 2.374	0.0025	13	-4 11 12.15	-0.018	13	0.27	2.333	16	33.4	11.85	16	33.4	K5	17	4847	A	-3 3468
39		9.3A	24 4.958	0.0021	13	-4 20 38.87	-0.009	13	0.27	4.984	16	33.4	38.72	16	33.4	F8	F 17	4848	A	-3 3469
40		8.3A	24 9.751	-0.0009	13	-6 2 30.58	0.016	13	0.27	9.767	16	33.4	30.65	16	33.4	K0	17	4849	A	-5 3693
41		8.8A	24 13.540	-0.0005	13	-4 21 41.36	-0.001	13	0.27	13.549	16	33.4	41.35	16	33.4	G0	17	4850	A	-3 3470
42		8.0T	24 17.329	-0.0012	07	-5 40 16.83	-0.008	08	0.41	17.391	14	95.9	16.43	14	97.8	A0	GC	18172		-5 3694
43		9.4A	24 20.947	-0.0080	12	-8 22 43.65	0.026	12	0.25	21.097	16	33.4	44.09	16	33.4	K2	R 16	4805	A	-7 3618
44		9.0A	24 51.710	-0.0043	14	-0 48 38.67	-0.022	20	0.29	51.769	17	36.4	38.36	17	36.4	F8	21	3579	A	-0 2690
45		9.0A	24 52.173	-0.0028	12	-8 56 0.90	-0.011	12	0.25	52.220	16	33.4	0.72	16	33.4	G0	16	4806	A	-8 3559
46		9.0A	24 55.488	-0.0008	14	-0 7 5.40	-0.044	20	0.29	55.498	17	36.4	4.79	17	36.4	F8	21	3580	A	0 3060
47		8.0A	25 3.285	0.0018	13	-4 51 39.24	-0.134	13	0.27	3.256	16	33.4	37.02	16	33.4	G8	F 17	4852	A	-4 3485
48		8.0A	25 4.736	-0.0042	11	-6 33 26.38	0.005	11	0.24	4.806	16	33.4	26.46	16	33.4	K0	17	4853	A	-6 3819
49		9.0A	25 10.855	-0.0006	12	-4 42 35.36	-0.033	12	0.25	10.866	16	33.4	34.82	16	33.4	G0	17	4854	A	-4 3487
50		8.0I	25 13.084	0.0005	09	-2 54 50.81	-0.001	08	0.47	13.059	18	00.0	50.77	17	95.1	M3E	GC	18193V	B*	-2 3686
51		8.6A	13 25 29.031	-0.0030	14	-0 3 28.88	-0.043	20	0.29	29.071	17	36.4	28.29	17	36.4	F8	21	3581	A	0 3063
52		9.3A	25 43.303	0.0008	12	-7 24 25.18	-0.011	12	0.25	43.290	16	33.4	25.00	16	33.4	F5	R 16	4809	A	-6 3821
53		7.5T	25 43.672	0.0144	04	-0 34 33.66	-0.411	04	0.24	43.133	09	98.7	10.67	09	94.0	G5	GC	18208	B*	-0 2691
54		8.4G	25 50.529	-0.0011	08	-9 29 7.90	0.003	07	0.37	50.579	10	02.7	8.05	10	01.4	K0	GC	18211		-8 3562
55		9.0A	26 5.151	0.0008	11	-5 57 41.36	-0.020	11	0.24	5.138	16	33.4	41.03	16	33.4	G0	17	4856	A	-5 3701
56		8.0A	26 6.588	0.0002	11	-4 12 26.04	-0.020	11	0.24	6.586	16	33.4	25.71	16	33.4	A3	17	4857	A	-3 3476
57		9.0A	26 21.648	-0.0001	14	-1 0 43.02	-0.093	20	0.29	21.649	17	36.4	41.75	17	36.4	G5	21	3583	A	-0 2693
58		7.0T	26 26.605	-0.0040	07	-5 41 50.39	-0.001	06	0.38	26.822	12	95.2	50.35	12	93.1	K0	GC	18222		-5 3702
59		6.4T	26 40.751	-0.0031	04	-1 6 19.80	-0.066	04	0.21	40.903	09	00.9	16.44	09	99.4	K0	GC	18228	B*	-0 2694
60		9.0A	26 43.430	-0.0009	13	-2 42 9.83	0.005	13	0.27	43.445	16	33.4	9.92	16	33.4	F5	17	4859	A	-2 3689
61		8.9A	26 43.496	-0.0016	11	-8 31 39.42	-0.008	11	0.24	43.524	16	33.4	39.29	16	33.4	K5	16	4812	A	-8 3566
62		9.3A	26 48.398	-0.0031	13	-4 14 32.69	-0.033	13	0.27	48.449	16	33.4	32.15	16	33.4	F8	F 17	4860	A	-3 3481
63		8.7A	27 7.417	-0.0026	13	-4 38 53.78	0.006	13	0.27	7.461	16	33.4	53.88	16	33.4	G0	17	4861	A	-4 3494
64		9.6A	27 11.430	-0.0005	12	-9 14 24.15	0.016	12	0.25	11.438	16	33.4	24.42	16	33.4	K2	R 16	4814	A	-8 3568
65		8.8A	27 12.986	-0.0001	14	-1 8 20.82	-0.029	20	0.29	12.968	17	36.4	20.42	17	36.4	K5	21	3586	A	-0 2696
66		9.1A	27 27.551	-0.0022	13	-3 58 34.09	0.001	13	0.27	27.588	16	33.4	34.11	16	33.4	M3	F 17	4862	A	-3 3482
67		8.2A	27 40.280	-0.0005	14	-1 38 14.31	-0.027	20	0.29	40.286	17	36.4	13.95	17	36.4	A0	21	3588	A	-1 2827
68		9.1A	27 40.853	-0.0006	12	-8 20 3.63	0.002	12	0.25	40.864	16	33.4	3.67	16	33.4	F8	16	4815	A	-7 3631
69		8.8A	27 46.154	-0.0030	11	-7 26 46.75	-0.069	11	0.24	46.205	16	33.4	45.60	16	33.4	G0	16	4816	A	-6 3827
70		6.1T	27 48.983	0.0026	03	-6 12 45.99	0.012	02	0.16	48.846	06	98.0	46.69	06	92.7	A5	GC	18251K	B*	-5 3706
71		9.2A	27 57.357	-0.0008	12	-9 18 28.53	-0.034	12	0.25	57.371	16	33.4	27.97	16	33.4	F0	16	4817	A	-8 3570
72		8.9A	28 8.466	0.0004	12	-8 30 59.14	-0.005	12	0.25	8.459	16	33.4	59.06	16	33.4	K2	16	4818	A	-8 3572
73		8.9G	28 8.689	0.0005	11	-2 1 6.16	-0.037	08	0.45	8.668	15	07.0	4.45	15	03.3	K2	GC	18255		-1 2828
74		8.8A	28 9.509	-0.0025	13	-4 11 59.11	-0.055	13	0.27	9.551	16	33.4	58.20	16	33.4	G5	17	4864	A	-3 3486
75		8.7G	28 15.752	0.0012	10	-9 26 8.18	-0.030	09	0.46	15.697	17	05.8	6.80	17	03.9	F8	GC	18260		-8 3574
76		7.1T	28 16.360	-0.0010	05	-2 47 34.44	0.031	04	0.23	16.405	07	05.1	35.90	09	03.5	K0	GC	18261		-2 3695
77		8.1T	28 16.876	0.0002	10	-7 36 21.19	-0.004	07	0.44	16.869	18	06.9	21.00	18	99.4	K5	GC	18262		-7 3633
78		8.9A	28 24.707	-0.0027	13	-3 15 12.09	0.005	13	0.27	24.752	16	33.4	12.18	16	33.4	K0	17	4866	A	-2 3697
79		8.8A	28 26.443	-0.0031	14	-2 33 33.39	-0.004	20	0.29	26.512	17	36.4	33.34	17	36.4	K0	21	3590	A	-2 3698
80		8.4G	28 35.685	-0.0026	07	-2 0 19.28	-0.015	07	0.39	35.799	15	98.3	18.54	15	99.2	K2	GC	18271		-1 2830
81		8.3A	28 45.414	0.0005	12	-8 50 59.01	0.017	12	0.25	45.406	16	33.4	59.29	16	33.4	A2	16	4821	A	-8 3576
82		8.9A	28 50.149	0.0018	13	-3 44 58.41	-0.003	13	0.27	50.120	16	33.4	58.36	16	33.4	K0	17	4868	A	-3 3489
83		8.7A	28 52.219	-0.0176	12	-7 44 55.40	-0.125	12	0.25	52.513	16	33.4	53.32	16	33.4	G5	16	4822	A	-7 3635
84		7.3T	29 8.027	-0.0555	06	-2 3 52.03	0.255	05	0.37	11.529	09	86.9	+ 8.43	09	85.8	G5	GC	18284	B*	-1 2832
85		8.9A	29 10.765	-0.0005	14	-0 58 54.31	-0.063	20	0.29	10.772	17	36.4	53.46	17	36.4	K5	21	3593	A	-0 2700
86		8.7A	29 11.701	-0.0019	13	-4 24 42.37	-0.029	13	0.27	11.733	16	33.4	41.89	16	33.4	M1	F 17	4869	A	-3 3490
87		9.3A	29 15.324	0.0061	12	-9 9 1.84	-0.091	12	0.25	15.222	16	33.4	0.33	16	33.4	G0	16	4824	A	-8 3577
88		8.2A	29 15.739	-0.0001	13	-5 45 26.19	-0.032	13	0.27	15.740	16	33.4	25.66	16	33.4	K2	17	4870	A	-5 3713
89		8.8A	29 19.628	-0.0022	11	-7 19 48.58	0.003	11	0.24	19.665	16	33.4	48.63	16	33.4	K2	16	4825	A	-6 3832
90		4.8T	29 21.721	-0.0069	02	-5 59 53.73	-0.047	02	0.14	22.104	06	94.1	50.98	06	91.1	M0	GC	18288	B*	-5 3714
91		8.9A	29 23.916	-0.0003	13	-5 30 34.10	-0.025	13	0.27	23.922	16	33.4	33.69	16	33.4	A5	17	4872	A	-5 3715
92		8.7A	29 35.866	0.0017	13	-2 50 37.54	-0.008	13	0.27	35.837	16	33.4	37.41	16	33.4	F0	R 17	4873	A	-2 3701
93		8.5A	29 40.685	-0.0034	13	-3 18 32.00	0.002	13	0.27	40.741	16	33.4	32.03	16	33.4	F5	17	4875	A	-2 3703
94		9.6A	29 41.117	0.0004	12	-7 47 27.31	0.008	12	0.25	41.111	16	33.4	27.44	16	33.4	G0	R 16	4826	A	-7 3638
95		8.6A	29 45.314	-0.0008	11	-7 10 50.11	0.016	11	0.24	43.325	16	33.4	50.38	16	33.4	G5	16	4827	A	-6 3834
96		9.0A	29 46.886	-0.0003	09	-4 12 34.97	-0.025	09	0.22	46.893	16	33.4	34.56	16	33.4	K0	F 17	4876	A	-3 3491
97		9.2A	29 52.944	-0.0017	13	-5 41 19.46	-0.025	13	0.27	52.973	16	33.4	19.05	16	33.4	F0	17	4877	A	-5 3717
98		8.8A	29 57.479	0.0000	12	-9 56 45.26	-0.018	12	0.25	57.478	16	33.4	44.96	16	33.4	F2	16	4828	A	-9 3710
99		8.6A	30 2.109	0.0009	14	-2 20 29.17	-0.014	20	0.29	2.097	17	36.4	28.98	17	36.4	K2	21	3595	A	-1 2833
00		9.3A	30 9.341	-0.0014	12	-8 54 59.22	-0.007	11	0.24	9.364	16	33.4	59.10	16	33.4	G5P	16	4829	A	-8 3580

139400			EPOCH 1950								ORIGINAL EPOCH						SP.	SOURCE		- 0° 13H
NUMBER	MAGNITUDES m_{pg}	m_v	α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	σ'_μ ″.001	σ_{1950} ″	α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.		CAT.	STAR NUMBER	DM	NUMBER
1		5.4T	13 30 19.814	-0.0023	02	-9 54 28.93	-0.041	02	0.12	19.925	05	00.9	26.82	05	98.9	G5	GC	18309	B*	-9 3711
2		7.9Q	30 22.473	-0.0028	07	-2 10 4.39	-0.019	06	0.37	22.625	14	96.1	3.31	14	92.9	K0	GC	18311K		-1 2834
3		6.0I	30 23.507	0.0031	07	-6 56 18.60	-0.010	06	0.44	23.320	18	90.4	18.15	17	85.9	M&E	GC	18312V	B*	-6 3837
4		9.0A	30 33.245	-0.0024	11	-3 31 20.23	0.005	11	0.24	33.285	16	33.4	20.32	16	33.4	K2	17	4879	A	-3 3493
5		7.2T	30 34.516	-0.0168	10	-8 11 15.48	0.049	10	0.48	35.300	09	03.2	17.76	10	03.3	G0	GC	18318		-7 3639
6		9.2A	30 35.548	-0.0027	13	-3 44 2.88	-0.035	13	0.27	35.592	16	33.4	2.30	16	33.4	G5	17	4880	A	-3 3494
7		7.1T	30 47.578	-0.0052	04	-7 21 59.21	-0.001	03	0.20	47.822	09	02.7	59.15	09	98.9	F0	GC	18323	B*	-6 3839
8		7.7T	30 49.901	0.0008	12	-8 10 44.75	-0.002	13	0.66	49.856	17	96.6	44.64	18	99.7	G5	GC	18326		-7 3642
9		8.6A	30 53.958	-0.0009	13	-5 24 18.43	-0.018	13	0.27	53.973	16	33.4	18.14	16	33.4	F0	17	4881	A	-4 3506
10		9.2A	30 56.269	-0.0003	09	-2 40 5.17	0.000	09	0.22	56.274	16	33.4	5.17	16	33.4	M0 F	17	4882	A	-2 3706
11		9.0A	31 10.079	-0.0013	14	-1 10 7.01	-0.006	20	0.29	10.097	17	36.4	6.93	17	36.4	G5 R	21	3597	A	-0 2705
12		9.0A	31 13.504	0.0003	12	-7 1 41.72	0.004	12	0.25	13.499	16	33.4	41.78	16	33.4	G5 R	16	4836	A	-6 3840
13		8.7A	31 26.597	0.0022	13	-2 37 19.15	-0.005	13	0.27	26.561	16	33.4	19.07	16	33.4	F0	17	4883	A	-2 3708
14		8.9A	31 38.858	0.0005	13	-4 42 5.63	-0.008	13	0.27	38.849	16	33.4	5.49	16	33.4	F8	17	4884	A	-4 3508
15		7.4T	31 40.306	-0.0057	08	-8 21 44.84	-0.023	06	0.39	40.583	12	01.0	43.61	14	96.7	F8	GC	18337K	B*	-7 3643
16		7.4T	31 43.037	-0.0160	06	-0 3 30.62	0.017	05	0.34	43.883	15	97.1	31.67	12	90.4	K0	GC	18338K	B*	0 3075
17		8.3A	31 48.240	-0.0013	09	-4 6 38.45	-0.009	09	0.22	48.261	16	33.4	38.30	16	33.4	K0	17	4885	A	-3 3497
18		8.0A	32 4.014	0.0003	12	-8 51 3.97	-0.019	11	0.24	4.008	16	33.4	3.65	16	33.4	K0	16	4838	A	-8 3584
19		9.0A	32 6.611	-0.0186	12	-8 5 6.74	-0.098	12	0.25	6.921	16	33.4	5.11	16	33.4	K2	16	4839	A	-7 3646
20		3.4H	32 8.554	-0.0191	01	-0 20 27.51	0.036	01	0.04	9.384	02	06.6	29.07	02	06.4	A2	F4	501		0 3076
21		8.9A	32 9.134	-0.0046	12	-7 45 50.15	-0.013	12	0.25	9.210	16	33.4	49.93	16	33.4	F5	16	4840	A	-7 3647
22		8.9A	32 16.417	-0.0002	12	-8 46 57.85	-0.017	12	0.25	16.420	16	33.4	57.56	16	33.4	K5	16	4842	A	-8 3586
23		8.0A	32 27.354	-0.0019	12	-6 42 44.27	-0.018	12	0.25	27.385	16	33.4	43.97	16	33.4	K2	16	4843	A	-6 3843
24		8.7A	32 38.308	-0.0005	12	-8 38 46.06	-0.000	12	0.25	38.317	16	33.4	46.06	16	33.4	K0	16	4844	A	-8 3589
25		8.6A	32 38.545	-0.0029	14	-2 19 3.70	-0.033	20	0.29	38.584	17	36.4	3.25	17	36.4	F2	21	3603	A	-1 2838
26		9.0A	32 45.817	-0.0152	14	-2 13 24.91	-0.060	20	0.29	46.024	17	36.4	24.10	17	36.4	G0 R	21	3604	A	-1 2839
27		8.3Q	32 48.696	-0.0018	09	-4 40 43.24	-0.052	08	0.43	48.779	17	03.9	40.74	15	02.0	F8	GC	18364K		-4 3514
28		5.7H	32 55.011	0.0009	02	-5 8 31.82	0.079	02	0.06	54.983	04	18.3	34.62	04	14.7	K0	F4	1352		-4 3515
29		8.7A	32 56.384	0.0010	13	-4 8 5.41	-0.023	13	0.27	56.367	16	33.4	5.03	16	33.4	K5	17	4890	A	-3 3501
30		8.0A	33 6.745	0.0002	11	-5 54 3.57	-0.013	11	0.24	6.742	16	33.4	3.35	16	33.4	B8	17	4891	A	-5 3730
31		9.0A	33 13.666	0.0001	14	-2 27 57.84	-0.016	20	0.29	13.664	17	36.4	57.62	17	36.4	K0 R	21	3605	A	-1 2840
32		8.1Q	33 15.932	-0.0062	10	-9 31 47.30	-0.013	08	0.46	16.226	17	02.3	46.62	17	98.7	F2	GC	18374		-9 3725
33		8.5A	33 18.507	-0.0026	14	-0 42 34.90	-0.031	20	0.29	18.546	17	36.4	34.48	17	36.4	K5	21	3606	A	-0 2708
34		8.9A	33 22.050	-0.0007	12	-8 19 31.22	0.013	12	0.25	22.062	16	33.4	31.43	16	33.4	K2	16	4849	A	-7 3652
35		8.8A	33 25.520	0.0005	14	-0 19 21.32	-0.040	20	0.29	25.514	17	36.4	20.77	17	36.4	K5	21	3607	A	0 3079
36		8.9A	33 33.995	-0.0032	12	-7 50 53.34	0.017	12	0.25	34.048	16	33.4	53.62	16	33.4	K0	16	4851	A	-7 3654
37		7.0T	33 41.220	-0.0152	08	-0 40 31.95	-0.060	08	0.41	41.927	12	03.5	29.14	12	02.9	F8	GC	18382	B*	-0 2710
38		8.7A	33 43.699	-0.0006	09	-2 41 3.04	-0.018	09	0.22	43.709	16	33.4	2.75	16	33.4	F0	17	4893	A	-2 3711
39		8.5A	33 59.717	-0.0022	14	-2 15 42.01	-0.021	20	0.29	59.747	17	36.4	41.73	17	36.4	K5	21	3609	A	-1 2842
40		8.6A	34 9.635	0.0002	14	-1 0 21.43	-0.023	20	0.29	9.633	17	36.4	21.12	17	36.4	K2	21	3610	A	-0 2713
41		8.9A	34 10.378	-0.0010	12	-6 18 12.59	0.003	12	0.25	10.394	16	33.4	12.64	16	33.4	K0 R	17	4894	A	-5 3734
42		9.0A	34 12.771	-0.0011	12	-7 59 53.63	0.006	12	0.25	12.789	16	33.4	53.73	16	33.4	G5	16	4852	A	-7 3659
43		9.1A	34 33.327	-0.0018	11	-4 59 57.78	-0.007	11	0.24	33.356	16	33.4	57.66	16	33.4	F2	17	4895	A	-4 3519
44		8.8A	34 36.532	0.0011	12	-6 52 55.47	-0.000	12	0.25	36.513	16	33.4	55.46	16	33.4	K5	16	4855	A	-6 3850
45		8.7A	34 38.815	-0.0016	12	-5 38 10.16	-0.001	12	0.25	38.841	16	33.4	10.14	16	33.4	K2	17	4896	A	-5 3735
46		8.2A	34 46.487	-0.0028	13	-4 32 58.16	-0.031	13	0.27	46.534	16	33.4	57.64	16	33.4	A5	17	4897	A	-4 3521
47		7.1T	34 57.840	-0.0008	04	-7 37 2.04	-0.004	03	0.22	57.884	09	92.4	1.79	09	89.1	K2	GC	18413K	B*	-7 3661
48		8.2Q	35 1.674	-0.0044	09	-6 23 53.08	0.009	08	0.41	1.878	09	03.2	53.51	10	02.1	F0	GC	18415		-5 3737
49		6.7T	35 11.692	0.0004	05	-2 58 53.89	-0.031	05	0.28	11.672	09	98.2	52.21	09	95.6	K0	GC	18420		-2 3714
50		9.0A	35 13.156	-0.0015	14	-0 22 17.99	-0.025	20	0.29	13.176	17	36.4	17.64	17	36.4	A2	21	3613	A	0 3084
51		8.8A	13 35 18.550	0.0002	14	-1 50 7.81	-0.018	20	0.29	18.547	17	36.4	7.57	17	36.4	F5	21	3614	A	-1 2844
52		9.3Q	35 21.522	-0.0018	09	-1 19 12.48	-0.006	10	0.48	21.604	18	04.6	12.22	17	04.7	K5	GC	18423		-0 2714
53		9.1A	35 41.202	-0.0034	14	-1 2 1.90	0.005	20	0.29	41.248	17	36.4	1.97	17	36.4	K0 R	21	3616	A	-0 2716
54		9.4A	35 41.496	-0.0030	09	-6 32 39.29	-0.023	09	0.22	41.547	16	33.4	38.90	16	33.4	G0 F	17	4900	A	-6 3853
55		8.7A	35 41.754	0.0001	12	-8 50 15.29	0.010	12	0.25	41.752	16	33.4	15.45	16	33.4	K2	16	4860	A	-8 3602
56		8.8A	35 50.480	-0.0036	14	-0 44 48.43	0.008	20	0.29	50.529	17	36.4	48.54	17	36.4	G0	21	3618	A	-0 2717
57		9.0A	35 53.561	0.0007	14	-2 18 55.36	-0.025	20	0.29	53.552	17	36.4	55.02	17	36.4	K0	21	3619	A	-1 2846
58		8.7Q	35 55.308	-0.0051	09	-3 27 9.00	-0.032	08	0.44	55.546	15	03.5	7.45	14	01.5	G5	GC	18443		-2 3716
59		8.8A	35 55.642	-0.0010	12	-8 54 41.17	-0.008	12	0.25	55.659	16	33.4	41.03	16	33.4	F8	16	4862	A	-8 3604
60		8.7A	35 55.735	-0.0010	12	-7 21 0.58	-0.038	12	0.25	55.752	16	33.4	-59.95	16	33.4	G5	16	4863	A	-6 3855
61		8.1A	36 2.015	-0.0041	12	-9 37 56.33	0.001	12	0.25	2.082	16	33.4	56.35	16	33.4	K2	16	4864	A	-9 3735
62		8.4A	36 2.629	-0.0024	12	-8 10 2.00	-0.004	12	0.25	2.668	16	33.4	1.93	16	33.4	F8	16	4865	A	-7 3663
63		8.9A	36 4.276	-0.0033	12	-8 13 25.71	0.036	12	0.25	4.331	16	33.4	26.30	16	33.4	G5	16	4866	A	-7 3664
64		9.3A	36 7.881	-0.0046	14	-0 59 1.57	-0.065	20	0.29	7.943	17	36.4	0.69	17	36.4	G5 R	21	3620	A	-0 2719
65		8.5A	36 19.552	-0.0016	14	-2 16 38.84	0.020	20	0.29	19.574	17	36.4	39.11	17	36.4	K5	21	3621	A	-1 2847
66		9.1A	36 30.362	0.0006	11	-2 58 46.21	0.024	11	0.24	30.353	16	33.4	46.61	16	33.4	G5	17	4903	A	-2 3718
67		8.4A	36 38.827	-0.0006	13	-5 26 13.11	-0.012	13	0.27	38.836	16	33.4	12.92	16	33.4	A0	17	4904	A*	-4 3527
68		8.0A	36 44.322	-0.0026	12	-9 5 31.80	-0.006	12	0.25	44.366	16	33.4	31.70	16	33.4	K2	16	4868	A	-8 3608
69		8.3A	36 55.865	-0.0000	12	-9 51 37.74	0.017	11	0.24	55.865	16	33.4	38.02	16	33.4	K0	16	4869	A	-9 3737
70		9.3A	36 59.785	-0.0057	09	-4 44 29.69	0.010	09	0.22	59.880	16	33.4	29.85	16	33.4	G2 F	17	4905	A	-4 3531
71		9.0A	37 1.276	-0.0020	14	-0 58 15.25	-0.015	20	0.29	1.304	17	36.4	15.05	17	36.4	K0	21	3622	A	-0 2721
72		8.4A	37 5.283	-0.0024	12	-9 59 39.95	0.025	12	0.25	5.322	16	33.4	40.36	16	33.4	K2	16	4870	A	-9 3738
73		8.3A	37 15.562	0.0001	12	-9 1 54.63	-0.000	12	0.25	15.560	16	33.4	54.63	16	33.4	G5	16	4872	A	-8 3610
74		9.2A	37 17.411	-0.0009	12	-8 26 37.39	0.025	12	0.25	17.427	16	33.4	37.80	16	33.4	K0	16	4873	A	-7 3669
75		9.0A	37 30.364	-0.0050	14	-1 21 47.81	-0.039	20	0.29	30.433	17	36.4	47.28	17	36.4	G5	21	3623	A	-0 2722
76		9.0A	37 32.681	-0.0257	09	-3 56 23.34	0.495	09	0.22	33.108	16	33.4	31.58	16	33.4	K5	17	4906	A	-3 3508
77		9.0A	37 38.339	-0.0030	14	-2 7 6.57	-0.030	20	0.29	38.380	17	36.4	6.16	17	36.4	K0	21	3624	A	-1 2848
78		8.9A	37 39.513	-0.0007	12	-7 45 59.33	-0.002	12	0.25	39.525	16	33.4	59.30	16	33.4	F0	16	4874	A	-7 3670
79		9.2A	37 42.423	-0.0062	12	-9 2 40.29	-0.010	12	0.25	42.559	16	33.4	40.12	16	33.4	K0 R	16	4875	A	-8 3611
80		8.0A	37 49.056	-0.0001	09	-4 59 34.48	0.025	09	0.22	49.057	16	33.4	34.89	16	33.4	F5	17	4907	A	-4 3533
81		9.0A	37 57.389	-0.0025	12	-8 23 25.28	0.034	12	0.25	57.430	16	33.4	25.84	16	33.4	K5	16	4876	A	-7 3671
82		9.0A	37 59.129	-0.0026	13	-6 1 19.20	-0.008	13	0.27	59.172	16	33.4	19.07	16	33.4	G0 R	17	4908	A	-5 3745
83		9.3A	38 19.917	0.0001	12	-8 52 4.07	0.003	12	0.25	19.915	16	33.4	4.12	16	33.4	G5 R	16	4877	A	-8 3612
84		8.7A	38 19.928	0.0003	12	-8 24 58.13	-0.021	12	0.25	19.922	16	33.4	57.78	16	33.4	G0	16	4878	A	-7 3672
85		9.3A	38 23.003	-0.0029	12	-5 42 0.52	-0.051	12	0.25	23.051	16	33.4	-59.67	16	33.4	G0 R	17	4909	A	-5 3746
86		8.5A	38 26.488	-0.0021	13	-6 6 6.44	-0.039	13	0.27	26.523	16	33.4	5.79	16	33.4	F5	17	4910	A	-5 3747
87		9.1A	38 44.782	-0.0028	12	-8 4 24.48	-0.007	12	0.25	44.828	16	33.4	24.36	16	33.4	G5	16	4880	A	-7 3673
88		9.2A	38 56.072	0.0007	12	-8 33 47.34	0.011	12	0.25	56.061	16	33.4	47.52	16	33.4	K0	16	4881	A	-8 3615
89		9.2A	38 56.988	0.0008	13	-3 30 45.96	0.002	13	0.27	56.954	16	33.4	46.00	16	33.4	K5 R	17	4911	A	-3 3513
90		5.2H	38 59.047	-0.0067	01	-8 27 5.13	0.035	01	0.04	59.300	02	12.3	6.52	02	10.0	M0	F4	1355		-7 3674
91		9.2A	39 2.775	0.0002	12	-3 45 0.18	-0.038	12	0.25	2.771	16	33.4	-59.55	16	33.4	K0	17	4912	A	-3 3514
92		8.7A	39 7.720	-0.0115	11	-3 46 35.13	-0.062	11	0.24	7.912	16	33.4	34.10	16	33.4	G5	17	4913	A	-3 3515
93		8.3A	39 10.484	0.0007	12	-7 18 14.59	-0.015	12	0.25	10.473	16	33.4	14.34	16	33.4	F5	16	4883	A	-6 3868
94		9.1A	39 14.584	-0.0004	13	-4 17 0.20	-0.001	13	0.27	14.590	16	33.4	0.19	16	33.4	K0	17	4914	A	-3 3516
95		8.7A	39 17.930	0.0005	12	-9 25 8.89	-0.000	12	0.25	17.921	16	33.4	8.89	16	33.4	G5	16	4884	A	-8 3618
96		8.5A	39 25.061	-0.0011	12	-6 43 1.62	0.012	12	0.25	25.080	16	33.4	1.81	16	33.4	K0	16	4885	A	-6 3870
97		8.4A	39 28.896	0.0006	12	-8 51 31.89	0.001	12	0.25	28.886	16	33.4	31.90	16	33.4	K0	16	4886	A	-8 3620
98		8.7A	39 44.141	-0.0002	13	-5 25 17.51	-0.066	13	0.27	44.145	16	33.4	16.42	16	33.4	K0	17	4915	A	-4 3535
99		9.1A	40 8.348	-0.0048	12	-5 1 57.90	-0.022	13	0.26	8.427	16	33.4	57.54	16	33.4	G5	17	4916	A	-4 3536
00		8.0A	40 19.574	-0.0059	14	-2 13 0.75	0.011	20	0.29	19.654	17	36.4	0.90	17	36.4	K0	21	3626	A	-1 2851

139500 — 0° 13H

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	EPOCH 1950 μ s	EPOCH 1950 σ_μ ″.001	EPOCH 1950 δ_{1950} ° ′ ″	EPOCH 1950 μ' ″	EPOCH 1950 $\sigma_{\mu'}$ ″.001	EPOCH 1950 σ_{1950} ″	ORIGINAL EPOCH α_2 s	ORIGINAL EPOCH σ ″.01	ORIGINAL EPOCH ep.	ORIGINAL EPOCH δ_2 ″	ORIGINAL EPOCH σ' ″.01	ORIGINAL EPOCH ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	DM NUMBER
1		9.8A	13 40 20.474	-0.0025	12	-9 21 51.75	0.011	12	0.25	20.515	16	33.4	51.93	16	33.4	F5	16	4888	A -8 3621
2		9.1A	40 20.676	0.0007	12	-7 3 12.11	-0.021	12	0.25	20.865	16	33.4	11.76	16	33.4	F8	16	4889	A -6 3673
3		8.3A	40 23.453	-0.0006	14	-0 57 23.93	0.000	20	0.29	23.481	17	36.4	23.93	17	36.4	K0	21	3627	A -0 2727
4		9.3A	40 25.249	-0.0046	12	-7 3 58.98	0.029	12	0.25	25.325	16	33.4	59.46	16	33.4	G5	16	4890	A -6 3674
5		9.2A	40 28.818	-0.0027	12	-7 46 4.90	-0.082	12	0.25	28.864	16	33.4	3.87	16	33.4	G5	16	4891	A -7 3678
6		8.9A	40 32.446	-0.0050	12	-8 56 45.53	-0.023	12	0.25	32.529	16	33.4	45.14	16	33.4	G5	16	4893	A -8 3623
7		7.0T	40 34.598	-0.0028	05	-7 1 22.73	-0.028	04	0.22	34.716	07	04.9	21.92	08	00.9	K2	GC	18553K	B* -3 3522
8		8.3A	40 37.832	-0.0030	12	-7 10 38.78	-0.046	12	0.25	37.882	16	33.4	38.18	16	33.4	K2	16	4894	A -6 3675
9		8.8A	41 3.718	-0.0018	12	-5 20 57.24	-0.012	12	0.25	3.747	16	33.4	57.05	16	33.4	K0	17	4918	A -4 3536
10		8.5A	41 4.085	0.0007	11	-3 16 24.76	-0.048	11	0.24	4.054	16	33.4	23.97	16	33.4	G0	17	4919	A -2 3723
11		9.1A	41 4.139	-0.0187	12	-9 13 22.53	-0.108	12	0.25	4.470	16	33.4	20.76	16	33.4	K0	16	4895	A -8 3684
12		9.0A	41 4.988	-0.0018	12	-7 7 46.06	0.015	12	0.25	4.986	16	33.4	46.31	16	33.4	K2	16	4896	A -8 3676
13		9.0A	41 6.884	-0.0043	13	-5 56 9.54	-0.037	13	0.27	6.955	16	33.4	8.92	16	33.4	F8	17	4920	A -5 3755
14		9.4A	41 7.417	-0.0002	12	-7 45 50.80	-0.013	12	0.25	7.420	16	33.4	50.58	16	33.4	K0	16	4897	A -7 3682
15		9.4A	41 11.080	-0.0008	12	-9 36 39.80	-0.072	12	0.25	11.073	16	33.4	38.80	16	33.4	G0	16	4898	A -9 3757
16		8.5T	41 17.929	-0.0036	03	-5 14 52.05	-0.023	03	0.15	18.089	05	04.9	51.01	05	04.6	A0	GC	18562	B* -4 3540
17		8.9A	41 24.547	0.0031	12	-7 30 52.23	0.012	12	0.25	24.495	16	33.4	52.45	16	33.4	G5	16	4899	A -7 3684
18		9.2A	41 25.712	-0.0016	14	-1 17 18.84	-0.012	20	0.29	25.734	17	36.4	18.68	17	36.4	K0	21	3628	A* -0 2731
19		8.7A	41 34.920	-0.0001	12	-8 14 14.11	-0.000	12	0.25	34.921	16	33.4	14.10	16	33.4	K0	16	4900	A -7 3685
20		9.0A	41 37.868	0.0012	12	-9 28 54.59	-0.027	12	0.25	37.868	16	33.4	54.14	16	33.4	G0	16	4901	A -8 3686
21		9.0A	41 47.678	0.0020	13	-5 23 18.10	-0.005	13	0.27	47.644	16	33.4	18.02	16	33.4	G5	17	4922	A -4 3542
22		9.2A	41 48.037	-0.0014	12	-9 34 11.14	0.005	12	0.25	48.060	16	33.4	11.35	16	33.4	G0	16	4902	A -9 3759
23		8.9A	41 59.127	-0.0086	12	-9 5 3.92	-0.000	12	0.25	59.236	16	33.4	3.92	16	33.4	G0	16	4903	A -8 3826
24		8.8A	42 4.606	-0.0018	13	-4 32 56.66	0.002	13	0.27	4.635	16	33.4	57.02	16	33.4	F8	17	4923	A -4 3543
25		8.7A	42 9.472	-0.0006	12	-5 54 44.93	-0.041	12	0.25	9.482	16	33.4	44.25	16	33.4	G5	17	4924	A -5 3796
26		8.7A	42 9.657	0.0001	12	-3 16 57.49	-0.014	12	0.25	9.656	16	33.4	57.26	16	33.4	K5	17	4925	A -2 3726
27		7.1T	42 19.386	-0.0086	04	-7 23 2.35	0.003	04	0.22	19.510	09	02.3	2.50	09	98.7	K0	GC	18579	B* -6 3678
28		7.5A	42 20.394	-0.0028	13	-5 45 7.23	-0.011	13	0.27	20.441	16	33.4	7.41	16	33.4	K0	17	4926	A -5 3758
29		9.0A	42 29.728	-0.0012	14	-0 31 20.45	-0.017	20	0.29	29.744	17	36.4	20.22	17	36.4	K0	21	3629	A -0 2733
30		8.3G	42 35.172	-0.0017	09	-3 3 51.65	-0.006	07	0.42	35.254	15	01.6	51.36	14	99.9	A5	GC	18586K	-2 3727
31		9.1A	42 40.312	-0.0018	12	-3 33 13.97	-0.048	12	0.25	40.342	16	33.4	13.17	16	33.4	G5	17	4928	A -3 3529
32		8.4A	42 58.725	0.0028	11	-9 20 39.39	-0.010	09	0.23	58.678	16	33.4	39.22	16	33.4	F0	16	4908	A -8 3833
33		9.0A	43 3.045	-0.0009	13	-4 53 32.34	-0.013	13	0.27	3.060	16	33.4	32.12	16	33.4	F5	17	4930	A -4 3554
34		8.9A	43 16.932	-0.0005	11	-7 32 37.37	-0.006	11	0.24	16.941	16	33.4	37.27	16	33.4	F5	17	4909	A -7 3684
35		8.8A	43 20.918	-0.0013	09	-6 12 10.80	-0.036	12	0.24	20.940	16	33.4	10.20	16	33.4	G0	17	4931	A -5 3780
36		9.5A	43 28.996	-0.0002	15	-2 34 46.72	-0.033	15	0.30	28.999	16	33.4	46.18	16	33.4	G5	F 17	4932	A -2 3730
37		8.0A	43 42.937	0.0020	11	-4 37 35.68	-0.008	11	0.24	42.904	16	33.4	35.74	16	33.4	K5	17	4933	A -4 3555
38		8.6A	43 43.723	0.0015	12	-8 11 15.33	-0.069	12	0.25	43.698	16	33.4	14.18	16	33.4	K0	16	4911	A -7 3688
39		9.3G	43 46.518	-0.0290	22	-0 12 29.01	-0.036	22	0.93	47.702	18	09.2	27.54	17	09.6	K0	GC	18612	0 3088
40		9.0A	43 48.872	0.0001	14	-0 58 45.91	-0.009	20	0.29	48.871	17	36.4	45.79	17	36.4	A2	21	3631	A -0 2736
41		9.1A	43 53.262	-0.0006	11	-2 35 36.94	-0.002	11	0.24	53.273	16	33.4	36.91	16	33.4	K0	17	4934	A -2 3731
42		8.9A	44 11.578	-0.0023	12	-4 24 0.95	0.016	12	0.25	11.616	16	33.4	1.21	16	33.4	F5	17	4935	A -3 3530
43		8.5A	44 16.819	0.0026	13	-5 11 44.79	-0.016	13	0.27	16.776	16	33.4	44.53	16	33.4	K5	17	4936	A -4 3557
44		6.2T	44 34.625	0.0003	04	-9 27 34.44	-0.042	03	0.21	34.608	07	00.0	32.18	07	96.5	K0	GC	18630	B* -8 3639
45		8.5A	44 43.264	-0.0001	11	-8 15 9.75	-0.004	11	0.24	43.265	16	33.4	9.35	16	33.4	G8	16	4913	A -7 3700
46		7.7G	44 44.235	-0.0005	09	-2 11 40.15	-0.012	08	0.41	44.260	14	03.1	39.59	14	02.3	B8	GC	18634	-1 2858
47		8.9A	44 47.083	-0.0006	09	-3 44 31.82	-0.013	12	0.24	47.102	16	33.4	32.04	16	33.4	G5	17	4937	A -3 3532
48		6.9T	44 48.363	-0.0053	05	-9 27 21.90	-0.010	04	0.24	48.610	10	03.1	21.37	10	97.0	A3	GC	18635	-5 3762
49		9.0A	44 55.127	0.0026	11	-8 13 40.95	-0.159	09	0.25	55.084	16	33.4	38.31	16	33.4	G5	16	4915	A -7 3702
50		9.2A	45 10.269	-0.0006	09	-3 44 25.39	-0.019	09	0.22	10.279	16	33.4	25.08	16	33.4	K2	17	4939	A -3 3533
51		8.8A	13 45 13.804	-0.0003	12	-9 56 2.99	0.013	12	0.25	13.808	16	33.4	3.21	16	33.4	F0	16	4916	A -9 3777
52		9.2A	45 18.572	0.0002	14	-0 20 45.86	-0.025	20	0.29	18.570	17	36.4	45.52	17	36.4	A0	21	3636	A 0 3102
53		8.6A	45 19.994	-0.0038	13	-5 20 56.76	-0.033	13	0.27	20.057	16	33.4	56.22	16	33.4	K0	17	4940	A -4 3560
54		8.9A	45 20.164	-0.0023	13	-2 54 45.03	-0.007	15	0.28	20.203	16	33.4	44.91	16	33.4	F0	17	4941	A -2 3732
55		8.8A	45 20.439	-0.0005	11	-8 32 26.39	0.011	11	0.24	20.447	16	33.4	26.57	16	33.4	K0	16	4917	A -8 3641
56		8.0A	45 24.484	-0.0073	12	-7 46 28.75	-0.104	12	0.25	24.606	16	33.4	27.02	16	33.4	G0	16	4918	A -7 3704
57		9.0A	45 31.516	0.0008	14	-1 19 46.96	-0.040	20	0.29	31.506	17	36.4	46.42	17	36.4	F8	21	3638	A -0 2738
58		9.0A	45 34.415	-0.0019	11	-6 59 27.11	-0.000	11	0.24	34.446	16	33.4	27.10	16	33.4	F8	16	4920	A -6 3686
59		6.6T	45 40.815	-0.0027	04	-6 35 18.80	-0.021	03	0.19	40.945	07	00.8	17.70	07	98.1	K0	GC	18645	B* -6 3687
60		8.0A	45 49.824	0.0041	11	-4 27 33.12	-0.156	11	0.24	49.755	16	33.4	30.53	16	33.4	G0	17	4943	A -3 3535
61		9.2A	45 50.246	-0.0049	14	-0 20 21.77	-0.015	20	0.29	50.312	17	36.4	21.57	17	36.4	G0	21	3639	A* 0 3103
62		8.3A	45 55.104	-0.0010	12	-5 11 2.46	-0.006	13	0.26	55.121	16	33.4	2.37	16	33.4	A5	17	4944K	A -4 3562
63		8.8A	45 58.700	-0.0034	12	-0 46 26.37	-0.020	20	0.29	58.747	17	36.4	26.10	17	36.4	F0	21	3640	A -0 2741
64		6.8T	46 3.661	-0.0006	09	-2 35 30.91	-0.010	07	0.47	3.627	14	91.9	30.32	14	90.3	K2	GC	18654	-2 3737
65		8.9A	46 4.262	-0.0010	12	-5 18 22.29	-0.008	12	0.25	4.278	16	33.4	22.16	16	33.4	K0	17	4946	A -2 3738
66		8.9A	46 9.877	-0.0003	11	-9 18 43.97	0.027	11	0.24	9.881	16	33.4	44.42	16	33.4	A3	16	4922	A -8 3642
67		7.9A	46 11.462	-0.0028	12	-7 56 29.49	-0.050	12	0.25	11.508	16	33.4	28.66	16	33.4	K2	16	4923	A -7 3706
68		9.0A	46 12.661	-0.0018	13	-2 55 49.04	-0.006	13	0.27	12.692	16	33.4	48.94	16	33.4	F2	17	4947	A -2 3739
69		9.1A	46 18.224	-0.0001	12	-3 55 30.46	-0.006	12	0.25	18.225	16	33.4	30.37	16	33.4	A5	17	4948	A -3 3536
70		8.5A	46 24.087	-0.0101	14	-1 20 38.86	-0.055	20	0.29	24.225	17	36.4	38.12	17	36.4	K0	21	3642	A -0 2743
71		9.4A	46 32.239	-0.0002	12	-9 56 42.65	-0.016	12	0.25	32.242	16	33.4	42.38	16	33.4	G0	R 16	4924	A -9 3784
72		8.7A	46 35.793	-0.0004	09	-7 3 54.11	0.003	09	0.22	35.799	16	33.4	54.16	16	33.4	K5	16	4925	A -6 3889
73		8.4A	46 40.324	-0.0006	13	-5 22 56.80	-0.003	13	0.27	40.333	16	33.4	56.76	16	33.4	K2	17	4949	A -4 3563
74		8.8A	46 42.444	-0.0045	14	-1 40 52.00	0.001	20	0.29	42.505	17	36.4	52.02	17	36.4	K2	21	3643	A -1 2860
75		9.0A	46 54.960	-0.0010	12	-8 0 17.35	-0.023	12	0.25	54.976	16	33.4	16.96	16	33.4	A3	16	4926	A -7 3708
76		8.8A	46 58.272	-0.0022	11	-8 57 2.49	0.005	11	0.24	58.309	16	33.4	2.57	16	33.4	K5	16	4927	A -8 3644
77		9.3A	46 58.882	-0.0025	09	-2 48 3.86	-0.012	09	0.22	58.901	16	33.4	3.67	16	33.4	F2	17	4950	A -2 3742
78		9.4A	47 16.671	-0.0015	09	-2 28 35.06	0.024	09	0.22	16.695	16	33.4	33.46	16	33.4	F0	17	4951	A -2 3744
79		8.8A	47 24.274	-0.0027	12	-7 51 48.21	0.006	12	0.25	24.319	16	33.4	48.31	16	33.4	K0	16	4928	A -7 3710
80		9.0A	47 49.153	0.0000	13	-5 14 26.76	-0.006	13	0.27	49.152	16	33.4	26.66	16	33.4	F8	17	4952	A -4 3567
81		7.4T	47 54.757	-0.0010	07	-7 21 2.37	-0.045	06	0.38	54.808	12	96.4	59.81	12	93.3	K0	GC	18699	-6 3692
82		8.0A	47 59.623	-0.0025	12	-6 55 21.96	0.020	12	0.25	59.665	16	33.4	22.29	16	33.4	A3	16	4931	A -6 3893
83		9.2A	48 1.001	-0.0007	12	-7 52 47.22	-0.023	12	0.25	1.013	16	33.4	46.84	16	33.4	F8	R 16	4932	A -7 3711
84		7.0T	48 12.939	0.0002	07	-7 32 13.67	-0.031	06	0.35	12.927	09	00.0	12.05	09	98.0	K0	GC	18707	-7 3712
85		9.5A	48 29.794	0.0005	09	-2 39 58.80	-0.071	08	0.24	29.786	16	33.4	57.63	16	33.4	G5	17	4953	A -2 3746
86		8.5A	48 30.286	-0.0046	14	-2 33 0.26	0.012	20	0.29	30.329	17	36.4	0.43	17	36.4	A0	21	3645	A -2 3747
87		8.2A	48 39.671	-0.0005	12	-4 36 48.29	-0.002	12	0.25	39.679	16	33.4	48.25	16	33.4	K0	17	4955	A -4 3571
88		8.8A	48 45.233	-0.0007	13	-5 32 48.70	-0.050	13	0.27	45.245	16	33.4	47.86	16	33.4	K2	17	4956	A -5 3766
89		9.2A	48 46.388	-0.0011	09	-4 36 59.10	0.010	09	0.22	46.406	16	33.4	59.26	16	33.4	K0	17	4957	A -4 3573
90		8.8A	48 51.264	-0.0022	11	-7 0 27.23	-0.017	11	0.24	51.301	16	33.4	26.95	16	33.4	K0	16	4936	A -6 3896
91		9.0A	48 55.856	-0.0016	13	-4 31 55.07	0.011	13	0.27	55.863	16	33.4	55.25	16	33.4	F2	17	4958	A -4 3574
92		7.9A	49 6.893	-0.0048	11	-6 55 34.18	-0.002	11	0.24	6.772	16	33.4	34.14	16	33.4	G5	16	4937	A -6 3897
93		9.0A	49 11.120	-0.0001	12	-5 25 19.30	-0.022	12	0.25	11.121	16	33.4	18.93	16	33.4	K2	17	4959	A -4 3577
94		9.3A	49 15.948	-0.0001	11	-3 25 43.76	-0.013	11	0.24	15.947	16	33.4	45.55	16	33.4	M8	17	4960	A -2 3749
95		9.4A	49 18.713	-0.0006	09	-2 41 8.75	0.016	09	0.22	18.724	16	33.4	9.02	16	33.4	K5	17	4961	A -2 3750
96		8.8A	49 41.224	-0.0012	14	-1 15 34.26	-0.023	20	0.29	41.241	17	36.4	33.95	17	36.4	K5	21	3647	A -0 2752
97		8.8A	49 43.072	-0.0015	11	-7 37 13.22	0.007	11	0.24	43.098	16	33.4	13.33	16	33.4	G5	16	4938	A -7 3716
98		8.9A	49 45.735	-0.0005	13	-3 35 3.12	0.003	13	0.27	45.743	16	33.4	3.17	16	33.4	K5	17	4962	A -3 3544
99		9.0A	49 50.267	0.0001	14	-2 6 30.92	-0.052	20	0.29	50.266	17	36.4	30.22	17	36.4	G0	21	3648	A -1 2869
00		8.5A	49 58.651	0.0018	12	-4 49 26.94	0.003	12	0.25	58.621	16	33.4	26.99	16	33.4	F8	17	4963	A -4 3580

139600

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	EPOCH 1950 μ s	EPOCH 1950 σ_μ ″.001	EPOCH 1950 δ_{1950} ° ′ ″	EPOCH 1950 μ' ″	EPOCH 1950 $\sigma_{\mu'}$ ″.001	EPOCH 1950 σ_{1950} ″	ORIGINAL EPOCH α_2 s	ORIGINAL EPOCH σ ″.01	ORIGINAL EPOCH ep.	ORIGINAL EPOCH δ_2 ″	ORIGINAL EPOCH σ' ″.01	ORIGINAL EPOCH ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	SOURCE DM NUMBER
1		8.3A	13 50 16.918	-0.0009	13	-6 14 34.06	0.003	13	0.27	16.933	16	33.4	34.11	16	33.4	F0	17	4964	A -5 3774
2		8.4A	50 21.484	-0.0046	12	-7 29 3.82	0.008	12	0.25	21.561	16	33.4	3.95	16	33.4	K2	16	4940	A -7 3719
3		7.5T	50 36.446	0.0001	08	-3 17 45.04	-0.041	07	0.37	36.441	09	00.5	42.99	09	99.8	F8	GC	18760	-2 3752
4		8.9A	50 37.886	-0.0002	12	-7 51 3.04	0.012	12	0.25	37.889	16	33.4	3.23	16	33.4	G5	16	4941	A -7 3721
5		7.5A	51 0.857	0.0026	12	-5 56 29.12	-0.076	12	0.25	0.813	16	33.4	27.85	16	33.4	G0	17	4966	A -5 3775
6		8.9A	51 15.512	-0.0009	09	-8 35 41.79	-0.049	09	0.22	15.527	16	33.4	40.97	16	33.4	G5	16	4942	A -8 3657
7		8.1Q	51 16.673	0.0033	12	-8 14 15.48	-0.053	12	0.57	16.519	12	04.0	13.03	14	03.9	G5	GC	18779	-7 3723
8		8.8A	51 32.284	-0.0012	14	-0 42 41.02	0.026	20	0.29	32.310	17	36.4	41.38	17	36.4	K0	21	3650	A -0 2755
9		8.3A	51 32.720	-0.0057	14	-1 43 10.62	-0.049	20	0.29	32.797	17	36.4	9.96	17	36.4	F8	21	3649	A -1 2874
10		8.5A	51 33.342	-0.0009	09	-5 31 40.56	-0.005	09	0.22	33.357	16	33.4	40.47	16	33.4	K5	17	4967	A -5 3776
11		8.5A	51 45.248	-0.0040	12	-2 45 31.71	-0.099	12	0.25	45.314	16	33.4	30.07	16	33.4	F5	17	4968	A -2 3758
12		7.8A	52 6.442	-0.0010	12	-4 12 46.03	-0.026	13	0.26	6.459	16	33.4	45.59	16	33.4	F8	17	4969	A -3 3547
13		5.3T	52 7.925	-0.0055	03	-1 15 28.42	-0.029	03	0.18	8.227	06	95.2	26.80	06	93.6	K0	GC	18800	B* -0 2758
14		9.0A	52 7.976	-0.0001	12	-9 38 59.18	0.023	12	0.25	7.977	16	33.4	59.56	16	33.4	K0	16	4944	A -9 3802
15		8.6A	52 16.909	-0.0039	14	-2 8 6.74	0.000	20	0.29	16.962	17	36.4	6.74	17	36.4	F8	21	3652	A -1 2875
16		8.6A	52 17.924	-0.0025	14	-0 51 44.71	-0.021	20	0.29	17.958	17	36.4	44.43	17	36.4	K5	21	3653	A -0 2760
17		8.0A	52 19.657	-0.0012	12	-5 37 53.32	0.003	12	0.25	19.676	16	33.4	53.37	16	33.4	K2	17	4970	A -5 3777
18		6.5Q	52 20.600	-0.0118	04	-7 48 48.53	-0.035	03	0.20	21.219	07	97.3	46.51	07	92.5	F8	GC	18807K	B* -7 3728
19		8.4A	52 21.872	-0.0081	13	-5 29 9.03	-0.060	13	0.27	22.006	16	33.4	8.04	16	33.4	G5	17	4971	A -5 3778
20		5.8A	52 28.751	-0.0016	12	-9 19 43.52	-0.016	12	0.25	28.778	16	33.4	43.25	16	33.4	K5	16	4946	A -8 3661
21		9.2A	52 48.761	-0.0022	12	-7 39 14.70	0.016	12	0.25	48.798	16	33.4	14.96	16	33.4	K5	16	4947	A -7 3731
22		8.3A	52 48.939	0.0004	11	-4 7 40.12	0.019	12	0.24	48.932	16	33.4	40.43	16	33.4	K5	17	4972	A -3 3549
23		8.4A	52 53.479	-0.0022	14	-1 12 18.39	-0.033	20	0.29	53.510	17	36.4	17.95	17	36.4	K5	21	3654	A -0 2764
24		9.1A	53 2.434	-0.0041	14	-1 3 31.00	-0.005	20	0.29	2.490	17	36.4	30.93	17	36.4	F2	21	3655	A -0 2765
25		8.8A	53 3.550	-0.0041	13	-4 23 25.20	-0.010	13	0.27	3.618	16	33.4	25.04	16	33.4	F8	17	4973	A -3 3551
26		6.9T	53 8.929	-0.0019	06	-9 18 55.40	-0.006	05	0.25	9.008	07	07.7	55.14	07	07.5	K5	GC	18823	-8 3667
27		6.8T	53 13.912	0.0006	08	-9 30 40.17	0.004	06	0.34	13.883	09	04.6	40.35	10	02.2	F5	GC	18827	-9 3804
28		7.0T	53 24.698	-0.0000	11	-3 25 1.31	-0.003	12	0.58	24.699	14	00.3	1.17	14	02.0	K2	GC	18829	-2 3761
29		8.9Q	53 29.897	-0.0006	08	-4 22 23.18	0.020	06	0.37	29.925	15	05.1	24.30	14	93.9		GC	18831K	-3 3552
30		8.8Q	53 30.380	0.0022	09	-4 22 20.30	0.025	06	0.42	30.278	17	03.3	21.60	17	98.1	F8	GC	18832K	B* -3 3552
31		9.0A	53 32.376	-0.0046	13	-6 15 2.56	-0.002	13	0.27	32.452	16	33.4	2.52	16	33.4	K0	17	4976	A -5 3779
32		9.0A	53 32.524	-0.0019	13	-3 59 4.76	0.016	13	0.27	32.556	16	33.4	5.02	16	33.4	F8	17	4977	A -3 3553
33		9.0A	53 33.644	-0.0017	12	-7 3 36.09	0.013	12	0.25	33.672	16	33.4	36.30	16	33.4	A0	16	4951	A -6 3904
34		9.0A	53 35.570	-0.0011	14	-0 8 54.46	-0.006	20	0.29	35.585	17	36.4	54.37	17	36.4	K2	21	3656	A 0 3110
35		8.3A	53 45.493	0.0012	13	-6 10 6.65	-0.002	13	0.27	45.472	16	33.4	6.61	16	33.4	F8	17	4978	A -5 3780
36		9.0A	53 52.620	-0.0090	13	-5 37 39.69	-0.023	13	0.27	52.770	16	33.4	39.31	16	33.4	K0	17	4979	A -5 3781
37		8.9A	53 54.004	0.0003	12	-6 59 36.10	-0.000	12	0.25	53.999	16	33.4	36.10	16	33.4	B9	16	4953	A -6 3906
38		8.7A	53 54.386	-0.0001	11	-8 18 46.59	0.026	11	0.24	54.387	16	33.4	47.02	16	33.4	F2	16	4952	A -7 3736
39		9.0A	53 56.955	0.0007	12	-5 51 15.16	-0.005	12	0.25	56.943	16	33.4	15.07	16	33.4	K0	17	4980	A -5 3782
40		7.9Q	53 57.749	-0.0171	07	-9 47 22.83	-0.039	06	0.38	58.590	17	00.7	20.71	15	95.9	F8	GC	18844	-9 3807
41		8.9A	54 7.185	0.0036	12	-7 3 50.14	-0.272	12	0.25	7.124	16	33.4	45.61	16	33.4	K0	16	4956	A -6 3907
42		9.0A	54 8.749	-0.0015	11	-4 36 27.17	0.015	11	0.24	8.774	16	33.4	27.42	16	33.4	K0	17	4981	A -4 3592
43		9.0A	54 9.862	-0.0043	14	-0 38 30.50	-0.016	20	0.29	9.921	17	36.4	30.29	17	36.4	G0	21	3658	A -0 2766
44		9.0A	54 10.809	0.0008	11	-2 58 37.54	0.005	11	0.24	10.797	16	33.4	37.63	16	33.4	K5	17	4982	A -2 3763
45		9.0A	54 20.342	-0.0020	14	-0 10 8.45	-0.039	20	0.29	20.369	17	36.4	7.92	17	36.4	K0	21	3660	A 0 3114
46		8.8A	54 22.758	-0.0014	11	-7 12 14.88	-0.004	11	0.24	22.781	16	33.4	14.81	16	33.4	K0	16	4958	A -6 3908
47		9.0A	54 49.018	-0.0023	14	-0 5 45.87	0.002	20	0.29	49.050	17	36.4	45.90	17	36.4	F8	21	3661	A 0 3115
48		8.1Q	55 2.758	-0.0002	07	-5 14 17.48	0.017	07	0.40	2.766	14	98.3	18.37	15	98.1	F5	GC	18867	-4 3594
49		9.0A	55 4.381	-0.0012	13	-2 32 36.48	-0.052	13	0.27	4.402	16	33.4	35.62	16	33.4	F8	17	4984K	A -2 3765
50		8.7A	55 12.551	-0.0057	11	-3 33 50.77	-0.000	11	0.24	12.645	16	33.4	50.77	16	33.4	G0	17	4985	A -3 3558
51		8.5A	13 55 18.369	-0.0054	14	-2 4 29.34	-0.037	20	0.29	18.442	17	36.4	28.84	17	36.4	K2	21	3663	A -1 2882
52		9.1A	55 21.459	-0.0006	09	-4 24 31.26	-0.019	09	0.22	21.468	16	33.4	30.95	16	33.4	G5	17	4986	A -3 3559
53		8.2A	55 22.194	0.0011	13	-4 8 35.52	-0.000	13	0.27	22.176	16	33.4	35.52	16	33.4	K5	17	4987	A -3 3560
54		9.0A	55 23.613	0.0017	12	-9 50 49.66	-0.004	12	0.25	23.585	16	33.4	49.59	16	33.4	F0	16	4959	A -9 3817
55		8.8A	55 33.792	0.0005	11	-8 48 36.14	0.017	11	0.24	33.783	16	33.4	36.42	16	33.4	G0	16	4960	A -8 3672
56		9.1A	55 45.766	-0.0015	09	-6 9 51.80	-0.018	09	0.22	45.791	16	33.4	51.50	16	33.4	K5	F 17	4989	A -5 3787
57		8.3A	55 45.986	-0.0008	11	-6 37 39.65	-0.026	11	0.24	46.000	16	33.4	39.22	16	33.4	F2	17	4988	A -6 3910
58		9.2A	56 2.109	0.0004	09	-8 57 57.91	-0.017	09	0.22	2.102	16	33.4	57.62	16	33.4	K5	16	4962	A -8 3673
59		8.5A	56 16.143	-0.0044	12	-6 19 29.19	-0.011	12	0.25	16.216	16	33.4	29.00	16	33.4	F8	17	4990	A -5 3789
60		7.0T	56 22.150	0.0005	09	-6 40 53.73	-0.063	09	0.43	22.124	07	02.8	50.80	09	03.6	G5	GC	18902	-6 3911
61		8.9A	56 27.170	-0.0018	12	-6 22 9.21	0.007	12	0.25	27.200	16	33.4	9.32	16	33.4	K0	17	4991	A -5 3791
62		9.1A	56 40.755	0.0014	11	-7 25 9.91	-0.004	11	0.24	40.732	16	33.4	9.84	16	33.4	B9	16	4966	A -6 3912
63		7.3T	56 50.678	0.0041	09	-5 10 44.36	-0.211	08	0.43	50.477	09	01.4	33.74	09	99.6	F8	GC	18912	-4 3597
64		8.8A	56 51.038	0.0010	13	-4 36 41.75	-0.002	13	0.27	51.022	16	33.4	41.71	16	33.4	K5	17	4993	A -4 3598
65		8.8A	57 4.143	-0.0021	12	-9 24 6.63	0.023	12	0.25	4.177	16	33.4	7.01	16	33.4	K5	16	4968	A -8 3675
66		6.3H	57 13.616	-0.0020	02	-3 18 25.29	-0.064	02	0.06	13.665	04	25.3	23.54	04	22.5	F5	F4	1362	-2 3768
67		9.1A	57 19.878	0.0013	09	-9 4 26.82	0.003	09	0.22	19.857	16	33.4	26.87	16	33.4	K2	16	4969	A -8 3676
68		9.0A	57 25.326	-0.0002	14	-1 21 48.66	0.002	20	0.29	25.328	17	36.4	48.69	17	36.4	K0	21	3667	A -0 2772
69		6.6T	57 26.310	-0.0018	04	-7 55 9.10	-0.053	04	0.20	26.394	07	02.2	6.46	07	00.3	K0	GC	18924	-7 3748
70		8.8A	57 51.413	-0.0014	12	-7 2 35.77	-0.039	12	0.25	51.436	16	33.4	35.12	16	33.4	F5	16	4971	A -6 3916
71		8.1A	57 54.065	-0.0004	12	-8 6 26.07	0.014	12	0.25	54.071	16	33.4	26.30	16	33.4	A0	16	4972	A -7 3750
72		8.9A	57 54.267	-0.0004	13	-6 8 58.11	-0.022	13	0.27	54.273	16	33.4	57.74	16	33.4	F5	17	4995	A -5 3794
73		8.5A	58 5.778	-0.0021	14	-1 50 29.23	0.009	20	0.29	5.807	17	36.4	29.36	17	36.4	A5	21	3669	A -1 2888
74		9.0A	58 12.628	-0.0017	14	-1 32 53.53	0.004	20	0.29	12.651	17	36.4	53.59	17	36.4	K0	21	3670	A -1 2890
75		8.1Q	58 13.151	0.0006	07	-7 49 47.01	-0.007	07	0.39	13.118	14	99.2	46.64	14	97.0	K0	GC	18933	-7 3751
76		8.5A	58 13.793	-0.0020	13	-4 40 35.51	-0.002	13	0.27	13.826	16	33.4	35.47	16	33.4	K0	17	4997	A -4 3601
77		8.5A	58 14.196	0.0023	09	-4 58 10.42	-0.019	09	0.22	14.160	16	33.4	10.10	16	33.4	F2	17	4996	A -4 3600
78		8.0A	58 16.271	0.0010	13	-6 30 12.48	-0.086	13	0.27	16.254	16	33.4	11.04	16	33.4	F5	17	4998	A -6 3917
79		8.4A	58 23.733	0.0017	12	-8 12 51.88	0.008	12	0.25	23.705	16	33.4	52.01	16	33.4	K0	16	4976	A -7 3753
80		9.2A	58 28.193	-0.0049	14	-2 15 28.29	-0.096	20	0.29	28.260	17	36.4	26.99	17	36.4	G0	21	3671	A -1 2891
81		8.5A	58 27.831	0.0011	11	-6 52 27.18	0.007	11	0.24	27.812	16	33.4	27.29	16	33.4	F0	16	4977	A -6 3918
82		8.6A	58 28.436	-0.0020	13	-6 13 48.97	-0.037	13	0.27	28.452	16	33.4	48.35	16	33.4	K5	17	4999	A -5 3795
83		8.9A	58 31.852	-0.0005	12	-9 0 41.68	-0.084	12	0.25	31.860	16	33.4	40.28	16	33.4	K0	16	4978	A -8 3678
84		8.6A	58 58.755	0.0008	12	-9 41 57.24	0.006	12	0.25	58.745	16	33.4	57.34	16	33.4	F0	16	4980	A -9 3832
85		8.8A	59 0.283	-0.0034	12	-7 52 52.35	0.001	12	0.25	0.319	16	33.4	52.36	16	33.4	K5	16	4981	A -7 3754
86		9.5A	59 5.794	-0.0042	12	-4 4 30.44	-0.041	12	0.25	5.884	16	33.4	29.75	16	33.4	G0	F 17	5001	A -3 3567
87		8.3A	59 6.649	-0.0004	13	-5 25 32.77	-0.008	13	0.27	6.655	16	33.4	32.65	16	33.4	K2	17	5000	A -4 3604
88		9.0A	59 9.446	0.0007	09	-8 30 9.00	-0.004	11	0.23	9.435	16	33.4	8.93	16	33.4	K0	16	4982	A -8 3680
89		8.5A	59 10.156	-0.0039	12	-8 2 45.63	0.087	12	0.25	10.221	16	33.4	47.07	16	33.4	G0	16	4983	A -7 3755
90		9.0A	59 13.266	-0.0011	13	-6 9 9.86	-0.016	13	0.27	13.284	16	33.4	9.59	16	33.4	F2	17	5002	A -5 3796
91		9.0A	59 50.851	-0.0022	11	-4 39 25.88	-0.020	13	0.26	50.887	16	33.4	25.54	16	33.4	F2	17	5003	A -4 3607
92		8.6A	59 57.075	0.0018	14	-1 57 16.29	-0.029	20	0.29	57.050	17	36.4	15.90	17	36.4	G5	21	3675	A -1 2894
93		9.0A	14 0 0.537	0.0003	13	-2 52 27.36	0.005	13	0.27	0.532	16	33.4	27.45	16	33.4	K0	17	5004	A -2 3772
94		9.0A	0 7.815	-0.0005	14	-1 41 33.16	-0.038	20	0.29	7.822	17	36.4	32.67	17	36.4	K0	21	3677	A -1 2896
95		9.0A	0 13.785	-0.0023	13	-3 32 50.25	-0.032	13	0.27	13.824	16	33.4	49.71	16	33.4	K0	17	5005	A -3 3568
96		8.7A	0 16.706	-0.0012	14	-2 8 8.13	0.003	20	0.29	16.722	17	36.4	8.17	17	36.4	K0	21	3678	A -1 2897
97		8.5A	0 20.924	-0.0027	11	-9 16 8.17	-0.011	11	0.24	20.969	16	33.4	7.98	16	33.4	F5	16	4986	A -8 3685
98		8.0A	0 21.196	-0.0016	13	-6 16 14.06	-0.021	13	0.27	21.222	16	33.4	13.71	16	33.4	F0	17	5006	A -5 3798
99		8.0A	0 24.996	-0.0007	11	-4 42 17.78	-0.024	11	0.24	25.008	16	33.4	17.38	16	33.4	K5	17	5007	A -4 3609
00		7.8A	0 38.866	-0.0118	12	-6 53 58.48	-0.013	12	0.25	39.063	16	33.4	58.26	16	33.4	F5	16	4987	A -6 3921

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139700

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ_α s	σ_{μ_α} .001	δ_{1950} ° ′ ″	μ_δ ″	σ_{μ_δ} .001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ .01	ep.	δ_2 ″	σ' .01	ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	DM	NUMBER
1		9.0A	14 0 46.881	-0.0111	12	-3 37 33.78	-0.003	12	0.25	47.065	16	33.4	33.73	16	33.4	G5	17	5008	A	-3 3569
2		8.4A	0 50.572	0.0017	14	-0 23 16.94	-0.018	20	0.29	50.550	17	36.4	16.68	17	36.4	F0	21	3680	A	0 3128
3		9.0A	1 17.192	-0.0017	11	-4 40 51.45	0.014	11	0.24	17.221	16	33.4	51.68	16	33.4	A2	17	5009	A	-4 3613
4		7.3A	1 18.171	-0.0012	12	-9 30 21.46	0.022	12	0.25	18.190	16	33.4	21.82	16	33.4	K0	16	4999	A	-9 3841
5		9.0A	1 21.751	-0.0053	13	-3 17 6.57	0.001	13	0.27	21.840	16	33.4	6.59	16	33.4	F8	17	5010	A	-2 3777
6		8.5A	1 25.508	0.0028	13	-3 44 53.10	-0.162	13	0.27	25.462	16	33.4	50.40	16	33.4	G5	17	5011	A	-3 3572
7		8.7A	1 26.714	-0.0018	12	-7 6 16.25	0.008	12	0.25	26.743	16	33.4	16.38	16	33.4	K5	16	4990	A	-6 3824
8		8.5A	1 28.351	-0.0001	14	-0 7 23.23	-0.018	20	0.29	28.353	17	36.4	22.97	17	36.4	F5	21	3682	A	0 3130
9		8.8A	1 29.517	-0.0029	13	-6 32 54.98	0.005	13	0.27	29.565	16	33.4	55.06	16	33.4	F	R 17	5012	A	-6 3825
10		8.6A	1 35.389	-0.0046	13	-6 13 41.15	-0.023	13	0.27	35.474	16	33.4	40.77	16	33.4	F2	R 17	5013	A	-5 3788
11		6.7T	1 37.715	-0.0008	10	-5 8 30.81	-0.015	11	0.50	37.750	07	03.2	30.11	10	02.9	K0	GC	18996	A	-4 3614
12		8.1A	1 40.317	-0.0008	12	-9 17 23.70	-0.027	12	0.25	40.331	16	33.4	23.25	16	33.4	K0	16	4992	A	-8 3808
13		6.5T	1 42.367	-0.0028	04	-9 1 5.80	-0.009	04	0.21	42.501	07	01.5	5.34	07	00.3	A0	GC	18998	A	-8 3809
14		9.1A	1 46.476	-0.0004	12	-9 32 53.15	-0.031	12	0.25	46.483	16	33.4	52.63	16	33.4	G0	16	4994	A	-9 3843
15		9.0A	1 50.672	-0.0034	13	-2 49 1.06	-0.005	13	0.27	50.726	16	33.4	0.98	16	33.4	K5	17	5015	A	-2 3779
16		8.8A	2 0.797	-0.0005	13	-5 35 24.25	-0.005	13	0.27	0.805	16	33.4	24.16	16	33.4	K0	17	5016	A	-5 3801
17		9.0A	2 9.815	-0.0031	12	-9 21 21.12	-0.002	09	0.24	9.867	16	33.4	21.08	16	33.4	F5	16	4995	A	-8 3881
18		8.2G	2 11.325	-0.0032	08	-6 18 48.96	-0.021	05	0.41	11.495	14	96.3	47.68	12	89.1	F0	GC	19003K	B*	-5 3802
19		8.8A	2 14.973	-0.0021	12	-6 9 16.51	-0.027	12	0.25	15.008	16	33.4	16.06	16	33.4	F8	17	5018	A	-5 3804
20		8.6A	2 16.867	-0.0009	14	-0 13 8.83	-0.013	20	0.29	16.880	17	36.4	8.65	17	36.4	K0	21	3683	A	0 3131
21		8.2A	2 20.242	-0.0053	12	-6 38 9.97	0.054	12	0.25	20.329	16	33.4	10.86	16	33.4	G5	16	4998	A	-6 3829
22		9.0A	2 20.681	-0.0040	14	-0 44 52.25	-0.016	20	0.29	20.955	17	36.4	52.04	17	36.4	F5	21	3684	A	-0 2779
23		9.0A	2 24.525	-0.0009	12	-9 32 40.01	-0.016	12	0.25	24.540	16	33.4	39.74	16	33.4	F5	16	4999	A	-9 3844
24		9.4A	2 25.143	-0.0007	09	-4 13 47.39	-0.007	09	0.22	25.154	16	33.4	47.28	16	33.4	F8	F 17	5019	A	-3 3574
25		8.1G	2 31.880	-0.0072	09	-8 48 35.30	-0.016	07	0.40	32.205	17	04.7	34.48	15	99.5	G0	GC	19011		-8 3893
26		7.5A	2 34.608	-0.0048	12	-7 2 15.45	-0.019	12	0.25	34.688	16	33.4	15.13	16	33.4	K0	16	5002	A	-6 3930
27		9.1A	2 35.390	-0.0003	12	-9 41 42.22	-0.025	12	0.25	35.395	16	33.4	41.80	16	33.4	K5	16	5001	A	-9 3846
28		8.7A	2 41.465	-0.0025	14	-0 40 39.13	-0.021	20	0.29	41.499	17	36.4	38.85	17	36.4	F8	21	3685	A	-0 2780
29		8.2A	2 44.670	-0.0072	11	-7 45 29.83	-0.001	11	0.24	44.790	16	33.4	29.81	16	33.4	G0	16	5003	A	-7 3762
30		9.1A	3 3.059	-0.0017	12	-9 55 44.56	0.016	12	0.25	3.087	16	33.4	44.82	16	33.4	K2	16	5004	A	-9 3847
31		9.3G	3 29.697	-0.0004	12	-7 20 28.13	-0.098	11	0.54	29.713	15	05.5	18.67	15	04.5	G5	GC	19028		-6 3933
32		6.6H	3 38.658	-0.0001	01	-8 39 13.93	0.017	01	0.06	38.662	03	15.6	14.51	03	14.7	A0	F4	1366		-8 3696
33		8.7A	3 42.548	-0.0013	13	-5 51 53.21	-0.004	13	0.27	42.569	16	33.4	53.14	16	33.4	K2	17	5020	A	-5 3806
34		8.0A	3 48.039	0.0014	09	-3 55 32.49	-0.004	09	0.22	48.017	16	33.4	32.42	16	33.4	K2	17	5021	A	-3 3580
35		8.6A	3 54.274	0.0003	12	-9 51 30.57	0.011	12	0.25	54.269	16	33.4	30.75	16	33.4	K5	16	5007	A	-9 3851
36		5.5T	4 3.906	-0.0096	03	-9 4 32.68	0.006	02	0.15	4.421	06	96.2	33.00	06	94.8	F3	GC	19041	B*	-8 3897
37		8.2T	4 5.588	-0.0278	08	-5 16 44.90	-0.083	08	0.45	7.092	12	95.8	40.40	12	95.6	K0	GC	19042		-4 3616
38		8.0A	4 14.976	0.0014	11	-4 44 33.49	-0.016	11	0.24	14.952	16	33.4	33.22	16	33.4	K0	17	5023	A	-4 3618
39		7.9A	4 29.439	-0.0062	12	-8 12 7.52	0.022	12	0.25	29.541	16	33.4	7.88	16	33.4	F8	16	5009	A	-7 3770
40		9.0A	4 38.425	-0.0033	11	-7 52 40.54	-0.002	11	0.24	38.479	16	33.4	40.50	16	33.4	F8	16	5010	A	-7 3771
41		9.0A	4 43.364	-0.0026	14	-0 50 3.90	-0.079	20	0.29	43.399	17	36.4	2.83	17	36.4	G	21	3686	A	-0 2783
42		8.8A	4 53.163	0.0007	14	-0 48 54.81	-0.020	20	0.29	53.154	17	36.4	54.54	17	36.4	G5	R 21	3687	A	-0 2784
43		8.4A	4 59.183	-0.0020	14	-0 50 23.02	-0.048	20	0.29	59.211	17	36.4	22.37	17	36.4	K0	21	3688	A	-0 2786
44		9.0A	5 14.764	0.0021	13	-6 3 36.37	-0.032	13	0.27	14.728	16	33.4	35.83	16	33.4	G0	17	5024	A	-5 3811
45		8.8A	5 22.770	-0.0041	09	-1 54 4.33	-0.036	11	0.22	22.826	17	36.4	3.84	17	36.4	F5	21	3691	A	-1 2907
46		8.5A	5 26.611	-0.0032	11	-4 30 29.87	0.002	11	0.24	26.664	16	33.4	29.90	16	33.4	A5	17	5025	A	-4 3623
47		8.1A	5 33.191	0.0006	09	-0 48 41.52	-0.039	11	0.22	33.183	17	36.4	40.99	17	36.4	K0	21	3692	A	-0 2787
48		9.0A	5 45.609	-0.0023	13	-4 19 38.47	0.010	13	0.27	45.646	16	33.4	38.64	16	33.4	K0	17	5026	A	-3 3583
49		8.4A	5 46.812	-0.0002	09	-3 17 47.67	-0.046	09	0.22	46.815	16	33.4	46.91	16	33.4	K0	17	5027	A	-2 3769
50		8.9A	5 48.245	-0.0013	13	-2 41 57.83	-0.034	13	0.27	48.267	16	33.4	57.27	16	33.4	F5	17	5029	A	-2 3790
51		9.6A	14 5 49.124	-0.0041	09	-4 33 15.41	-0.002	09	0.22	49.193	16	33.4	15.37	16	33.4	K0	F 17	5028	A	-4 3625
52		9.4A	5 56.360	-0.0021	12	-4 29 40.60	-0.027	12	0.25	56.394	16	33.4	40.15	16	33.4	G0	F 17	5030	A	-4 3626
53		8.2A	5 58.503	-0.0013	11	-8 37 31.27	-0.009	11	0.24	58.524	16	33.4	31.11	16	33.4	M8	16	5013	A	-8 3705
54		8.8A	6 6.653	-0.0047	12	-9 33 59.84	0.038	12	0.25	6.731	16	33.4	0.47	16	33.4	G0	16	5014	A	-9 3862
55		8.7A	6 10.845	-0.0013	12	-9 35 43.65	-0.017	12	0.25	10.866	16	33.4	43.36	16	33.4	G0	16	5015	A	-9 3863
56		8.6A	6 24.787	-0.0033	11	-7 46 4.61	0.011	11	0.24	24.842	16	33.4	4.79	16	33.4	K0	16	5017	A	-7 3778
57		9.3A	6 33.181	-0.0006	09	-6 34 37.10	-0.005	09	0.22	33.191	16	33.4	37.01	16	33.4	K0	17	5032	A	-6 3841
58		9.3A	6 41.493	-0.0009	11	-4 5 32.36	-0.016	11	0.24	41.508	16	33.4	32.09	16	33.4	K2	F 17	5033	A	-3 3584
59		9.0A	6 43.385	-0.0035	13	-3 56 55.84	0.007	13	0.27	43.444	16	33.4	55.96	16	33.4	F8	17	5034	A	-3 3585
60		8.9A	6 46.552	0.0005	11	-2 49 35.90	0.005	11	0.24	46.544	16	33.4	35.99	16	33.4	G5	17	5035	A	-2 3797
61		9.0A	7 2.361	-0.0014	12	-7 8 37.13	0.011	12	0.25	2.384	16	33.4	37.31	16	33.4	G5	16	5019	A	-6 3943
62		8.8A	7 4.900	-0.0012	12	-7 36 0.51	0.015	12	0.25	4.919	16	33.4	0.76	16	33.4	K2	16	5020	A	-7 3779
63		8.5A	7 14.447	-0.0021	13	-4 47 19.11	-0.014	13	0.27	14.481	16	33.4	18.87	16	33.4	K0	17	5036	A	-4 3626
64		9.1A	7 19.036	-0.0072	12	-6 55 26.08	-0.043	12	0.25	19.156	16	33.4	25.36	16	33.4	G0	16	5021	A	-6 3944
65		7.5A	7 19.822	-0.0020	09	-0 24 56.02	-0.027	11	0.22	19.849	17	36.4	55.66	17	36.4	K5	21	3697	A	0 3142
66		8.6A	7 25.959	-0.0003	12	-8 8 10.41	0.005	12	0.25	25.964	16	33.4	10.49	16	33.4	K0	16	5022	A	-7 3782
67		9.0A	7 28.343	-0.0003	12	-7 8 17.51	0.002	12	0.25	28.348	16	33.4	17.54	16	33.4	K2	16	5024	A	-6 3945
68		9.1A	7 28.962	-0.0032	12	-9 44 35.87	-0.015	12	0.25	29.015	16	33.4	35.62	16	33.4	G0	16	5023	A	-9 3867
69		9.0A	7 42.279	-0.0097	09	-0 3 47.32	-0.114	11	0.22	42.411	17	36.4	45.75	17	36.4	F8	21	3700	A	0 3144
70		7.3A	7 50.963	-0.0027	12	-6 19 26.93	-0.009	12	0.25	51.027	16	33.4	26.78	16	33.4	K0	17	5038	A	-5 3823
71		8.2A	7 54.342	-0.0015	13	-5 13 19.33	-0.017	13	0.27	54.366	16	33.4	19.05	16	33.4	K0	17	5040	A	-4 3633
72		9.0A	8 17.236	0.0000	13	-2 52 14.78	-0.067	13	0.27	17.236	16	33.4	13.67	16	33.4	F8	GC	19132	A	-5 3824
73		7.3T	8 19.766	-0.0041	07	-5 44 19.76	-0.010	09	0.41	19.974	09	98.9	19.24	09	98.0	F8	GC	19133	A	-1 2916
74		8.0A	8 23.218	0.0003	09	-2 26 22.35	0.023	11	0.22	23.213	17	36.4	22.67	17	36.4	K0	21	3702	A	-3 3590
75		9.0A	8 40.779	-0.0009	13	-4 7 52.02	-0.024	13	0.27	40.794	16	33.4	51.62	16	33.4	K0	F 17	5044	A	
76		9.0A	8 44.283	0.0006	13	-4 30 42.94	-0.003	13	0.27	44.254	16	33.4	42.88	16	33.4	G5	17	5045	A	-4 3638
77		8.2G	8 44.427	0.0051	07	-3 6 4.89	-0.180	05	0.33	44.167	12	98.8	54.35	12	91.4	F8	GC	19139K	B*	-2 3800
78		7.2A	9 4.410	-0.0040	13	-5 37 22.67	-0.005	13	0.27	4.476	16	33.4	22.58	16	33.4	K0	17	5047	A	-5 3825
79		9.0A	9 9.879	-0.0031	13	-2 38 29.48	0.013	13	0.27	9.931	16	33.4	29.70	16	33.4	G5	17	5048K	A	-2 3801
80		7.4T	9 14.825	-0.0042	07	-5 53 32.46	0.016	06	0.41	15.061	14	93.4	33.39	14	91.7	A5	GC	19149		-5 3826
81		8.7A	9 15.388	-0.0015	12	-9 43 49.61	0.002	12	0.25	15.413	16	33.4	49.64	16	33.4	G0	16	5029	A	-9 3874
82		8.7A	9 23.980	-0.0081	12	-5 38 19.46	-0.051	12	0.25	24.095	16	33.4	18.61	16	33.4	F8	17	5050	A	-5 3827
83		8.6A	9 48.270	-0.0018	13	-4 55 40.39	0.025	13	0.27	48.300	16	33.4	40.80	16	33.4	A5	17	5051	A	-4 3640
84		9.1A	9 52.508	0.0012	11	-7 59 24.40	-0.017	11	0.24	52.488	16	33.4	24.12	16	33.4	F8	16	5031	A	-7 3790
85		7.3T	9 53.309	0.0026	04	-9 39 57.37	-0.024	03	0.21	53.184	10	02.6	56.09	09	97.4	F0	GC	19161	B*	-9 3877
86		8.1G	9 55.801	-0.0010	09	-2 44 14.76	-0.031	09	0.47	55.851	14	00.5	13.21	14	99.7	F0	GC	19164		-2 3802
87		9.0A	9 56.701	0.0007	13	-4 1 21.76	-0.017	12	0.26	56.690	16	33.4	21.48	16	33.4	F5	17	5053	A	-3 3591
88		8.7A	10 3.530	0.0066	13	-6 7 17.41	-0.114	13	0.27	3.421	16	33.4	15.51	16	33.4	G0	17	5054	A	-5 3829
89		8.9A	10 6.755	-0.0033	09	-1 44 28.47	-0.020	11	0.22	6.800	17	36.4	26.20	17	36.4	K0	21	3704	A	-1 2920
90		7.4G	10 9.978	-0.0111	06	-3 4 54.27	-0.322	06	0.35	10.596	10	94.3	36.31	10	94.2	G0	GC	19166		-2 3804
91		9.2A	10 10.985	-0.0030	12	-3 27 55.22	-0.016	12	0.25	11.035	16	33.4	54.96	16	33.4	K2	17	5056	A	-3 3592
92		8.3A	10 38.108	-0.0004	11	-8 25 8.00	-0.029	11	0.24	38.115	16	33.4	7.51	16	33.4	K0	16	5034	A	-7 3793
93		8.9A	10 38.163	-0.0003	12	-9 28 36.88	-0.018	12	0.25	38.168	16	33.4	36.58	16	33.4	K0	16	5033	A	-9 3881
94		7.1T	10 39.385	-0.0015	17	-8 12 38.40	0.031	17	0.81	39.654	10	02.5	39.87	12	02.5	K0	GC	19179		-7 3794
95		8.8G	10 49.730	0.0004	08	-8 45 52.62	-0.039	06	0.37	49.710	17	04.4	50.65	15	99.8	F0	GC	19181		-8 3724
96		8.8A	10 59.021	-0.0012	12	-8 54 13.45	0.015	12	0.25	59.040	16	33.4	13.70	16	33.4	K5	16	5037	A	-8 3725
97		9.2A	11 4.055	-0.0026	13	-6 13 12.09	-0.001	13	0.27	4.098	16	33.4	12.07	16	33.4	K0	17	5057	A	-5 3834
98		5.8T	11 5.855	0.0136	08	-0 36 37.31	-0.145	06	0.26	5.304	09	09.5	31.68	07	11.1	F5	GC	19188	B*	-0 2796
99		9.3G	11 16.659	-0.0005	15	-4 4 12.87	-0.019	12	0.62	16.680	21	08.6	12.04	21	06.6	F8	GC	19193		-3 3595
00		9.0A	11 21.491	-0.0021	12	-5 38 12.33	-0.032	12	0.25	21.525	16	33.4	11.79	16	33.4	F8	17	5059	A	-5 3835

- 00 14H

139800			EPOCH 1950								ORIGINAL EPOCH						SP.	SOURCE		- 00 14H
NUMBER	MAGNITUDES m_{pg}	m_v	α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.		CAT.	STAR NUMBER	DM NUMBER
1		8.9A	14 11 28.301	0.0003	09	-1 33 28.22	-0.022	11	0.22	28.298	17	36.4	27.92	17	36.4	KO	21	3707	A -1 2923
2		8.7A	11 29.418	0.0003	13	-3 31 3.21	0.009	13	0.27	29.413	16	33.4	3.36	16	33.4	KO	17	5060	A -3 3596
3		8.6A	11 29.966	-0.0003	12	-8 17 7.18	-0.028	12	0.25	29.971	16	33.4	6.71	16	33.4	F2	16	5038K	A -7 3799
4		8.1A	11 38.442	-0.0025	12	-6 49 22.56	-0.002	12	0.25	38.484	16	33.4	22.53	16	33.4	KO	16	5039	A -6 3952
5		9.5A	11 43.800	0.0010	12	-8 24 33.00	-0.030	12	0.25	43.783	16	33.4	32.50	16	33.4	G5	16	5040	A -7 3801
6		6.3T	11 44.818	-0.0207	03	-5 42 57.81	0.084	03	0.19	45.959	07	94.8	+ 2.79	09	90.7	G0	GC	19209	B* -5 3837
7		9.0A	11 48.682	-0.0004	09	-0 22 7.15	-0.013	11	0.22	48.688	17	36.4	6.97	17	36.4	KO	R 21	3708	A 0 3152
8		8.0A	11 50.813	-0.0030	13	-4 33 10.86	0.002	13	0.27	50.865	16	33.4	10.89	16	33.4	KO	17	5062	A -4 3643
9		9.0A	11 53.276	-0.0052	12	-4 45 4.15	0.006	12	0.25	53.362	16	33.4	4.25	16	33.4	KO	17	5063K	A -4 3644
10		8.9A	11 54.290	0.0013	11	-9 21 55.98	0.001	11	0.24	54.268	16	33.4	55.99	16	33.4	K2	16	5041	A -8 3729
11		8.7A	11 59.342	0.0019	13	-2 55 44.87	0.020	13	0.27	59.311	16	33.4	45.21	16	33.4	KO	17	5065	A -2 3809
12		8.2A	11 59.868	-0.0005	13	-5 5 39.46	0.002	13	0.27	59.875	16	33.4	39.50	16	33.4	KO	17	5064	A -4 3645
13		8.4A	12 20.291	-0.0103	11	-3 23 36.11	-0.036	11	0.24	20.462	16	33.4	35.52	16	33.4	K2	17	5066	A -2 3810
14		9.0A	12 24.065	-0.0007	09	-2 4 14.50	0.005	11	0.22	24.075	17	36.4	14.57	17	36.4	KO	R 21	3710	A -1 2926
15		9.0A	12 31.853	-0.0029	09	-1 11 17.57	-0.019	11	0.22	31.893	17	36.4	17.31	17	36.4	G0	R 21	3711	A -0 2797
16		9.0A	12 41.236	0.0066	13	-3 13 0.47	-0.115	13	0.27	41.127	16	33.4	58.57	16	33.4	G0	17	5067	A -2 3811
17		9.2A	12 43.722	0.0003	12	-4 56 56.59	-0.010	12	0.25	43.716	16	33.4	56.42	16	33.4	G5	17	5068	A -4 3647
18		7.5A	13 3.490	0.0013	12	-7 26 0.64	-0.002	12	0.25	3.469	16	33.4	0.60	16	33.4	K0	16	5043	A -6 3955
19		9.1A	13 8.589	-0.0022	12	-8 7 25.25	-0.022	12	0.25	8.626	16	33.4	24.88	16	33.4	G0	16	5044	A -7 3805
20		9.3A	13 10.484	-0.0012	12	-9 49 26.81	-0.024	12	0.25	10.503	16	33.4	26.41	16	33.4	F2	16	5045	A -9 3893
21		9.0A	13 14.677	-0.0019	12	-8 35 41.93	0.009	12	0.25	14.707	16	33.4	42.08	16	33.4	K0	16	5046	A -8 3732
22		8.7A	13 18.454	-0.0052	12	-9 8 47.50	-0.043	12	0.25	18.539	16	33.4	46.78	16	33.4	F8	16	5047	A -8 3733
23		8.6A	13 21.833	0.0074	12	-6 49 47.65	0.004	12	0.25	21.710	16	33.4	47.71	16	33.4	K0	16	5048K	A -6 3957
24		4.2H	13 23.345	-0.0006	01	-5 45 46.18	-0.432	01	0.05	23.366	02	13.9	29.69	02	11.8	F5	F4	525	-5 3843
25		8.8A	13 30.146	0.0005	12	-9 34 41.95	-0.009	12	0.25	30.137	16	33.4	41.80	16	33.4	K2	16	5049	A -9 3896
26		8.5A	13 34.711	-0.0047	11	-3 38 14.43	-0.023	11	0.24	34.789	16	33.4	14.04	16	33.4	G5	17	5070	A -3 3600
27		8.8A	13 41.521	-0.0008	13	-5 12 10.53	0.007	13	0.27	41.534	16	33.4	10.65	16	33.4	A3	17	5071	A -4 3652
28		6.2T	13 43.557	-0.0024	08	-6 23 24.42	-0.021	09	0.42	43.670	07	02.3	23.40	07	01.5	A3	GC	19252	-5 3845
29		8.7A	13 44.309	-0.0136	13	-4 3 8.71	-0.116	13	0.27	44.535	16	33.4	6.78	16	33.4	G5	17	5073	A -3 3601
30		6.0T	13 54.461	-0.0019	08	-2 57 52.65	-0.042	06	0.38	54.563	14	96.8	50.62	12	01.5	A0	GC	19255	-2 3812
31		7.8A	13 57.798	-0.0019	12	-7 14 7.89	0.008	12	0.25	57.830	16	33.4	8.02	16	33.4	A0	16	5051	A -6 3960
32		9.0A	14 8.089	-0.0017	13	-4 41 22.96	-0.043	13	0.27	8.116	16	33.4	22.24	16	33.4	F8	17	5075	A -4 3655
33		9.1A	14 9.173	0.0024	12	-2 39 34.42	-0.054	12	0.25	9.133	16	33.4	33.53	16	33.4	G5P	17	5076	A -2 3813
34		6.6T	14 9.285	-0.0014	14	-8 39 11.55	-0.027	13	0.68	9.351	09	01.8	10.22	10	01.1	K0	GC	19261	-8 3737
35		6.9T	14 11.968	0.0001	10	-5 24 46.56	-0.023	10	0.60	11.960	17	93.0	45.25	15	92.6	F0	GC	19262	-4 3656
36		8.9A	14 20.272	-0.0021	09	-1 6 59.62	-0.016	11	0.22	20.301	17	36.4	59.41	17	36.4	K2	21	3712	A -0 2802
37		9.1A	14 23.827	-0.0022	13	-5 26 29.69	-0.070	13	0.27	23.863	16	33.4	28.54	16	33.4	G0	R 17	5078	A -5 3847
38		8.0A	14 26.359	-0.0004	11	-4 3 51.13	-0.017	11	0.24	26.365	16	33.4	50.85	16	33.4	K5	17	5079	A -3 3603
39		8.8A	14 28.167	-0.0178	13	-4 35 53.71	-0.024	13	0.27	28.462	16	33.4	53.31	16	33.4	G5	17	5082	A -4 3658
40		7.7T	14 28.490	-0.0068	09	-5 30 30.67	0.020	08	0.51	28.859	17	95.4	31.84	15	91.3	K0	GC	19272	-5 3848
41		8.8A	14 28.841	-0.0051	13	-4 55 8.69	-0.008	13	0.27	28.926	16	33.4	8.55	16	33.4	K0	17	5081	A -4 3657
42		9.2A	14 33.403	-0.0018	11	-8 41 55.14	-0.010	12	0.24	33.432	16	33.4	54.97	16	33.4	G5	16	5053	A -8 3738
43		9.3A	14 34.401	-0.0065	12	-9 34 2.13	-0.126	12	0.25	34.509	16	33.4	0.04	16	33.4	K0	16	5054	A -9 3898
44		9.3A	14 34.990	-0.0005	17	-4 6 37.31	-0.010	17	0.32	34.999	16	33.4	37.15	16	33.4	M1	F 17	5083	A -3 3604
45		9.2A	14 36.493	-0.0011	09	-1 27 12.97	-0.035	11	0.22	36.508	17	36.4	12.49	17	36.4	F0	21	3714	A -1 2934
46		9.0A	14 39.504	-0.0036	09	-2 25 24.63	-0.029	11	0.22	39.553	17	36.4	24.24	17	36.4	G0	R 21	3715	
47		6.7T	14 42.995	-0.0025	13	-8 47 30.71	-0.011	12	0.61	43.112	09	02.7	30.18	09	02.5	K0	GC	19280	-8 3740
48		8.5A	14 44.185	-0.0002	13	-4 2 7.11	0.009	13	0.27	44.189	16	33.4	7.26	16	33.4	G5	17	5084	A -3 3606
49		9.3A	15 0.311	-0.0027	13	-5 44 46.73	-0.004	13	0.27	0.356	16	33.4	46.66	16	33.4	F8	17	5085	A -5 3849
50		9.0A	15 7.429	-0.0008	11	-8 45 6.15	-0.026	11	0.24	7.443	16	33.4	5.71	16	33.4	G0	16	5057	A -8 3744
51		8.8A	14 15 10.888	-0.0024	11	-8 9 44.42	0.008	11	0.24	10.928	16	33.4	44.55	16	33.4	K2	16	5058	A -7 3811
52		9.0A	15 14.384	-0.0002	11	-4 54 11.21	0.015	11	0.24	14.388	16	33.4	11.45	16	33.4	F2	17	5086	A -4 3660
53		7.7A	15 19.498	-0.0023	13	-5 44 29.16	-0.001	13	0.27	19.537	16	33.4	29.14	16	33.4	K2	17	5087	A -5 3852
54		6.9A	15 19.652	-0.0004	12	-7 44 9.95	-0.049	12	0.25	19.658	16	33.4	9.14	16	33.4	K0	16	5059	A -7 3813
55		9.0A	15 20.631	0.0007	15	-4 54 50.24	-0.069	15	0.30	20.619	16	33.4	49.09	16	33.4	F8	17	5088	A -4 3661
56		6.5T	15 21.128	0.0168	06	-7 18 32.01	-0.245	05	0.23	20.473	07	11.1	22.60	07	11.6	G0	GC	19289	-6 3964
57		9.3A	15 50.534	-0.0014	12	-8 47 15.47	-0.038	12	0.25	50.557	16	33.4	14.84	16	33.4	K0	16	5061	A -8 3747
58		8.7A	15 52.416	-0.0003	11	-9 10 45.24	-0.003	11	0.24	52.421	16	33.4	45.19	16	33.4	K0	16	5062	A -8 3748
59		7.4A	16 2.956	-0.0013	12	-6 47 0.43	-0.002	12	0.25	2.978	16	33.4	0.39	16	33.4	A2	16	5063	A -6 3965
60		8.6A	16 17.187	0.0021	11	-8 55 50.90	-0.018	11	0.24	17.153	16	33.4	50.60	16	33.4	K5	16	5064	A -8 3750
61		9.2A	16 30.216	0.0006	09	-3 19 2.78	-0.021	09	0.22	30.206	16	33.4	2.44	16	33.4	G0	F 17	5089	A -2 3820
62		8.3A	16 40.361	0.0018	12	-7 37 7.12	-0.036	12	0.25	40.331	16	33.4	6.52	16	33.4	G5	16	5067	A -7 3818
63		8.7A	16 44.964	-0.0002	12	-6 58 15.72	0.031	12	0.25	44.967	16	33.4	16.23	16	33.4	G5	16	5068	A -6 3970
64		8.0A	16 49.695	-0.0064	09	-1 52 9.65	-0.011	11	0.22	49.782	17	36.4	9.50	17	36.4	F5	21	3716	A -1 2937
65		9.4A	16 51.243	-0.0002	09	-3 52 34.81	-0.002	09	0.22	51.246	16	33.4	34.77	16	33.4	M3	F 17	5090	A -3 3609
66		5.2T	16 57.685	-0.0080	04	-2 2 6.82	-0.072	03	0.20	58.121	09	95.7	2.88	07	95.1	K0	GC	19323	B* -1 2938
67		7.6Q	16 59.769	-0.0441	09	-4 55 14.08	-0.144	08	0.50	+ 2.239	15	94.0	5.73	14	92.0	K0	GC	19326	B* -4 3665
68		6.5T	17 15.337	-0.0059	06	-6 31 0.45	-0.026	06	0.32	15.639	07	98.4	-59.08	09	97.6	G5	GC	19332	-6 3972
69		9.5A	17 18.461	0.0020	11	-9 2 49.30	0.012	11	0.24	18.428	16	33.4	49.50	16	33.4	K0	R 16	5070	A -8 3755
70		8.3A	17 22.728	-0.0027	12	-7 51 25.64	0.027	12	0.25	22.772	16	33.4	26.09	16	33.4	G5	16	5071	A -7 3822
71		9.1A	17 26.199	-0.0004	11	-6 18 25.88	-0.003	11	0.24	26.206	16	33.4	25.83	16	33.4	G5	F 17	5093	A -5 3859
72		8.6A	17 32.319	-0.0011	11	-4 38 20.61	-0.092	11	0.24	32.338	16	33.4	19.08	16	33.4	G0	F 17	5094	A -4 3666
73		9.1A	17 34.511	-0.0031	11	-4 1 35.47	-0.020	13	0.26	34.562	16	33.4	35.14	16	33.4	K0	F 17	5095	A -3 3610
74		8.4A	17 35.443	-0.0004	12	-8 27 35.18	-0.007	12	0.25	35.449	16	33.4	35.06	16	33.4	K5	16	5073	A -8 3757
75		9.1A	18 0.429	-0.0012	12	-7 12 54.80	0.004	09	0.24	0.448	16	33.4	54.86	16	33.4	F8	16	5074	A -6 3977
76		9.1A	18 8.645	0.0011	12	-7 22 50.78	-0.024	11	0.24	8.626	16	33.4	50.38	16	33.4	F5	16	5075	A -6 3978
77		8.8A	18 9.218	-0.0031	09	-1 24 16.37	-0.032	11	0.22	9.261	17	36.4	15.94	17	36.4	F8	21	3722	A -0 2813
78		9.0A	18 18.862	-0.0031	09	-1 53 15.04	-0.005	11	0.22	18.904	17	36.4	14.97	17	36.4	K0	R 21	3723	A -1 2939
79		9.2A	18 30.314	0.0005	09	-5 45 14.99	-0.045	09	0.22	30.306	16	33.4	14.24	16	33.4	K0	17	5096	A -5 3863
80		8.7A	18 30.439	0.0002	09	-2 16 9.81	-0.010	11	0.22	30.436	17	36.4	9.68	17	36.4	K0	21	3724	A -1 2940
81		8.8A	18 39.633	0.0009	13	-5 36 12.19	-0.014	13	0.27	39.617	16	33.4	11.95	16	33.4	F5	17	5097	A -5 3864
82		8.3A	18 42.234	-0.0015	09	-4 25 51.83	-0.013	09	0.22	42.258	16	33.4	51.61	16	33.4	K2	17	5099	A -3 3613
83		8.0A	18 42.239	-0.0018	13	-4 59 13.86	-0.031	13	0.27	42.269	16	33.4	13.34	16	33.4	K0	17	5098	A -4 3670
84		9.1A	18 43.613	0.0007	09	-5 6 28.98	-0.005	09	0.22	43.602	16	33.4	28.90	16	33.4	G5	17	5100	A -4 3671
85		8.8A	18 59.701	-0.0008	09	-2 9 26.91	-0.007	11	0.22	59.712	17	36.4	26.82	17	36.4	M8	21	3725	A -1 2942
86		9.0A	19 10.231	-0.0042	09	-1 4 18.52	-0.051	11	0.22	10.288	17	36.4	17.83	17	36.4	K0	R 21	3727	A -0 2815
87		9.0A	19 10.339	-0.0010	13	-6 31 33.92	-0.010	13	0.27	10.356	16	33.4	33.75	16	33.4	F8	17	5101	A -6 3981
88		9.2A	19 21.712	-0.0026	12	-9 33 10.40	0.027	12	0.25	21.755	16	33.4	10.85	16	33.4	G0	16	5080	A -9 3918
89		7.2A	19 23.361	-0.0042	12	-7 51 48.31	-0.038	12	0.25	23.431	16	33.4	47.67	16	33.4	K2	16	5081	A -7 3831
90		6.7T	19 23.719	-0.0046	03	-1 45 37.73	-0.011	03	0.20	23.974	09	95.0	37.11	09	92.7	A2	GC	19368	B* -1 2943
91		9.1A	19 31.202	0.0015	11	-4 59 41.53	-0.009	11	0.24	31.176	16	33.4	41.38	16	33.4	F2	F 17	5102	A -4 3674
92		9.4A	19 34.976	-0.0013	11	-4 34 18.43	-0.003	11	0.24	34.998	16	33.4	18.38	16	33.4	F0	F 17	5103	A -4 3675
93		9.1A	19 37.264	-0.0024	12	-9 40 3.39	0.017	12	0.25	37.304	16	33.4	3.67	16	33.4	F5	16	5082	A -9 3919
94		9.2A	19 40.085	-0.0005	09	-5 5 1.70	-0.011	12	0.24	40.092	16	33.4	1.52	16	33.4	F0	F 17	5104	A -4 3676
95		9.0A	19 51.710	0.0002	12	-7 22 53.94	-0.027	12	0.25	51.707	16	33.4	53.49	16	33.4	F8	16	5083	A -6 3983
96		8.8A	19 55.589	0.0001	11	-3 30 0.58	0.011	11	0.24	55.586	16	33.4	0.76	16	33.4	A2	17	5105	A -3 3617
97		7.6Q	19 59.620	0.0000	07	-7 32 20.95	-0.133	07	0.34	59.618	09	02.9	14.48	10	01.4	G0	GC	19382K	B* -7 3834
98		7.6Q	19 59.682	-0.0003	05	-7 32 26.66	-0.137	05	0.30	59.695	10	99.8	19.00	10	94.1		GC	19383K	B* -7 3834
99		9.0A	20 2.172	0.0022	12	-2 57 18.19	0.030	12	0.25	2.136	16	33.4	18.69	16	33.4	G5	17	5106	A -2 3835
00		9.2A	20 3.717	0.0018	12	-8 1 15.93	-0.036	12	0.25	3.687	16	33.4	15.33	16	33.4	B5	16	5085	A -7 3835

139900

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	EPOCH 1950 μ s	EPOCH 1950 σ_μ ″.001	EPOCH 1950 δ_{1950} ° ′ ″	EPOCH 1950 μ' ″	EPOCH 1950 σ'_μ ″.001	EPOCH 1950 σ_{1950} ″	ORIGINAL EPOCH α_2 s	ORIGINAL EPOCH σ ″.01	ORIGINAL EPOCH ep.	ORIGINAL EPOCH δ_2 ″	ORIGINAL EPOCH σ' ″.01	ORIGINAL EPOCH ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	SOURCE DM NUMBER
																			- 00 14H
1		9.2A	14 20 12.173	-0.0054	12	-4 28 15.78	-0.084	12	0.25	12.263	16	33.4	15.38	16	33.4	F8 R	17	5107	A -4 3678
2		6.6T	20 12.493	-0.0038	08	-0 24 35.89	-0.018	08	0.46	12.684	14	97.2	34.68	14	95.3	A0	GC	19388	0 3171
3		8.9A	20 14.354	-0.0012	09	-1 20 40.42	-0.025	11	0.22	14.370	17	36.4	40.08	17	36.4	K5	21	3730	A -0 2816
4		8.8A	20 21.550	-0.0005	13	-4 11 44.33	-0.090	13	0.27	21.558	16	33.4	42.84	16	33.4	G0	17	5108	A -3 3619
5		9.3A	20 23.347	-0.0031	12	-8 43 3.89	-0.030	12	0.25	23.399	16	33.4	3.39	16	33.4	G0	16	5086	A -8 3765
6		8.0A	20 32.291	-0.0019	13	-6 0 20.17	0.003	13	0.27	32.323	16	33.4	20.22	16	33.4	K0	17	5109	A -5 3868
7		8.4A	20 33.670	-0.0011	13	-6 17 51.41	0.000	13	0.27	33.688	16	33.4	53.04	16	33.4	F8	17	5110	A -5 3869
8		9.0A	21 4.208	-0.0029	09	-2 12 2.61	-0.011	11	0.22	4.247	17	36.4	2.46	17	36.4	K2 R	21	3732	A -1 2947
9		8.8A	21 29.071	0.0019	12	-6 50 51.78	-0.017	12	0.25	29.039	16	33.4	51.49	16	33.4	K2	16	5091	A -6 3890
10		9.4A	21 30.184	0.0022	12	-8 21 59.82	-0.008	09	0.24	30.147	16	33.4	59.68	16	33.4	G0	16	5090	A -8 3769
11		8.8A	21 33.945	-0.0015	11	-3 40 44.24	-0.006	11	0.24	33.970	16	33.4	44.15	16	33.4	K2 F	17	5111	A -3 3620
12		9.1A	21 39.088	-0.0027	13	-5 5 41.67	0.008	13	0.27	39.134	16	33.4	41.83	16	33.4	F5 F	17	5112	A -4 3662
13		9.0A	21 39.722	-0.0006	12	-8 27 58.87	-0.028	12	0.25	39.732	16	33.4	58.40	16	33.4	G5	16	5092	A -8 3770
14		8.8A	21 52.414	-0.0032	13	-6 29 55.87	-0.046	13	0.27	52.466	16	33.4	55.10	16	33.4	K0	17	5113	A -6 3901
15		9.9A	21 58.224	-0.0005	12	-8 26 1.66	-0.022	12	0.25	58.232	16	33.4	1.29	16	33.4	F8	16	5094	A -8 3771
16		7.4T	22 0.628	-0.0023	07	-2 7 2.76	-0.007	07	0.37	0.748	12	97.3	2.40	12	97.9	M0	GC	19438	-1 2951
17		9.5A	22 2.686	0.0015	09	-6 35 6.12	-0.060	09	0.22	2.660	16	33.4	5.12	16	33.4	G5 R	17	5114	A -6 3902
18		9.2A	22 4.293	-0.0028	12	-3 50 51.27	-0.002	12	0.25	4.340	16	33.4	51.23	16	33.4	F0 F	17	5115	A -3 3621
19		8.4A	22 7.452	0.0008	11	-6 56 38.18	0.008	11	0.24	7.439	16	33.4	38.31	16	33.4	K0	16	5096	A -6 3903
20		8.5A	22 10.357	-0.0007	12	-3 48 1.53	0.006	12	0.25	10.369	16	33.4	1.63	16	33.4	F0	17	5116	A -3 3622
21		9.2A	22 25.738	-0.0009	09	-4 10 43.56	-0.008	09	0.22	25.752	16	33.4	43.43	16	33.4	G0 R	17	5117	A -3 3623
22		9.0A	22 42.548	-0.0020	09	-0 45 51.45	-0.022	11	0.22	42.576	17	36.4	51.16	17	36.4	K0	21	3737	A -0 2819
23		9.2A	23 2.030	-0.0084	12	-9 32 32.12	0.066	12	0.25	2.136	16	33.4	33.22	16	33.4	G0	16	5097	A -9 3932
24		8.9A	23 10.125	-0.0068	12	-0 56 50.32	-0.045	11	0.59	10.458	14	01.0	48.08	12	99.8	F5	GC	19460	-0 2820
25		8.0A	23 21.644	-0.0012	09	-3 29 18.10	-0.002	09	0.22	21.664	16	33.4	18.07	16	33.4	A3	17	5118	A -3 3625
26		9.0A	23 25.185	-0.0019	13	-4 50 21.60	0.014	13	0.27	25.217	16	33.4	21.83	16	33.4	F2 F	17	5119	A -4 3685
27		8.5A	23 29.029	-0.0008	09	-0 28 1.06	-0.041	11	0.22	29.041	17	36.4	0.49	17	36.4	F2	21	3739	A -0 2821
28		8.4A	23 30.038	0.0005	11	-4 13 48.11	-0.018	11	0.24	30.030	16	33.4	47.81	16	33.4	K0	17	5120	A -3 3626
29		8.5A	23 42.247	-0.0006	12	-7 6 9.68	-0.000	12	0.25	42.257	16	33.4	9.68	16	33.4	F8	16	5099	A -6 4000
30		8.8A	23 54.438	-0.0022	13	-5 15 56.36	-0.011	13	0.27	54.475	16	33.4	56.19	16	33.4	K0	17	5121	A -4 3687
31		8.7Q	24 3.386	-0.0004	09	-0 51 42.08	-0.025	07	0.41	3.385	17	03.3	40.84	17	99.8	G5	GC	19479	-0 2823
32		8.6A	24 11.500	-0.0104	09	-4 57 5.90	-0.156	09	0.22	11.673	16	33.4	3.27	16	33.4	K0	17	5122	A -4 3690
33		8.8A	24 14.391	-0.0025	13	-3 40 35.62	-0.022	13	0.27	14.430	16	33.4	35.25	16	33.4	F8	17	5123	A -3 3628
34		9.0A	24 15.531	-0.0054	13	-5 37 11.87	-0.039	13	0.27	15.621	16	33.4	11.22	16	33.4	F8 R	17	5124	A -5 3877
35		9.0A	24 22.437	-0.0016	09	-1 12 48.45	-0.042	11	0.22	22.459	17	36.4	47.88	17	36.4	G5 R	21	3741	A -0 2824
36		9.3A	24 24.794	-0.0013	12	-9 53 55.54	0.010	12	0.25	24.816	16	33.4	55.70	16	33.4	F8	16	5100	A -9 3941
37		9.0A	24 26.922	-0.0124	13	-4 12 4.13	-0.076	13	0.27	27.127	16	33.4	2.87	16	33.4	G5P	17	5125	A -3 3629
38		9.0A	24 36.879	-0.0017	13	-3 10 51.86	-0.001	13	0.27	36.908	16	33.4	51.85	16	33.4	K2 F	17	5126	A -2 3845
39		9.1A	24 37.967	-0.0062	13	-5 17 23.26	-0.088	13	0.27	38.102	16	33.4	21.82	16	33.4	F5 F	17	5127	A -4 3892
40		8.8A	24 38.512	-0.0053	13	-2 28 2.77	0.050	13	0.27	38.601	16	33.4	3.61	16	33.4	F8	17	5128	A -2 3846
41		8.4A	24 45.154	-0.0016	09	-1 30 55.66	-0.009	11	0.22	45.176	17	36.4	55.54	17	36.4	K5	21	3743	A -1 2955
42		6.2T	24 46.655	-0.0050	03	-5 53 44.69	-0.062	03	0.21	46.926	10	95.4	41.01	10	90.7	A0	GC	19491	B* -5 3880
43		8.6A	24 49.513	0.0003	12	-9 58 51.37	0.017	12	0.25	49.508	16	33.4	51.65	16	33.4	K2	16	5101	A -9 3943
44		8.8A	24 12.460	-0.0019	13	-5 28 46.84	-0.006	13	0.27	12.491	16	33.4	46.75	16	33.4	K5 R	17	5130	A -5 3881
45		9.0A	25 15.411	-0.0042	09	-1 20 19.76	-0.027	11	0.22	15.468	17	36.3	19.39	17	36.3	G0 R	21	3745	A -0 2827
46		8.6A	25 24.567	0.0019	09	-1 32 43.98	-0.066	11	0.22	24.542	17	36.3	43.08	17	36.3	F8	21	3746	A -1 2956
47		8.8A	25 25.386	0.0015	13	-4 6 53.19	-0.035	13	0.27	25.370	16	33.4	52.61	16	33.4	K0 F	17	5131	A -3 3631
48		7.5T	25 28.944	-0.0011	07	-7 46 50.88	-0.003	06	0.40	29.007	14	93.9	50.72	14	93.4	A0	GC	19502	-2 3849
49		8.7A	25 30.268	-0.0009	12	-8 32 1.59	-0.007	11	0.24	30.283	16	33.4	1.47	16	33.4	K5	16	5102	A -8 3781
50		9.0A	25 32.003	0.0011	09	-0 24 0.74	-0.076	11	0.22	31.989	17	36.3	59.69	17	36.3	G	21	3747	A 0 3186
51		5.0M	14 25 37.362	-0.0094	01	-2 0 17.26	-0.005	01	0.04	37.678	02	16.2	17.09	02	15.2	K0	F4	533	-1 2957
52		9.0A	25 41.284	0.0018	12	-7 35 33.27	-0.016	12	0.25	41.254	16	33.4	33.00	16	33.4	A0	16	5103	A -7 3851
53		6.7T	25 51.391	-0.0043	07	-9 46 52.06	-0.030	06	0.34	51.610	09	98.7	50.41	10	95.4	K0	GC	19509	-9 3945
54		9.3A	25 54.046	-0.0001	12	-4 27 30.03	-0.025	12	0.25	54.048	16	33.4	29.62	16	33.4	G5 F	17	5133	A -4 3693
55		9.1A	25 57.080	-0.0056	12	-9 58 57.11	0.025	12	0.25	57.173	16	33.4	57.52	16	33.4	F5 R	16	5105	A -9 3946
56		9.1Q	25 59.080	-0.0014	11	-9 58 56.41	-0.046	07	0.44	59.141	14	05.6	54.14	12	00.9	F5	GC	19513	B* -9 3947
57		5.7T	26 3.238	-0.0014	03	-6 40 37.20	-0.059	03	0.19	3.312	09	95.3	34.02	07	96.3	K5	GC	19516	B* -6 4009
58		8.9A	26 4.796	-0.0005	12	-4 29 22.18	-0.029	13	0.26	4.804	16	33.4	21.69	16	33.4	K2 F	17	5134	A -4 3694
59		6.7T	26 10.836	-0.0021	09	-4 59 46.61	0.038	08	0.51	10.955	14	93.8	48.80	14	92.2	K0	GC	19517	-4 3695
60		9.1A	26 22.790	0.0016	09	-2 20 39.02	-0.053	11	0.22	22.768	17	36.3	38.30	17	36.3	F5 R	21	3749	A -1 2958
61		9.0A	26 23.288	-0.0061	09	-0 6 47.27	-0.063	11	0.22	23.371	17	36.3	46.40	17	36.3	K0 R	21	3750	A 0 3190
62		8.8A	26 29.137	0.0008	11	-7 36 34.78	-0.000	11	0.24	29.123	16	33.4	34.77	16	33.4	A5	16	5108	A -7 3854
63		8.0A	26 32.535	-0.0015	13	-4 42 49.11	0.004	13	0.27	32.559	16	33.4	49.17	16	33.4	F5	17	5137	A -4 3696
64		9.0A	26 40.667	-0.0040	09	-1 29 35.91	-0.027	11	0.22	40.722	17	36.3	35.54	17	36.3	F0 R	21	3751	A -1 2959
65		9.1A	26 49.642	-0.0070	11	-9 55 44.47	-0.058	11	0.24	49.758	16	33.4	43.50	16	33.4	G5	16	5111	A -9 3950
66		9.0A	26 53.215	0.0007	09	-2 2 2.20	-0.050	11	0.22	53.206	17	36.3	1.52	17	36.3	G5 R	21	3752	A -1 2961
67		8.2A	27 4.424	-0.0022	11	-5 45 39.00	0.008	11	0.24	4.460	16	33.4	39.13	16	33.4	K2	17	5138	A -5 3892
68		9.0A	27 21.019	-0.0025	13	-3 48 17.33	-0.009	13	0.27	21.058	16	33.4	17.18	16	33.4	K2 F	17	5139	A -3 3633
69		7.0T	27 23.775	-0.0062	05	-4 1 30.61	-0.023	05	0.25	24.066	12	03.1	29.29	10	92.5	F2	GC	19545K	B* -3 3634
70		8.2A	27 29.561	0.0011	12	-6 50 57.82	-0.017	11	0.24	29.543	16	33.4	57.54	16	33.4	K0	16	5112	A -6 4012
71		8.8A	27 32.601	-0.0003	11	-3 19 37.98	-0.016	11	0.24	32.606	16	33.4	37.72	16	33.4	K0 F	17	5142	A -2 3853
72		8.8A	27 44.699	-0.0031	09	-1 46 11.27	-0.011	11	0.22	44.742	17	36.3	11.12	17	36.3	F0 R	21	3754	A -1 2962
73		8.9A	27 46.614	0.0003	13	-6 1 22.69	0.029	13	0.27	46.610	16	33.4	23.17	16	33.4	G0	17	5143	A -5 3894
74		7.3T	27 54.119	-0.0018	07	-3 50 37.07	-0.005	06	0.38	54.220	12	94.4	36.79	14	92.6	F5	GC	19559	-3 3636
75		9.2A	27 56.899	-0.0031	12	-6 45 30.61	-0.004	12	0.25	56.911	16	33.4	30.54	16	33.4	G0 R	16	5113	A -6 4014
76		8.1Q	28 6.506	0.0009	07	-2 53 17.41	-0.020	07	0.39	6.459	14	96.7	16.36	14	97.2	K0	GC	19567	-2 3855
77		8.9A	28 12.173	-0.0051	09	-6 25 18.13	-0.228	09	0.22	13.587	16	33.4	14.37	16	33.4	K5	16	5114	A -7 3856
78		9.1A	28 17.188	-0.0018	09	-3 34 35.62	0.016	09	0.22	17.218	16	33.4	35.88	16	33.4	K0 F	17	5146	A -3 3637
79		9.0A	28 20.970	-0.0034	09	-1 11 29.10	-0.019	11	0.22	21.016	17	36.3	28.84	17	36.3	G0 R	21	3755	A -0 2833
80		8.9A	28 23.157	0.0008	13	-3 21 49.94	-0.004	13	0.27	23.144	16	33.4	49.88	16	33.4	F7 F	17	5148	A -2 3856
81		7.7T	28 23.503	-0.0141	07	-5 34 52.47	-0.030	07	0.38	24.219	14	99.1	50.92	14	98.4	G5	GC	19573	-5 3896
82		9.0A	28 37.714	-0.0011	09	-0 0 58.49	-0.034	11	0.22	37.730	17	36.3	58.04	17	36.3	G	21	3756	A 0 3196
83		9.1A	28 42.672	0.0034	09	-3 29 15.65	-0.014	09	0.22	42.616	16	33.4	15.42	16	33.4	F9 F	17	5149	A -3 3639
84		8.9A	29 14.955	-0.0001	11	-4 32 36.91	-0.031	11	0.24	14.857	16	33.4	36.39	16	33.4	K6 F	17	5150	A -4 3701
85		7.8A	29 28.168	-0.0017	09	-1 34 8.79	0.007	11	0.22	28.191	17	36.3	8.70	17	36.3	G5	21	3757	A -1 2963
86		8.2A	29 40.527	-0.0025	12	-7 19 7.32	-0.026	12	0.25	40.569	16	33.4	6.88	16	33.4	K2	16	5116	A -6 4021
87		8.7A	29 42.788	-0.0005	09	-8 14 51.22	0.035	09	0.22	42.776	16	33.4	51.80	16	33.4	F0	16	5117	A -7 3863
88		9.1A	29 52.428	-0.0028	11	-6 59 5.44	-0.007	11	0.24	52.474	16	33.4	5.32	16	33.4	K0	16	5119	A -6 4022
89		8.2A	29 53.761	-0.0022	12	-9 32 14.85	0.033	12	0.25	53.797	16	33.4	15.40	16	33.4	G0	16	5118	A -9 3962
90		9.2A	30 8.757	-0.0019	09	-0 31 26.43	-0.033	11	0.22	8.783	17	36.3	25.98	17	36.3	F2 R	21	3758	A -0 2838
91		8.6A	30 10.433	0.0002	11	-6 59 30.56	-0.037	11	0.24	10.430	16	33.4	29.94	16	33.4	G5	16	5120	A -6 4023
92		8.7A	30 30.082	0.0006	09	-5 15 33.21	-0.009	09	0.22	30.073	16	33.4	33.06	16	33.4	F8 R	17	5151	A -4 3704
93		8.8A	30 33.990	0.0008	13	-5 34 20.31	-0.007	13	0.27	33.976	16	33.4	20.19	16	33.4	K0 R	17	5152	A -5 3903
94		7.9B	30 42.498	0.0006	08	-8 42 59.75	-0.000	07	0.40	42.469	14	98.7	59.73	14	97.3	K0	GC	19621	-6 4025
95		9.0A	30 45.368	0.0012	13	-3 4 49.58	0.017	13	0.27	45.348	16	33.4	49.86	16	33.4	F0 F	17	5153	A -2 3859
96		8.8A	30 47.382	-0.0031	12	-3 32 29.42	0.003	12	0.25	47.433	16	33.4	29.47	16	33.4	K0 F	17	5154	A -3 3641
97		8.1Q	31 2.457	0.0008	07	-6 39 5.21	-0.015	07	0.40	2.418	14	97.8	4.39	14	97.0	A0	GC	19629	-6 4026
98		9.0A	31 11.257	-0.0011	13	-2 25 16.78	-0.004	13	0.27	11.275	16	33.4	16.71	16	33.4	G5	17	5157	A -2 3860
99		8.9A	31 11.635	-0.0015	13	-4 43 1.08	0.048	13	0.27	11.660	16	33.4	1.87	16	33.4	G0 F	17	5155	A -4 3708
00		9.0A	31 11.989	-0.0013	09	-0 19 21.50	-0.005	11	0.22	12.006	17	36.3	21.44	17	36.3	G0 R	21	3760	A 0 3203

140000

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	SOURCE CAT.	STAR NUMBER	DM NUMBER
1		9.0A	14 31 13.105	0.0027	11	-4 52 21.01	-0.017	11	0.24	13.060	16	33.4	20.73	16	33.4	F5 F	17	5156	A -4 3709
2		9.0A	31 15.323	-0.0006	12	-9 16 37.45	0.007	09	0.24	15.332	16	33.4	37.57	16	33.4	G5	16	5124	A -8 3795
3		9.0A	31 24.354	-0.0012	11	-4 54 1.77	0.016	11	0.24	24.374	16	33.4	2.03	16	33.4	G0 F	17	5158K	A -4 3710
4		8.4A	31 26.726	0.0068	11	-7 4 15.57	-0.075	11	0.24	26.614	16	33.4	14.32	16	33.4	G0	16	5125	A -6 4029
5		9.1A	31 33.418	-0.0016	09	-2 47 36.08	0.006	09	0.22	33.444	16	33.4	36.18	16	33.4	K2 F	17	5159	A -2 3861
6		8.9A	31 33.841	-0.0013	09	-1 15 47.94	-0.046	11	0.22	33.859	17	36.3	47.32	17	36.3	K2	21	3761	A -0 2842
7		9.3A	31 50.921	-0.0026	13	-2 24 1.28	-0.024	15	0.30	50.964	16	33.4	0.88	16	33.4	G0 F	17	5160	
8		8.5A	31 57.156	-0.0033	09	-2 57 6.54	-0.061	09	0.22	57.210	16	33.4	5.52	16	33.4	F8	17	5161	A -2 3862
9		9.0A	32 5.969	-0.0025	09	-2 15 48.45	-0.024	11	0.22	6.002	17	36.3	48.12	17	36.3	F0 R	21	3762	A -1 2967
10		7.6A	32 12.134	0.0005	09	-4 25 59.10	-0.028	09	0.22	12.126	16	33.4	58.63	16	33.4	F8	17	5163	A -4 3713
11		8.7A	32 13.410	-0.0020	09	-1 11 39.22	-0.007	11	0.22	13.437	17	36.3	39.12	17	36.3	F8	21	3763	A -0 2845
12		9.1A	32 20.269	0.0002	12	-8 35 56.99	-0.029	12	0.25	20.266	16	33.4	56.51	16	33.4	G5	16	5126	A -8 3797
13		8.4A	32 26.644	-0.0014	12	-9 5 24.73	0.005	12	0.25	26.668	16	33.4	24.82	16	33.4	K2	16	5127	A -8 3798
14		8.9A	32 34.443	-0.0023	12	-7 9 44.55	-0.064	12	0.25	34.481	16	33.4	43.48	16	33.4	G5	16	5129	A -6 4031
15		7.9A	32 35.413	-0.0029	11	-8 52 38.50	-0.019	11	0.24	35.461	16	33.4	38.19	16	33.4	K2	16	5128	A -8 3799
16		9.0A	32 40.278	-0.0014	12	-8 41 36.27	0.007	12	0.25	40.300	16	33.4	36.38	16	33.4	A3	16	5130	A -8 3801
17		8.5A	32 45.802	-0.0026	09	-8 8 27.43	-0.019	09	0.22	45.845	16	33.4	27.10	16	33.4	G5	16	5131	A -7 3871
18		7.5A	32 49.230	-0.0011	13	-5 36 53.50	-0.017	13	0.27	49.248	16	33.4	53.21	16	33.4	F5	17	5164	A -5 3909
19		8.6A	33 4.432	-0.0028	12	-7 29 39.59	0.002	12	0.25	4.479	16	33.4	39.61	16	33.4	F0	16	5133	A -7 3873
20		8.9A	33 5.472	-0.0003	12	-9 22 38.08	-0.017	12	0.25	5.477	16	33.4	37.80	16	33.4	K0	16	5132	A -8 3803
21		7.3A	33 6.294	-0.0033	13	-5 2 55.96	0.001	13	0.27	6.348	16	33.4	55.98	16	33.4	K0	17	5165	A -4 3715
22		7.1T	33 8.442	0.0010	11	-8 21 27.22	-0.007	09	0.47	8.398	09	03.1	26.86	10	02.0	A0	GC	19672	-7 3874
23		9.3A	33 19.062	-0.0011	12	-3 14 22.93	-0.000	12	0.25	19.079	16	33.4	22.93	16	33.4	K6 F	17	5166	A -2 3863
24		8.9A	33 26.707	-0.0011	12	-7 1 33.52	0.023	11	0.24	26.725	16	33.4	33.89	16	33.4	F8	16	5135	A -6 4034
25		8.7Q	33 34.133	-0.0006	08	-3 33 49.66	-0.002	06	0.38	34.160	15	01.7	49.55	14	97.9	K2	GC	19680	-3 3645
26		9.0A	33 34.882	0.0013	11	-4 46 53.39	-0.066	11	0.24	34.859	16	33.4	52.29	16	33.4	G2 F	17	5167	A -4 3716
27		7.6T	33 37.443	-0.0025	09	-9 23 42.04	-0.032	08	0.47	37.576	17	97.8	40.42	15	98.5	K0	GC	19683	-8 3805
28		8.4A	33 43.836	-0.0016	09	-4 52 44.08	-0.017	09	0.22	43.862	16	33.4	43.80	16	33.4	K5	17	5169	A -4 3718
29		8.9A	33 51.821	-0.0011	09	-7 13 28.17	0.008	09	0.22	51.839	16	33.4	28.29	16	33.4	G0	16	5137	A -6 4035
30		9.0A	33 51.922	-0.0003	09	-0 42 5.89	-0.023	11	0.22	51.926	17	36.3	5.57	17	36.3	G0	21	3767	A -0 2847
31		9.0A	33 54.863	0.0016	12	-8 45 21.07	-0.024	11	0.24	54.836	16	33.4	20.66	16	33.4	G5	16	5138	A -8 3806
32		8.9A	33 57.591	-0.0030	12	-8 11 8.58	-0.029	11	0.24	57.642	16	33.4	8.09	16	33.4	F8	16	5139	A -7 3876
33		9.0A	33 59.608	-0.0011	12	-8 57 56.57	-0.019	12	0.25	59.626	16	33.4	56.24	16	33.4	F8	16	5140	A -8 3807
34		8.6A	34 16.790	-0.0024	12	-8 43 50.73	-0.024	12	0.25	16.829	16	33.4	50.34	16	33.4	K0	16	5141	A -8 3808
35		7.7T	34 18.064	-0.0233	07	-4 3 45.07	0.015	07	0.40	19.309	10	96.5	45.90	09	93.9	G0	GC	19693	-3 3648
36		7.0T	34 32.035	0.0023	07	-3 40 31.40	-0.033	07	0.41	31.907	12	95.1	29.51	12	93.0	G0	GC	19699	-3 3649
37		9.0A	34 33.407	-0.0003	12	-8 8 59.38	-0.006	12	0.25	33.412	16	33.4	59.27	16	33.4	K5	16	5142	A -7 3877
38		9.1A	34 36.911	-0.0047	11	-8 47 56.36	-0.012	11	0.24	36.990	16	33.4	56.17	16	33.4	G5	16	5143	A -8 3809
39		8.9A	34 50.496	-0.0017	09	-0 16 16.81	-0.016	11	0.22	50.519	17	36.3	16.60	17	36.3	F8	21	3769	A 0 3211
40		8.5A	35 10.674	0.0000	09	-3 9 17.03	-0.017	09	0.22	10.674	16	33.4	16.75	16	33.4	G5	17	5172	A -2 3868
41		7.2T	35 15.221	-0.0018	05	-5 19 56.83	-0.014	05	0.24	15.296	09	09.0	56.21	10	06.3	A0	GC	19713	-4 3725
42		7.8A	35 23.366	-0.0018	12	-9 31 19.84	0.002	12	0.25	23.395	16	33.4	19.88	16	33.4	K2	16	5144	A -9 3972
43		8.1A	35 26.419	0.0020	12	-8 27 33.04	-0.050	12	0.25	26.386	16	33.4	32.20	16	33.4	G0	16	5145	A -8 3810
44		9.1A	35 31.997	0.0006	11	-8 5 34.34	0.011	09	0.23	31.987	16	33.4	34.51	16	33.4	F5	16	5146	A -7 3879
45		9.0A	35 49.066	-0.0019	09	-2 39 15.65	0.003	09	0.22	49.098	16	33.4	15.70	16	33.4	A5	17	5174	A -2 3872
46		7.4T	35 52.693	-0.0003	07	-3 23 43.30	-0.016	07	0.37	52.706	12	01.1	42.51	12	01.0	M0	GC	19724	-2 3873
47		8.0A	35 54.908	-0.0005	13	-2 55 40.71	0.008	13	0.27	54.917	16	33.4	40.84	16	33.4	K0	17	5177	A -2 3874
48		8.8A	35 55.542	-0.0006	13	-5 28 53.18	0.020	13	0.27	55.553	16	33.4	53.51	16	33.4	K5	17	5176	A -5 3913
49		7.7A	35 56.777	-0.0016	11	-6 56 47.53	-0.075	11	0.24	56.803	16	33.4	46.28	16	33.4	G5	16	5147	A -6 4041
50		7.7T	36 22.065	-0.0020	08	-5 34 18.50	-0.031	07	0.41	22.164	14	99.4	16.85	14	97.3	K0	GC	19735	-5 3916
51		9.0A	14 36 25.703	-0.0011	09	-0 7 2.40	-0.016	11	0.22	25.718	17	36.3	2.19	17	36.3	F8 R	21	3771	A 0 3214
52		8.9A	36 38.341	-0.0065	09	-0 34 4.41	0.028	11	0.22	38.415	17	36.3	4.79	17	36.3	G0 R	21	3772	A -0 2850
53		9.1A	36 42.335	0.0017	12	-7 19 54.61	-0.071	12	0.25	42.307	16	33.4	53.42	16	33.4	G0	16	5149	A -6 4046
54		8.8A	36 54.685	-0.0058	09	-0 2 1.47	-0.055	11	0.22	54.764	17	36.3	0.73	17	36.3	G0	21	3773	A 0 3216
55		8.9A	37 4.015	-0.0140	12	-9 44 7.33	-0.002	11	0.24	4.246	16	33.4	7.29	16	33.4	G0	16	5150	A -9 3977
56		9.3A	37 23.411	0.0015	11	-7 45 8.94	-0.006	11	0.24	23.387	16	33.4	8.83	16	33.4	F5 R	16	5151	A -7 3881
57		9.5A	37 24.245	-0.0053	09	-2 45 22.73	-0.050	09	0.22	24.332	16	33.4	21.90	16	33.4	G5 F	17	5179	A -2 3878
58		8.1A	37 25.692	-0.0022	12	-6 43 36.70	0.004	11	0.24	25.729	16	33.4	36.76	16	33.4	K2	16	5152	A -6 4048
59		9.2A	37 27.633	-0.0018	09	-2 34 40.44	0.022	09	0.22	27.663	16	33.4	40.80	16	33.4	K0 F	17	5180	A -2 3879
60		8.8A	37 31.048	-0.0003	09	-0 51 27.97	-0.018	11	0.22	31.052	17	36.3	27.73	17	36.3	G5	21	3775	A -0 2852
61		8.9A	37 34.160	-0.0137	12	-7 18 10.16	0.155	12	0.25	34.388	16	33.4	12.72	16	33.4	G5	16	5153	A -6 4049
62		9.2A	38 1.377	-0.0047	09	-5 40 37.83	0.010	09	0.22	1.455	16	33.4	37.99	16	33.4	K0 R	17	5181	A -5 3924
63		9.1A	38 5.796	-0.0026	12	-7 16 41.04	-0.025	12	0.25	5.839	16	33.4	40.62	16	33.4	F5	16	5154	A -6 4050
64		8.8A	38 10.615	-0.0008	12	-7 41 5.65	-0.001	12	0.25	10.629	16	33.4	5.62	16	33.4	F2	16	5155	A -7 3884
65		8.5Q	38 20.789	-0.0030	07	-6 14 41.46	-0.002	06	0.37	20.942	15	97.9	41.33	14	93.8	F2	GC	19767	-5 3927
66		8.2A	38 23.617	-0.0030	13	-2 37 56.23	0.095	13	0.27	23.667	16	33.4	57.80	16	33.4	G5	17	5183	A -2 3882
67		9.0A	38 24.068	-0.0085	11	-9 17 25.03	-0.046	11	0.24	24.228	16	33.4	24.27	16	33.4	G5	16	5157	A -8 3813
68		8.1A	38 26.923	0.0001	09	-2 12 29.63	-0.161	11	0.22	26.921	17	36.3	27.42	17	36.3	G0	21	3776	A -1 2972
69		8.9A	38 29.303	-0.0020	13	-5 25 43.61	-0.005	13	0.27	29.336	16	33.4	43.53	16	33.4	K0	17	5184	A -5 3928
70		9.0A	38 31.705	-0.0001	11	-4 52 55.95	-0.016	11	0.24	31.706	16	33.4	55.68	16	33.4	F8 F	17	5185	A -4 3732
71		8.9A	38 32.353	-0.0036	13	-5 47 45.70	-0.018	13	0.27	32.413	16	33.4	45.40	16	33.4	F2	17	5186	A -5 3930
72		8.0A	38 38.693	0.0014	12	-4 43 46.48	-0.167	12	0.25	38.669	16	33.4	43.71	16	33.4	G0	17	5187	A -4 3733
73		8.6A	38 44.181	-0.0020	12	-7 26 46.52	-0.001	12	0.25	44.215	16	33.4	46.49	16	33.4	A2	16	5158	A -7 3888
74		7.4A	38 55.081	-0.0028	09	-1 49 40.17	-0.020	11	0.22	55.119	17	36.3	39.89	17	36.3	A2	21	3777	A -1 2973
75		8.6A	39 0.271	0.0008	12	-9 35 47.32	-0.029	12	0.25	0.258	16	33.4	46.83	16	33.4	F8	16	5159	A -9 3979
76		7.8A	39 1.133	0.0003	09	-1 10 30.60	-0.043	11	0.22	1.128	17	36.3	30.02	17	36.3	K5	21	3779	A -0 2855
77		9.2A	39 2.871	0.0017	12	-8 58 9.80	-0.061	12	0.25	2.843	16	33.4	8.78	16	33.4	A2	16	5160	A -8 3816
78		8.9A	39 4.587	-0.0027	09	-0 13 15.31	-0.038	11	0.22	4.624	17	36.3	14.80	17	36.3	K2 R	21	3780	A 0 3224
79		9.3A	39 7.091	-0.0004	11	-8 0 3.20	0.008	11	0.24	7.098	16	33.4	3.32	16	33.4	G5	16	5161	A -7 3889
80		8.8A	39 18.277	-0.0063	12	-6 39 16.22	-0.030	11	0.24	18.382	16	33.4	15.71	16	33.4	F8	16	5162	A -6 4055
81		9.0A	39 22.343	0.0010	09	-3 18 38.94	-0.027	09	0.22	22.326	16	33.4	38.49	16	33.4	M5P	17	5188	A -2 3886
82		8.8A	39 24.801	-0.0005	09	-0 46 23.54	-0.018	11	0.22	24.807	17	36.3	23.29	17	36.3	K0	21	3782	A -0 2857
83		9.0A	39 25.173	0.0007	09	-0 26 20.61	-0.035	11	0.22	25.163	17	36.3	20.14	17	36.3	F8	21	3783	A -0 2858
84		8.5A	39 31.430	-0.0003	11	-4 38 23.28	-0.008	11	0.24	31.434	16	33.4	23.15	16	33.4	G5	17	5189	A -4 3735
85		8.9A	39 32.931	0.0002	09	-2 9 56.77	-0.084	11	0.22	32.928	17	36.3	55.62	17	36.3	G0	21	3784	A -1 2974
86		8.0A	39 48.018	-0.0004	12	-4 52 22.91	-0.033	12	0.25	48.024	16	33.4	22.36	16	33.4	K0	17	5190	A -4 3736
87		8.5Q	40 1.983	-0.0035	09	-5 45 8.82	0.011	05	0.41	2.140	19	04.5	9.48	18	87.9	F5	GC	19808	-5 3934
88		9.3A	40 3.269	-0.0031	12	-5 45 26.28	0.008	12	0.25	3.320	16	33.4	26.40	16	33.4		17	5192	A -5 3935
89		9.3A	40 21.800	-0.0010	12	-8 9 43.10	0.010	12	0.25	21.817	16	33.4	43.26	16	33.4	G0	16	5164	A -7 3894
90		4.0H	40 25.283	0.0070	01	-5 26 30.92	-0.321	01	0.04	25.021	02	12.8	19.18	02	13.5	F5	F4	545	-5 3936
91		8.8A	40 28.957	-0.0006	12	-9 7 56.00	-0.002	11	0.24	28.967	16	33.4	55.96	16	33.4	F5	16	5165	A -8 3820
92		8.7A	40 37.943	-0.0027	12	-2 44 48.80	-0.037	12	0.25	37.987	16	33.4	48.18	16	33.4	A2	17	5194	A -2 3887
93		9.0A	40 42.686	0.0039	12	-8 54 58.65	-0.058	12	0.25	42.621	16	33.4	57.68	16	33.4	G5	16	5167	A -8 3821
94		6.6T	40 44.617	-0.0002	11	-9 29 15.35	-0.024	12	0.55	44.628	09	03.8	14.22	10	03.7	G5	GC	19823	-9 3984
95		9.1A	40 46.834	-0.0029	13	-4 22 15.06	-0.027	13	0.27	46.882	16	33.4	14.61	16	33.4	K0 F	17	5195	A -3 3661
96		8.9A	40 52.731	0.0023	13	-3 44 13.98	-0.102	13	0.27	52.692	16	33.4	12.28	16	33.4	G5 F	17	5196	A -3 3662
97		7.2T	41 10.967	-0.0018	10	-2 17 37.74	-0.027	12	0.55	11.058	15	98.5	36.43	15	01.4	A2	GC	19829	-1 2981
98		8.2A	41 12.059	0.0012	13	-6 28 35.16	-0.035	13	0.27	12.039	16	33.4	34.58	16	33.4	F8	17	5197	A -6 4065
99		9.0A	41 25.490	-0.0045	13	-3 14 55.99	0.024	13	0.27	25.565	16	33.4	56.39	16	33.4	G8 F	17	5199	A -2 3888
00		6.6T	41 34.345	-0.0137	08	-8 2 31.26	0.067	07	0.30	34.894	07	10.1	33.85	07	11.2	F5	GC	19836	-7 3897

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NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	EPOCH 1950 μ s	EPOCH 1950 σ_μ ″.001	EPOCH 1950 δ_{1950} ° ′ ″	EPOCH 1950 μ' ″	EPOCH 1950 $\sigma_{\mu'}$ ″.001	EPOCH 1950 σ_{1950} ″	ORIGINAL EPOCH α_2 s	ORIGINAL EPOCH σ ″.01	ORIGINAL EPOCH ep.	ORIGINAL EPOCH δ_2 ″	ORIGINAL EPOCH σ' ″.01	ORIGINAL EPOCH ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	DM	DM NUMBER
1		9.1A	14 41 37.719	-0.0003	09	-4 6 28.45	-0.096	09	0.22	37.724	16	33.4	26.86	16	33.4	F8 F	17	5200	A	-3 3663
2		9.0A	41 39.967	0.0003	09	-0 24 28.47	-0.008	11	0.22	39.963	17	36.3	28.37	17	36.3	F0	21	3788	A	0 3229
3		7.8A	41 40.435	-0.0024	12	-9 16 41.32	-0.034	09	0.24	40.476	16	33.4	40.76	16	33.4	F2	16	5171	A	-8 3825
4		7.6B	41 45.402	0.0008	07	-6 10 40.34	-0.001	07	0.36	45.358	12	98.1	40.27	14	97.2	K0	GC	19839		-5 3941
5		8.6A	41 46.553	-0.0011	13	-5 21 10.56	0.004	13	0.27	46.572	16	33.4	10.63	16	33.4	A	17	5202	A	-4 3744
6		8.9A	41 49.916	-0.0002	13	-4 58 16.63	-0.028	13	0.27	49.919	16	33.4	16.17	16	33.4	K0 R	17	5203	A	-4 3745
7		7.4A	41 54.581	-0.0031	13	-3 9 9.41	-0.005	13	0.27	54.666	16	33.4	9.32	16	33.4	F2	17	5204	A	-2 3690
8		8.7A	41 59.733	0.0009	13	-3 25 24.02	-0.073	13	0.27	59.717	16	33.4	22.80	16	33.4	G0	17	5205	A	-3 3664
9		6.8T	42 4.138	-0.0067	11	-9 29 34.11	-0.046	08	0.47	4.443	14	04.8	31.80	17	00.4	F2	GC	19846		-9 3986
10		9.0A	42 12.461	-0.0014	13	-5 54 59.79	-0.011	13	0.27	12.484	16	33.4	59.60	16	33.4	F8 R	17	5206	A	-5 3943
11		8.5A	42 15.596	0.0012	13	-2 51 4.37	-0.005	13	0.27	15.576	16	33.4	4.28	16	33.4	K0	17	5207	A	-2 3891
12		8.8A	42 19.703	0.0001	12	-8 55 23.86	-0.097	12	0.25	19.701	16	33.4	22.25	16	33.4	G0	16	5173	A	-8 3826
13		8.7A	42 25.821	-0.0020	12	-8 43 10.45	-0.029	12	0.25	25.855	16	33.4	9.96	16	33.4	F8	16	5174	A	-8 3827
14		8.9A	42 29.278	-0.0018	09	-0 53 16.00	0.016	11	0.22	29.302	17	36.3	16.22	17	36.3	G0	21	3790	A	-0 2866
15		8.5A	42 31.793	-0.0020	12	-6 41 0.29	0.012	11	0.24	31.827	16	33.4	0.48	16	33.4	G0	16	5175	A	-6 4086
16		6.2T	42 37.119	-0.0037	06	-1 12 26.72	-0.007	07	0.35	37.306	10	98.8	26.37	10	99.5	M0	GC	19852		-0 2867
17		8.0A	42 38.128	-0.0021	12	-6 58 50.36	0.020	12	0.25	38.163	16	33.4	50.68	16	33.4	A2	16	5177	A	-6 4067
18		8.4A	42 39.547	-0.0033	12	-9 0 14.84	-0.024	12	0.25	39.601	16	33.4	14.45	16	33.4	F5	16	5176	A	-8 3829
19		8.9A	42 41.430	-0.0005	12	-8 15 7.60	0.014	12	0.25	41.438	16	33.4	7.83	16	33.4	G5	16	5178	A	-7 3900
20		7.8A	42 41.679	-0.0057	13	-6 31 30.12	0.044	13	0.27	41.775	16	33.4	30.84	16	33.4	G0	17	5208	A	-6 4068
21		9.5A	42 45.743	0.0001	12	-8 20 30.88	0.006	12	0.25	45.742	16	33.4	30.97	16	33.4	F5	16	5180	A	-7 3901
22		8.6A	43 3.665	0.0002	09	-0 9 17.19	-0.031	11	0.22	3.662	17	36.3	16.77	17	36.3	K5	21	3793	A	0 3234
23		8.9A	43 3.962	-0.0054	12	-6 52 8.32	-0.004	12	0.25	4.053	16	33.4	8.24	16	33.4	G5	16	5181	A	-6 4070
24		8.8A	43 18.093	-0.0005	08	-4 11 33.57	0.004	09	0.22	18.102	16	33.4	33.64	16	33.4	G8 F	17	5209	A	-3 3667
25		9.1A	43 20.044	-0.0022	13	-6 5 55.46	-0.004	13	0.27	20.080	16	33.4	55.39	16	33.4	F0	17	5210	A	-5 3944
26		8.4G	43 27.979	-0.0018	09	-1 7 3.79	-0.292	08	0.49	28.071	12	97.4	47.42	12	93.9	G0	GC	19874		-0 2872
27		7.4A	43 33.839	-0.0001	12	-7 35 14.59	-0.017	12	0.25	33.842	16	33.4	14.30	16	33.4	G5	16	5182	A	-7 3903
28		7.7G	43 42.735	-0.0102	07	-7 10 20.80	0.101	05	0.34	43.249	14	99.9	26.89	12	89.5	G0	GC	19883K	B*	-6 4071
29		7.5A	43 43.526	-0.0002	09	-0 37 29.25	0.028	11	0.22	43.528	17	36.3	29.64	17	36.3	K0	21	3795	A	-0 2875
30		8.9A	43 52.324	-0.0003	09	-1 14 15.63	-0.027	11	0.22	52.328	17	36.3	15.27	17	36.3	M0 R	21	3796	A	-0 2878
31		8.9A	43 58.390	-0.0005	09	-1 15 49.04	-0.013	11	0.22	58.397	17	36.3	48.87	17	36.3	K0 R	21	3797	A	-0 2879
32		8.9A	44 6.296	0.0003	13	-2 43 36.72	0.028	13	0.27	6.291	16	33.4	37.18	16	33.4	K0 F	17	5211	A	-2 3894
33		9.0A	44 14.329	0.0009	09	-1 29 6.83	-0.096	11	0.22	14.316	17	36.3	5.51	17	36.3	K0 R	21	3798	A	-1 2985
34		9.1A	44 15.505	-0.0114	11	-9 46 9.46	-0.095	11	0.24	15.695	16	33.4	7.89	16	33.4	G0	16	5185	A	-9 3990
35		9.2A	44 24.769	0.0001	12	-9 33 24.26	-0.019	12	0.25	24.768	16	33.4	23.95	16	33.4	F8	16	5186	A	-9 3991
36		8.8A	44 25.456	0.0012	13	-5 49 32.37	-0.012	13	0.27	25.437	16	33.4	32.17	16	33.4	F5	17	5212	A	-5 3948
37		9.0A	44 25.630	-0.0009	09	-0 36 3.82	-0.006	11	0.22	25.643	17	36.3	3.74	17	36.3	F8	21	3799	A	-0 2882
38		9.3A	44 29.212	-0.0015	11	-9 43 14.25	0.010	11	0.24	29.237	16	33.4	14.43	16	33.4	G5	16	5187	A	-9 3993
39		9.1A	44 33.836	-0.0003	09	-0 9 14.10	-0.050	11	0.22	33.840	17	36.3	13.42	17	36.3	K0 R	21	3800	A	0 3240
40		9.1A	44 34.403	0.0015	12	-8 51 3.54	-0.015	12	0.25	34.378	16	33.4	3.28	16	33.4	G5	16	5188	A	-8 3853
41		8.0A	44 35.962	0.0008	13	-4 1 32.03	-0.026	13	0.27	35.948	16	33.4	31.60	16	33.4	F5	17	5213	A	-3 3673
42		8.3A	44 59.276	-0.0081	09	-0 4 16.64	-0.143	11	0.22	59.387	17	36.3	14.69	17	36.3	G5	21	3801	A	0 3243
43		9.0A	45 1.694	-0.0007	13	-3 45 56.19	-0.000	13	0.27	1.681	16	33.4	56.19	16	33.4	M1 F	17	5214	A	-3 3674
44		9.1A	45 5.197	-0.0011	12	-7 5 5.10	0.004	12	0.25	5.215	16	33.4	5.16	16	33.4	G0	16	5190	A	-6 4075
45		7.3A	45 24.363	-0.0006	09	-5 17 54.46	-0.023	09	0.22	24.374	16	33.4	54.08	16	33.4	K2	17	5216	A	-4 3749
46		9.1A	45 27.380	-0.0001	12	-7 38 16.08	-0.019	12	0.25	27.383	16	33.4	15.75	16	33.4	K0	16	5192	A	-7 3906
47		8.2A	45 51.307	0.0013	12	-8 56 52.96	-0.027	12	0.25	51.285	16	33.4	52.50	16	33.4	K0	16	5193	A	-8 3836
48		8.6A	46 0.343	-0.0007	09	-0 54 37.30	-0.019	11	0.22	0.352	17	36.3	37.04	17	36.3	F2	21	3802	A	-0 2884
49		8.1A	46 1.610	-0.0028	12	-6 53 58.78	-0.027	12	0.25	1.656	16	33.4	58.32	16	33.4	F0	16	5194	A	-6 4077
50		9.3A	46 12.481	-0.0006	12	-9 46 5.37	-0.014	12	0.25	12.491	16	33.4	5.15	16	33.4	G0	16	5195	A	-9 3999
51		9.0A	14 46 19.408	0.0008	12	-9 46 53.43	-0.078	12	0.25	19.395	16	33.4	52.14	16	33.4	G0	16	5196	A	-9 4000
52		6.1T	46 19.780	-0.0006	05	-0 38 26.39	0.016	05	0.22	19.804	06	06.9	27.06	06	08.7	A0	GC	19932		-0 2886
53		8.0A	46 27.773	-0.0017	09	-5 32 38.24	-0.062	09	0.22	27.802	16	33.4	37.20	16	33.4	F5	17	5217	A	-5 3952
54		8.6A	46 32.142	-0.0013	13	-4 17 41.89	0.008	13	0.27	32.164	16	33.4	42.02	16	33.4	F8	17	5218	A	-3 3675
55		8.9A	46 33.721	-0.0025	09	-1 28 51.87	-0.088	11	0.22	33.755	17	36.3	50.67	17	36.3	K0	21	3804	A	-1 2988
56		8.9A	46 36.722	0.0007	12	-8 10 2.76	-0.006	12	0.25	36.710	16	33.4	2.65	16	33.4	F8	16	5197	A	-7 3908
57		8.7A	46 40.345	0.0003	13	-4 47 43.59	0.036	13	0.27	40.340	16	33.4	44.19	16	33.4	K0	17	5219	A	-4 3753
58		8.0A	46 43.262	-0.0009	09	-5 55 3.75	-0.004	09	0.22	43.277	16	33.4	3.67	16	33.4	K5	17	5220	A	-5 3953
59		7.1T	46 44.772	-0.0011	12	-8 17 48.51	-0.009	12	0.62	44.831	15	98.0	48.03	15	99.4	F5	GC	19940		-7 3909
60		8.9A	46 50.504	-0.0022	09	-1 48 13.13	-0.022	11	0.22	50.534	17	36.3	12.83	17	36.3	G0	21	3805	A	-1 2989
61		7.5A	47 5.385	-0.0049	12	-8 59 45.62	-0.017	09	0.24	5.467	16	33.4	45.34	16	33.4	F8	16	5199	A	-8 3841
62		8.6A	47 23.474	0.0019	12	-8 44 42.77	-0.002	12	0.25	23.443	16	33.4	42.72	16	33.4	G5	16	5200	A	-8 3843
63		8.7A	47 23.597	-0.0045	12	-6 41 42.39	-0.061	12	0.25	23.672	16	33.4	41.53	16	33.4	G0	16	5201	A	-6 4082
64		8.2A	47 24.523	-0.0015	12	-6 57 28.25	-0.033	11	0.24	24.548	16	33.4	27.69	16	33.4	F8	16	5202	A	-6 4083
65		8.9A	47 28.389	0.0006	09	-6 27 26.29	-0.002	09	0.22	28.380	16	33.4	26.25	16	33.4	K0	17	5221	A	-6 4084
66		9.0A	47 29.014	-0.0010	12	-9 13 45.73	-0.010	12	0.25	29.031	16	33.4	45.57	16	33.4	G5	16	5203	A	-8 3845
67		8.6A	47 35.761	0.0004	12	-7 39 30.43	-0.020	12	0.25	35.754	16	33.4	30.09	16	33.4	K5	16	5205	A	-7 3911
68		9.2A	47 40.228	0.0059	09	-3 40 1.94	-0.070	09	0.22	40.129	16	33.4	0.77	16	33.4	K0 F	17	5222	A	-3 3679
69		9.0A	47 54.255	-0.0028	09	-0 37 1.65	-0.012	11	0.22	54.293	17	36.3	1.49	17	36.3	K2	21	3807	A	-0 2890
70		9.1A	47 59.491	-0.0012	12	-7 4 8.02	-0.025	11	0.24	59.510	16	33.4	7.60	16	33.4	K0	16	5208	A	-6 4087
71		8.1A	48 1.983	-0.0018	12	-8 1 8.11	0.021	12	0.25	2.012	16	33.4	8.45	16	33.4	F5	16	5210	A	-7 3912
72		8.4A	48 10.646	-0.0030	12	-8 42 43.94	-0.071	12	0.25	10.596	16	33.4	42.77	16	33.4	F8	16	5211	A	-8 3846
73		8.4A	48 14.890	0.0008	09	-0 21 7.05	-0.030	11	0.22	14.879	17	36.3	6.64	17	36.3	F8	21	3809	A	0 3251
74		7.9A	48 15.093	-0.0063	12	-3 55 41.69	0.028	12	0.25	15.198	16	33.4	42.16	16	33.4	G5	17	5223	A	-3 3680
75		9.0A	48 19.416	-0.0044	09	-0 12 21.11	-0.045	11	0.22	19.477	17	36.3	20.50	17	36.3	G0 R	21	3810	A	0 3252
76		5.0T	48 25.251	0.0054	04	-2 5 30.76	-0.127	03	0.21	24.967	10	97.8	24.25	09	98.7	K0	GC	19978	B*	-1 2991
77		6.2T	48 26.319	-0.0019	09	-0 3 7.06	0.012	09	0.45	26.410	14	00.7	7.66	14	01.5	K2	GC	19979		0 3253
78		8.6A	48 33.424	-0.0022	12	-9 47 27.64	-0.020	12	0.25	33.460	16	33.4	27.30	16	33.4	K0	16	5212	A	-9 4011
79		9.3A	48 33.436	-0.0027	12	-6 43 30.19	-0.016	12	0.25	33.481	16	33.4	29.91	16	33.4	K2 R	16	5214	A	-6 4088
80		8.8A	48 34.894	0.0011	12	-8 46 42.69	-0.027	12	0.25	34.875	16	33.4	42.25	16	33.4	K2	16	5213	A	-8 3847
81		9.0A	48 46.454	-0.0015	09	-0 2 26.83	-0.032	11	0.22	46.474	17	36.3	26.40	17	36.3	G0	21	3815	A	0 3256
82		8.6A	48 50.401	0.0003	09	-2 15 1.81	-0.128	11	0.22	50.396	17	36.3	0.06	17	36.3	G5	21	3816	A	-1 2992
83		9.0A	48 57.284	-0.0034	09	-0 56 21.14	-0.020	11	0.22	57.330	17	36.3	20.87	17	36.3	G5	21	3817	A	-0 2991
84		9.0A	49 4.350	-0.0039	11	-6 3 14.12	0.022	11	0.24	4.415	16	33.4	14.48	16	33.4	A2	17	5225	A	-5 3957
85		8.5A	49 10.620	-0.0047	09	-3 53 11.65	-0.025	09	0.22	10.697	16	33.4	11.23	16	33.4	G5	17	5227	A	-3 3682
86		8.8A	49 11.492	-0.0013	12	-9 42 34.44	-0.002	12	0.25	11.513	16	33.4	34.41	16	33.4	F5	16	5216	A	-9 4016
87		9.0A	49 11.758	0.0004	13	-6 25 11.15	0.017	13	0.27	11.751	16	33.4	11.42	16	33.4	K0	17	5226	A	-6 4091
88		8.5A	49 24.375	-0.0003	12	-7 11 42.66	-0.075	12	0.25	24.380	16	33.4	41.40	16	33.4	K2	16	5218	A	-6 4093
89		8.7A	49 27.757	-0.0011	13	-4 32 45.26	-0.002	13	0.27	27.776	16	33.4	45.23	16	33.4	F0	17	5228	A	-4 3763
90		8.6A	49 37.681	-0.0003	12	-9 44 54.87	-0.025	12	0.25	37.686	16	33.4	54.45	16	33.4	G0	16	5219	A	-9 4017
91		8.7A	49 38.905	0.0008	13	-3 48 43.92	0.020	13	0.27	38.891	16	33.4	44.25	16	33.4	K0 F	17	5229	A	-3 3683
92		8.3A	49 41.044	-0.0045	09	-3 18 50.59	0.008	09	0.22	41.118	16	33.4	50.72	16	33.4	K0	17	5230	A	-2 3907
93		9.5A	49 53.290	-0.0023	12	-4 57 45.79	-0.021	12	0.25	53.327	16	33.4	45.44	16	33.4	F8 F	17	5231	A	-4 3764
94		8.8A	49 57.640	-0.0005	09	-1 12 12.58	-0.038	11	0.22	57.667	17	36.3	12.06	17	36.3	F5	21	3818	A	-0 2895
95		8.2A	50 10.994	-0.0001	12	-8 4 49.19	0.025	12	0.25	10.997	16	33.4	49.60	16	33.4	A2	16	5220	A	-7 3917
96		8.0A	50 13.084	0.0001	12	-8 29 30.76	0.050	12	0.25	13.052	16	33.4	31.58	16	33.4	F8	16	5221	A	-8 3851
97		9.3A	50 13.827	-0.0012	09	-3 7 18.23	0.011	09	0.22	13.847	16	33.4	18.41	16	33.4	K0 F	17	5232	A	-2 3908
98		9.0A	50 14.357	0.0007	09	-1 0 35.15	-0.005	11	0.22	14.348	17	36.3	35.09	17	36.3	G0	21	3822	A	-0 2897
99		8.5A	50 32.153	-0.0020	12	-7 2 1.85	-0.010	12	0.25	32.187	16	33.4	1.68	16	33.4	F5	16	5222	A	-6 4097
00		8.2A	50 33.453	-0.0002	11	-7 0 43.77	-0.004	11	0.24	33.457	16	33.4	43.69	16	33.4	K0 R	16	5223	A	-6 4098

140200

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	EPOCH 1950 μ s	EPOCH 1950 σ_μ .001	EPOCH 1950 δ_{1950} ° ′ ″	EPOCH 1950 μ' ″	EPOCH 1950 $\sigma_{\mu'}$ .001	EPOCH 1950 σ_{1950} ″	ORIGINAL EPOCH α_2 s	ORIGINAL EPOCH σ .01	ORIGINAL EPOCH ep.	ORIGINAL EPOCH δ_2 ″	ORIGINAL EPOCH σ' .01	ORIGINAL EPOCH ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	− 0° 14H DM NUMBER
1		9.3A	14 50 46.072	0.0006	09	-2 29 51.25	-0.005	09	0.22	46.062	16	33.4	51.17	16	33.4	B9 F	17	5233	A -2 3909
2		9.3A	50 46.091	-0.0003	11	-9 32 26.09	-0.007	11	0.24	46.096	16	33.4	25.98	16	33.4	F0	16	5224	A -9 4020
3		8.4Q	51 5.426	-0.0048	20	-8 57 31.15	-0.071	20	0.66	5.628	18	07.5	28.10	18	06.8	G5	GC	20034	-8 3854
4		8.1A	51 8.362	-0.0003	09	-3 7 55.69	0.002	09	0.22	8.366	16	33.4	55.72	16	33.4	K2P	17	5234	A -2 3910
5		7.3T	51 10.378	0.0017	08	-8 52 58.17	-0.022	06	0.35	10.297	09	03.6	57.13	10	01.5	A0	GC	20038	-8 3855
6		8.0T	51 12.618	0.0002	08	-0 13 18.17	0.004	07	0.39	12.607	15	04.3	18.40	15	97.9	K0	GC	20040	0 3264
7		9.1A	51 15.278	-0.0031	09	-2 17 21.72	-0.009	11	0.22	15.319	17	36.3	21.39	17	36.3	F8	21	3824	A -1 2994
8		9.0A	51 15.736	-0.0004	13	-4 46 40.71	-0.001	13	0.27	15.742	17	33.4	40.69	16	33.4	K0	17	5235	A -4 3769
9		8.0G	51 15.815	0.0025	08	-0 12 6.75	-0.081	08	0.39	15.891	17	01.9	2.39	15	95.9	K0	GC	20042	0 3265
10		7.3A	51 22.534	0.0018	13	-5 22 5.23	-0.042	13	0.27	22.504	16	33.4	4.53	16	33.4	K0	17	5237	A -4 3770
11		9.1A	51 45.249	-0.0054	09	-5 25 9.92	0.013	09	0.22	45.339	16	33.4	10.14	16	33.4	G2 F	17	5238	A -5 3982
12		9.0A	51 45.594	0.0037	09	-1 40 10.35	-0.019	11	0.22	45.543	17	36.3	10.09	17	36.3	F5	21	3827	A -1 2996
13		9.1A	51 46.297	-0.0000	12	-3 58 49.13	-0.012	12	0.25	46.297	16	33.4	48.93	16	33.4	K0 F	17	5239	A -3 3686
14		7.6A	51 48.386	0.0011	12	-8 11 8.58	-0.003	12	0.25	48.367	16	33.4	8.52	16	33.4	K0	16	5228	A -7 3021
15		9.0A	51 50.007	-0.0048	13	-2 52 3.55	-0.009	13	0.27	50.087	16	33.4	3.40	16	33.4	F8 F	17	5240	A -2 3912
16		8.3A	51 53.683	-0.0020	12	-7 11 49.03	-0.027	11	0.24	53.716	16	33.4	48.57	16	33.4	K0	16	5229	A -6 4101
17		8.5A	51 59.151	-0.0008	13	-4 50 53.38	0.022	13	0.27	59.161	16	33.4	53.74	16	33.4	K5	17	5241	A -4 3772
18		8.6A	52 7.527	0.0002	12	-7 56 28.18	-0.006	12	0.25	7.524	16	33.4	28.07	16	33.4	F8	16	5230	A -7 3922
19		7.7A	52 20.732	0.0009	09	-3 25 42.57	0.033	09	0.22	20.716	16	33.4	43.12	16	33.4	F2	17	5242	A -3 3687
20		9.1A	52 26.676	-0.0153	12	-8 53 25.03	-0.321	12	0.25	26.929	16	33.4	19.69	16	33.4	G5	16	5231	A -8 3858
21		8.0A	52 34.209	0.0018	11	-7 5 27.09	-0.016	11	0.24	34.179	16	33.4	26.81	16	33.4	K0	16	5232	A -6 4102
22		8.7A	52 34.693	-0.0012	11	-7 55 9.00	-0.015	09	0.23	34.912	16	33.4	8.77	16	33.4	F0	16	5233	A -7 3926
23		9.0A	52 40.403	-0.0029	13	-4 10 12.94	-0.015	13	0.27	40.450	16	33.4	12.69	16	33.4	G0	17	5243	A -3 3688
24		8.8A	52 40.925	-0.0023	09	-1 54 43.87	-0.028	11	0.22	40.956	17	36.3	43.48	17	36.3	F8	21	3828	A -1 2997
25		7.8A	52 44.264	-0.0007	12	-9 16 21.28	-0.034	12	0.25	44.275	16	33.4	20.72	16	33.4	K0	16	5234	A -8 3860
26		9.3A	52 45.863	-0.0036	13	-3 34 27.13	-0.017	13	0.27	45.922	16	33.4	26.85	16	33.4	K0 F	17	5244	A -3 3689
27		9.4A	52 48.946	0.0017	14	-1 50 4.90	-0.014	20	0.29	48.922	17	36.3	4.71	17	36.3	F8 R	21	3830	A* -1 2998
28		8.9A	53 6.379	-0.0072	12	-8 50 36.16	0.002	12	0.25	6.498	16	33.4	36.20	16	33.4	G5	16	5236	A -8 3861
29		9.0A	53 9.384	-0.0004	13	-4 0 49.27	-0.011	13	0.27	9.390	16	33.4	49.09	16	33.4	A2	17	5245	A -3 3691
30		9.2A	53 27.015	0.0032	11	-7 47 42.64	-0.027	11	0.24	26.962	16	33.4	42.18	16	33.4	G5	16	5237	A -7 3928
31		8.1T	53 37.039	-0.0078	11	-6 10 45.05	-0.152	11	0.54	37.414	14	01.7	37.86	15	02.8	K0	GC	20089	-5 3966
32		8.7A	53 44.551	-0.0066	13	-4 22 8.30	-0.020	13	0.27	44.659	16	33.4	7.97	16	33.4	A3	17	5248	A -3 3694
33		8.6A	53 45.147	-0.0023	13	-4 24 27.55	-0.001	13	0.27	45.184	16	33.4	27.53	16	33.4		17	5249	A -4 3778
34		8.5A	53 52.788	-0.0004	12	-8 43 55.41	0.115	12	0.25	52.795	16	33.4	57.32	16	33.4	G5	16	5238	A -8 3863
35		8.7A	54 3.801	-0.0012	12	-9 41 9.62	0.041	12	0.25	3.821	16	33.4	10.29	16	33.4	G0	16	5239	A -9 4033
36		8.5A	54 6.183	-0.0008	13	-4 55 47.75	0.030	13	0.27	6.196	16	33.4	48.25	16	33.4	F5	17	5250	A -4 3779
37		9.1A	54 16.565	-0.0029	13	-5 33 32.60	-0.006	13	0.27	16.613	16	33.4	32.49	16	33.4	K2 F	17	5251	A -5 3969
38		9.0A	54 28.256	-0.0010	09	-0 36 13.86	-0.014	11	0.22	28.269	17	36.3	13.67	17	36.3	F5	21	3832	A -0 2903
39		8.0A	54 30.972	-0.0034	13	-6 18 41.59	-0.030	13	0.27	31.029	16	33.4	41.09	16	33.4	F8	17	5252	A -5 3971
40		4.6T	54 34.088	-0.0069	04	-4 8 38.37	-0.158	03	0.18	34.408	09	03.4	29.97	07	96.9	F0	GC	20115	B* -3 3696
41		8.9A	54 49.633	-0.0021	09	-1 13 49.99	-0.032	11	0.22	49.662	17	36.3	49.56	17	36.3	F0	21	3834	A -0 2906
42		8.4A	55 3.991	-0.0049	13	-6 32 27.62	0.011	13	0.27	4.072	16	33.4	27.79	16	33.4	F8	17	5254	A -6 4111
43		7.6A	55 6.156	-0.0015	13	-3 49 51.89	-0.054	13	0.27	6.181	16	33.4	50.99	16	33.4	F5	17	5255	A -3 3698
44		8.7A	55 21.233	-0.0034	09	-1 31 51.29	-0.055	11	0.22	21.279	17	36.3	50.54	17	36.3	F8	21	3836	A -1 2999
45		9.0A	55 31.834	0.0016	12	-8 28 47.26	-0.043	11	0.24	31.808	16	33.4	46.54	16	33.4	G5	16	5242	A -8 3871
46		9.2A	55 34.002	-0.0013	11	-6 7 22.87	-0.014	11	0.24	34.023	16	33.4	22.63	16	33.4	A0	17	5256	A -5 3974
47		8.6A	55 43.483	0.0009	11	-8 21 53.72	-0.016	09	0.23	43.468	16	33.4	53.44	16	33.4	A0	16	5244	A -7 3931
48		6.7A	55 54.286	-0.0029	11	-8 31 6.40	0.000	11	0.24	54.334	16	33.4	6.41	16	33.4	G5	16	5245	A -8 3875
49		8.0A	55 57.926	0.0003	13	-6 13 42.73	-0.012	13	0.27	57.920	16	33.4	42.52	16	33.4	K0	17	5257	A -5 3977
50		9.2A	55 58.633	-0.0024	12	-8 32 4.08	0.019	12	0.25	58.674	16	33.4	4.40	16	33.4	G5 R	16	5246	A -8 3877
51		8.9A	14 56 0.944	-0.0015	13	-5 36 5.31	-0.012	13	0.27	0.969	16	33.4	5.10	16	33.4	A2 F	17	5258	A -5 3978
52		9.0A	56 6.742	-0.0003	09	-2 40 59.91	-0.020	11	0.23	6.746	16	33.4	59.58	16	33.4	K0 F	17	5259	A -2 3921
53		8.0A	56 6.929	-0.0020	12	-8 51 5.89	-0.015	12	0.25	6.963	16	33.4	5.63	16	33.4	K5	16	5248	A -8 3879
54		9.1A	56 13.975	-0.0006	12	-8 52 5.28	-0.002	12	0.25	13.985	16	33.4	5.24	16	33.4	K5	16	5249	A -8 3881
55		9.1A	56 14.647	-0.0009	12	-7 6 26.94	0.007	12	0.25	14.663	16	33.4	27.05	16	33.4	F0	16	5250	A -6 4114
56		6.0T	56 16.215	-0.0241	06	-4 47 19.77	-0.100	05	0.26	17.271	10	06.1	15.61	09	08.5	F5	GC	20158K	B* -4 3783
57		9.3A	56 21.520	-0.0008	09	-0 44 57.27	-0.026	11	0.22	21.531	17	36.3	56.91	17	36.3	A5 R	21	3839	A -0 2911
58		8.5A	56 22.407	0.0016	09	-0 8 37.47	-0.041	11	0.22	22.384	17	36.3	36.92	17	36.3	K0	21	3840	A 0 3206
59		9.0A	56 31.979	-0.0024	12	-9 44 47.14	-0.002	12	0.25	32.018	16	33.4	47.10	16	33.4	G5	16	5251	A -9 4043
60		8.8A	56 37.439	0.0009	09	-1 36 31.93	-0.043	11	0.22	37.426	17	36.3	31.34	17	36.3	K2	21	3841	A -1 3003
61		8.3A	56 53.871	-0.0012	09	-2 56 32.23	-0.040	09	0.22	53.891	16	33.4	31.56	16	33.4	F8	17	5261	A -2 3923
62		9.0A	56 54.535	0.0018	12	-8 48 46.84	-0.102	12	0.25	54.505	16	33.4	45.15	16	33.4	A0	16	5253	A -8 3882
63		8.9A	56 55.146	-0.0008	12	-9 39 25.93	0.000	12	0.25	55.160	16	33.4	25.94	16	33.4	K0	16	5254	A -9 4049
64		8.6A	57 26.899	0.0023	09	-1 40 27.64	-0.029	11	0.22	26.868	17	36.3	27.25	17	36.3	K0	21	3843	A -1 3004
65		9.1A	57 39.064	0.0027	09	-2 1 15.71	-0.018	11	0.22	39.026	17	36.3	15.46	17	36.3	F2 R	21	3844	A -1 3005
66		8.4A	57 41.917	-0.0002	12	-8 56 16.18	-0.036	12	0.25	41.919	16	33.4	15.59	16	33.4	G5	16	5256	A -8 3884
67		9.2A	57 50.877	-0.0004	12	-8 47 51.52	0.039	12	0.25	50.884	16	33.4	52.16	16	33.4	G0	16	5257	A -8 3886
68		9.0A	58 9.573	-0.0006	09	-2 45 38.08	-0.009	09	0.22	9.583	16	33.4	37.93	16	33.4	G0	17	5262	A -2 3926
69		8.8A	58 16.010	-0.0041	09	-4 15 31.31	0.013	09	0.22	16.078	16	33.4	31.52	16	33.4	F5	17	5263	A -3 3706
70		5.4N	58 17.808	0.0045	01	-8 19 18.19	-0.009	01	0.05	17.964	03	15.1	17.87	02	14.2	A0	F4	1394V	-7 3938
71		9.0A	58 26.306	0.0004	13	-2 40 21.73	-0.006	13	0.27	26.299	16	33.4	21.63	16	33.4	G5	17	5264	A -2 3927
72		9.1A	58 26.752	-0.0019	09	-2 7 7.53	0.064	11	0.22	26.778	17	36.3	8.40	17	36.3	G	21	3846	A -1 3006
73		9.0A	58 30.344	-0.0034	13	-5 44 55.52	-0.044	13	0.27	30.400	16	33.4	54.78	16	33.4	F8 R	17	5265	A -5 3987
74		8.9A	58 33.329	-0.0004	12	-3 54 1.34	-0.009	13	0.26	33.335	16	33.4	1.19	16	33.4	K2	17	5266	A -3 3707
75		9.1A	58 40.486	-0.0023	13	-4 19 26.55	-0.060	13	0.27	40.524	16	33.4	25.55	16	33.4	K5 F	17	5267	A -3 3708
76		5.7T	58 43.764	0.0020	05	-2 33 28.02	-0.023	04	0.23	43.663	10	00.7	26.86	10	99.7	K5	GC	20202	B* -2 3928
77		9.0A	58 57.833	-0.0006	12	-8 15 56.68	-0.012	12	0.25	57.842	16	33.4	56.47	16	33.4	G0	16	5261	A -7 3940
78		8.8T	58 59.013	0.0007	08	-2 57 59.21	-0.094	05	0.40	58.971	15	93.0	53.51	12	89.4	K2	GC	20206K	-2 3930
79		8.6A	59 19.740	0.0001	09	-2 50 29.21	-0.048	09	0.22	19.739	16	33.4	28.41	16	33.4	K2	17	5270	A -2 3931
80		6.9T	59 23.716	-0.0023	07	-8 8 55.30	0.027	07	0.29	23.814	07	08.5	56.37	07	09.6	G5	GC	20215	-7 3943
81		6.6T	59 28.685	-0.0009	06	-7 22 45.04	-0.012	05	0.35	28.739	12	92.0	44.29	12	89.4	A3	GC	20216	-7 3944
82		8.5A	59 32.419	-0.0033	09	-1 48 55.37	-0.044	11	0.22	32.464	17	36.3	54.76	17	36.3	K5	21	3850	A -1 3008
83		6.7T	59 49.941	-0.0039	05	-7 38 39.27	-0.004	04	0.30	50.157	12	95.4	59.01	12	91.5	A2	GC	20221	-7 3946
84		9.2A	15 0 0.341	-0.0051	13	-5 24 49.45	-0.051	13	0.27	0.426	16	33.4	48.60	16	33.4	K2 F	17	5271	A -5 3994
85		8.8A	0 2.345	-0.0000	11	-4 22 7.08	0.003	11	0.24	2.345	16	33.4	7.13	16	33.4	A0	17	5272	A -3 3713
86		6.5T	0 8.852	-0.0028	09	-2 50 7.45	-0.023	10	0.59	9.009	14	93.2	6.12	18	92.2	A2	GC	20228	-2 3933
87		8.8A	0 14.371	-0.0032	09	-2 24 14.49	-0.034	11	0.22	14.414	17	36.3	14.02	17	36.3	K5	21	3851	A -2 3935
88		8.9A	0 26.358	-0.0005	13	-2 45 39.54	-0.003	13	0.27	26.367	16	33.4	39.49	16	33.4	K0	17	5275	A -2 3936
89		8.5A	0 52.315	-0.0041	13	-2 58 23.39	-0.010	13	0.27	52.382	16	33.4	23.22	16	33.4	A2	17	5277	A -2 3937
90		9.0A	0 53.709	-0.0007	13	-5 42 16.19	-0.029	13	0.27	53.720	16	33.4	15.70	16	33.4	K2 R	17	5276	A -5 3999
91		9.1A	0 56.514	-0.0012	12	-9 38 16.92	-0.014	12	0.25	56.535	16	33.4	16.70	16	33.4	A3	16	5268	A -9 4062
92		8.1Q	0 56.865	0.0008	08	-7 22 35.67	-0.009	07	0.39	56.827	14	99.7	35.18	14	97.7	M0	GC	20249	-6 4124
93		9.3A	1 7.752	0.0014	09	-3 24 16.83	-0.002	09	0.22	7.728	16	33.4	16.80	16	33.4	F2 F	17	5279	A -3 3717
94		8.8A	1 8.130	-0.0047	12	-9 6 31.96	-0.044	12	0.25	8.209	16	33.4	30.82	16	33.4	F8	16	5270	A -8 3897
95		9.0A	1 18.468	0.0013	09	-1 55 48.08	-0.015	11	0.22	18.451	17	36.3	47.87	17	36.3	K2 R	21	3852	A -1 3011
96		9.0A	1 20.012	-0.0013	13	-6 17 39.88	-0.019	13	0.27	20.034	16	33.4	39.56	16	33.4	K0 F	17	5280	A -5 4000
97		7.8Q	1 28.202	-0.0147	10	-8 41 33.41	0.007	10	0.52	28.919	14	01.3	33.73	15	01.2	G5	GC	20263K	-6 4125
98		9.1A	1 37.968	0.0003	12	-8 4 24.22	0.005	12	0.25	37.964	16	33.4	24.29	16	33.4	F8	16	5273	A -7 3951
99		8.8A	1 44.629	-0.0002	13	-5 54 32.78	-0.087	13	0.27	44.632	16	33.4	31.33	16	33.4	K0 F	17	5281	A -5 4003
00		9.2A	1 44.915	-0.0083	12	-8 48 37.46	-0.053	12	0.25	45.053	16	33.4	36.58	16	33.4	G0 R	16	5274	A -8 3900

140300

EPOCH 1950 — ORIGINAL EPOCH — SOURCE — − 00° 15H

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	CAT.	STAR NUMBER	DM NUMBER
1		7.3A	15 1 47.650	-0.0021	12	-7 51 9.40	-0.017	12	0.25	47.684	16	33.4	9.11	16	33.4	K2	16	5276	A -7 3953
2		8.9A	1 48.436	-0.0025	12	-9 59 43.74	0.012	12	0.25	48.477	16	33.4	43.93	16	33.4	K2 R	16	5275	A -9 4065
3		7.9B	1 50.004	0.0008	07	-0 42 41.96	-0.024	06	0.35	49.962	12	00.3	40.76	12	99.7	A0	GC	20272	-0 2921
4		8.8A	2 5.782	0.0010	11	-5 58 52.59	-0.006	11	0.24	5.766	16	33.4	52.48	16	33.4	K0 F	17	5282	A -5 4005
5		8.7A	2 8.933	0.0002	12	-7 49 45.04	-0.016	12	0.25	8.930	16	33.4	44.76	16	33.4	K0	16	5277	A -7 3955
6		9.0A	2 10.212	-0.0014	12	-8 37 18.86	-0.027	09	0.24	10.236	16	33.4	18.40	16	33.4	G0 R	16	5278	A -8 3901
7		8.7A	2 14.138	-0.0014	12	-9 41 59.68	0.002	12	0.25	14.163	16	33.4	59.72	16	33.4	K5 R	16	5279	A -9 4068
8		9.2A	2 14.819	-0.0011	13	-3 16 40.94	-0.025	13	0.27	14.837	16	33.4	40.56	16	33.4	K2 F	17	5283	A -2 3940
9		9.1A	2 18.076	-0.0016	13	-6 11 9.85	-0.040	13	0.27	18.102	16	33.4	9.18	16	33.4	K5 F	17	5284	A -5 4006
10		9.0A	2 25.611	-0.0011	09	-2 20 4.19	-0.018	11	0.22	25.626	17	36.3	3.94	17	36.3	K0 R	21	3855	A -1 3012
11		8.5A	2 51.387	-0.0035	09	-4 49 0.62	0.034	09	0.22	51.445	16	33.4	1.18	16	33.4	F0	17	5286	A -4 3804
12		9.0A	2 58.791	0.0015	09	-2 13 0.73	-0.072	11	0.22	58.770	17	36.3	59.74	17	36.3	K0 R	21	3857	A -1 3013
13		9.3A	3 0.128	-0.0017	09	-6 23 51.46	0.031	09	0.22	0.155	16	33.4	51.97	16	33.4	G2 F	17	5287	A -6 4131
14		8.4A	3 1.596	0.0018	09	-1 7 20.21	-0.045	11	0.22	1.571	17	36.3	19.59	17	36.3	F8	21	3859	A -0 2924
15		8.8A	3 2.784	-0.0014	09	-0 33 13.70	-0.011	11	0.22	2.803	17	36.3	13.55	17	36.3	K0	21	3860	A -0 2923
16		9.0A	3 3.056	-0.0027	11	-6 39 2.05	0.007	09	0.23	3.101	16	33.4	2.16	16	33.4	F2 R	16	5283	A -6 4132
17		8.8A	3 3.727	-0.0025	13	-4 10 29.78	-0.009	13	0.27	3.768	16	33.4	29.63	16	33.4	F5	17	5289	A -3 3725
18		7.9A	3 7.506	-0.0015	09	-1 47 33.00	-0.041	11	0.22	7.526	17	36.3	32.44	17	36.3	G5	21	3861	A -1 3014
19		8.9A	3 21.213	0.0007	13	-3 48 32.94	-0.048	13	0.27	21.200	16	33.4	32.14	16	33.4	F8	17	5290	A -3 3726
20		8.3A	3 22.925	-0.0024	12	-9 20 42.88	-0.032	12	0.25	22.965	16	33.4	42.35	16	33.4	G5	16	5284	A -8 3905
21		8.8A	3 33.510	-0.0021	12	-9 23 54.03	-0.019	12	0.25	33.545	16	33.4	53.70	16	33.4	F2	16	5286	A -9 4069
22		8.9A	3 41.364	-0.0042	06	-1 40 38.73	-0.070	11	0.22	41.421	17	36.3	37.78	17	36.3	F5	21	3862	A -1 3017
23		9.1A	3 54.712	-0.0030	11	-8 3 34.01	0.008	09	0.23	54.762	16	33.4	34.13	16	33.4	G0 R	16	5287	A -7 3957
24		9.4A	3 54.833	-0.0008	09	-2 25 29.44	0.010	09	0.22	54.846	16	33.4	28.60	16	33.4	F3 F	17	5292	A -2 3943
25		9.0A	3 57.230	0.0025	09	-2 8 39.47	-0.074	11	0.22	57.196	17	36.3	38.45	17	36.3	G0	21	3863	A -1 3018
26		9.1A	4 9.772	-0.0024	12	-2 58 41.64	-0.034	12	0.25	9.812	16	33.4	41.07	16	33.4	K5 F	17	5293	A -2 3944
27		8.6A	4 18.268	-0.0013	11	-8 34 47.64	-0.007	09	0.23	18.309	16	33.4	47.53	16	33.4	A5	16	5288	A -8 3906
28		8.8A	4 18.325	0.0000	13	-5 36 27.23	0.025	13	0.27	18.325	16	33.4	27.63	16	33.4	K2	17	5294	A -5 4011
29		8.5A	4 24.871	0.0005	09	-2 6 21.32	-0.006	11	0.22	24.863	17	36.3	21.23	17	36.3	K2	21	3864	A -1 3020
30		8.6A	4 25.338	-0.0009	11	-6 24 39.62	-0.016	11	0.24	25.352	16	33.4	39.34	16	33.4	K5 F	17	5295	A -6 4136
31		8.3B	4 28.479	0.0012	09	-8 44 12.44	-0.002	08	0.47	28.421	17	99.8	12.36	17	98.1	M0	GC	20325	-8 3908
32		8.3A	4 33.234	-0.0038	09	-2 5 21.89	-0.022	11	0.22	33.286	17	36.3	21.59	17	36.3	F8	21	3865K	A -1 3021
33		9.0A	4 51.248	0.0006	09	-2 6 50.61	-0.037	11	0.22	51.239	17	36.3	50.10	17	36.3	K0 R	21	3866	A -1 3022
34		8.8A	4 57.844	-0.0041	09	-2 22 51.40	0.005	09	0.22	57.911	16	33.4	51.48	16	33.4	F5	17	5297	A -2 3946
35		9.0A	4 57.918	-0.0051	13	-4 22 29.93	-0.025	13	0.27	58.002	16	33.4	29.51	16	33.4	G0	17	5296	A -4 3812
36		9.0A	5 22.323	0.0003	13	-4 50 24.75	0.030	13	0.27	22.317	16	33.4	25.25	16	33.4	F8	17	5298	A -4 3816
37		9.0A	5 25.781	-0.0020	13	-2 37 3.00	-0.030	13	0.27	25.814	16	33.4	2.50	16	33.4	K2	17	5299	A -2 3949
38		7.5A	5 29.001	-0.0023	13	-3 33 57.11	0.026	13	0.27	29.039	16	33.4	57.54	16	33.4	K2	17	5300	A -3 3730
39		8.1B	5 32.674	-0.0107	09	-7 42 58.33	-0.453	08	0.47	33.234	12	97.9	34.26	12	96.9	G0	GC	20360	B* -7 3963
40		9.2A	5 36.253	-0.0017	12	-5 45 32.16	-0.035	12	0.25	36.282	16	33.4	31.57	16	33.4	K5 F	17	5301	A -5 4016
41		9.3A	5 36.852	-0.0024	12	-9 37 57.27	-0.019	12	0.25	36.893	16	33.4	56.96	16	33.4	G0 R	16	5293	A -9 4075
42		8.8A	5 41.570	-0.0026	09	-0 52 22.11	-0.066	11	0.22	41.603	17	36.3	21.21	17	36.3	K5	21	3871	A -0 2930
43		7.5A	5 41.068	-0.0031	13	-5 58 7.19	-0.086	13	0.27	41.119	16	33.4	6.75	16	33.4	F5	17	5302	A -5 4017
44		8.4A	5 15.988	0.0002	13	-6 23 12.12	-0.012	13	0.27	15.964	16	33.4	11.91	16	33.4	F2	17	5303K	A -6 4141
45		8.5A	6 17.158	-0.0000	13	-5 26 7.44	0.037	13	0.27	17.159	16	33.4	8.06	16	33.4	G5	17	5304	A -5 4016
46		8.0A	6 20.538	-0.0006	09	-3 49 21.31	-0.027	09	0.22	20.548	16	33.4	20.86	16	33.4	A2	17	5305	A -3 3733
47		8.3A	6 35.082	-0.0025	09	-2 23 12.90	-0.006	09	0.22	35.134	16	33.4	12.80	16	33.4	K5	17	5306	A -2 3950
48		9.0A	6 44.516	-0.0001	12	-6 2 48.13	-0.001	12	0.25	44.517	16	33.4	48.11	16	33.4	K0 F	17	5307	A -5 4021
49		9.0A	6 52.270	-0.0013	09	-1 41 39.27	-0.033	11	0.22	52.288	17	36.3	38.82	17	36.3	K5 R	21	3874	A -1 3027
50		8.8A	6 52.835	-0.0004	11	-8 51 12.52	-0.022	11	0.24	52.842	16	33.4	12.14	16	33.4	K5 R	16	5297	A -8 3913
51		8.1A	15 6 55.702	0.0002	12	-7 40 52.03	0.023	12	0.25	55.698	16	33.4	52.40	16	33.4	K0	16	5298	A -7 3968
52		9.0A	6 55.724	-0.0015	09	-1 13 4.57	-0.015	11	0.22	55.745	17	36.3	4.36	17	36.3	K2	21	3875	A -0 2934
53		9.0A	6 56.364	-0.0008	13	-3 59 50.37	-0.005	13	0.27	56.377	16	33.4	50.28	16	33.4	F5 F	17	5308	A -3 3735
54		7.1T	6 56.895	-0.0112	05	-5 12 15.99	-0.063	04	0.22	57.375	07	07.3	13.28	07	07.0	K0	GC	20364	-4 3818
55		9.4A	6 58.885	-0.0040	12	-8 2 59.98	0.053	12	0.25	58.951	16	33.4	+ 0.85	16	33.4	K2 R	16	5299	A -7 3969
56		8.0A	7 0.821	0.0027	13	-3 39 26.20	-0.167	13	0.27	0.775	16	33.4	23.42	16	33.4	K0	17	5310	A -3 3736
57		7.9A	7 16.726	-0.0035	11	-6 31 40.89	0.013	11	0.24	16.785	16	33.4	41.10	16	33.4	F5	17	5311	A -6 4146
58		9.1A	7 16.791	-0.0011	12	-7 46 29.26	-0.018	12	0.25	16.810	16	33.4	28.95	16	33.4	G0 R	16	5300	A -7 3971
59		9.0A	7 17.626	-0.0017	09	-2 13 57.67	-0.016	11	0.22	17.648	17	36.3	57.45	17	36.3	K5	21	3877	A -1 3028
60		8.0A	7 24.020	-0.0042	09	-0 41 26.17	-0.011	11	0.22	24.077	17	36.3	26.03	17	36.3	F0	21	3878	A -0 2936
61		8.9A	7 34.177	-0.0031	12	-7 50 19.87	0.005	12	0.25	34.228	16	33.4	19.94	16	33.4	A0	16	5302	A -7 3972
62		9.3A	7 39.422	-0.0031	12	-9 41 49.05	-0.025	12	0.25	39.473	16	33.4	48.63	16	33.4	G0 R	16	5303	A -9 4080
63		8.5A	7 40.422	-0.0005	09	-0 52 14.08	0.014	11	0.22	40.428	17	36.3	14.28	17	36.3	A0	21	3879	A -0 2937
64		9.3A	7 40.501	-0.0005	11	-3 52 7.54	0.006	11	0.24	40.508	16	33.4	7.64	16	33.4	K5 R	17	5314	A -3 3738
65		8.2A	8 1.295	-0.0046	12	-7 21 22.11	0.030	12	0.25	1.372	16	33.4	22.60	16	33.4	G0	16	5304	A -6 4147
66		8.4A	8 28.158	0.0017	11	-3 22 43.95	-0.008	11	0.24	28.130	16	33.4	43.81	16	33.4	F5	17	5315	A -3 3740
67		9.1A	8 35.757	-0.0014	11	-9 54 36.29	-0.012	11	0.24	35.781	16	33.4	36.08	16	33.4	K0 R	16	5305	A -9 4081
68		7.0T	8 59.583	-0.0014	10	-2 4 19.36	-0.029	10	0.55	59.658	15	94.9	17.81	15	96.6	F0	GC	20424	-1 3030
69		9.4A	9 3.698	-0.0006	12	-9 39 48.14	-0.049	12	0.25	3.707	16	33.4	47.33	16	33.4	G5 R	16	5307	A -9 4083
70		8.7A	9 3.932	-0.0007	11	-5 39 1.94	-0.010	11	0.24	3.944	16	33.4	1.76	16	33.4	K0	17	5316	A -5 4029
71		9.0A	9 5.419	-0.0039	15	-5 17 13.06	-0.084	15	0.30	5.484	16	33.4	12.66	16	33.4	G0 R	17	5317	A -4 3827
72		8.0T	9 6.379	-0.0022	07	-5 17 41.24	-0.020	04	0.35	6.508	14	93.2	39.96	12	86.1	A0	GC	20427	-4 3828
73		7.9A	9 10.303	-0.0006	09	-8 39 8.37	-0.003	09	0.22	10.312	16	33.4	8.31	16	33.4	K5	16	5309	A -8 3918
74		9.5A	9 16.317	-0.0031	15	-3 29 37.45	-0.084	15	0.30	16.368	16	33.4	36.36	16	33.4	G5 F	17	5319	A -3 3741
75		8.4A	9 18.879	0.0023	12	-7 51 18.89	-0.013	12	0.25	18.841	16	33.4	18.46	16	33.4	K5	16	5310	A -7 3974
76		8.7A	9 34.038	-0.0025	11	-6 35 58.57	-0.031	11	0.24	34.079	16	33.4	58.04	16	33.4	A5	16	5311	A -6 4154
77		9.0A	9 44.280	-0.0013	11	-8 28 21.37	0.014	11	0.24	44.302	16	33.4	21.59	16	33.4	F8 F	17	5320	A -8 4155
78		8.9A	10 3.083	-0.0014	12	-7 55 15.74	0.011	12	0.25	3.106	16	33.4	15.91	16	33.4	K2	16	5313	A -7 3978
79		7.2A	10 3.486	0.0015	02	-0 11 41.05	-0.016	11	0.22	3.465	17	36.3	40.84	17	36.3	K5	21	3883	A 0 3318
80		9.1A	10 13.628	-0.0163	09	-0 58 32.15	-0.312	11	0.22	13.650	17	36.3	27.88	17	36.3	K0	21	3884	A -0 2941
81		9.0A	10 17.220	-0.0011	09	-1 9 55.41	-0.015	11	0.22	17.234	17	36.3	55.21	17	36.3	K0	21	3885	A -0 2940
82		8.6A	10 22.235	-0.0007	12	-9 38 28.14	-0.027	09	0.24	22.246	16	33.4	27.70	16	33.4	F8	16	5314	A -9 4090
83		8.0A	10 23.664	-0.0073	09	-3 30 19.79	-0.058	09	0.22	23.785	16	33.4	19.16	16	33.4	G5	17	5321	A -3 3744
84		8.0A	10 32.756	-0.0006	13	-4 28 45.07	0.003	13	0.27	32.766	16	33.4	45.12	16	33.4	A3	17	5322	A -4 3832
85		9.0A	10 34.288	-0.0002	09	-1 12 54.64	-0.021	11	0.22	34.289	17	36.3	54.36	17	36.3	F8	21	3886	A -0 2942
86		9.0A	10 47.681	-0.0049	09	-0 57 44.50	-0.086	11	0.22	47.748	17	36.3	43.60	17	36.3	K0	21	3887	A -0 2943
87		8.9A	10 54.674	0.0000	08	-1 27 12.71	-0.003	11	0.22	54.674	17	36.3	12.67	17	36.3	K0	21	3888	A -1 3033
88		9.0A	11 3.623	-0.0023	11	-8 25 55.77	-0.148	11	0.24	3.661	16	33.4	53.30	16	33.4	G0 R	16	5316	A -8 3922
89		9.0A	11 7.747	-0.0004	09	-8 21 22.51	0.011	09	0.22	7.753	16	33.4	22.68	16	33.4	A5	16	5317	A -7 3981
90		7.4A	11 15.074	0.0047	11	-9 18 25.82	-0.061	11	0.24	14.996	16	33.4	24.81	16	33.4	G0	16	5318	A -8 3923
91		8.9A	11 16.860	-0.0021	11	-5 34 -7.33	0.013	11	0.24	16.894	16	33.4	7.55	16	33.4	A5	17	5323	A -5 4033
92		6.7T	11 20.211	-0.0856	07	-1 9 30.72	-0.491	08	0.46	25.379	10	89.6	1.17	09	89.8	K0	GC	20475K	B* -0 2944
93		8.9A	11 22.950	-0.0035	11	-8 34 52.14	0.012	12	0.24	23.007	16	33.4	52.35	16	33.4	F0	16	5319	A -8 3924
94		8.8A	11 23.234	-0.0000	12	-7 52 15.89	-0.003	12	0.25	23.235	16	33.4	15.83	16	33.4	A0	16	5320	A -7 3982
95		9.0A	11 23.820	-0.0030	09	-2 13 51.70	-0.019	11	0.22	23.861	17	36.3	51.44	17	36.3	K5	21	3889	A -1 3035
96		9.2A	11 25.084	-0.0500	12	-3 36 51.57	0.189	12	0.25	25.914	16	33.4	54.38	16	33.4	K5 F	17	5325	A -3 3746
97		9.1A	11 25.959	0.0013	12	-8 22 38.17	0.084	12	0.25	25.938	16	33.4	38.56	16	33.4	F8 R	16	5321	A -8 3925
98		8.0I	11 26.210	-0.0028	10	-1 42 2.44	-0.009	11	0.52	26.328	18	04.7	2.03	19	04.1	M5E	GC	20476V	B* -1 3036
99		9.0A	11 29.807	-0.0002	13	-3 56 42.27	-0.000	13	0.27	29.810	16	33.4	42.27	16	33.4	K5	17	5326	A -3 3747
00		9.1A	11 36.157	-0.0078	12	-3 50 41.62	-0.097	12	0.25	36.267	16	33.4	40.00	16	33.4	G5	17	5327	A -3 3748

140400			EPOCH 1950								ORIGINAL EPOCH						SP.	SOURCE		− 0° 15H
NUMBER	MAGNITUDES		α_{1950}	μ	σ_μ	δ_{1950}	μ'	$\sigma_{\mu'}$	σ_{1950}		α_2	σ	ep.	δ_2	σ'	ep.		CAT.	STAR NUMBER	DM NUMBER
	m_{pg}	m_v	h m s	s	″.001	° ′ ″	″	″.001	″		s	″.01		″	″.01					
1		8.9A	15 11 40.022	-0.0006	12	-8 39 31.62	-0.024	12	0.25		40.031	16	33.4	31.21	16	33.4	K2	16	5322	A -8 3927
2		8.1A	11 49.407	0.0003	11	-5 45 50.27	-0.040	11	0.24		49.401	16	33.4	49.60	16	33.4	F0	17	5328	A -5 4034
3		7.2T	11 52.091	-0.0022	07	-3 10 44.96	-0.012	06	0.35		52.199	12	99.8	44.31	14	96.4	A0	GC	20486	-2 3960
4		8.4A	11 52.645	0.0001	12	-8 1 37.82	0.013	12	0.25		52.643	16	33.4	38.03	16	33.4	G5	16	5323	A -7 3985
5		8.4A	12 2.219	-0.0010	12	-7 17 19.40	-0.032	11	0.24		2.236	16	33.4	18.86	16	33.4	A0	16	5324	A -6 4160
6		9.0A	12 8.940	0.0007	13	-4 28 1.62	0.002	13	0.27		8.927	16	33.4	1.65	16	33.4	F8	17	5330K	A -4 3838
7		9.2A	12 10.333	-0.0040	12	-4 22 48.53	-0.016	12	0.25		10.400	16	33.4	48.26	16	33.4	K0 F	17	5331	A -4 3839
8		6.5T	12 12.215	-0.0014	12	-5 19 4.43	0.001	12	0.71		12.299	17	91.8	4.48	18	91.9	K2	GC	20491	-4 3840
9		8.7A	12 17.584	0.0001	11	-5 44 10.30	0.011	11	0.24		17.583	16	33.4	10.47	16	33.4	K0	17	5333	A -5 4038
10		8.2A	12 21.905	0.0000	09	-2 13 46.30	-0.036	11	0.22		21.905	17	36.3	45.81	17	36.3	MB	21	3893	A -1 3041
11		9.5A	12 23.922	-0.0045	13	-5 14 13.31	0.008	13	0.27		23.996	16	33.4	13.44	16	33.4	F5 F	17	5334	A -4 3843
12		9.3A	12 25.654	0.0015	11	-9 52 46.28	-0.037	11	0.24		25.630	16	33.4	45.66	16	33.4	F8 R	16	5325	A -9 4097
13		8.5A	12 32.741	-0.0017	09	-0 59 21.17	-0.028	11	0.22		32.764	17	36.3	20.79	17	36.3	A0 F	21	3894	A -0 2946
14		9.3A	12 35.081	-0.0010	13	-2 42 7.32	-0.001	13	0.27		35.097	16	33.4	7.30	16	33.4	F2 F	17	5336	A -2 3962
15		9.0A	12 40.627	-0.0069	13	-2 33 8.73	-0.032	13	0.27		40.741	16	33.4	8.20	16	33.4	G5	17	5337	A -2 3963
16		9.1A	12 44.466	-0.0010	12	-7 38 43.31	-0.006	11	0.24		44.483	16	33.4	43.20	16	33.4	K0 R	16	5327	A -7 3987
17		8.9A	12 55.666	-0.0014	12	-6 58 20.97	0.013	12	0.25		55.689	16	33.4	21.18	16	33.4	F2	16	5328	A -6 4162
18		9.0A	13 5.153	-0.0011	13	-6 12 52.98	0.011	13	0.27		5.171	16	33.4	53.15	16	33.4	F2 F	17	5338	A -5 4039
19		9.2A	13 10.451	-0.0017	13	-4 51 48.58	-0.005	13	0.27		10.479	16	33.4	48.49	16	33.4	F0 F	17	5339	A -4 3846
20		8.8A	13 16.401	-0.0002	13	-5 25 41.65	0.012	13	0.27		16.404	16	33.4	41.85	16	33.4	K0	17	5340	A -5 4040
21		7.5A	13 23.506	0.0015	13	-4 42 49.23	-0.016	13	0.27		23.481	16	33.4	48.96	16	33.4	F8	17	5341K	A -4 3847
22		9.0A	13 23.988	-0.0006	09	-2 10 18.56	-0.050	11	0.22		23.996	17	36.3	17.87	17	36.3	K2	21	3897	A -1 3042
23		8.2A	13 24.559	-0.0021	12	-6 33 9.52	-0.019	12	0.25		24.593	16	33.4	9.19	16	33.4	A0	16	5332	A -6 4164
24		8.9A	13 40.832	-0.0089	09	-1 32 58.04	0.044	11	0.22		40.953	17	36.3	58.64	17	36.3	K0	21	3898	A -1 3043
25		8.8A	13 51.251	-0.0011	12	-7 3 10.04	0.006	11	0.24		51.269	16	33.4	10.13	16	33.4	K0	16	5335	A -6 4167
26		8.4A	13 55.078	-0.0060	12	-9 1 17.49	-0.059	12	0.25		55.178	16	33.4	16.50	16	33.4	F2	16	5336	A -8 3934
27		9.1A	14 1.527	-0.0034	13	-4 47 43.49	-0.002	13	0.27		1.583	16	33.4	43.45	16	33.4	A5	17	5343	A -4 3851
28		8.0T	14 12.370	-0.0062	07	-8 5 58.04	-0.235	05	0.35		12.690	14	98.6	43.66	14	88.9	G5	GC	20537K	B* -7 3992
29		8.9A	14 17.007	-0.0025	13	-5 39 36.93	-0.005	13	0.27		17.049	16	33.4	36.84	16	33.4	F0	17	5344	A -5 4044
30		2.7H	14 18.732	-0.0066	01	-9 11 58.93	-0.023	01	0.03		19.029	02	05.3	57.89	02	05.4	B8	F4	564	-8 3935
31		7.6T	14 32.914	0.0001	11	-7 40 27.09	0.002	18	0.72		32.911	18	00.2	27.16	19	04.2	K0	GC	20545	-7 3994
32		8.9A	14 35.337	-0.0015	12	-8 26 33.13	0.002	12	0.25		35.362	16	33.4	33.15	16	33.4	F0	16	5342	A -8 3937
33		7.3A	14 38.445	-0.0035	09	-4 0 4.64	-0.014	09	0.22		38.504	16	33.4	4.41	16	33.4	F0	17	5345	A -3 3757
34		8.5A	14 52.550	-0.0037	12	-7 19 35.17	-0.076	12	0.25		52.612	16	33.4	33.90	16	33.4	F0	16	5344	A -6 4170
35		7.5A	15 3.186	-0.0053	13	-5 1 11.82	-0.018	13	0.27		3.274	16	33.4	11.52	16	33.4	K0	17	5346	A -4 3855
36		7.3A	15 4.561	0.0001	13	-4 18 43.77	0.016	13	0.27		4.558	16	33.4	44.03	16	33.4	A0	17	5347	A -3 3758
37		7.3T	15 5.960	-0.0021	08	-0 48 9.51	0.019	08	0.42		6.061	14	00.7	10.44	15	01.5	G5	GC	20558	-0 2948
38		9.2A	15 6.100	-0.0019	09	-0 13 14.20	-0.028	11	0.22		6.125	17	36.3	13.82	17	36.3	A0	21	3901	A 0 3334
39		9.2A	15 25.343	0.0019	11	-3 15 14.55	0.003	11	0.24		26.311	16	33.4	14.60	16	33.4	K2 F	17	5348	A -2 3971
40		8.9A	15 36.498	-0.0061	13	-5 3 42.20	0.051	13	0.27		36.600	16	33.4	43.05	16	33.4	G5	17	5349	A -4 3857
41		9.0A	15 42.359	-0.0066	09	-1 24 56.46	-0.091	11	0.22		42.449	17	36.3	55.21	17	36.3	G5	21	3903	A -1 3044
42		8.6A	15 49.134	0.0007	12	-9 36 8.45	-0.005	12	0.25		49.123	16	33.4	8.36	16	33.4	G5	16	5345	A -9 4116
43		9.3A	15 50.350	-0.0012	09	-7 14 16.45	-0.017	12	0.25		50.370	16	33.4	16.16	16	33.4	K2 R	16	5346	A -6 4171
44		6.0T	15 52.105	0.0002	09	-0 16 47.41	-0.010	08	0.45		52.094	15	02.9	46.93	15	99.9	K5	GC	20570	0 3337
45		8.0A	15 53.160	-0.0010	09	-0 36 13.13	-0.087	11	0.22		53.173	17	36.3	11.94	17	36.3	G0	21	3905	A -0 2949
46		7.3A	15 54.214	-0.0016	12	-8 12 56.09	-0.014	12	0.25		54.240	16	33.4	55.85	16	33.4	K0 R	16	5347	A -7 3999
47		9.0A	15 58.173	0.0044	09	-0 24 57.60	-0.003	11	0.22		58.113	17	36.3	57.57	17	36.3	K0 R	21	3906	A -0 2950
48		8.0A	16 2.608	0.0017	13	-2 37 6.86	-0.053	13	0.27		2.579	16	33.4	5.98	16	33.4	F8	17	5350	A -2 3972
49		8.7A	16 5.493	-0.0000	11	-5 20 17.91	-0.009	11	0.24		5.494	16	33.4	17.76	16	33.4	G5	17	5351K	A -4 3858
50		8.5A	16 18.096	0.0002	12	-7 43 22.81	-0.004	12	0.25		18.092	16	33.4	22.73	16	33.4	K2	16	5349	A -7 4001
51		8.2A	15 16 20.269	-0.0035	09	-4 21 52.46	0.023	09	0.22		20.327	16	33.4	52.84	16	33.4	F5	17	5352	A -4 3859
52		7.0T	16 20.809	-0.0078	11	-1 24 42.11	0.012	11	0.56		21.196	15	00.1	42.70	15	01.3	F8	GC	20583	-1 3045
53		9.1A	16 25.992	-0.0015	12	-9 11 58.71	-0.019	12	0.25		26.017	16	33.4	58.40	16	33.4	G0	16	5352	A -8 3945
54		9.1A	16 35.310	-0.0014	12	-9 20 35.20	-0.071	12	0.25		35.334	16	33.4	34.03	16	33.4	K2 R	16	5353	A -8 3946
55		9.0A	16 38.773	0.0062	09	-1 59 8.04	-0.095	11	0.22		38.688	17	36.3	6.74	17	36.3	A0	21	3909	A -1 3046
56		7.5T	16 39.893	0.0006	06	-8 57 54.74	-0.065	06	0.35		39.857	15	95.6	51.15	14	94.3	MB	GC	20588	-8 3947
57		9.1A	16 45.407	-0.0009	12	-4 8 42.37	0.007	12	0.25		45.422	16	33.4	42.48	16	33.4	K0 F	17	5353	A -3 3762
58		9.0A	16 48.674	-0.0095	13	-3 38 6.04	-0.136	13	0.27		48.831	16	33.4	3.78	16	33.4	G5	17	5354	A -3 3763
59		8.9A	17 10.443	0.0007	09	-6 18 11.15	0.008	09	0.22		10.432	16	33.4	11.28	16	33.4	G8 F	17	5355	A -5 4053
60		9.1A	17 18.272	0.0005	09	-3 4 49.96	0.008	09	0.22		18.264	16	33.4	50.09	16	33.4	K5 F	17	5356	A -2 3974
61		7.7Q	17 18.287	0.0063	12	-8 28 43.25	-0.196	11	0.53		18.011	15	05.8	34.27	15	04.3	F8	GC	20602	B* -8 3949
62		9.0A	17 18.310	-0.0022	12	-8 27 13.45	-0.028	12	0.25		18.347	16	33.4	12.97	16	33.4		16	5357	A -8 3950
63		9.4A	17 24.842	0.0005	09	-3 44 5.14	-0.038	09	0.22		24.834	16	33.4	4.51	16	33.4	G5 F	17	5357	A -3 3764
64		9.2A	17 25.152	-0.0020	13	-3 37 46.28	0.033	13	0.27		25.185	16	33.4	46.83	16	33.4	K2 F	17	5358	A -3 3765
65		9.0A	17 38.504	-0.0014	09	-0 2 24.48	-0.012	11	0.22		38.523	17	36.3	24.32	17	36.3	K2 R	21	3913	A 0 3343
66		8.9A	17 46.381	-0.0023	09	-0 16 41.91	-0.019	11	0.22		46.412	17	36.3	41.66	17	36.3	F5	21	3914	A 0 3345
67		9.1A	17 50.232	0.0012	11	-7 53 54.46	-0.007	11	0.24		50.213	16	33.4	54.33	16	33.4	F8 R	16	5359	A -7 4004
68		9.2A	17 51.292	-0.0006	12	-9 32 17.09	-0.014	12	0.25		51.301	16	33.4	16.87	16	33.4	G0	16	5358	A -9 4126
69		8.9A	17 52.394	-0.0020	09	-0 59 55.96	-0.062	11	0.22		52.421	17	36.3	55.11	17	36.3	K2	21	3915	A -0 2952
70		9.0A	17 57.723	-0.0003	12	-7 12 48.31	0.009	11	0.24		57.728	16	33.4	48.45	16	33.4	K5 R	16	5360	A -6 4177
71		6.7T	17 58.173	0.0025	10	-4 56 24.24	-0.005	09	0.54		58.034	15	95.1	23.95	17	94.9	K0	GC	20616	-4 3866
72		8.7A	18 2.123	-0.0005	13	-3 20 23.66	-0.001	13	0.27		2.130	16	33.4	23.64	16	33.4	K2	17	5360	A -2 3977
73		6.5T	18 12.072	-0.0171	08	-2 13 53.72	-0.179	10	0.48		12.961	14	97.9	44.81	14	00.2	K2	GC	20626	-1 3047
74		5.8T	18 28.883	-0.0036	08	-5 38 44.35	-0.019	07	0.33		29.029	12	09.1	43.63	12	12.5	K2	GC	20636	B* -5 4057
75		7.4T	18 29.644	0.0009	06	-6 26 1.65	0.012	05	0.24		29.603	07	06.5	2.14	07	07.9	K2	GC	20638	-6 4181
76		8.0A	18 33.058	0.0015	09	-0 3 7.80	-0.024	11	0.22		33.038	17	36.3	7.48	17	36.3	G5	21	3919	A 0 3348
77		7.8A	18 34.195	0.0001	11	-8 37 45.59	-0.002	09	0.23		34.193	16	33.4	45.54	16	33.4	K0	16	5362	A -8 3953
78		9.0A	18 40.073	0.0011	11	-7 34 55.60	-0.004	11	0.24		40.055	16	33.4	55.52	16	33.4	G5	16	5363	A -7 4005
79		9.0A	18 42.725	0.0014	13	-2 54 1.07	-0.026	13	0.27		42.701	16	33.4	0.64	16	33.4	K2 F	17	5364	A -2 3980
80		7.6T	18 53.389	-0.0128	09	-6 38 50.74	-0.027	07	0.46		54.091	15	95.4	49.20	15	93.7	F8	GC	20648	-6 4183
81		9.1A	18 54.159	-0.0002	09	-5 3 50.17	-0.008	09	0.22		54.162	16	33.4	50.04	16	33.4	K0 F	17	5365	A -4 3868
82		8.5A	18 56.259	-0.0008	09	-0 41 37.75	-0.010	11	0.22		56.270	17	36.3	37.62	17	36.3	K0	21	3920	A -0 2956
83		8.2A	18 58.533	-0.0006	12	-8 28 40.76	-0.001	12	0.25		58.542	16	33.4	40.73	16	33.4	G3	16	5365	A -8 3956
84		9.0A	19 9.480	0.0013	09	-1 50 4.86	-0.104	11	0.22		9.462	17	36.3	3.43	17	36.3	G5	21	3921	A -1 3050
85		9.4A	19 11.323	-0.0019	12	-9 27 48.03	0.022	12	0.25		11.355	16	33.4	48.38	16	33.4	F8 R	16	5366	A -9 4129
86		9.0A	19 16.790	0.0006	09	-3 54 28.33	0.012	09	0.22		16.780	16	33.4	28.53	16	33.4	A2	17	5366	A -3 3770
87		9.0A	19 26.765	-0.0003	11	-8 4 9.21	-0.008	11	0.24		26.770	16	33.4	9.07	16	33.4	G0	16	5367	A -7 4007
88		9.0A	19 27.115	-0.0199	13	-4 35 56.10	0.008	13	0.27		27.444	16	33.4	56.23	16	33.4	M0 R	17	5367	A -4 3873
89		8.6A	19 32.859	0.0028	11	-5 25 36.39	-0.008	11	0.24		32.813	16	33.4	36.26	16	33.4	K2	17	5368	A -5 4060
90		8.8A	19 46.328	-0.0006	12	-7 7 43.88	-0.031	12	0.25		46.336	16	33.4	43.35	16	33.4	G5	16	5368	A -6 4189
91		9.4A	19 57.546	0.0011	12	-9 47 22.62	-0.007	12	0.25		57.528	16	33.4	22.51	16	33.4	F8 R	16	5370	A -9 4131
92		8.5A	20 4.343	-0.0001	09	-1 21 29.18	-0.022	11	0.22		4.344	17	36.3	28.88	17	36.3	K2	21	3922	A -1 3051
93		8.4A	20 11.951	0.0007	12	-8 56 52.65	-0.003	12	0.25		11.939	16	33.4	52.59	16	33.4	G0	16	5371	A -8 3962
94		9.6A	20 14.323	-0.0001	11	-8 15 8.65	0.001	11	0.24		14.328	16	33.4	8.66	16	33.4	K0	16	5372	A -7 4012
95		8.9A	20 19.677	0.0003	12	-8 41 27.76	0.010	12	0.25		19.672	16	33.4	27.91	16	33.4	K2	16	5373	A -8 3963
96		8.6A	20 34.145	0.0010	09	-3 5 25.11	-0.003	09	0.22		34.128	16	33.4	25.06	16	33.4	K0	17	5370	A -2 3985
97		9.0A	20 34.745	0.0012	13	-5 31 50.40	-0.010	13	0.27		34.726	16	33.4	50.22	16	33.4	K0 R	17	5369	A -5 4063
98		9.1A	20 38.904	0.0003	13	-3 7 4.71	-0.024	13	0.27		38.899	16	33.4	4.31	16	33.4	G5	17	5371	A -2 3987
99		7.4T	20 46.340	-0.0012	12	-6 25 54.45	-0.119	11	0.59		46.398	14	99.1	48.39	14	99.2	K0	GC	20691	-6 4193
00		9.2A	20 55.749	-0.0022	12	-9 39 9.25	-0.005	12	0.25		55.786	16	33.4	9.16	16	33.4	K2 R	16	5376	A -9 4135

140500			EPOCH 1950												ORIGINAL EPOCH								SP.		SOURCE		- 0° 15H
NUMBER	MAGNITUDES		α_{1950}			μ	σ_μ	δ_{1950}			μ'	$\sigma_{\mu'}$	σ_{1950}		α_2	σ	ep.	δ_2	σ'	ep.			CAT.	STAR NUMBER	DM NUMBER	
	m_{pg}	m_v	h	m	s	s	.001	°	′	″	″	.001	″		s	.01		″	.01							
1		9.1A	15	21	8.051	-0.0025	13	-3	37	18.82	-0.003	13	0.27		8.093	16	33.4	18.87	16	33.4	KO	F	17	5373	A -3 3775	
2		6.1H	21	8	8.845	0.0049	02	-0	30	43.12	-0.033	02	0.06		8.677	03	16.2	42.00	03	15.9	FO		F4	1406	-0 2961	
3		9.2A	21	12	8.656	-0.0017	12	-7	57	26.05	-0.084	12	0.25		12.685	16	33.4	25.64	16	33.4	KO	R	16	5378	A -7 4014	
4		9.0A	21	16	38.387	0.0000	13	-3	29	38.25	0.033	13	0.27		16.387	16	33.4	38.78	16	33.4	A5	F	17	5374	A -3 3776	
5		8.2A	21	33	8.687	-0.0002	12	-8	18	26.83	0.003	12	0.25		33.691	16	33.4	26.87	16	33.4	KO		16	5380	A -7 4015	
6		8.7A	21	38	8.643	-0.0058	13	-4	10	10.94	-0.033	13	0.27		38.939	16	33.4	10.39	16	33.4	G5		17	5375	A -3 3777	
7		8.5A	21	42	7.747	-0.0018	13	-4	55	21.67	-0.003	13	0.27		42.777	16	33.4	21.62	16	33.4	KO		17	5376	A -4 3880	
8		9.2A	21	44	1.148	-0.0029	12	-9	27	37.49	-0.005	11	0.24		44.197	16	33.4	37.41	16	33.4	A5		16	5381	A -9 4139	
9		9.0A	21	46	5.86	-0.0084	11	-6	2	13.17	-0.033	11	0.24		46.566	16	33.4	12.61	16	33.4	KO	R	17	5377	A -5 4086	
10		7.1T	21	46	9.993	-0.0018	08	-0	22	5.51	0.011	07	0.40		47.083	14	98.6	6.12	15	96.3	A2		GC	20705	-0 2963	
11		8.9A	21	50	8.631	0.0080	13	-5	4	25.42	-0.012	13	0.27		50.598	16	33.4	25.22	16	33.4	K5		17	5378	A -4 3881	
12		9.1A	21	53	1.52	-0.0081	09	-2	0	42.99	-0.078	11	0.22		53.282	17	36.3	41.92	17	36.3	KO		21	3926	A -1 3053	
13		9.1A	21	59	6.620	-0.0025	13	-5	6	57.18	-0.032	13	0.27		59.662	16	33.4	56.65	16	33.4	G0	R	17	5379	A -4 3882	
14		9.1A	22	2	2.310	-0.0085	12	-9	44	16.13	-0.056	12	0.25		2.452	16	33.4	15.17	16	33.4	G0		16	5382	A -9 4140	
15		8.8A	22	12	0.054	-0.0001	13	-6	6	15.81	0.018	13	0.27		12.055	16	33.4	16.10	16	33.4	KO		17	5380	A -5 4087	
16		9.1A	22	17	6.70	-0.0015	11	-8	10	0.72	-0.002	11	0.24		17.695	16	33.4	0.68	16	33.4	G0		16	5383	A -7 4018	
17		8.7A	22	19	3.92	-0.0000	09	-2	3	34.46	0.008	11	0.22		19.362	17	36.3	34.58	17	36.3	M8		21	3928	A -1 3054	
18		9.2B	22	19	4.25	-0.0009	12	-9	12	4.56	-0.005	09	0.32		19.469	17	03.1	4.33	17	00.0	K0		GC	20718	-8 3984	
19		7.5T	22	25	2.25	-0.0008	08	-6	4	13.82	0.003	07	0.41		25.374	14	97.7	13.76	14	96.8	K0		GC	20721	-5 4089	
20		7.7A	22	27	7.98	0.0007	13	-5	44	36.73	-0.008	13	0.27		27.787	16	33.4	36.59	16	33.4	MA		17	5382	A -5 4070	
21		9.2A	22	45	1.84	0.0007	09	-1	18	45.33	-0.054	11	0.22		45.114	17	36.3	44.60	17	36.3	F8		21	3929	A -0 2964	
22		8.5A	22	45	5.95	-0.0029	09	-5	33	54.03	0.031	09	0.22		45.583	16	33.4	54.54	16	33.4	A0		17	5383	A -5 4071	
23		9.0A	23	7	6.83	0.0006	13	-4	10	56.54	0.008	13	0.27		7.653	16	33.4	56.67	16	33.4	K2	R	17	5384	A -3 3780	
24		9.0A	23	7	8.54	0.0016	13	-4	19	46.45	0.004	13	0.27		7.827	16	33.4	46.52	16	33.4	KO		17	5385	A -3 3779	
25		9.0A	23	8	9.82	-0.0019	11	-7	4	39.45	0.002	09	0.23		9.014	16	33.4	39.47	16	33.4	K2	R	16	5386	A -6 4199	
26		7.5A	23	9	8.47	-0.0099	09	-1	4	45.85	-0.033	11	0.22		9.928	17	36.3	45.41	17	36.3	F2		21	3930	A -0 2965	
27		8.2A	23	31	5.75	-0.0041	13	-2	47	45.01	-0.071	13	0.27		31.644	16	33.4	43.83	16	33.4	KO		17	5386	A -2 3992	
28		9.0A	23	33	1.30	-0.0001	09	-0	53	4.07	-0.076	11	0.22		33.131	17	36.3	3.03	17	36.3	G0		21	3932	A -0 2967	
29		9.2A	23	43	2.59	-0.0072	11	-8	9	59.50	-0.061	11	0.24		43.378	16	33.4	58.48	16	33.4	G5		16	5387	A -7 4022	
30		9.3A	23	48	8.94	-0.0032	12	-9	47	50.80	-0.039	12	0.25		48.947	16	33.4	50.14	16	33.4	F8		16	5388	A -9 4144	
31		9.0A	23	58	6.81	-0.0012	13	-4	33	41.58	-0.020	13	0.27		58.701	16	33.4	41.24	16	33.4	KO	F	17	5387	A -4 3887	
32		8.3A	23	59	7.50	-0.0030	11	-5	28	54.88	0.049	11	0.24		59.800	16	33.4	55.70	16	33.4	F5		17	5388K	A -5 4076	
33		9.0A	24	2	5.39	-0.0017	12	-6	58	28.71	0.008	11	0.24		2.567	16	33.4	28.83	16	33.4	G0		16	5389	A -6 4204	
34		8.8A	24	5	7.57	0.0001	13	-5	43	59.82	-0.006	13	0.27		5.754	16	33.4	59.71	16	33.4	G0		17	5389	A -5 4078	
35		9.0A	24	6	7.06	0.0001	11	-5	32	37.48	-0.020	11	0.24		6.704	16	33.4	37.14	16	33.4	G5	R	17	5390	A -5 4077	
36		9.0A	24	13	9.96	-0.0004	12	-8	59	22.68	-0.017	12	0.25		13.955	16	33.4	22.39	16	33.4	G5		16	5390	A -8 3972	
37		9.0A	24	17	5.68	-0.0015	12	-7	59	20.37	0.004	12	0.25		17.592	16	33.4	20.42	16	33.4	F8		16	5391	A -7 4084	
38		9.1A	24	19	1.81	-0.0034	12	-6	53	2.56	0.002	11	0.24		19.238	16	33.4	2.58	16	33.4	K2		16	5392	A -6 4206	
39		8.5A	24	25	5.07	-0.0016	13	-5	23	16.96	0.007	13	0.27		25.099	16	33.4	17.07	16	33.4	G0		17	5391	A -3 3784	
40		8.1B	24	29	4.44	-0.0004	08	-5	38	38.06	-0.007	07	0.42		29.460	14	99.6	37.68	14	97.5	K5		GC	20762	-5 4079	
41		9.1A	24	38	4.19	-0.0028	12	-7	58	10.97	-0.015	12	0.25		38.466	16	33.4	10.71	16	33.4	G5		16	5393	A -7 4026	
42		8.6A	24	42	9.75	-0.0008	09	-1	39	24.75	-0.080	11	0.22		42.985	17	36.3	24.47	17	36.3	KO		21	3934	A -1 3057	
43		8.1A	24	43	7.51	-0.0037	09	-2	51	54.16	-0.047	09	0.22		43.688	16	33.4	53.58	16	33.4	K2		17	5393	A -2 3995	
44		9.0A	24	47	1.67	-0.0127	12	-9	19	17.64	-0.075	12	0.25		47.378	16	33.4	16.38	16	33.4	G5		16	5394	A -8 3977	
45		7.8A	24	56	7.48	-0.0088	12	-8	46	31.06	-0.015	12	0.25		56.861	16	33.4	30.82	16	33.4	KO		16	5395	A -8 3979	
46		9.1A	25	0	7.31	0.0009	12	-9	48	49.62	0.017	11	0.24		0.716	16	33.4	49.89	16	33.4	MA	R	16	5396	A -9 4147	
47		8.5A	25	11	4.96	-0.0014	09	-0	26	29.66	-0.043	11	0.22		11.515	17	36.4	29.08	17	36.4	A2		21	3935	A -0 2971	
48		8.8A	25	23	7.86	-0.0007	17	-3	35	51.86	-0.023	15	0.30		23.797	16	33.4	51.48	16	33.4	F8	F	17	5394	A -3 3769	
49		9.3A	25	25	5.17	-0.0011	12	-7	9	18.64	0.014	12	0.25		25.536	16	33.4	18.87	16	33.4	K0	R	16	5398	A -6 4210	
50		6.8T	25	28	9.95	0.0046	06	-9	10	13.82	-0.357	05	0.34		26.731	10	92.1	-51.48	10	87.5	K0		GC	20783	B* -8 3981	
51		8.4A	15	25	27.98	0.0011	12	-7	50	46.23	-0.032	12	0.25		27.974	16	33.4	45.69	16	33.4	A0		16	5399	A -7 4030	
52		7.8B	25	29	8.64	0.0082	09	-9	10	49.91	-0.367	08	0.46		29.322	14	98.0	29.42	14	94.1	K0		GC	20785	B* -8 3983	
53		7.8A	25	34	1.37	-0.0002	13	-8	15	52.35	-0.052	13	0.27		34.140	16	33.4	51.48	16	33.4	G5		17	5395	A -5 4081	
54		9.0A	25	42	2.87	0.0006	13	-2	59	11.60	-0.028	13	0.27		42.257	16	33.4	11.13	16	33.4	K2	F	17	5397	A -2 4000	
55		7.9T	25	43	9.93	-0.0002	10	-5	49	51.23	-0.005	09	0.51		43.944	17	97.8	50.95	17	97.9	K2		GC	20793	-5 4083	
56		9.0A	25	44	9.30	-0.0043	13	-3	20	18.83	-0.080	13	0.27		45.001	16	33.4	17.83	16	33.4	G8	F	17	5398	A -3 3790	
57		8.2A	25	45	8.83	0.0008	12	-8	59	19.89	-0.003	12	0.25		45.874	16	33.4	15.79	16	33.4	K2		16	5402	A -8 3985	
58		9.0A	25	53	0.19	-0.0031	09	-1	30	38.07	-0.008	11	0.22		53.058	17	36.4	38.97	17	36.4	F8		21	3937	A -1 3059	
59		7.7A	25	57	0.05	-0.0030	12	-8	34	31.09	-0.008	12	0.25		57.078	16	33.4	31.00	16	33.4	K2		16	5403	A -8 3986	
60		9.1A	26	2	4.63	-0.0010	09	-2	23	47.39	-0.008	11	0.22		2.476	17	36.4	47.28	17	36.4	K2	R	21	3938	A -2 4001	
61		8.8A	26	14	5.55	-0.0002	17	-9	28	1.63	-0.007	15	0.30		14.559	16	33.4	1.50	16	33.4	A5		17	5400	A -6 4215	
62		7.8A	26	18	9.55	0.0005	09	-9	5	90.99	0.010	09	0.22		18.547	16	33.4	51.15	16	33.4	A0		17	5401	A -5 4086	
63		8.5A	26	28	9.77	0.0002	11	-8	48	28.87	0.014	09	0.23		29.773	16	33.4	27.10	16	33.4	K2		16	5406	A -6 4216	
64		8.5A	26	30	7.03	0.0012	11	-7	34	19.01	0.004	11	0.24		30.723	16	33.4	20.20	16	33.4	KO		16	5407	A -7 4034	
65		8.5A	26	31	3.46	-0.0002	13	-4	25	49.88	-0.001	13	0.27		31.349	16	33.4	49.86	16	33.4	A2		17	5402	A -4 3895	
66		9.3A	26	37	9.85	0.0010	12	-8	21	33.97	0.027	12	0.25		37.949	16	33.4	34.41	16	33.4	F8		16	5408	A -8 3987	
67		9.1A	27	12	6.33	-0.0007	09	-2	39	16.77	-0.027	09	0.22		12.645	16	33.4	16.32	16	33.4	F2	F	17	5403	A -2 4004	
68		8.8A	27	15	2.59	0.0001	12	-9	53	3.40	0.022	12	0.25		15.258	16	33.4	3.76	16	33.4	G0		16	5409	A -9 4153	
69		7.2A	27	24	8.80	-0.0013	12	-9	40	28.22	-0.005	12	0.25		24.902	16	33.4	28.13	16	33.4	K2		16	5410	A -6 4219	
70		8.8A	27	33	0.88	-0.0008	12	-7	55	0.28	-0.003	12	0.25		33.909	16	33.4	-59.89	16	33.4	A2		16	5411	A -7 4037	
71		9.0A	27	36	9.91	-0.0032	11	-9	22	50.18	-0.003	11	0.24		37.044	16	33.4	50.12	16	33.4	G0		16	5412	A -9 4155	
72		8.5A	27	49	0.06	-0.0007	11	-9	26	46.73	0.004	11	0.24		49.015	16	33.4	46.79	16	33.4	F5		17	5404	A -6 4221	
73		9.0A	27	50	9.00	-0.0045	09	-1	0	53.27	-0.034	11	0.22		50.560	17	36.4	52.80	17	36.4	G5		21	3940	A -0 2973	
74		8.8A	27	53	5.16	-0.0009	12	-7	10	30.84	0.007	11	0.24		53.531	16	33.4	40.05	16	33.4	KO		16	5415	A -6 4222	
75		9.1A	28	9	3.38	-0.0027	11	-7	39	21.21	-0.050	11	0.24		9.436	16	33.4	20.37	16	33.4	G5		16	5417	A -7 4039	
76		8.8A	28	10	4.05	-0.0027	13	-4	38	9.07	0.018	13	0.27		10.649	16	33.4	9.33	16	33.4	A2		17	5405	A -5 4089	
77		8.8A	28	21	0.83	-0.0008	11	-4	37	11.93	0.015	11	0.24		21.873	16	33.4	11.77	16	33.4	G0	R	17	5406	A -4 3899	
78		8.5A	28	22	0.47	-0.0004	13	-4	30	36.55	-0.130	13	0.27		22.053	16	33.4	54.39	16	33.4	F8		17	5407	A -4 3900	
79		8.9A	28	24	9.80	0.0008	17	-8	12	59.28	-0.008	15	0.30		24.585	16	33.4	55.12	16	33.4	KO		17	5408	A -5 4090	
80		9.3A	28	29	4.82	0.0008	09	-4	11	34.97	0.084	09	0.22		29.482	16	33.4	35.37	16	33.4	KO		17	5409	A -3 3793	
81		8.8A	28	30	3.76	-0.0008	09	-9	2	14.99	-0.014	09	0.22		30.389	16	33.4	14.76	16	33.4	M2	R	17	5410	A -4 3901	
82		9.0A	28	31	0.18	0.0016	13	-9	11	20.15	-0.089	13	0.27		31.791	16	33.4	18.49	16	33.4	G0		17	5411	A -5 4092	
83		9.0A	28	34	6.80	0.0000	17	-2	33	7.32	0.012	15	0.30		34.690	16	33.4	7.52	16	33.4	G5	F	17	5412	A -2 4006	
84		8.1A	28	10	10.92	0.0006	12	-8	59	2.82	-0.088	09	0.24		10.893	16	33.4	2.38	16	33.4	A0		16	5420	A -6 4224	
85		8.3A	28	13	5.73	-0.0097	08	-1	53	40.67	-0.080	11	0.22		13.650	17	36.4	49.13	17	36.4	G0		21	3942	A -1 3063	
86		8.0A	28	14	6.43	0.0021	11	-2	20	44.39	-0.090	11	0.24		14.607	16	33.4	45.56	16	33.4	G0		17	5413	A -2 4009	
87		8.9A	28	14	9.10	-0.0007	12	-8	16	1.37	0.003	12	0.25		14.922	16	33.4	1.41	16	33.4	G5		16	5421	A -7 4044	
88		8.7A	28	23	4.51	-0.0000	12	-7	6	12.70	0.009	12	0.25		23.452	16	33.4	13.17	16	33.4	K2		16	5422	A -6 4227	
89		8.9A	28	25	0.87	-0.0028	12	-8	31	38.23	-0.010	12	0.25		25.114	16	33.4	38.07	16	33.4	K0		16	5423	A -8 3998	
90		7.9A	28	35	1.42	0.0009	12	-9	25	3.89	-0.036	12	0.25		35.127	16	33.4	3.26	16	33.4	A0		16	5426	A -9 4164	
91		9.1A	28	37	4.96	-0.0021	12	-9	55	22.85	0.000	12	0.25		37.531	16	33.4	22.86	16	33.4	K0	R	16	5427	A -9 4165	
92		8.3A	28	40	9.40	-0.0015	09	-1	36	54.98	-0.082	11	0.22		40.960	17	36.4	54.66	17	36.4	K5		21	3945	A -1 3066	
93		9.1A	29	3	3.36	-0.0010	09	-0	9	56.67	-0.041	11	0.22		3.379	17	36.4	56.11	17	36.4	K5		21	3946	A 0 3368	
94		9.0A	29	4	4.08	-0.0023	17	-3	17	44.67	-0.008	15	0.30		4.930	16	33.4	44.54	16	33.4	M3	F	17	5414	A -2 4012	
95		9.1A	30	19	0.40	-0.0005	12	-8	59	20.27	-0.025	12	0.25		19.049	16	33.4	19.89	16	33.4	K2	R	16	5428	A -8 4003	
96		5.8T	30	23	21.4	-0.0009	03	-1	1	4.38	-0.039	03	0.19		23.260	09	99.9	2.36	09	98.0	K0		GC	20896	B* -0 2982	
97		7.9A	30	25	1.65	-0.0020	12	-7	54	50.94	-0.010	12	0.25		25.199	16	33.4	50.37	16	33.4	A2		16	5430	A -7 4047	
98		8.4B	30	25	6.77	-0.0006	08	-9	36	31.51	0.006	08	0.42		25.709	17	99.5	31.62	17	98.5	K0		GC	20897	-9 4167	
99		9.2A	30	30	1.24	0.0025	13	-4	38	51.10	-0.054	13	0.27		39.062	16	33.4	50.19	16	33.4	K0	R	17	5415	A -4 3913	
00		8.5A	30	40	9.96	-0.0009	13	-4	41	36.93	0.009	13	0.27		40.983	16	33.4	37.00	16	33.4	F5		17	5416	A -4 3914	

140600

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	SOURCE CAT.	STAR NUMBER	DM NUMBER
1		9.0A	15 30 47.298	-0.0024	13	-6 20 48.48	0.004	13	0.27	47.339	16	33.4	48.56	16	33.4	F8	17	5417	A -6 4232
2		9.3A	30 56.882	0.0007	14	-1 15 54.93	-0.015	20	0.29	56.872	17	36.4	54.73	17	36.4	K5 R	21	3848	A* -0 2983
3		8.7A	30 58.814	-0.0014	11	-7 1 57.83	-0.006	11	0.24	58.838	16	33.4	57.73	16	33.4	G5	16	5432	A -6 4234
4		9.0A	30 59.979	0.0022	09	-5 3 17.41	-0.034	09	0.22	59.942	16	33.4	16.84	16	33.4	G0 R	17	5418	A -4 3917
5		7.9A	31 2.175	-0.0013	17	-3 8 13.63	-0.020	15	0.30	2.196	16	33.4	13.30	16	33.4	K2	17	5419	A -2 4014
6		8.5A	31 3.103	-0.0018	12	-9 16 1.52	-0.021	12	0.25	3.132	16	33.4	1.17	16	33.4	K2	16	5433	A -8 4007
7		9.1A	31 7.007	-0.0014	12	-8 19 24.47	0.010	12	0.25	7.030	16	33.4	24.64	16	33.4	MA R	16	5434	A -8 4008
8		9.0A	31 25.033	-0.0000	09	-5 0 54.29	-0.010	09	0.22	25.034	16	33.4	54.13	16	33.4	A0	17	5420	A -4 3919
9		4.8H	31 26.486	0.0205	01	-9 53 40.37	-0.241	01	0.06	25.733	03	14.3	31.51	03	13.3	K0	F4	1409	-9 4171
10		8.6A	31 35.250	-0.0066	13	-4 34 29.76	-0.027	13	0.27	35.360	16	33.4	29.30	16	33.4	F8	17	5421	A -4 3920
11		8.3A	31 37.826	0.0009	13	-4 11 34.85	-0.023	13	0.27	37.811	16	33.4	34.47	16	33.4	K2	17	5422	A -3 3797
12		8.0A	31 41.029	-0.0063	17	-2 33 20.21	-0.162	15	0.30	41.133	16	33.4	17.52	16	33.4	K0	17	5424	A -2 4015
13		6.5T	31 42.079	-0.0063	11	-5 31 42.63	0.012	11	0.60	42.414	15	97.0	43.29	15	96.4	G0	GC	20920	-5 4100
14		5.1T	31 44.284	-0.0013	05	-9 0 59.28	-0.027	04	0.24	44.346	10	02.9	57.98	09	01.8	B5	GC	20923	B* -8 4010
15		9.1A	31 47.648	-0.0013	12	-6 43 17.27	0.001	11	0.24	47.669	16	33.4	17.28	16	33.4	A3	16	5438	A -6 4237
16		8.8A	31 54.462	-0.0018	09	-1 17 1.74	-0.011	11	0.22	54.486	17	36.4	1.59	17	36.4	K2	21	3950	A -0 2984
17		7.8A	31 54.892	-0.0015	13	-2 46 31.23	-0.010	13	0.27	54.917	16	33.4	31.06	16	33.4	F8	17	5425	A -2 4016
18		9.2A	32 2.020	-0.0018	12	-7 56 58.02	-0.037	12	0.25	2.051	16	33.4	57.40	16	33.4	A3	16	5439	A -7 4054
19		9.3A	32 2.810	-0.0008	13	-4 28 13.65	-0.005	13	0.27	2.823	16	33.4	13.57	16	33.4	K2 F	17	5426	A -4 3922
20		8.7A	32 16.835	-0.0003	12	-9 38 8.62	-0.002	12	0.25	16.840	16	33.4	8.59	16	33.4	A0	16	5441	A -9 4173
21		8.0A	32 17.017	-0.0011	12	-7 56 56.19	-0.016	12	0.25	17.035	16	33.4	55.93	16	33.4	G5	16	5442	A -7 4055
22		8.4A	32 28.336	-0.0057	17	-3 9 20.25	-0.075	15	0.30	28.431	16	33.4	18.95	16	33.4	G0	17	5428	A -2 4018
23		9.0A	32 28.598	-0.0021	13	-4 57 36.54	0.001	13	0.27	28.632	16	33.4	36.56	16	33.4	K0 R	17	5427	A -4 3924
24		9.0A	32 36.848	0.0002	13	-5 46 7.53	-0.013	13	0.30	36.844	16	33.4	7.31	16	33.4	A2	17	5429	A -5 4104
25		9.1A	32 53.112	0.0000	09	-5 13 13.19	-0.039	09	0.22	53.111	16	33.4	12.54	16	33.4	G5 R	17	5430	A -4 3925
26		8.5A	33 5.053	-0.0013	13	-3 19 19.67	-0.001	13	0.27	5.075	16	33.4	19.65	16	33.4	K2	17	5432	A -3 3800
27		9.2A	33 5.238	-0.0017	13	-5 3 48.69	-0.002	13	0.27	5.266	16	33.4	48.65	16	33.4	F2 R	17	5431	A -4 3926
28		8.6A	33 8.351	0.0003	12	-8 48 26.06	0.012	12	0.25	8.346	16	33.4	26.26	16	33.4	K0	16	5444	A -8 4018
29		9.2A	33 9.910	-0.0027	14	-2 8 15.60	-0.003	20	0.29	9.946	17	36.4	15.56	17	36.4	K2 R	21	3953	A* -1 3070
30		7.9A	33 22.923	-0.0025	12	-7 28 1.57	-0.008	12	0.25	22.965	16	33.4	1.44	16	33.4	K0	16	5445	A -7 4056
31		7.9Q	33 33.417	-0.0069	10	-6 13 16.96	-0.177	11	0.55	33.769	14	99.1	8.02	15	99.4	G5	GC	20969	-5 4112
32		8.8A	33 33.859	-0.0110	13	-2 37 5.15	0.028	13	0.27	34.042	16	33.4	5.62	16	33.4	G5	17	5434	A -2 4020
33		8.8A	33 34.658	-0.0039	12	-7 33 8.32	-0.009	12	0.25	34.724	16	33.4	8.17	16	33.4	G0	16	5446	A -7 4058
34		9.0A	33 35.773	-0.0017	12	-7 2 50.34	-0.023	09	0.24	35.801	16	33.4	49.96	16	33.4	K2 R	16	5448	A -6 4243
35		8.3A	33 36.744	0.0003	09	-2 21 7.36	0.001	11	0.22	36.740	17	36.4	7.38	17	36.4	K2	21	3956	A -2 4021
36		9.3A	33 41.650	0.0021	12	-8 38 41.90	-0.017	12	0.25	41.616	16	33.4	41.62	16	33.4	K0 R	16	5449	A -8 4021
37		8.2A	33 42.025	-0.0012	12	-7 43 50.35	0.017	12	0.25	42.045	16	33.4	50.63	16	33.4	K5	16	5450	A -7 4059
38		8.0A	33 46.826	-0.0010	11	-5 40 30.55	-0.031	11	0.24	46.842	16	33.4	30.04	16	33.4	F8	17	5436	A -5 4114
39		9.0A	33 53.204	0.0005	17	-3 13 33.21	0.043	15	0.30	53.195	16	33.4	33.92	16	33.4	F8	17	5437	A -2 4023
40		9.4A	33 56.297	-0.0054	11	-2 21 58.09	-0.036	11	0.24	56.387	16	33.4	57.49	16	33.4	G0P F	17	5440	A -2 4024
41		9.0A	33 57.697	-0.0016	13	-3 53 52.97	0.003	13	0.27	57.723	16	33.4	53.02	16	33.4	K0 F	17	5439	A -3 3801
42		9.0A	33 58.071	0.0036	11	-4 18 54.00	-0.027	11	0.24	58.011	16	33.4	54.45	16	33.4	K0 F	17	5438	A -3 3802
43		6.5T	33 59.546	-0.0020	03	-0 23 48.98	-0.024	03	0.16	59.625	07	09.7	47.90	09	04.3	F5	GC	20980	B* -0 2988
44		9.0A	34 7.175	0.0009	12	-2 39 44.47	0.010	12	0.25	7.159	16	33.4	44.63	16	33.4	M1 F	17	5441	A -2 4025
45		8.5A	34 11.121	-0.0020	12	-8 24 2.58	-0.024	12	0.25	11.155	16	33.4	2.18	16	33.4	K2	16	5451	A -8 4023
46		9.0A	34 12.292	-0.0020	17	-6 23 22.65	-0.003	17	0.32	12.325	16	33.4	22.60	16	33.4	F8	17	5442	A -6 4247
47		8.5A	34 12.330	0.0006	13	-4 28 24.73	-0.035	13	0.27	12.320	16	33.4	24.15	16	33.4	F5	17	5444	A -4 3930
48		7.2T	34 13.406	-0.0010	12	-5 51 44.86	-0.016	11	0.59	13.457	15	00.0	44.06	17	99.3	K2	GC	20988	-5 4117
49		8.9A	34 14.160	0.0001	09	-0 5 18.13	0.001	11	0.22	14.158	17	36.4	18.14	17	36.4	A5	21	3958	A 0 3379
50		8.2A	34 14.434	-0.0027	12	-7 36 56.48	-0.021	12	0.25	14.479	16	33.4	56.13	16	33.4	K0	16	5454	A -7 4062
51		9.2A	15 34 14.591	-0.0055	13	-4 48 53.89	0.008	13	0.27	14.682	16	33.4	54.02	16	33.4	G0 R	17	5445	A -4 3932
52		9.2A	34 17.577	-0.0003	13	-2 31 58.51	-0.020	13	0.27	17.581	16	33.4	58.18	16	33.4	G2 F	17	5448	A -2 4026
53		9.0A	34 18.056	0.0006	12	-8 1 9.25	0.047	12	0.25	18.046	16	33.4	10.03	16	33.4	G5	16	5455	A -7 4064
54		8.7A	34 19.281	0.0003	11	-4 47 12.14	-0.007	11	0.24	19.276	16	33.4	12.02	16	33.4	K2	17	5447	A -4 3933
55		8.8A	34 19.396	-0.0016	13	-5 25 17.14	-0.012	13	0.27	19.422	16	33.4	16.95	16	33.4	K0	17	5446	A -5 4118
56		8.6A	34 25.933	0.0001	17	-5 45 51.32	0.008	15	0.30	25.932	16	33.4	51.45	16	33.4	K5	17	5449	A -5 4119
57		9.1A	34 41.321	-0.0017	12	-9 5 16.64	-0.011	12	0.25	41.349	16	33.4	16.46	16	33.4	F2 R	16	5457	A -8 4025
58		9.2A	34 46.711	-0.0002	12	-7 25 9.15	-0.016	12	0.25	46.714	16	33.4	8.89	16	33.4	F8 R	16	5458	A -7 4065
59		7.8A	34 54.385	-0.0007	09	-0 43 17.09	0.002	11	0.22	54.394	17	36.4	17.12	17	36.4	K2	21	3961	A -0 2990
60		9.0A	34 54.409	0.0006	13	-6 4 8.64	-0.018	13	0.27	54.399	16	33.4	8.34	16	33.4	K2 R	17	5450	A -5 4122
61		8.3A	34 55.661	0.0020	12	-8 52 52.80	-0.027	12	0.25	55.629	16	33.4	52.35	16	33.4	A5	16	5459	A -8 4027
62		9.0A	35 5.398	-0.0010	12	-5 34 17.11	-0.026	12	0.25	5.414	16	33.4	16.68	16	33.4	F8	17	5451	A -5 4123
63		7.1A	35 6.600	-0.0019	09	-3 26 28.69	-0.061	09	0.22	8.632	16	33.4	27.68	16	33.4	F8	17	5452	A -3 3806
64		8.0A	35 19.942	-0.0016	09	-5 15 30.91	-0.029	09	0.22	19.969	16	33.4	30.42	16	33.4	K5	17	5453	A -4 3936
65		8.0A	35 24.583	0.0028	12	-7 30 45.21	-0.078	12	0.25	24.536	16	33.4	43.91	16	33.4	K2	16	5460	A -7 4069
66		9.1A	35 33.543	-0.0016	12	-9 24 40.48	-0.015	12	0.25	33.570	16	33.4	40.23	16	33.4	F2 R	16	5461	A -9 4185
67		8.0A	35 36.889	-0.0006	13	-5 58 6.59	-0.007	13	0.27	36.899	16	33.4	6.48	16	33.4	G0	17	5454	A -5 4125
68		8.8A	35 37.794	0.0005	12	-8 35 25.80	-0.007	12	0.25	37.785	16	33.4	25.69	16	33.4	MA R	16	5462	A -8 4030
69		9.0A	35 39.581	-0.0049	17	-3 54 5.80	-0.012	15	0.30	39.662	16	33.4	5.60	16	33.4	K0	17	5455	A -3 3809
70		9.2A	35 39.840	-0.0019	09	-3 48 5.60	-0.012	09	0.22	39.872	16	33.4	5.40	16	33.4	G5 F	17	5456	A -3 3808
71		6.6T	35 57.811	0.0013	10	-8 37 54.64	-0.018	10	0.53	57.745	14	98.3	53.73	14	99.1	F8	GC	21029K	B* -8 4031
72		6.5T	35 57.911	0.0017	05	-8 37 42.75	-0.022	03	0.22	57.833	12	03.2	41.57	09	95.9	F8	GC	21030K	B* -8 4032
73		9.0A	36 1.585	-0.0015	09	-0 26 12.54	-0.048	11	0.22	1.605	17	36.4	11.89	17	36.4	K5	21	3963	A -0 2991
74		8.2A	36 6.187	-0.0006	11	-6 9 18.24	-0.020	11	0.24	6.197	16	33.4	17.91	16	33.4	A5	17	5457	A -5 4128
75		8.9A	36 6.360	0.0013	09	-1 37 27.14	-0.051	11	0.22	6.342	17	36.4	26.45	17	36.4	G5	21	3964	A -1 3074
76		9.3A	36 10.598	-0.0039	12	-6 58 33.42	0.011	11	0.24	10.663	16	33.4	33.60	16	33.4	G5	16	5466	A -6 4253
77		8.0A	36 13.556	-0.0022	09	-2 40 0.32	0.011	09	0.22	13.592	16	33.4	0.50	16	33.4	F0	17	5458	A -2 4030
78		8.5A	36 22.786	-0.0033	13	-5 51 40.26	0.000	13	0.27	22.842	16	33.4	40.26	16	33.4	F5	17	5459	A -5 4130
79		9.3A	36 24.460	-0.0025	09	-3 46 39.99	-0.000	09	0.22	24.501	16	33.4	39.99	16	33.4	K0 F	17	5460	A -3 3810
80		8.2A	36 27.789	-0.0133	09	-0 8 54.83	-0.099	11	0.22	27.969	17	36.4	53.49	17	36.4	F8	21	3965	A 0 3387
81		8.7A	36 48.699	-0.0021	12	-9 25 25.96	-0.005	11	0.24	48.934	16	33.4	25.87	16	33.4	G0	16	5468	A -9 4192
82		8.6A	36 51.702	-0.0009	12	-8 49 2.78	0.003	11	0.24	51.717	16	33.4	2.83	16	33.4	G5	16	5469	A -8 4039
83		8.4A	36 56.404	-0.0023	09	-0 54 14.48	-0.002	11	0.22	56.435	17	36.4	14.45	17	36.4	K0	21	3967	A -0 2993
84		8.3A	37 0.997	-0.0022	12	-9 27 27.47	-0.019	12	0.25	1.034	16	33.4	27.15	16	33.4	K0	16	5470	A -9 4194
85		9.2A	37 6.958	-0.0013	09	-0 44 38.31	0.012	11	0.22	6.975	17	36.4	38.48	17	36.4	K0	21	3968	A -0 2995
86		8.8A	37 27.561	-0.0025	12	-8 46 57.56	-0.118	12	0.25	27.603	16	33.4	55.60	16	33.4	G5	16	5471	A -8 4044
87		8.9A	37 38.183	-0.0012	09	-2 10 2.50	-0.064	11	0.22	38.199	17	36.4	1.63	17	36.4	K0	21	3969	A -1 3079
88		9.1A	37 43.848	-0.0001	09	-2 22 1.19	-0.000	11	0.22	43.850	17	36.4	1.19	17	36.4	G0 R	21	3970	A -2 4031
89		8.9A	37 49.230	0.0015	12	-7 8 27.22	-0.030	12	0.25	49.204	16	33.4	26.72	16	33.4	G0	16	5472	A -6 4258
90		8.2A	37 50.838	0.0035	09	-0 45 5.36	-0.042	11	0.22	50.790	17	36.4	4.79	17	36.4	K0	21	3971	A -0 2997
91		9.0A	37 53.302	-0.0011	09	-1 50 45.59	-0.037	11	0.22	53.316	17	36.4	45.09	17	36.4	K0	21	3972	A -1 3080
92		7.7A	37 54.044	-0.0103	12	-8 56 48.77	-0.111	12	0.25	54.215	16	33.4	46.92	16	33.4	K0	16	5473	A -8 4046
93		9.0A	38 0.605	0.0007	12	-5 2 29.71	-0.015	12	0.25	0.592	16	33.4	29.46	16	33.4	G2 F	17	5463	A -2 4033
94		9.0A	38 1.541	0.0000	09	-3 19 6.67	-0.016	09	0.22	1.541	16	33.4	6.41	16	33.4	G5 F	17	5464	A -3 3815
95		8.4A	38 11.432	-0.0003	09	-5 28 21.19	-0.020	09	0.22	11.436	16	33.4	20.85	16	33.4	K0	17	5465	A -5 4136
96		8.3Q	38 13.120	-0.0004	13	-8 50 12.33	-0.144	11	0.56	13.139	17	06.1	5.74	17	04.2	G0	GC	21079	-8 4049
97		8.2A	38 18.279	0.0001	12	-8 34 54.83	-0.001	12	0.25	18.278	16	33.4	54.81	16	33.4	G5	16	5475	A -8 4050
98		8.9A	38 20.228	0.0007	12	-7 9 31.99	-0.048	12	0.25	20.217	16	33.4	31.19	16	33.4	MC R	16	5476	A -6 4259
99		8.0A	38 41.046	-0.0004	13	-5 49 4.52	-0.010	13	0.27	41.052	16	33.4	4.36	16	33.4	K5	17	5466	A -5 4139
00		7.9A	38 48.558	-0.0023	11	-2 28 30.44	-0.005	11	0.24	48.595	16	33.4	30.36	16	33.4	G5	17	5467	A -2 4034

- 0°
15H

140700

EPOCH 1950 — ORIGINAL EPOCH — SOURCE — − 0° 15H

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.		CAT.	STAR NUMBER	DM NUMBER
1		9.2A	15 38 51.049	0.0007	14	-2 19 44.63	-0.006	20	0.29	51.039	17	36.4	44.55	17	36.4	K2	R	21	3874	A* -1 3081
2		7.4T	39 5.498	-0.0008	07	-6 17 6.30	0.001	07	0.31	5.538	07	07.5	6.35	07	08.9	K0		GC	21095	B* -5 4143
3		8.4A	39 5.619	-0.0013	12	-8 29 11.21	-0.004	12	0.25	5.641	16	33.4	11.14	16	33.4	F5		16	5477	A -8 4052
4		9.2A	39 6.656	-0.0007	09	-0 38 15.75	-0.007	11	0.22	6.665	17	36.4	15.65	17	36.4	K0	R	21	3875	A -0 2999
5		7.9A	39 33.654	-0.0004	12	-7 45 19.49	0.002	12	0.25	33.661	16	33.4	19.52	16	33.4	K5		16	5479	A -7 4082
6		8.0A	39 37.847	-0.0008	12	-7 30 6.53	-0.035	12	0.25	37.849	16	33.4	5.95	16	33.4	F8		16	5480	A -7 4083
7		9.0A	39 39.125	0.0004	12	-5 52 23.39	-0.007	12	0.25	39.118	16	33.4	23.28	16	33.4	G5	R	17	5470	A -5 4145
8		9.1A	39 42.638	0.0002	12	-7 47 17.69	-0.004	12	0.25	42.634	16	33.7	17.63	16	33.7	K5	R	16	5481	A -7 4084
9		9.1A	39 42.876	-0.0008	09	-1 53 14.83	-0.014	11	0.22	42.887	17	36.4	14.64	17	36.4	F5		21	3978	A -1 3083
10		8.4A	39 46.754	0.0006	09	-1 15 2.34	-0.007	11	0.22	46.746	17	36.4	2.24	17	36.4	K0		21	3979	A -0 3001
11		8.3A	39 53.114	-0.0039	13	-4 59 0.23	-0.039	13	0.27	53.178	16	33.4	59.58	16	33.4	K5		17	5471	A -4 3953
12		8.9A	40 25.564	-0.0022	12	-9 40 54.18	-0.014	12	0.25	25.601	16	33.4	53.95	16	33.4	K0		16	5484	A -9 4211
13		8.6A	40 28.541	0.0000	12	-8 58 26.16	-0.026	12	0.25	28.541	16	33.4	25.73	16	33.4	G5		16	5485	A -8 4058
14		8.7A	40 28.996	-0.0018	11	-5 15 5.00	-0.065	11	0.24	29.027	16	33.4	3.95	16	33.4	G5		17	5472	A -4 3955
15		8.6A	40 36.248	-0.0011	09	-1 34 27.84	-0.075	11	0.22	36.263	17	36.4	26.85	17	36.4	K2		21	3980	A -1 3085
16		8.8A	40 41.097	-0.0013	12	-7 59 0.57	0.013	12	0.25	41.118	16	33.4	0.78	16	33.4	G5		16	5486	A -7 4088
17		9.1A	40 47.928	0.0012	09	-3 46 52.49	-0.021	09	0.22	47.908	16	33.4	52.14	16	33.4	K0	R	17	5473	A -3 3818
18		7.8A	40 49.377	-0.0043	12	-9 58 0.83	0.077	12	0.25	49.449	16	33.4	2.11	16	33.4	F5		16	5487	A -9 4213
19		8.8A	40 57.715	-0.0009	09	-1 46 12.05	-0.031	11	0.22	57.727	17	36.4	11.63	17	36.4	K5		21	3981	A -1 3086
20		9.0A	41 1.391	-0.0034	09	-5 32 30.47	0.002	09	0.22	1.447	16	33.4	30.50	16	33.4	G0	R	17	5474K	A -5 4151
21		8.9A	41 1.547	0.0017	13	-4 50 30.53	-0.037	13	0.27	1.518	16	33.4	29.90	16	33.4	K2		17	5475	A -4 3958
22		7.6A	41 2.275	-0.0011	12	-9 9 26.09	-0.008	12	0.25	2.294	16	33.4	27.96	16	33.4	F0		16	5488	A -8 4060
23		9.0A	41 20.014	0.0002	12	-6 31 44.83	0.003	11	0.24	20.010	16	33.4	44.88	16	33.4	K0		16	5489	A -6 4288
24		8.9A	41 26.102	0.0003	09	-2 9 4.09	-0.047	11	0.22	26.098	17	36.4	3.45	17	36.4	K5		21	3982	A -1 3089
25		8.8A	41 29.939	-0.0006	09	-5 0 26.15	-0.002	09	0.22	29.949	16	33.4	26.11	16	33.4	K2	R	17	5477	A -4 3960
26		8.8A	41 33.856	-0.0027	12	-9 44 26.23	-0.010	11	0.24	33.901	16	33.4	26.07	16	33.4	G0		16	5490	A -9 4216
27		8.3A	41 44.163	-0.0009	09	-2 51 20.91	-0.006	09	0.22	44.178	16	33.4	20.81	16	33.4	K2		17	5478	A -2 4040
28		8.7A	41 48.216	-0.0007	12	-9 4 32.98	0.044	12	0.25	48.228	16	33.4	33.71	16	33.4	G0		16	5491	A -8 4065
29		8.0A	41 48.997	-0.0020	09	-3 40 53.89	-0.045	09	0.22	49.030	16	33.4	53.14	16	33.4	A3		17	5479	A -3 3820
30		9.1A	42 18.378	0.0011	09	-4 58 23.84	-0.053	09	0.22	18.360	16	33.4	22.95	16	33.4	F8	R	17	5480	A -4 3963
31		8.7A	42 30.517	0.0011	12	-7 39 15.54	0.017	12	0.25	30.500	16	33.4	15.82	16	33.4	K5		16	5492	A -7 4094
32		9.0A	42 30.927	0.0002	12	-7 2 42.30	0.002	12	0.25	30.922	16	33.7	42.33	16	33.7	K2	R	16	5493	A -6 4289
33		8.8A	42 38.293	0.0010	13	-4 28 34.17	0.018	13	0.27	38.276	16	33.4	34.47	16	33.4	K0	R	17	5481	A -4 3965
34		7.2A	42 48.056	-0.0023	13	-5 59 23.36	-0.006	13	0.27	48.095	16	33.4	23.27	16	33.4	K0		17	5482	A -5 4158
35		9.1G	42 48.493	-0.0009	10	-1 14 9.31	-0.033	06	0.44	48.533	18	03.6	7.39	18	91.7	K0		GC	21175	-0 3004
36		9.0A	43 0.405	-0.0014	12	-5 55 19.19	0.015	12	0.25	0.429	16	33.4	19.44	16	33.4	A2		17	5483	A -5 4159
37		8.3A	43 5.170	-0.0051	12	-9 32 59.40	-0.008	12	0.25	5.256	16	33.4	59.27	16	33.4	G5		16	5494	A -9 4224
38		9.1A	43 10.471	-0.0003	11	-8 52 49.61	-0.032	09	0.23	10.476	16	33.4	49.08	16	33.4	G0		16	5495	A -8 4089
39		8.9A	43 22.598	-0.0005	09	-1 17 25.80	-0.029	11	0.22	22.604	17	36.4	25.41	17	36.4	K5		21	3986	A -0 3005
40		5.4T	43 30.243	-0.0080	04	-1 38 56.29	-0.040	03	0.21	30.340	10	00.5	54.29	09	00.0	B8		GC	21187	B* -1 3092
41		8.9A	43 35.146	-0.0037	12	-9 48 22.44	-0.008	12	0.25	35.208	16	33.5	22.31	16	33.5	G5		16	5496	A -9 4227
42		8.3A	43 35.508	-0.0013	09	-3 46 54.99	-0.010	08	0.22	35.530	16	33.5	54.82	16	33.5	A0		17	5484	A -3 3823
43		8.9A	43 36.637	-0.0005	09	-1 24 52.34	-0.027	11	0.22	36.643	17	36.4	51.97	17	36.4	K5		21	3989	A -1 3093
44		9.0A	43 45.548	-0.0084	12	-8 38 9.49	-0.171	12	0.25	45.687	16	33.5	6.66	16	33.5	G0		16	5497	A -8 4072
45		8.4A	43 48.638	-0.0003	12	-8 3 12.20	0.003	12	0.25	48.643	16	33.5	12.25	16	33.5	K2		16	5498	A -7 4097
46		9.0A	43 50.948	-0.0038	12	-8 31 27.71	0.040	11	0.24	51.010	16	33.5	28.37	16	33.5	F8		16	5499	A -8 4073
47		9.3A	43 51.025	-0.0013	09	-1 5 3.59	-0.033	11	0.22	51.044	17	36.4	3.15	17	36.4	F5	R	21	3991	A -0 3006
48		8.1G	43 53.149	-0.0015	06	-3 54 20.01	-0.019	07	0.40	53.061	12	92.4	18.92	12	93.4	K5		GC	21196	-3 3824
49		7.8A	43 53.156	-0.0019	12	-9 58 40.79	0.038	12	0.25	53.188	16	33.5	41.42	16	33.5	G5		16	5500	A -9 4228
50		8.9A	44 3.804	0.0009	09	-1 26 48.10	-0.023	11	0.22	3.791	17	36.4	47.79	17	36.4	F8		21	3992	A -1 3095
51		6.4T	15 44 5.836	-0.0001	13	-5 57 56.73	0.019	13	0.76	5.843	17	92.4	57.84	18	92.5	K0		GC	21203	-5 4161
52		8.8A	44 8.252	0.0003	11	-4 53 28.55	0.011	11	0.24	8.246	16	33.4	28.73	16	33.4	M5	R	17	5488	A -4 3973
53		9.1A	44 12.402	-0.0014	12	-9 16 48.63	0.003	12	0.25	12.425	16	33.7	48.68	16	33.7	G0	R	16	5501	A -8 4075
54		8.6A	44 22.286	0.0002	12	-7 18 20.88	0.012	12	0.25	22.282	16	33.5	21.08	16	33.5	A3		16	5502	A -7 4100
55		7.7A	44 33.522	-0.0015	12	-8 17 55.41	-0.008	12	0.25	33.548	16	33.5	55.28	16	33.5	K0		16	5503	A -7 4101
56		9.2A	44 37.143	0.0007	09	-3 39 3.85	-0.011	09	0.22	37.131	16	33.4	3.67	16	33.4	K0	R	17	5489	A -3 3826
57		8.9A	44 37.914	0.0005	12	-8 45 48.77	-0.013	12	0.25	37.906	16	33.5	48.55	16	33.5	A0		16	5505	A -8 4079
58		9.3A	44 38.679	0.0014	12	-7 13 46.33	-0.099	12	0.25	38.657	16	33.5	44.69	16	33.5	G0		16	5506	A -6 4280
59		8.2A	44 40.220	-0.0027	13	-2 27 48.39	-0.054	13	0.27	40.264	16	33.5	47.50	16	33.5	K5		17	5490	A -2 4044
60		8.0A	44 43.654	-0.0029	09	-4 57 55.28	-0.009	09	0.22	43.902	16	33.5	55.13	16	33.5	G5		17	5491	A -4 3975
61		7.2T	44 43.922	-0.0167	08	-0 6 57.96	-0.029	09	0.48	44.826	15	95.7	56.45	15	97.2	F5		GC	21215	0 3401
62		9.0A	44 48.780	-0.0020	09	-0 27 30.70	-0.032	11	0.22	48.817	17	36.4	30.27	17	36.4	G5		21	3995	A -0 3007
63		8.6A	44 49.536	-0.0025	09	-0 54 37.43	0.032	11	0.22	49.567	17	36.4	37.67	17	36.4	G5		21	3996	A -0 3008
64		6.9T	44 55.329	-0.0051	10	-9 19 38.21	0.016	10	0.49	55.378	15	01.5	39.00	15	00.9	F5		GC	21221	-9 4233
65		8.9A	45 2.637	-0.0009	12	-7 43 30.26	0.005	12	0.25	2.652	16	33.7	30.34	16	33.7	K0	R	16	5508	A -7 4103
66		8.0G	45 33.761	-0.0086	11	-4 37 58.23	-0.037	12	0.58	34.082	14	01.1	56.43	15	01.7	G0		GC	21238	-4 3977
67		9.2A	45 43.535	-0.0046	12	-8 58 37.47	-0.002	11	0.24	43.560	16	33.5	37.44	16	33.5	A2		16	5509	A -6 4281
68		9.0A	45 47.012	-0.0046	12	-8 40 19.71	-0.010	13	0.27	47.039	16	33.4	19.55	16	33.4	K0	R	17	5495	A -2 4047
69		9.0A	45 47.900	-0.0010	13	-3 40 28.64	0.038	13	0.27	47.917	16	33.4	28.75	16	33.4	A5	R	17	5494	A -5 4165
70		8.8A	45 54.203	-0.0053	09	-2 0 38.82	0.088	11	0.22	54.275	17	36.4	39.74	17	36.4	G0		21	3997	A -1 3100
71		8.6A	45 59.155	-0.0017	11	-7 32 46.29	0.003	11	0.23	59.183	16	33.5	46.34	16	33.5	K0		16	5510	A -7 4108
72		9.2A	46 13.354	-0.0016	12	-7 48 45.58	-0.003	12	0.25	13.380	16	33.7	45.53	16	33.7	F5	R	16	5511	A -7 4110
73		7.3A	46 18.283	-0.0089	08	-0 50 57.68	-0.008	11	0.22	18.331	17	36.4	57.57	17	36.4	MA		21	3998	A -0 3011
74		8.7A	46 19.144	-0.0054	12	-9 51 46.08	0.027	12	0.25	19.201	16	33.5	46.51	16	33.5	G5		16	5512	A -9 4237
75		5.6T	46 19.438	-0.0084	05	-3 38 59.75	0.006	05	0.15	19.540	07	08.8	+ 0.01	08	05.5	A3		GC	21251	B* -3 3829
76		9.1A	46 19.912	0.0048	12	-7 46 48.93	-0.080	12	0.25	19.832	16	33.5	47.94	16	33.5	G0		16	5513	A -7 4111
77		9.5A	46 20.141	-0.0021	13	-2 30 7.92	-0.017	13	0.27	20.175	16	33.4	7.64	16	33.4	K0	R	17	5497	A -2 4050
78		8.3A	46 23.378	-0.0011	12	-8 5 57.73	-0.019	12	0.25	23.398	16	33.5	57.41	16	33.5	K0	R	16	5514	A -8 4084
79		9.2A	46 30.561	0.0009	08	-1 43 40.36	-0.056	11	0.22	30.554	17	36.4	39.62	17	36.4	F5	R	21	4000	A -1 3102
80		8.5G	46 35.189	-0.0005	07	-3 4 56.12	-0.008	05	0.36	35.194	17	94.5	55.78	14	82.8	A0		GC	21260K	B* -2 4051
81		8.2A	46 36.240	-0.0018	08	-1 50 10.87	-0.038	11	0.22	36.264	17	36.4	10.34	17	36.4	A0		21	4001	A -1 3103
82		8.0A	46 39.307	0.0002	13	-4 48 34.92	0.005	13	0.27	39.303	16	33.5	34.96	16	33.5	B9		17	5499	A -4 3982
83		9.0A	46 41.278	0.0021	09	-0 29 50.51	0.017	11	0.22	41.269	17	36.4	50.74	17	36.4	G5		21	4002	A -0 3013
84		9.2A	46 48.608	-0.0003	08	-0 36 51.84	-0.004	11	0.22	48.612	17	36.4	51.79	17	36.4	A2		21	4003	A -0 3014
85		9.0A	46 51.461	-0.0011	12	-8 2 37.18	0.027	11	0.24	51.478	16	33.5	37.63	16	33.5	G		16	5515	A -7 4112
86		9.0A	46 53.384	-0.0021	13	-3 20 5.45	-0.045	13	0.27	53.418	16	33.5	4.71	16	33.5	K2	F	17	5500	A -3 3832
87		3.6H	47 0.446	-0.0080	01	-3 16 42.95	-0.028	01	0.05	0.684	02	10.0	41.83	02	09.5	A0		F4	585	-2 4052
88		8.8A	47 9.775	-0.0009	12	-8 19 7.48	-0.029	12	0.25	9.790	16	33.5	7.00	16	33.5	K0		16	5516	A -8 4088
89		6.9T	47 20.209	-0.0020	08	-3 46 11.68	-0.021	07	0.44	20.317	15	95.1	10.69	15	93.9	B8		GC	21274	-3 3833
90		8.8A	47 22.109	0.0002	13	-5 21 20.45	-0.007	13	0.27	22.073	16	33.5	20.33	16	33.5	K0		17	5503	A -5 4171
91		8.4A	47 24.993	-0.0005	12	-9 16 38.59	0.017	12	0.25	24.602	16	33.5	38.87	16	33.5	K0		16	5517	A -8 4089
92		9.1A	47 31.587	-0.0036	09	-2 13 5.68	-0.099	11	0.22	31.636	17	36.4	4.33	17	36.4	K5	R	21	4004	
93		9.1A	47 31.998	-0.0021	12	-9 57 7.37	0.000	12	0.25	31.731	16	33.5	7.37	16	33.5	F8		16	5518	A -9 4243
94		8.5A	47 46.970	-0.0023	12	-2 54 17.27	-0.009	12	0.25	47.007	16	33.5	17.12	16	33.5	F2		17	5505	A -2 4055
95		9.0A	47 54.584	-0.0007	08	-2 5 29.62	-0.044	11	0.22	54.533	17	36.4	29.02	17	36.4	F5		21	4005	A -1 3106
96		9.2A	47 55.010	0.0012	09	-0 44 6.54	-0.046	11	0.22	54.993	17	36.4	5.91	17	36.4	K	R	21	4006	A -0 3020
97		9.0A	48 7.941	0.0001	12	-7 6 43.09	-0.019	11	0.24	7.539	16	33.5	43.58	16	33.5	K0		16	5519	A -6 4288
98		8.3A	48 17.373	0.0001	13	-6 10 42.14	0.008	13	0.27	17.372	16	33.5	42.27	16	33.5	G0		17	5506	A -5 4178
99		8.7A	48 20.015	-0.0023	09	-0 48 8.28	-0.023	11	0.22	20.046	17	36.4	8.92	17	36.4	K0		21	4008	A -0 3022
00		8.9A	48 34.938	-0.0008	12	-9 11 51.51	-0.003	12	0.25	34.947	16	33.5	51.46	16	33.5	A2		16	5522	A -8 4094

140800

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	EPOCH 1950 μ s	EPOCH 1950 σ_μ ″.001	EPOCH 1950 δ_{1950} ° ′ ″	EPOCH 1950 μ' ″	EPOCH 1950 σ_μ ″.001	EPOCH 1950 σ_{1950} ″	ORIGINAL EPOCH α_2 s	ORIGINAL EPOCH σ ″.01	ORIGINAL EPOCH ep.	ORIGINAL EPOCH δ_2 ″	ORIGINAL EPOCH σ' ″.01	ORIGINAL EPOCH ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	- 00 15H DM NUMBER
1		5.2T	15 48 39.134	-0.0060	03	-2 56 25.99	-0.029	03	0.19	39.469	09	93.9	24.34	07	93.4	A2	GC	21301	B* -2 4058
2		9.2A	48 53.620	0.0009	09	-2 27 7.60	-0.026	09	0.22	53.604	16	33.4	7.17	16	33.4	K0 R	17	5509	A -2 4060
3		9.0A	48 55.274	-0.0012	09	-5 47 10.66	-0.006	09	0.22	55.294	16	33.4	10.57	16	33.4	G5 R	17	5508	A -5 4181
4		8.5A	49 1.022	-0.0016	11	-5 50 6.12	-0.016	11	0.23	1.049	16	33.5	5.86	16	33.5	K0	17	5510K	A -5 4182
5		7.3A	49 8.252	0.0018	12	-7 53 39.32	0.005	12	0.25	8.222	16	33.5	39.40	16	33.5	K2	16	5523	A -7 4118
6		8.3A	49 11.055	-0.0017	12	-8 14 33.62	-0.008	12	0.25	11.083	16	33.5	33.49	16	33.5	A0	16	5524	A -7 4119
7		8.6A	49 13.581	-0.0018	12	-9 19 16.39	0.079	09	0.23	13.610	16	33.5	17.70	16	33.5	K0	16	5525	A -9 4249
8		8.9A	49 33.653	-0.0019	12	-7 21 8.22	0.016	12	0.25	33.684	16	33.5	8.49	16	33.5	G0	16	5527	A -7 4122
9		8.6A	49 36.608	-0.0013	09	-2 7 45.38	-0.053	11	0.22	36.625	17	36.4	44.66	17	36.4	G0	21	4010	A -1 3108
10		8.0A	49 39.363	-0.0031	11	-4 10 34.87	0.030	11	0.23	39.414	16	33.5	35.36	16	33.5	K2	17	5511	A -3 3836
11		9.2A	49 43.236	-0.0036	12	-8 4 13.27	-0.035	12	0.25	43.296	16	33.7	12.70	16	33.7	A5 R	16	5528	A -7 4123
12		8.0A	49 58.548	-0.0079	09	-1 45 29.75	0.002	11	0.22	58.656	17	36.4	29.78	17	36.4	G5	21	4012	A -1 3109
13		8.3A	49 59.596	0.0009	09	-1 10 55.54	-0.010	11	0.22	59.583	17	36.4	55.40	17	36.4	K2	21	4013	A -0 3025
14		8.0A	50 0.372	-0.0022	09	-0 52 58.06	-0.027	11	0.22	0.402	17	36.4	57.69	17	36.4	A0	21	4014	A -0 3026
15		9.0A	50 6.012	-0.0014	09	-5 32 34.59	-0.003	09	0.22	6.035	16	33.4	34.54	16	33.4	F2 R	17	5512	A -5 4185
16		8.7A	50 23.331	-0.0030	12	-9 38 41.91	-0.012	12	0.25	23.380	16	33.5	41.71	16	33.5	A2	16	5529	A -9 4254
17		8.5A	50 30.670	0.0015	12	-7 30 26.94	-0.029	12	0.25	30.645	16	33.5	26.46	16	33.5	F8	16	5530	A -7 4128
18		9.0A	50 31.265	-0.0027	09	-0 58 52.34	-0.031	11	0.22	31.302	17	36.4	51.92	17	36.4	G0	21	4015	A -0 3028
19		9.0A	50 36.636	-0.0001	09	-1 46 47.02	-0.023	11	0.22	36.637	17	36.4	46.71	17	36.4	F8	21	4016	A -1 3112
20		9.0A	50 38.340	0.0004	09	-1 6 45.10	-0.025	11	0.22	38.334	17	36.4	44.76	17	36.4	A3	21	4017	A -0 3029
21		8.9A	50 38.379	-0.0021	11	-8 27 27.59	-0.043	11	0.23	38.415	16	33.5	26.88	16	33.5	F8	16	5531	A -8 4100
22		7.5A	50 46.267	-0.0050	11	-2 52 53.15	-0.037	11	0.23	46.349	16	33.5	52.54	16	33.5	F5	17	5513	A -2 4064
23		8.3A	50 52.054	-0.0006	12	-7 19 20.26	0.008	12	0.25	52.064	16	33.5	20.39	16	33.5	G5	16	5533	A -7 4130
24		8.9A	50 53.844	-0.0015	09	-1 48 9.02	-0.050	11	0.22	53.864	17	36.4	8.34	17	36.4	K5	21	4018	A -1 3113
25		8.0A	51 1.894	-0.0067	11	-4 20 24.15	-0.101	11	0.23	2.004	16	33.5	22.48	16	33.5	G0	17	5514	A -4 3995
26		7.8A	51 6.189	-0.0011	12	-8 7 55.02	-0.003	12	0.25	6.208	16	33.5	54.97	16	33.5	K5	16	5534	A -7 4131
27		9.0A	51 18.031	-0.0025	11	-5 35 5.94	-0.046	11	0.23	18.073	16	33.5	5.18	16	33.5	A	17	5515	A -5 4186
28		9.0A	51 32.017	-0.0034	09	-5 4 31.14	0.008	09	0.22	32.074	16	33.4	31.28	16	33.4	F8 R	17	5516	A -4 3996
29		8.6A	51 32.634	-0.0002	11	-7 49 42.09	-0.037	11	0.23	32.637	16	33.5	41.48	16	33.5	G5	16	5535	A -7 4132
30		8.8A	51 34.680	-0.0025	11	-5 30 36.10	0.044	11	0.23	34.722	16	33.5	36.83	16	33.5	G0	17	5517	A -5 4187
31		8.5A	51 37.914	-0.0054	12	-8 26 0.66	-0.024	12	0.25	38.004	16	33.5	0.26	16	33.5	G0	16	5536	A -8 4104
32		8.3A	51 49.326	-0.0045	09	-4 33 30.65	-0.064	09	0.22	49.400	16	33.5	29.59	16	33.5	G0	17	5518	A -4 3997
33		9.1A	51 56.167	0.0013	12	-7 19 51.94	0.046	12	0.25	56.146	16	33.5	52.70	16	33.5	F2	16	5537	A -7 4134
34		8.8A	52 21.447	-0.0065	09	-4 45 9.06	-0.046	09	0.22	21.555	16	33.4	8.29	16	33.4	K0 R	17	5519	A -4 3998
35		9.2A	52 25.940	0.0001	11	-7 11 0.43	0.004	09	0.22	25.939	16	33.7	0.49	16	33.7	G0 R	16	5538	A -6 4306
36		9.1A	52 44.187	-0.0008	09	-4 19 51.67	-0.003	09	0.22	44.200	16	33.5	51.62	16	33.5	A0	17	5520	A -4 4000
37		8.5A	52 52.272	-0.0011	09	-4 16 7.29	0.004	09	0.22	52.289	16	33.5	7.36	16	33.5	K5	17	5521	A -3 3846
38		7.2T	52 59.883	0.0001	11	-8 30 7.17	-0.082	09	0.51	59.880	17	03.7	3.19	15	01.4	G5	GC	21384	-8 4106
39		9.0A	53 0.092	0.0004	09	-2 6 2.58	-0.009	11	0.22	0.087	17	36.4	2.46	17	36.4	K0 R	21	4021	A -1 3117
40		9.0A	53 3.107	-0.0002	12	-7 6 45.09	-0.013	11	0.24	3.110	16	33.5	44.88	16	33.5	A3	16	5541	A -6 4312
41		8.8A	53 13.816	-0.0004	12	-6 59 40.55	-0.020	11	0.24	13.823	16	33.5	40.22	16	33.5	K2	16	5542	A -6 4313
42		7.0G	53 19.040	-0.0060	04	-2 1 7.57	-0.067	03	0.25	19.399	09	89.9	3.31	07	86.4	G0	GC	21389K	B* -1 3118
43		8.4A	53 28.986	-0.0016	12	-9 34 41.39	0.009	11	0.24	29.013	16	33.5	41.54	16	33.5	K0	16	5543	A -9 4260
44		9.1A	53 54.238	-0.0012	12	-8 45 12.81	-0.007	12	0.25	54.258	16	33.7	12.70	16	33.7	G0 R	16	5544	A -8 4109
45		9.0A	54 0.729	-0.0016	11	-9 55 4.40	-0.019	11	0.23	0.756	16	33.5	4.09	16	33.5	K5	16	5545	A -9 4262
46		9.1G	54 2.254	-0.0033	15	-0 45 51.27	-0.047	13	0.63	2.393	17	07.2	49.22	17	06.2	F8	GC	21404	-0 3036
47		8.8A	54 18.454	0.0006	09	-4 7 20.91	-0.017	09	0.22	18.444	16	33.5	21.19	16	33.5	G8 F	17	5523	A -3 3847
48		8.1A	54 19.232	-0.0004	09	-0 48 40.62	-0.012	11	0.22	19.237	17	36.4	40.46	17	36.4	K5	21	4024	A -0 3038
49		8.7A	54 21.613	-0.0012	12	-6 49 38.38	-0.016	12	0.25	21.633	16	33.5	38.11	16	33.5	K2	16	5546	A -6 4316
50		8.3A	54 26.237	-0.0004	11	-2 50 42.39	-0.005	11	0.23	26.243	16	33.5	42.31	16	33.5	A0	17	5525	A -2 4077
51		7.7A	15 54 26.439	-0.0001	09	-0 36 5.44	-0.010	11	0.22	26.440	17	36.4	5.30	17	36.4	K5	21	4025	A -0 3040
52		8.1A	54 27.028	-0.0008	12	-6 41 3.84	-0.015	12	0.25	27.041	16	33.5	3.59	16	33.5	A5	16	5547	A -6 4317
53		7.0T	54 28.709	0.0022	13	-6 9 10.38	0.005	13	0.75	28.588	15	94.3	10.67	17	94.8	A0	GC	21416	-5 4199
54		7.8A	54 30.301	-0.0004	11	-5 15 16.41	-0.015	11	0.23	30.308	16	33.5	16.17	16	33.5	F5	17	5526	A -4 4007
55		8.9A	54 31.941	0.0007	12	-9 8 31.63	-0.056	12	0.25	31.930	16	33.5	30.70	16	33.5	A5	16	5549	A -8 4111
56		9.0A	54 39.178	-0.0043	13	-5 49 4.22	-0.016	13	0.27	39.250	16	33.5	3.96	16	33.5	G5	17	5527	A -5 4200
57		8.8A	54 41.887	0.0008	12	-6 5 3.19	-0.002	12	0.25	41.874	16	33.5	3.16	16	33.5	K0	17	5528	A -5 4201
58		9.0A	54 44.375	-0.0001	12	-9 24 6.83	0.003	12	0.25	44.377	16	33.5	6.88	16	33.5	G5	16	5550	A -9 4265
59		9.0A	54 44.919	0.0002	12	-5 10 51.98	-0.017	12	0.25	44.915	16	33.4	51.69	16	33.4	K0 R	17	5529	A -4 4009
60		9.2A	54 44.987	0.0012	12	-8 23 12.61	-0.033	12	0.25	44.968	16	33.7	12.07	16	33.7	F2 R	16	5551	A -8 4114
61		9.1A	54 54.181	0.0004	12	-7 6 40.45	0.017	12	0.25	54.175	16	33.5	40.73	16	33.5	A0	16	5552	A -6 4318
62		9.0A	55 17.611	0.0004	09	-4 19 0.71	0.002	09	0.22	17.604	16	33.4	0.74	16	33.4	M0 R	17	5530	A -4 4011
63		8.7A	55 22.018	-0.0013	12	-8 33 14.27	-0.049	12	0.25	22.039	16	33.5	13.46	16	33.5	F8	16	5553	A -8 4117
64		8.7A	55 23.249	-0.0013	09	-3 1 56.73	-0.017	11	0.22	23.270	16	33.5	56.45	16	33.5	A2	17	5531	A -2 4080
65		9.0A	55 32.794	-0.0003	11	-6 31 48.14	-0.014	09	0.22	32.798	16	33.7	47.91	16	33.7	F2 R	16	5554	A -6 4323
66		8.8A	55 38.134	-0.0067	09	-5 20 10.76	0.005	09	0.22	38.244	16	33.5	10.84	16	33.5	G0	17	5532	A -5 4206
67		8.8A	55 39.989	-0.0008	12	-7 31 52.52	0.002	11	0.24	40.001	16	33.5	52.56	16	33.5	A3	16	5555	A -7 4149
68		8.3A	55 50.633	0.0000	12	-8 51 41.14	-0.023	12	0.25	50.633	16	33.5	40.76	16	33.5	F5	16	5556	A -8 4119
69		8.9A	55 53.053	-0.0006	12	-7 49 5.45	-0.018	12	0.25	53.065	16	33.5	5.15	16	33.5	G5	16	5557	A -7 4150
70		7.6A	55 54.854	0.0010	12	-6 33 42.91	0.004	11	0.24	54.837	16	33.5	42.98	16	33.5	K0	16	5558	A -6 4324
71		9.1A	55 59.119	0.0003	12	-4 21 15.80	-0.003	12	0.25	59.114	16	33.5	15.75	16	33.5	G5 F	17	5533	A -4 4014
72		9.0A	56 3.120	-0.0001	12	-3 20 24.95	-0.058	12	0.25	3.121	16	33.5	23.99	16	33.5	K0 F	17	5534	A -3 3851
73		8.8A	56 11.671	0.0006	11	-8 20 51.80	0.014	11	0.23	11.660	16	33.5	52.03	16	33.5	G5	16	5559	A -8 4121
74		9.2A	56 12.236	-0.0005	13	-2 51 55.90	0.024	13	0.27	12.245	16	33.4	56.30	16	33.4	K0 R	17	5535	A -2 4084
75		8.0G	56 16.848	-0.0163	07	-2 55 55.03	0.045	07	0.37	17.688	10	98.3	57.45	10	96.2	G0	GC	21457K	B* -2 4085
76		9.3A	56 32.010	0.0008	15	-5 26 20.09	-0.065	15	0.30	31.997	16	33.4	19.02	16	33.4	F5 R	17	5537	A -5 4207
77		8.8A	56 32.718	-0.0082	12	-8 34 33.87	-0.060	12	0.25	32.853	16	33.5	32.88	16	33.5	G0	16	5560	A -8 4124
78		8.4A	56 33.312	0.0001	12	-8 36 40.00	-0.008	12	0.25	33.311	16	33.5	39.87	16	33.5	G0	16	5561	A -8 4123
79		9.1A	56 40.495	0.0023	13	-5 25 6.85	-0.049	13	0.27	40.457	16	33.4	6.03	16	33.4	F5 R	17	5538	A -5 4208
80		9.0A	56 44.586	-0.0007	12	-7 6 2.09	-0.023	12	0.25	44.598	16	33.7	1.72	16	33.7	MC R	16	5562	A -6 4327
81		9.0A	56 57.026	-0.0017	09	-0 29 20.06	-0.045	11	0.22	57.049	17	36.4	19.45	17	36.4	K2 R	21	4031	A -0 3045
82		6.6T	57 0.227	-0.0011	09	-7 9 39.56	-0.010	07	0.47	0.289	15	94.6	39.01	15	94.0	A0	GC	21483	-6 4330
83		9.2A	57 3.151	-0.0007	12	-9 48 52.91	0.018	12	0.25	3.162	16	33.7	53.21	16	33.7	K0 R	16	5564	A -9 4278
84		8.3A	57 3.842	-0.0069	13	-4 56 3.18	-0.109	13	0.27	3.956	16	33.5	1.38	16	33.5	K2	17	5539	A -4 4017
85		7.4T	57 6.923	-0.0007	09	-5 59 10.50	-0.014	08	0.34	6.953	09	09.2	9.96	07	10.7	K0	GC	21487	-5 4210
86		7.9A	57 10.985	-0.0016	12	-6 53 9.13	0.000	12	0.25	11.011	16	33.5	9.13	16	33.5	K2	16	5566	A -6 4331
87		8.6A	57 11.715	-0.0001	12	-7 44 47.85	-0.039	12	0.25	11.716	16	33.5	47.20	16	33.5	G0	16	5565	A -7 4157
88		8.3A	57 21.796	-0.0010	12	-6 58 54.41	-0.030	12	0.25	21.812	16	33.5	53.92	16	33.5	F8	16	5567	A -6 4332
89		8.8A	57 28.834	-0.0024	09	-3 42 2.59	-0.016	09	0.22	28.873	16	33.5	2.33	16	33.5	K0	17	5541	A -3 3853
90		8.4A	57 28.987	-0.0020	12	-6 42 38.65	-0.015	11	0.24	27.000	16	33.5	38.40	16	33.5	K0	16	5568	A -6 4333
91		9.1A	57 33.240	-0.0010	09	-5 2 24.86	0.002	09	0.22	33.256	16	33.4	24.89	16	33.4	F0 R	17	5542	A -4 4019
92		8.2A	57 37.758	-0.0020	12	-4 56 28.27	-0.024	12	0.25	37.791	16	33.5	27.86	16	33.5	A0	17	5543	A -4 4020
93		8.1A	57 40.921	0.0013	12	-7 40 3.84	-0.014	12	0.25	40.900	16	33.5	3.61	16	33.5	F0	16	5569	A -7 4159
94		8.3A	57 41.287	-0.0008	12	-8 3 13.66	-0.045	12	0.25	41.301	16	33.5	12.92	16	33.5	A2	16	5570	A -7 4158
95		8.3A	57 55.118	0.0018	09	-5 30 46.65	-0.030	09	0.22	55.089	16	33.5	46.15	16	33.5	K0	17	5544	A -5 4213
96		8.6A	58 4.494	0.0001	11	-3 44 30.39	-0.023	11	0.23	4.492	16	33.5	30.01	16	33.5	K5	17	5545	A -3 3857
97		5.5H	58 5.433	-0.0012	02	-8 16 17.12	-0.018	02	0.06	5.458	05	28.8	16.63	05	23.4	A0	F4	1420	-7 4162
98		9.0A	58 20.175	-0.0004	11	-5 48 57.00	0.014	11	0.24	20.183	16	33.4	57.23	16	33.4	K0 R	17	5546	A -5 4215
99		9.2A	58 38.348	0.0017	09	-1 25 23.95	-0.025	11	0.22	38.324	17	36.4	23.61	17	36.4	F8 R	21	4036	A -1 3126
00		8.7A	58 44.284	0.0002	12	-6 45 17.77	-0.025	12	0.25	44.280	16	33.5	17.36	16	33.5	G5	16	5573	A -6 4338

140900

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	EPOCH 1950 μ s	EPOCH 1950 σ_μ ″.001	EPOCH 1950 δ_{1950} ° ′ ″	EPOCH 1950 μ' ″	EPOCH 1950 σ'_μ ″.001	EPOCH 1950 σ_{1950} ″	ORIGINAL EPOCH α_2 s	ORIGINAL EPOCH σ ″.01	ORIGINAL EPOCH ep.	ORIGINAL EPOCH δ_2 ″	ORIGINAL EPOCH σ' ″.01	ORIGINAL EPOCH ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	- 0° 15H DM NUMBER
1		9.3A	15 58 51.482	0.0011	09	-1 27 2.11	-0.024	11	0.22	51.466	17	36.4	1.78	17	36.4	F5 R	21	4037	A -1 3127
2		8.8A	59 0.365	0.0006	11	-5 33 22.38	-0.036	11	0.24	0.355	16	33.4	21.79	16	33.4	M2 R	17	5547	A -5 4216
3		6.8T	59 3.916	-0.0048	07	-3 37 30.49	0.024	07	0.38	4.163	10	98.2	31.71	10	98.5	F2	GC	21526	-3 3859
4		9.1A	59 12.504	0.0006	11	-8 17 58.72	-0.033	11	0.23	12.494	16	33.5	56.18	16	33.5	K2	16	5574	A -8 4134
5		8.7A	59 20.879	0.0007	11	-6 19 28.34	0.032	11	0.23	20.868	16	33.5	26.87	16	33.5	K0	17	5549	A -6 4342
6		8.8A	59 29.331	0.0005	11	-3 12 11.90	-0.008	11	0.23	29.322	16	33.5	11.77	16	33.5	K2	17	5550	A -2 4093
7		7.6A	59 32.182	-0.0011	09	-0 40 57.26	-0.030	11	0.22	32.207	17	36.4	56.85	17	36.4	A2	21	4038	A -0 3048
8		9.1A	59 35.160	0.0004	11	-6 39 45.08	-0.017	11	0.23	35.154	16	33.5	44.80	16	33.5	A5	16	5576	A -6 4343
9		9.2A	59 35.177	0.0035	09	-3 23 37.96	-0.036	09	0.22	35.118	16	33.5	37.04	16	33.5	K0	17	5551	A -3 3861
10		9.0A	59 58.464	0.0014	09	-5 53 4.06	-0.043	09	0.22	58.441	16	33.5	3.35	16	33.5	G5	17	5552	A -5 4220
11		8.1B	16 0 0.084	-0.0003	09	-8 21 23.00	-0.011	07	0.44	0.080	15	99.3	22.42	15	96.2	K5	GC	21546	-8 4136
12		8.0A	0 4.965	0.0001	13	-3 31 9.16	-0.048	13	0.27	4.964	16	33.5	8.37	16	33.5	F2	17	5553	A -3 3884
13		7.6A	0 9.181	-0.0016	09	-0 16 29.81	-0.006	11	0.22	9.202	17	36.4	29.73	17	36.4	G5	21	4040	A -0 3049
14		8.1A	0 11.030	-0.0018	13	-4 40 46.97	-0.049	13	0.27	11.060	16	33.5	46.15	16	33.5	F5	17	5554	A -4 4086
15		8.0A	0 12.067	-0.0016	09	-2 19 57.50	-0.016	11	0.22	12.089	17	36.4	57.26	17	36.4	K2	21	4039	A -2 4084
16		7.2A	0 16.862	0.0002	12	-7 54 38.33	-0.016	12	0.25	16.859	16	33.5	38.07	16	33.5	F2	16	5578	A -7 4174
17		8.0A	0 22.748	-0.0024	09	-1 30 43.60	-0.021	11	0.22	22.781	17	36.4	43.31	17	36.4	K2	21	4041	A -1 3129
18		7.0T	0 23.827	-0.0002	09	-5 41 48.66	-0.029	09	0.46	23.838	12	99.9	47.19	14	98.9	K2	GC	21558	-5 4221
19		9.0A	0 24.358	-0.0024	11	-8 18 51.70	-0.011	11	0.23	24.397	16	33.7	51.52	16	33.7	G5 R	16	5579	A -8 4138
20		9.1A	0 27.027	0.0000	12	-8 38 30.33	-0.004	12	0.25	27.027	16	33.5	30.26	16	33.5	F5	16	5580	A -8 4139
21		9.1A	0 33.914	-0.0005	12	-4 31 54.87	-0.043	12	0.25	33.922	16	33.5	54.15	16	33.5	G5	17	5557	A -4 4029
22		8.1B	0 34.510	-0.0013	11	-8 20 33.78	-0.031	05	0.51	34.572	18	02.8	32.26	18	00.7	A5	GC	21563	-8 4140
23		9.2A	0 46.282	0.0001	09	-3 13 16.32	0.009	09	0.22	46.280	16	33.4	16.47	16	33.4	K5 R	17	5558	A -2 4098
24		8.6A	0 57.283	0.0005	13	-5 8 31.01	-0.041	13	0.27	57.274	16	33.5	30.34	16	33.5	K5	17	5559	A -4 4032
25		7.4T	1 25.879	-0.0000	18	-9 46 58.54	0.000	17	0.76	25.880	15	08.2	58.54	15	07.6	K0	GC	21589	-9 4291
26		9.3A	1 31.805	-0.0026	12	-6 19 54.42	-0.023	12	0.25	31.849	16	33.4	54.05	16	33.4	K2 R	17	5560	A -6 4354
27		8.8A	1 32.408	-0.0009	11	-5 37 28.82	0.001	11	0.23	32.424	16	33.5	28.84	16	33.5	K0	17	5561	A -5 4222
28		9.4A	1 40.000	-0.0044	15	-3 4 56.48	0.032	15	0.29	40.073	16	33.5	57.01	16	33.5	F8 F	17	5562	A -3 4102
29		9.0A	1 40.732	-0.0017	11	-8 33 1.68	-0.018	11	0.23	40.761	16	33.5	1.38	16	33.5	F8	16	5584	A -8 4143
30		8.7A	1 46.409	-0.0009	12	-8 43 16.33	0.002	12	0.25	46.424	16	33.5	16.36	16	33.5	K2	16	5585	A -8 4144
31		8.8A	1 55.676	-0.0005	13	-5 4 56.86	-0.034	13	0.27	55.684	16	33.5	56.30	16	33.5	K5	17	5563	A -4 4036
32		8.9A	1 56.903	0.0005	09	-5 36 17.26	-0.011	09	0.22	56.895	16	33.5	17.08	16	33.5	K2	17	5564	A -5 4227
33		9.1A	2 6.871	0.0001	13	-4 24 68	-0.025	13	0.27	6.870	16	33.5	24.27	16	33.5	K0	17	5565	A -2 4103
34		7.8Q	2 7.028	-0.0005	11	-1 1 27.07	-0.033	09	0.49	7.049	14	03.1	25.50	14	02.3	K2	GC	21601	-0 3052
35		8.9A	2 12.807	-0.0005	12	-6 42 6.54	-0.009	12	0.25	12.814	16	33.5	6.39	16	33.5	K0	16	5586	A -6 4356
36		8.3A	2 22.150	0.0014	12	-4 20 33.81	-0.006	12	0.25	22.127	16	33.5	33.70	16	33.5	F5	17	5566	A -4 4038
37		8.9A	2 30.072	0.0006	11	-5 0 46.53	-0.105	11	0.23	30.061	16	33.5	44.79	16	33.5	K5	17	5567	A -4 4039
38		6.9T	2 31.296	-0.0006	12	-3 23 33.01	0.023	11	0.64	31.327	15	96.2	34.22	15	97.2	A0	GC	21608	-3 3870
39		9.2A	2 33.141	0.0009	12	-8 15 23.32	-0.008	11	0.24	33.126	16	33.5	23.19	16	33.5	K2	16	5587	A -7 4184
40		9.2A	2 40.960	0.0004	12	-6 22 35.12	-0.016	12	0.25	40.953	16	33.4	34.86	16	33.4	M0 R	17	5569	A -6 4358
41		7.7A	2 44.262	-0.0040	11	-3 12 47.26	-0.040	13	0.26	44.328	16	33.5	46.60	16	33.5	K0	17	5571	A -2 4105
42		7.8A	2 46.839	0.0027	12	-6 9 20.82	-0.009	12	0.25	46.795	16	33.5	20.67	16	33.5	F5	17	5570	A -5 4231
43		8.9A	2 54.697	0.0005	13	-5 52 56.25	-0.033	13	0.27	54.689	16	33.5	55.71	16	33.5	K2	17	5572	A -5 4232
44		7.9A	3 3.721	-0.0011	12	-6 57 2.06	0.018	12	0.25	3.739	16	33.5	2.36	16	33.5	K0	16	5590	A -6 4360
45		6.4T	3 4.173	0.0023	09	-6 9 24.80	-0.011	07	0.50	4.041	14	91.9	24.13	12	87.0	F5	GC	21616K	B* -5 4234
46		7.8A	3 18.477	0.0008	11	-8 38 7.86	-0.082	11	0.23	18.463	16	33.5	6.50	16	33.5	G5	16	5592	A -8 4153
47		6.5T	3 19.895	-0.0022	06	-6 0 18.98	0.001	06	0.25	19.979	09	12.1	19.03	10	08.8	K0	GC	21626	-5 4235
48		8.7A	3 22.520	-0.0006	13	-5 19 35.70	0.017	13	0.27	22.530	16	33.5	35.98	16	33.5	A0	17	5575	A -5 4236
49		8.7A	3 27.221	0.0011	12	-9 58 11.18	-0.005	12	0.25	27.204	16	33.5	11.10	16	33.5	G5	16	5593	A -9 4298
50		9.0A	3 27.871	-0.0005	13	-5 24 40.50	0.012	13	0.27	27.878	16	33.5	40.69	16	33.5	K2	17	5576	A -5 4237
51		8.3A	16 3 39.782	-0.0015	09	-0 13 56.89	-0.033	11	0.22	39.803	17	36.4	56.45	17	36.4	G5	21	4047	A 0 3454
52		7.8A	3 43.569	0.0049	11	-4 37 13.21	0.002	11	0.23	43.488	16	33.5	13.23	16	33.5	F8	17	5577	A -4 4042
53		9.1A	3 45.880	-0.0003	12	-8 22 47.02	0.002	12	0.25	45.884	16	33.5	47.05	16	33.5	F0	16	5594	A -8 4157
54		8.4A	3 46.247	0.0007	13	-3 11 36.42	-0.021	13	0.27	46.235	16	33.5	36.77	16	33.5	K0	17	5578	A -2 4106
55		8.6A	3 46.826	-0.0005	09	-0 3 41.73	-0.019	11	0.22	46.833	17	36.4	41.48	17	36.4	K2	21	4049	A 0 3455
56		9.0A	3 47.444	-0.0014	12	-2 25 49.61	-0.049	12	0.25	47.467	16	33.5	48.80	16	33.5	G5 F	17	5579	A -2 4109
57		8.1A	3 52.048	-0.0025	12	-9 52 39.87	0.023	11	0.24	52.090	16	33.5	40.25	16	33.5	K0	16	5595	A -9 4300
58		9.0A	3 54.685	-0.0017	13	-2 36 58.51	0.002	13	0.27	54.712	16	33.5	58.54	16	33.5	K2 F	17	5580	A -2 4110
59		9.0A	4 2.201	-0.0013	11	-4 40 52.00	0.002	11	0.23	2.222	16	33.5	52.02	16	33.5	A2	17	5581	A -4 4043
60		9.1A	4 3.082	-0.0029	12	-9 22 56.13	-0.004	12	0.25	3.130	16	33.5	56.06	16	33.5	A3	16	5597	A -9 4301
61		9.0A	4 12.715	-0.0027	12	-7 51 12.44	0.013	12	0.25	12.761	16	33.5	12.66	16	33.5	F0	16	5598	A -7 4189
62		9.0A	4 13.715	-0.0005	13	-5 53 6.07	0.006	13	0.27	13.724	16	33.5	6.17	16	33.5	K5	17	5582	A -5 4240
63		8.6A	4 14.988	-0.0003	12	-7 25 13.18	-0.014	12	0.25	14.993	16	33.5	12.95	16	33.5	K5	16	5600	A -7 4191
64		9.1A	4 15.049	0.0002	12	-7 33 52.68	-0.008	12	0.25	15.045	16	33.5	52.55	16	33.5	K5	16	5599	A -7 4190
65		8.4A	4 21.316	-0.0012	13	-3 7 9.33	-0.004	13	0.27	21.336	16	33.5	9.27	16	33.5	A5	17	5583	A -2 4111
66		7.5A	4 23.449	-0.0021	09	-3 44 40.19	-0.021	09	0.22	23.484	16	33.5	39.84	16	33.5	MA	17	5584	A -3 3875
67		8.0A	4 29.967	0.0009	13	-4 9 47.36	-0.023	13	0.27	29.952	16	33.5	46.98	16	33.5	K0	17	5585	A -3 3876
68		8.8A	4 34.733	-0.0013	12	-7 34 7.04	-0.022	12	0.25	34.753	16	33.5	6.68	16	33.5	F0	16	5602	A -7 4194
69		8.7A	4 39.407	-0.0068	12	-8 2 12.82	0.035	12	0.25	39.520	16	33.5	13.40	16	33.5	K0	16	5603	A -7 4195
70		8.8A	4 41.776	-0.0020	09	-1 29 33.40	0.003	11	0.22	41.803	17	36.4	33.44	17	36.4	K2	21	4050	A -1 3131
71		8.2Q	4 59.851	-0.0022	08	-2 31 5.24	-0.008	06	0.41	59.963	15	97.9	4.77	14	92.2	F5	GC	21671K	B* -2 4113
72		9.0A	5 0.706	-0.0006	09	-0 48 51.42	-0.034	11	0.22	0.715	17	36.4	50.96	17	36.4	F2	21	4051	A -0 3054
73		9.1A	5 1.133	0.0009	12	-8 28 13.10	-0.025	12	0.25	1.118	16	33.5	12.69	16	33.5	K2	16	5605	A -8 4163
74		7.7A	5 1.509	-0.0024	12	-7 49 27.73	-0.004	12	0.25	1.549	16	33.5	27.66	16	33.5	K0	16	5606	A -7 4198
75		8.1A	5 4.706	-0.0039	11	-8 11 11.04	0.007	11	0.23	4.769	16	33.5	11.16	16	33.5	F5	16	5608	A -7 4199
76		8.9A	5 5.179	-0.0025	12	-9 38 27.17	-0.009	12	0.25	5.221	16	33.5	27.02	16	33.5	K0	16	5607	A -9 4304
77		9.5A	5 21.084	-0.0001	11	-6 15 3.15	-0.016	11	0.23	21.086	16	33.6	2.89	16	33.6	K2	17	5587	A -5 4243
78		9.0A	5 24.136	-0.0004	09	-0 48 38.41	0.010	11	0.22	24.142	17	36.4	38.55	17	36.4	G5 R	21	4052	A -0 3056
79		8.8A	5 27.163	-0.0018	09	-0 54 15.23	-0.028	11	0.22	27.188	17	36.4	14.85	17	36.4	F0	21	4053	A -0 3057
80		8.4A	5 33.501	-0.0008	09	-0 21 44.92	-0.012	11	0.22	33.511	17	36.4	44.76	17	36.4	K2	21	4054	A -0 3058
81		6.6T	5 42.898	0.0019	09	-9 58 8.85	-0.113	09	0.50	42.799	17	97.1	2.88	15	97.1	F8	GC	21693K	B* -9 4305
82		8.8A	5 57.641	-0.0011	12	-3 54 32.92	-0.008	12	0.25	57.658	16	33.6	32.78	16	33.6	A8 F	17	5588	A -3 3879
83		8.5A	5 58.662	-0.0012	12	-8 38 6.89	-0.026	12	0.25	58.682	16	33.6	6.46	16	33.6	F5	16	5611	A -8 4165
84		9.1A	6 2.586	-0.0027	12	-6 55 3.67	0.018	12	0.25	2.611	16	33.6	3.96	16	33.6	G0	16	5612	A -6 4368
85		9.0A	6 6.995	0.0003	11	-8 27 26.14	0.000	11	0.23	6.990	16	33.6	26.14	16	33.6	F0	16	5613	A -8 4166
86		8.8A	6 7.727	-0.0047	13	-2 42 0.21	0.031	13	0.27	7.805	16	33.6	0.72	16	33.6	G5	17	5589	A -2 4116
87		9.1A	6 8.775	-0.0023	12	-9 20 45.01	-0.061	12	0.25	8.814	16	33.6	44.01	16	33.6	G0	16	5614	A -9 4306
88		9.2A	6 12.067	0.0004	09	-0 46 45.12	0.002	11	0.22	12.062	17	36.4	45.15	17	36.4	K0	21	4056	A -0 3059
89		7.4A	6 18.494	-0.0019	12	-9 31 0.33	-0.039	12	0.25	18.525	16	33.6	59.69	16	33.6	A5	16	5615	A -9 4307
90		7.6T	6 19.172	-0.0002	11	-8 5 14.62	-0.003	09	0.58	19.184	17	93.8	14.46	15	93.0	K0	GC	21712	-7 4205
91		8.7A	6 26.123	-0.0006	09	-5 34 21.82	-0.022	09	0.22	26.133	16	33.6	21.46	16	33.6	A0	17	5590	A -5 4246
92		8.9A	6 27.959	0.0010	12	-7 44 8.06	-0.032	12	0.25	27.943	16	33.6	7.55	16	33.6	G5	16	5617	A -7 4206
93		8.0A	6 30.218	0.0030	11	-4 20 9.33	-0.050	13	0.25	30.168	16	33.6	8.50	16	33.6	F8	17	5591	A -4 4052
94		8.5A	6 49.675	-0.0013	13	-4 26 9.10	-0.020	13	0.27	49.696	16	33.6	8.77	16	33.6	G5	17	5592	A -4 4054
95		8.3A	6 51.393	-0.0009	11	-6 35 50.56	-0.006	11	0.23	51.409	16	33.6	50.46	16	33.6	K0	16	5618	A -6 4370
96		8.7A	6 59.136	-0.0003	11	-3 24 57.49	-0.009	11	0.23	59.141	16	33.6	57.35	16	33.6	K5	17	5593	A -3 3882
97		9.1A	7 5.030	-0.0009	09	-2 9 7.13	0.005	11	0.22	5.042	17	36.4	7.20	17	36.4	F5	21	4058	A -1 3136
98		8.6A	7 5.994	-0.0054	11	-9 4 26.79	-0.024	11	0.23	5.906	16	33.6	26.40	16	33.6	K0	16	5619	A -8 4170
99		9.4A	7 10.220	-0.0015	12	-6 48 44.61	-0.002	12	0.25	10.243	16	33.6	44.58	16	33.6	A0	16	5620	A -6 4373
00		9.4A	7 10.510	-0.0034	09	-0 47 25.59	-0.012	11	0.22	10.556	17	36.4	25.43	17	36.4	G5	21	4059	A -0 3061

141000

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ s	σ_μ ".001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ".001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ ".01	ep.	δ_2 ″	σ' ".01	ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	DM NUMBER
1		5.4T	16 7 13.291	-0.0022	07	-3 20 11.73	-0.009	06	0.29	13.385	12	06.8	11.36	09	09.2	KO	GC	21738	B* -3 3884
2		8.6A	7 17.770	-0.0039	12	-8 7 17.51	0.003	12	0.25	17.834	16	33.6	17.56	16	33.6	F5	16	5621	A -7 4215
3		7.9A	7 23.381	0.0020	09	-1 29 6.71	-0.041	11	0.22	23.353	17	36.4	6.15	17	36.4	F2	21	4061	A -1 3137
4		9.0A	7 27.791	-0.0044	09	-4 40 31.20	0.013	09	0.22	27.863	16	33.6	31.41	16	33.6	KO	17	5595	A -4 4057
5		9.5A	7 40.369	-0.0010	14	-2 17 10.11	-0.034	14	0.26	40.383	17	36.4	9.65	17	36.4	F8 R	21	4062	A* -2 4119
6		9.0A	7 42.672	-0.0004	09	-2 17 15.39	0.015	11	0.22	42.677	17	36.4	15.60	17	36.4	KO	21	4063	A -2 4120
7		9.0A	7 43.500	-0.0006	09	-3 30 49.27	0.018	09	0.22	43.510	16	33.6	49.57	16	33.6	GO	17	5596	A -3 3886
8		9.2A	7 43.837	0.0008	09	-0 37 23.55	-0.013	11	0.22	43.826	17	36.4	23.38	17	36.4	G	21	4064	A -0 3064
9		9.0A	7 50.724	-0.0020	09	-1 56 8.71	0.023	11	0.22	50.751	17	36.4	9.02	17	36.4	K2	21	4065	A -1 3140
10		9.0A	7 55.934	-0.0024	12	-8 6 52.22	-0.030	12	0.25	55.975	16	33.6	51.73	16	33.6	GO	16	5623	A -7 4217
11		9.1A	7 59.026	-0.0011	09	-0 29 46.10	0.006	11	0.22	59.040	17	36.4	46.18	17	36.4	K5	21	4066	A -0 3065
12		9.1A	7 59.466	0.0007	11	-9 21 19.25	0.001	11	0.23	59.454	16	33.6	19.27	16	33.6	KO	16	5624	A -9 4319
13		8.7A	8 0.569	-0.0018	09	-4 36 17.41	-0.014	09	0.22	0.599	16	33.6	17.18	16	33.6	F0	17	5597	A -4 4061
14		7.8G	8 5.913	0.0019	08	-8 10 12.90	-0.018	07	0.44	5.812	14	96.5	11.92	14	94.8	A3	GC	21755	-7 4218
15		8.9A	8 14.557	-0.0029	09	-0 25 19.16	-0.001	11	0.22	14.596	17	36.4	19.15	17	36.4	F5	21	4067	A -0 3066
16		9.2A	8 24.211	-0.0010	09	-1 49 49.65	-0.025	11	0.22	24.225	17	36.4	49.31	17	36.4	KO	21	4068	A -1 3141
17		9.3A	8 30.875	-0.0022	12	-7 19 3.71	-0.001	12	0.25	30.912	16	33.6	3.70	16	33.6	F5	16	5626	A -7 4222
18		8.6A	8 33.360	-0.0051	09	-0 59 1.09	-0.147	11	0.22	33.429	17	36.4	-59.09	17	36.4	G0	21	4069	A* -0 3068
19		8.2A	8 36.369	-0.0020	09	-3 51 37.81	0.009	09	0.22	36.402	16	33.6	37.96	16	33.6	K5	17	5598	A -3 3888
20		9.0A	8 53.451	-0.0011	09	-5 27 10.29	0.019	09	0.22	53.468	16	33.6	10.60	16	33.6	G5	17	5599	A -5 4252
21		8.7A	9 2.993	-0.0005	09	-0 42 20.32	-0.021	11	0.22	3.000	17	36.4	20.04	17	36.4	K5	21	4070	A -0 3069
22		4.9T	9 15.770	-0.0006	03	-9 56 10.17	-0.017	03	0.19	15.805	09	94.0	9.23	09	94.5	A2	GC	21780	B* -9 4324
23		9.0A	9 20.119	-0.0007	11	-6 38 2.96	-0.027	11	0.23	20.131	16	33.6	2.52	16	33.6	G5	16	5628	A -6 4377
24		5.5T	9 24.502	0.0026	04	-8 25 11.52	-0.001	03	0.21	24.363	10	96.0	11.48	09	97.4	A3	GC	21784	B* -8 4180
25		8.8A	9 26.623	-0.0015	09	-0 2 58.84	0.005	11	0.22	26.643	17	36.4	58.91	17	36.4	K5	21	4071	A 0 3468
26		8.7A	10 0.965	0.0004	09	-3 24 10.44	-0.016	09	0.22	0.958	16	33.6	10.18	16	33.6	A5	17	5600	A -3 3890
27		8.9A	10 5.455	-0.0007	09	-5 1 13.73	-0.002	09	0.22	5.465	16	33.6	13.69	16	33.6	A3	17	5601	A -4 4089
28		7.8A	10 10.178	-0.0008	09	-1 35 41.98	-0.018	11	0.22	10.188	17	36.4	41.74	17	36.4	B8	21	4074	A -1 3144
29		9.0A	10 12.219	0.0002	12	-8 28 25.96	-0.040	12	0.25	12.214	16	33.6	25.30	16	33.6	F8	16	5632	A -8 4185
30		8.9A	10 15.355	0.0001	13	-6 9 58.81	0.051	13	0.27	15.354	16	33.6	59.65	16	33.6	A2	17	5602	A -5 4254
31		6.1T	10 18.548	-0.0023	05	-4 5 37.88	-0.018	06	0.23	18.634	09	11.8	37.14	10	09.4	A0	GC	21803	-3 3891
32		8.9A	10 32.526	-0.0021	12	-7 14 54.32	0.011	12	0.25	32.562	16	33.6	54.50	16	33.6	A3	16	5635	A -7 4230
33		7.2A	10 37.149	-0.0040	09	-0 23 32.68	-0.029	11	0.22	37.203	17	36.4	32.49	17	36.4	K0	21	4076	A -0 3078
34		7.9G	10 39.658	-0.0034	14	-1 16 29.35	-0.077	15	0.72	39.821	15	01.4	25.69	17	02.4	F8	GC	21810	-1 3147
35		8.8A	10 45.697	-0.0021	13	-3 28 20.26	0.013	13	0.27	45.731	16	33.6	20.47	16	33.6	K5	17	5604	A -3 3895
36		6.8T	10 47.870	-0.0021	18	-3 55 30.41	-0.015	12	0.84	47.977	18	98.0	29.60	21	96.8	A5	GC	21816	-3 3896
37		8.9A	10 58.558	-0.0003	13	-2 47 37.23	-0.016	13	0.27	58.563	16	33.6	36.97	16	33.6	F8	17	5606	A -2 4130
38		7.7A	11 0.471	-0.0019	12	-9 4 36.52	-0.026	12	0.25	0.503	16	33.6	36.09	16	33.6	K2	16	5636	A -8 4188
39		6.9T	11 3.326	-0.0030	09	-7 59 30.26	0.006	08	0.49	3.495	15	93.9	30.62	15	92.3	KO	GC	21825	-7 4233
40		6.6T	11 3.514	-0.0037	07	-1 20 57.71	-0.013	07	0.29	3.669	07	07.7	57.18	07	08.7	KO	GC	21826	-1 3149
41		8.5A	11 3.708	-0.0027	12	-6 6 12.02	-0.014	12	0.25	3.752	16	33.6	11.79	16	33.6	A0	17	5607	A -5 4259
42		8.8A	11 4.614	-0.0009	12	-7 31 10.36	0.013	12	0.25	4.630	16	33.6	10.57	16	33.6	A0	16	5638	A -7 4234
43		8.5A	11 10.944	-0.0017	11	-4 3 41.71	0.030	11	0.23	10.972	16	33.6	42.20	16	33.6	KO	17	5608	A -3 3899
44		8.0A	11 12.749	0.0040	12	-6 46 55.64	-0.062	12	0.25	12.683	16	33.6	54.62	16	33.6	G0	16	5640	A -6 4386
45		8.8A	11 19.440	-0.0029	12	-8 39 50.20	0.005	12	0.25	19.488	16	33.6	50.28	16	33.6	F8	16	5641	A -8 4189
46		9.0A	11 25.154	-0.0013	09	-1 48 8.23	-0.003	11	0.22	25.172	17	36.4	8.19	17	36.4	G0	21	4080	A -1 3152
47		8.5A	11 28.455	-0.0013	09	-2 12 48.60	-0.001	11	0.22	28.473	17	36.4	48.59	17	36.4	F5	21	4081	A -1 3153
48		8.0A	11 28.546	-0.0014	11	-4 1 57.88	0.004	11	0.23	28.569	16	33.6	57.95	16	33.6	A0	17	5609	A -3 3901
49		9.0A	11 36.038	-0.0024	15	-2 57 24.50	0.007	15	0.29	38.077	16	33.6	24.62	16	33.6	F0	17	5611	A -2 4134
50		8.5A	11 38.765	0.0004	13	-3 20 49.18	-0.097	13	0.27	38.758	16	33.6	47.59	16	33.6	G5	17	5612	A -3 3902
51		9.0A	16 11 41.113	-0.0013	09	-0 0 47.10	0.013	11	0.22	41.131	17	36.4	47.28	17	36.4	G0	21	4082	A 0 3474
52		3.0H	11 43.325	-0.0032	01	-3 34 1.41	-0.145	01	0.03	43.458	02	07.7	-55.02	02	06.0	M0	F4	603	-3 3903
53		9.0A	11 51.972	-0.0002	09	-2 0 45.93	-0.006	11	0.22	51.974	17	36.4	45.85	17	36.4	K2 R	21	4084	A -1 3154
54		8.7A	12 2.900	-0.0019	12	-9 36 38.51	-0.004	12	0.25	2.932	16	33.6	38.45	16	33.6	A3	16	5644	A -9 4333
55		8.5A	12 4.054	-0.0010	09	-1 47 48.21	-0.049	11	0.22	4.067	17	36.4	47.54	17	36.4	A3	21	4086	A -1 3155
56		8.2A	12 4.241	0.0015	09	-0 16 25.76	-0.024	11	0.22	4.221	17	36.4	25.43	17	36.4	KO	21	4087	A -0 3082
57		8.9A	12 7.241	-0.0000	11	-6 21 47.04	-0.002	11	0.23	7.241	16	33.6	47.02	16	33.6	KO	17	5614	A -6 4388
58		8.5A	12 21.559	-0.0015	09	-0 8 8.98	-0.005	11	0.22	21.580	17	36.4	8.91	17	36.4	K2	21	4088	A 0 3477
59		8.8A	12 22.814	-0.0003	09	-0 27 47.27	-0.024	11	0.22	22.818	17	36.4	46.94	17	36.4	KO	21	4089	A -0 3083
60		8.5A	12 24.617	-0.0014	13	-2 43 26.04	-0.011	13	0.27	24.640	16	33.6	25.86	16	33.6	G5	17	5615	A -2 4144
61		7.0T	12 28.779	-0.0017	11	-1 39 0.61	-0.025	12	0.58	28.859	15	01.8	-59.41	15	02.2	A0	GC	21855	-1 3157
62		8.0A	12 29.458	-0.0020	12	-7 14 12.63	-0.043	12	0.25	29.491	16	33.6	11.92	16	33.6	F0	16	5646	A -6 4391
63		8.6A	12 38.848	-0.0002	09	-2 12 38.50	0.018	11	0.22	38.851	17	36.4	38.75	17	36.4	G5	21	4091	A -1 3159
64		8.1A	12 41.306	-0.0002	09	-0 30 50.94	-0.006	11	0.22	41.309	17	36.4	50.86	17	36.4	KO	21	4092	A -0 3085
65		9.2A	12 48.399	-0.0022	09	-2 18 58.19	0.045	11	0.22	48.428	17	36.4	58.80	17	36.4	F5 R	21	4093	A -2 4145
66		5.6T	12 53.968	0.0154	02	-8 14 19.23	-0.505	02	0.13	53.225	06	01.7	-54.08	06	00.2	G0	GC	21864	B* -7 4242
67		9.0A	13 5.396	-0.0003	09	-4 46 24.26	-0.015	09	0.22	5.401	16	33.6	24.01	16	33.6	K2 F	17	5617	A -4 4079
68		9.0A	13 28.160	0.0015	12	-7 48 47.66	-0.001	12	0.25	28.136	16	33.6	47.64	16	33.6	A0	16	5648	A -7 4246
69		6.9T	13 44.569	-0.0085	06	-1 31 32.65	0.007	05	0.34	45.064	12	91.6	33.08	12	88.5	F8	GC	21877K	-1 3161
70		9.0A	13 46.972	0.0014	12	-6 51 19.65	-0.020	12	0.25	46.948	16	33.6	19.32	16	33.6	A0	16	5649	A -6 4393
71		8.6A	14 3.372	0.0011	12	-8 18 25.41	0.004	12	0.25	3.355	16	33.6	25.48	16	33.6	K5	16	5651	A -8 4197
72		8.9A	14 4.342	0.0006	09	-5 13 37.21	0.017	09	0.22	4.332	16	33.6	37.50	16	33.6	KO	17	5618	A -4 4083
73		9.2A	14 6.436	0.0074	09	-3 15 34.17	-0.130	09	0.22	6.315	16	33.6	32.03	16	33.6	G8 F	17	5619	A -3 3908
74		7.2T	14 8.935	0.0003	14	-5 22 26.54	-0.019	16	0.77	8.921	15	00.2	25.58	18	00.7	A2	GC	21888	-5 4266
75		6.1T	14 17.298	0.0025	03	-3 49 51.33	0.006	04	0.19	17.179	09	02.9	51.62	09	00.5	F0	GC	21895	-3 3910
76		9.0A	14 17.453	-0.0011	12	-9 14 2.88	-0.017	12	0.25	17.471	16	33.6	2.60	16	33.6	F0	16	5652	A -8 4198
77		8.8A	14 21.448	-0.0001	09	-6 6 1.42	-0.011	09	0.22	21.450	16	33.6	1.24	16	33.6	G5	17	5622	A -5 4267
78		8.2A	15 7.436	-0.0000	13	-3 54 51.60	-0.050	13	0.27	7.436	16	33.6	50.78	16	33.6	F5	17	5624	A -3 3915
79		9.0A	15 9.013	-0.0025	12	-4 7 42.01	0.020	12	0.25	9.054	16	33.4	42.34	16	33.4	M0 R	17	5625	A -3 3916
80		9.0A	15 10.975	-0.0005	17	-5 23 54.96	-0.020	15	0.30	10.983	16	33.6	54.63	16	33.6	KO	17	5626	A -5 4271
81		8.9A	15 11.321	-0.0017	12	-9 22 17.29	-0.018	12	0.25	11.349	16	33.6	16.99	16	33.6	KO	16	5655	A -9 4347
82		8.8A	15 15.658	0.0004	12	-8 9 38.28	-0.032	12	0.25	15.650	16	33.6	37.75	16	33.6	A5	16	5657	A -7 4255
83		8.7A	15 16.937	-0.0007	12	-7 33 36.25	0.017	12	0.25	16.949	16	33.6	36.53	16	33.6	KO	16	5658	A -7 4257
84		8.5A	15 34.559	-0.0007	20	-2 9 7.70	-0.003	20	0.36	34.570	16	33.6	7.65	16	33.6	A3	17	5627	A -1 3166
85		9.0G	15 34.596	-0.0004	08	-2 8 58.01	-0.030	05	0.40	34.615	17	00.6	56.18	15	89.0	A3	GC	21919K	B* -1 3166
86		3.3H	15 40.348	0.0054	01	-4 34 19.57	0.039	01	0.04	40.141	02	11.8	21.09	02	10.7	KO	F4	605	-4 4086
87		8.9A	15 44.775	-0.0011	11	-6 52 25.12	-0.016	11	0.23	44.793	16	33.6	24.83	16	33.6	G5	16	5659	A -6 4396
88		9.2A	15 53.660	-0.0015	09	-0 44 7.48	-0.009	11	0.22	53.680	17	36.4	7.36	17	36.4	A5	21	4100	A -0 3090
89		9.0A	15 55.705	-0.0007	17	-4 28 2.39	-0.021	15	0.30	55.716	16	33.4	2.04	16	33.4	KO R	17	5630	A -4 4088
90		8.9A	16 8.316	0.0010	13	-5 52 22.56	-0.036	13	0.27	8.300	16	33.6	21.97	16	33.6	G0 F	17	5631	A -5 4276
91		8.3A	16 9.615	0.0033	12	-8 57 0.21	-0.049	12	0.25	9.561	16	33.6	-59.40	16	33.6	G5	16	5660	A -8 4205
92		9.0A	16 10.455	-0.0001	09	-0 58 50.65	-0.025	11	0.22	10.456	17	36.4	50.31	17	36.4	K5	21	4102	A -0 3092
93		8.4A	16 23.917	0.0001	12	-7 45 27.37	-0.020	12	0.25	23.916	16	33.6	27.04	16	33.6	KO	16	5661	A -7 4258
94		8.0A	16 24.552	0.0004	12	-7 11 56.94	0.004	12	0.25	24.547	16	33.6	57.01	16	33.6	A0	16	5662	A -6 4399
95		9.0A	16 28.541	0.0001	13	-4 41 37.08	-0.000	13	0.27	28.539	16	33.6	37.07	16	33.6	K8 F	17	5632	A -4 4091
96		6.9T	16 28.558	0.0007	15	-6 45 18.38	-0.095	14	0.82	28.520	17	94.8	13.19	18	95.2	G5	GC	21944	-6 4400
97		8.5A	16 45.594	0.0001	11	-5 1 47.13	0.000	11	0.23	45.592	16	33.6	47.14	16	33.6	K5	17	5633	A -4 4092
98		8.4A	16 45.655	0.0023	12	-9 30 19.77	-0.001	12	0.25	45.617	16	33.6	19.75	16	33.6	A0	16	5664	A -9 4353
99		9.0A	16 49.283	-0.0016	09	-0 39 17.79	-0.025	11	0.22	49.304	17	36.4	17.45	17	36.4	G	21	4103	A -0 3094
00		9.0A	16 52.141	-0.0011	09	-0 35 8.34	-0.018	11	0.22	52.156	17	36.4	8.10	17	36.4	F8	21	4104	A -0 3095

- 00 16H

141100

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	EPOCH 1950 μ s	EPOCH 1950 σ_μ ″.001	EPOCH 1950 δ_{1950} ° ′ ″	EPOCH 1950 μ' ″	EPOCH 1950 $\sigma_{\mu'}$ ″.001	EPOCH 1950 σ_{1950} ″	ORIGINAL EPOCH α_2 s	ORIGINAL EPOCH σ ″.01	ORIGINAL EPOCH ep.	ORIGINAL EPOCH δ_2 ″	ORIGINAL EPOCH σ' ″.01	ORIGINAL EPOCH ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	- 0° 16H DM NUMBER
1		8.3A	16 17 16.198	0.0011	12	-9 43 53.23	-0.007	12	0.25	16.181	16	33.6	53.12	16	33.6	K0	16	5665	A -9 4355
2		8.9A	17 19.310	0.0007	12	-6 49 38.76	-0.031	12	0.25	19.299	16	33.6	38.25	16	33.6	F8	16	5686	A -6 4404
3		8.3A	17 21.901	-0.0017	09	-2 34 21.41	-0.008	08	0.22	21.929	16	33.6	21.28	16	33.6	K0	17	5634	A -2 4160
4		9.0A	17 22.250	0.0006	12	-8 53 28.96	-0.020	12	0.25	22.240	16	33.6	28.63	16	33.6	K5	16	5667	A -8 4209
5		9.0A	17 26.708	0.0004	08	-4 42 33.10	0.004	08	0.22	26.702	16	33.6	33.16	16	33.6	K2 F	17	5635	A -4 4083
6		9.0A	17 28.291	-0.0000	13	-3 51 36.05	-0.017	13	0.27	28.291	16	33.6	35.76	16	33.6	K2	17	5636	A -3 3920
7		8.8A	17 37.008	0.0010	13	-4 39 10.11	0.010	13	0.27	36.992	16	33.6	10.27	16	33.6	K5	17	5637	A -4 4084
8		8.3A	17 37.354	-0.0002	11	-4 26 20.40	-0.006	11	0.23	37.356	16	33.6	20.29	16	33.6	K2	17	5638	A -4 4085
9		9.0A	17 47.891	-0.0017	09	-0 51 20.52	-0.000	11	0.22	47.914	17	36.4	19.58	17	36.4	F5	21	4105	A -0 3097
10		8.9A	17 48.460	0.0002	15	-4 50 5.76	-0.029	15	0.29	48.456	16	33.6	5.27	16	33.6	K0	17	5639	A -4 4086
11		8.7A	18 0.458	0.0002	13	-4 30 37.74	-0.017	13	0.27	0.455	16	33.6	37.46	16	33.6	K2	17	5640	A -4 4087
12		9.0A	18 6.843	-0.0007	17	-3 48 38.65	-0.003	15	0.30	6.854	16	33.6	38.80	16	33.6	K5	17	5641	A -3 3921
13		8.7A	18 20.328	0.0008	12	-6 28 44.90	-0.019	12	0.25	20.315	16	33.6	44.59	16	33.6	K0	16	5688	A -6 4409
14		9.0A	18 29.674	-0.0008	08	-3 44 39.97	-0.003	09	0.22	28.687	16	33.6	39.91	16	33.6	K5	17	5642	A -3 3884
15		8.8A	18 31.370	-0.0006	11	-4 44 58.14	0.010	13	0.25	31.379	16	33.6	58.30	16	33.6	K0	17	5643	A -4 4088
16		9.1A	18 35.228	-0.0002	11	-8 53 39.22	0.019	11	0.23	35.231	16	33.6	39.53	16	33.6	G5	16	5670	A -8 4213
17		9.0A	18 40.493	-0.0003	09	-1 45 4.53	-0.008	11	0.22	40.524	17	36.4	3.33	17	36.4	G0	21	4108	A -1 3170
18		8.8A	18 57.850	-0.0004	12	-9 59 36.01	-0.020	12	0.25	57.857	16	33.6	35.68	16	33.6	G5	16	5673	A -9 4382
19		8.8A	19 15.575	0.0018	12	-7 1 16.83	0.012	12	0.25	15.544	16	33.6	16.83	16	33.6	K0	16	5676	A -7 4412
20		9.2A	19 19.156	-0.0002	13	-4 35 27.84	-0.042	13	0.27	19.159	16	33.6	28.94	16	33.6	G5 F	17	5644	A -4 4100
21		8.9A	19 21.861	-0.0007	09	-3 22 17.00	0.004	09	0.22	21.873	16	33.6	17.07	16	33.6	F5	17	5645	A -3 3886
22		7.1T	19 34.413	-0.0016	08	-8 37 30.00	-0.018	07	0.40	34.495	15	99.7	29.04	14	96.6	A2	GC	22008	-8 4216
23		8.3A	19 37.303	-0.0003	11	-5 33 41.16	-0.037	11	0.23	37.308	16	33.6	40.56	16	33.6	K0	16	5646	A -5 4282
24		8.6A	19 45.205	-0.0035	11	-9 21 45.75	-0.034	11	0.23	45.262	16	33.6	45.19	16	33.6	G0	16	5678	A -9 4367
25		8.8A	19 47.374	-0.0019	12	-6 44 52.93	-0.020	12	0.25	47.406	16	33.6	52.60	16	33.6	F0	16	5679	A -6 4416
26		8.0A	19 54.757	-0.0056	09	-4 7 49.48	-0.163	09	0.22	54.849	16	33.6	46.80	16	33.6	G0	17	5647	A -3 3829
27		8.9A	19 57.539	0.0009	09	-4 6 9.13	-0.010	09	0.22	57.524	16	33.6	8.97	16	33.6	A0	17	5648	A -3 3830
28		8.9A	19 59.750	0.0016	11	-4 36 10.66	-0.027	13	0.25	59.724	16	33.6	10.21	16	33.6	F8 F	17	5649	A -4 4101
29		6.1T	20 3.008	-0.0010	09	-1 57 48.53	0.001	09	0.50	3.061	14	96.1	48.58	15	97.7	B9	GC	22019	-1 3174
30		8.9A	20 9.154	-0.0007	12	-6 29 20.57	-0.002	12	0.25	9.167	16	33.6	20.54	16	33.6	K2	16	5681	A -6 4418
31		9.0A	20 11.012	-0.0015	09	-0 21 43.50	-0.015	11	0.22	11.032	17	36.4	43.30	17	36.4	K0	21	4114	A -0 3102
32		8.8A	20 17.328	0.0008	11	-7 36 48.30	-0.003	11	0.23	17.315	16	33.6	48.25	16	33.6	K2	16	5682	A -7 4275
33		7.5A	20 18.074	-0.0017	12	-7 5 35.74	-0.014	12	0.25	18.101	16	33.6	35.51	16	33.6	M0	16	5683	A -7 4419
34		9.2A	20 25.905	-0.0002	09	-4 24 6.34	0.012	09	0.22	25.907	16	33.6	6.34	16	33.6	F3	17	5650	A -4 4102
35		9.2A	20 31.248	-0.0003	09	-0 2 26.51	-0.027	11	0.22	31.252	17	36.4	26.14	17	36.4	F5 R	21	4116	A -0 3510
36		7.3T	20 31.424	0.0004	11	-0 44 25.09	-0.003	11	0.62	31.400	15	96.7	24.94	15	97.4	A5	GC	22028K	-0 3105
37		8.5A	20 33.744	-0.0030	09	-0 8 51.53	-0.028	11	0.22	33.784	17	36.4	51.15	17	36.4	G0	21	4117	A -0 3511
38		8.0A	20 35.358	-0.0072	09	-0 35 22.98	-0.197	11	0.22	35.455	17	36.4	20.30	17	36.4	G0	21	4118	A -0 3106
39		8.7A	20 36.018	-0.0010	11	-4 39 24.57	-0.010	13	0.25	36.035	16	33.6	24.40	16	33.6	A2	17	5651	A -4 4103
40		8.4A	20 37.751	0.0003	09	-0 26 57.75	-0.042	11	0.22	37.746	17	36.4	57.16	17	36.4	K0	21	4119	A -0 3107
41		8.1A	20 40.186	-0.0031	11	-8 52 0.13	-0.043	11	0.23	40.238	16	33.6	59.42	16	33.6	G5	16	5684	A -8 4222
42		8.7A	20 53.416	-0.0092	12	-6 59 16.29	-0.112	12	0.25	53.567	16	33.6	14.45	16	33.6	G5	16	5685	A -6 4420
43		9.0A	20 57.260	-0.0008	09	-1 54 35.56	-0.013	11	0.22	57.270	17	36.4	35.39	17	36.4	K0	21	4120	A -1 3177
44		8.5A	21 7.398	0.0006	09	-2 9 0.16	0.018	11	0.22	7.390	17	36.4	0.41	17	36.4	K0	21	4122	A -1 3178
45		8.7A	21 12.417	0.0004	11	-7 47 31.95	0.005	11	0.23	12.411	16	33.6	32.03	16	33.6	MA	16	5687	A -7 4276
46		8.8A	21 13.167	-0.0031	11	-2 51 33.11	-0.042	11	0.23	13.218	16	33.6	32.42	16	33.6	G5	17	5653	A -2 4176
47		8.1A	21 13.477	-0.0050	12	-9 14 25.95	-0.074	12	0.25	13.560	16	33.6	24.73	16	33.6	G5	16	5686	A -9 4377
48		8.6A	21 24.505	0.0010	11	-6 59 20.43	-0.003	11	0.23	24.489	16	33.6	20.38	16	33.6	K2	16	5688	A -6 4227
49		9.1A	21 29.226	-0.0005	09	-2 12 34.40	-0.002	11	0.22	29.233	17	36.4	34.37	17	36.4	F2	21	4123	A -1 3180
50		8.7A	21 33.987	-0.0000	11	-6 18 9.80	-0.027	11	0.23	33.987	16	33.6	9.36	16	33.6	K5	17	5655	A -6 4424
51		8.8A	16 21 50.522	0.0006	09	-0 4 57.26	-0.021	11	0.22	50.514	17	36.4	56.98	17	36.4	K5	21	4125	A -0 3517
52		9.2A	21 51.579	-0.0003	09	-2 21 19.92	0.022	11	0.22	51.584	16	33.6	20.28	16	33.6	F2	17	5656	A -2 4177
53		8.7A	21 52.728	0.0011	12	-9 42 44.64	0.006	12	0.25	52.711	16	33.6	44.74	16	33.6	F0	16	5690	A -9 4379
54		7.0T	22 3.164	-0.0027	06	-2 22 25.84	-0.009	06	0.27	3.278	07	07.5	25.55	07	08.3	F2	GC	22064	-2 4179
55		8.7A	22 10.128	-0.0022	11	-7 30 39.67	-0.064	11	0.23	10.165	16	33.6	38.62	16	33.6	G0	16	5691	A -7 4281
56		8.7A	22 11.338	-0.0077	09	-3 20 20.90	-0.114	09	0.22	11.466	16	33.4	19.01	16	33.4	K0 R	17	5658	A -3 3937
57		8.0A	22 15.740	-0.0009	11	-2 21 26.36	-0.046	11	0.23	15.754	16	33.6	25.60	16	33.6	M8	17	5659	A -2 4180
58		9.2A	22 16.587	0.0022	09	-2 14 41.08	0.001	11	0.22	16.557	17	36.4	41.10	17	36.4	K2	21	4128	A -2 4181
59		9.2A	22 26.033	0.0007	09	-2 26 28.37	-0.000	09	0.22	26.022	16	33.6	28.37	16	33.6	K2	17	5660	A -2 4182
60		8.7A	22 30.212	-0.0002	11	-7 51 28.56	0.017	11	0.23	30.215	16	33.6	28.84	16	33.6	K2	16	5693	A -7 4282
61		9.2A	22 44.524	0.0011	12	-7 4 19.70	0.003	12	0.25	44.507	16	33.7	19.75	16	33.7	F0p R	16	5694	A -6 4427
62		9.0A	22 51.825	0.0012	15	-4 48 19.84	0.014	15	0.29	51.805	16	33.6	20.06	16	33.6	K0 R	17	5661	A -4 4107
63		8.2B	22 53.599	-0.0018	10	-9 58 15.64	0.009	09	0.52	53.682	15	99.0	16.12	15	97.4	A0	GC	22086	-9 4385
64		7.7A	22 55.350	-0.0027	13	-3 45 12.81	0.013	13	0.27	55.394	16	33.6	13.02	16	33.6	F0	17	5662	A -3 3939
65		7.8A	22 58.589	-0.0011	15	-5 47 5.09	-0.009	15	0.29	58.606	16	33.6	4.94	16	33.6	K2	17	5663	A -5 4292
66		8.4A	23 10.418	-0.0002	09	-5 58 56.45	-0.004	09	0.22	10.421	16	33.6	56.39	16	33.6	K2	17	5664	A -5 4293
67		9.0A	23 10.434	0.0003	11	-5 29 30.76	0.025	11	0.23	10.429	16	33.6	31.18	16	33.6	K2 R	17	5665	A -5 4294
68		9.0A	23 22.696	-0.0006	09	-7 14 15.62	0.008	09	0.22	22.706	16	33.6	15.75	16	33.6	K5	16	5696	A -7 4283
69		8.9A	23 24.594	-0.0003	12	-6 50 0.45	0.019	12	0.25	24.599	16	33.6	0.76	16	33.6	A5	16	5697	A -6 4430
70		8.9A	23 27.488	-0.0005	09	-3 24 19.41	0.012	09	0.22	27.495	16	33.6	19.61	16	33.6	A2	17	5666	A -3 3940
71		8.4A	23 29.799	0.0005	11	-8 5 22.79	-0.007	11	0.23	29.791	16	33.6	22.68	16	33.6	K5	16	5699	A -7 4284
72		9.1A	23 30.122	0.0017	12	-9 7 34.64	-0.024	12	0.25	30.095	16	33.6	34.24	16	33.6	A5	16	5698	A -8 4232
73		8.6A	23 34.827	0.0044	12	-9 36 39.31	-0.080	12	0.25	34.755	16	33.6	38.00	16	33.6	G0	16	5700	A -9 4387
74		8.9A	23 37.508	-0.0008	09	-4 33 49.95	0.021	09	0.22	37.521	16	33.6	50.29	16	33.6	K2	17	5667	A -4 4110
75		8.4A	23 53.110	-0.0001	12	-7 44 22.08	0.011	12	0.25	53.110	16	33.6	22.26	16	33.6	F5	16	5702	A -7 4286
76		8.8A	23 54.442	0.0003	12	-9 37 7.44	-0.026	12	0.25	54.437	16	33.6	7.01	16	33.6	F0	16	5701	A -9 4389
77		8.1A	23 57.246	0.0007	12	-8 36 57.98	0.008	12	0.25	57.235	16	33.6	58.09	16	33.6	F0	16	5703	A -8 4234
78		9.0A	24 1.789	-0.0006	09	-1 41 52.83	0.012	11	0.22	1.777	17	36.4	52.99	17	36.4	K5	21	4131	A -1 3186
79		9.1A	24 12.285	-0.0004	09	-8 47 17.17	-0.007	11	0.22	12.292	16	33.6	17.06	16	33.6	F0	16	5704	A -8 4235
80		8.1A	24 22.400	-0.0011	09	-2 52 50.01	-0.026	09	0.22	22.417	16	33.6	49.58	16	33.6	MA	17	5668	A -2 4189
81		8.5A	24 23.899	-0.0054	09	-2 47 12.92	-0.011	09	0.22	23.988	16	33.6	12.74	16	33.6	F5	17	5669	A -2 4190
82		9.0A	24 35.789	0.0008	11	-4 56 11.56	0.016	11	0.23	35.775	16	33.6	11.82	16	33.6	K2 R	17	5670	A -4 4113
83		8.5A	24 46.249	-0.0057	11	-8 27 40.50	0.013	11	0.23	46.342	16	33.6	40.71	16	33.6	G5	16	5706	A -8 4241
84		8.8A	24 46.528	-0.0010	09	-3 25 49.23	-0.028	09	0.22	46.544	16	33.6	48.77	16	33.6	K5	17	5671	A -3 3943
85		9.3A	24 58.405	0.0001	12	-8 9 8.52	-0.010	12	0.25	58.404	16	33.7	8.36	16	33.7	F2 R	16	5707	A -7 4290
86		5.5T	25 1.597	0.0007	06	-7 29 6.90	-0.158	05	0.26	1.567	10	05.6	59.64	09	04.0	M0	GC	22133	B* -7 4292
87		4.7T	25 5.723	-0.0052	04	-8 15 40.86	0.007	03	0.19	5.968	09	03.0	41.25	09	96.1	A2	GC	22134	B* -8 4243
88		9.0A	25 7.367	-0.0018	09	-0 40 36.86	-0.021	11	0.22	7.412	17	36.4	36.58	17	36.4	A2	21	4136	A -0 3118
89		9.0A	25 31.259	0.0008	09	-1 28 26.22	-0.019	11	0.22	31.247	17	36.4	25.96	17	36.4	K0 R	21	4138	A -1 3195
90		9.2A	25 40.061	0.0004	09	-5 45 34.36	0.000	09	0.22	40.055	16	33.6	34.36	16	33.6	K0 R	17	5672	A -5 4300
91		9.0A	25 50.085	-0.0009	11	-8 34 12.03	-0.005	11	0.23	50.100	16	33.6	11.95	16	33.6	G0	16	5710	A -8 4246
92		9.0A	25 50.978	-0.0010	09	-0 37 52.79	-0.002	11	0.22	50.991	17	36.4	52.76	17	36.4	A2 R	21	4139	A -0 3120
93		9.0A	25 56.625	-0.0014	09	-0 41 35.32	-0.011	11	0.22	56.643	17	36.4	35.17	17	36.4	A0	21	4141	A -0 3122
94		8.3A	25 57.999	-0.0012	09	-2 12 1.55	0.011	11	0.22	58.016	17	36.4	1.70	17	36.4	K5	21	4140	A -1 3197
95		6.4T	26 6.599	-0.0041	07	-8 1 6.68	-0.076	04	0.34	6.821	12	96.2	2.22	12	91.2	F0	GC	22152K	B* -7 4299
96		8.2A	26 8.978	-0.0001	09	-5 20 10.06	0.010	09	0.22	8.980	16	33.6	10.22	16	33.6	K5	17	5674	A -5 4304
97		9.0A	26 26.389	-0.0010	09	-1 42 1.66	-0.022	11	0.22	26.402	17	36.4	1.36	17	36.4	A5	21	4144	A -1 3198
98		8.3A	26 30.024	0.0007	13	-5 20 31.81	0.002	13	0.27	30.011	16	33.6	31.84	16	33.6	B9	17	5675	A -5 4307
99		9.2A	26 57.403	-0.0020	09	-5 11 17.49	0.027	09	0.22	57.435	16	33.6	17.93	16	33.6	M0 R	17	5676	A -4 4118
00		9.5A	27 1.896	0.0009	11	-8 21 21.28	-0.003	11	0.23	1.888	16	33.7	21.23	16	33.7	F2 R	16	5713	A -8 4249

141200

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	EPOCH 1950 μ s	EPOCH 1950 σ_μ .001"	EPOCH 1950 δ_{1950} ° ′ ″	EPOCH 1950 μ' ″	EPOCH 1950 $\sigma_{\mu'}$ .001"	EPOCH 1950 σ_{1950} ″	ORIGINAL EPOCH α_2 s	ORIGINAL EPOCH σ .01"	ORIGINAL EPOCH ep.	ORIGINAL EPOCH δ_2 ″	ORIGINAL EPOCH σ' .01"	ORIGINAL EPOCH ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	DM NUMBER
1		8.5A	16 27 16.307	-0.0011	09	-2 36 16.83	-0.006	09	0.22	16.324	16	33.6	16.73	16	33.6	F0	17	5677	A -2 4199
2		9.5A	27 19.704	0.0000	09	-1 43 13.16	-0.023	11	0.22	19.703	17	36.4	12.85	17	36.4	A0 R	21	4147	A -1 3201
3		8.0A	27 26.090	-0.0021	09	-0 1 6.05	-0.057	11	0.22	26.119	17	36.4	5.27	17	36.4	MB	21	4148	A 0 3533
4		8.4A	27 27.528	0.0005	09	-0 41 33.72	-0.028	11	0.22	27.521	17	36.4	33.34	17	36.4	F8	21	4149	A -0 3127
5		8.3A	27 47.133	-0.0019	11	-5 59 8.02	0.024	11	0.23	47.164	16	33.6	8.42	16	33.6	F0	17	5678	A -5 4309
6		6.4T	27 48.069	-0.0012	13	-7 24 26.07	-0.014	12	0.74	48.138	17	93.5	25.28	17	92.9	A5	GC	22187	-7 4305
7		8.8A	27 55.735	-0.0001	12	-8 21 53.96	-0.041	12	0.25	55.737	16	33.6	53.29	16	33.6	A3	16	5716	A -8 4250
8		8.8A	28 4.160	0.0023	09	-4 33 36.62	-0.068	09	0.22	4.122	16	33.6	35.50	16	33.6	G0	17	5679	A -4 4121
9		8.6A	28 5.480	-0.0007	12	-8 23 16.24	-0.078	12	0.25	5.492	16	33.6	14.96	16	33.6	G5	16	5718	A -8 4252
10		9.0A	28 5.517	-0.0105	12	-3 52 55.09	-0.021	12	0.25	5.689	16	33.6	54.75	16	33.6	K8 F	17	5680	A -3 3952
11		8.5A	28 5.721	-0.0015	11	-8 59 35.52	-0.006	11	0.23	5.746	16	33.6	35.42	16	33.6	K0	16	5717	A -8 4251
12		8.8A	28 6.038	-0.0007	09	-0 2 44.15	-0.019	11	0.22	6.048	17	36.4	43.90	17	36.4	K2	21	4150	A 0 3536
13		8.8A	28 6.074	-0.0022	13	-3 58 30.62	-0.063	13	0.27	6.110	16	33.6	29.59	16	33.6	F8	17	5681	A -3 3951
14		8.0A	28 6.656	-0.0011	11	-3 34 19.73	-0.029	11	0.23	6.673	16	33.6	19.25	16	33.6	F8	17	5682	A -3 3953
15		8.9A	28 12.786	0.0014	09	-2 11 51.80	-0.008	11	0.22	12.766	17	36.4	51.69	17	36.4	G5	21	4151	A -1 3202
16		9.1A	28 15.348	0.0025	09	-2 24 29.44	0.018	09	0.22	15.306	16	33.6	29.74	16	33.6	G5	17	5684	A -2 4201
17		8.7A	28 18.213	-0.0002	12	-8 3 54.55	-0.018	12	0.25	18.216	16	33.6	54.25	16	33.6	K5	16	5720	A -7 4307
18		8.0A	28 23.652	-0.0005	12	-7 26 2.16	-0.027	12	0.25	23.660	16	33.6	1.72	16	33.6	A0	16	5721	A -7 4308
19		7.6G	28 35.985	0.0001	09	-7 48 49.63	-0.033	08	0.45	35.981	14	99.5	47.93	14	98.3	F2	GC	22208	-7 4310
20		8.5A	29 1.044	-0.0012	12	-9 47 7.61	0.005	12	0.25	1.065	16	33.6	7.69	16	33.6	K0	16	5723	A -9 4405
21		9.1A	29 1.194	-0.0019	09	-1 27 42.20	-0.030	11	0.22	1.220	17	36.4	41.79	17	36.4	K5 R	21	4152	A -1 3205
22		9.0A	29 3.878	-0.0029	09	-2 55 7.98	-0.009	09	0.22	3.925	16	33.6	7.83	16	33.6	G5 R	17	5685	A -2 4202
23		8.1G	29 6.632	-0.0010	08	-6 55 1.65	-0.027	09	0.48	6.687	15	95.9	0.18	15	95.3	A0	GC	22219K	B* -6 4446
24		8.7A	29 8.817	-0.0002	09	-2 9 14.10	-0.025	11	0.22	8.819	17	36.4	13.76	17	36.4	F5	21	4153K	A -1 3206
25		8.6A	29 10.038	-0.0007	09	-1 55 10.69	-0.027	11	0.22	10.048	17	36.4	10.32	17	36.4	A5	21	4154	A -1 3207
26		7.2T	29 16.637	-0.0016	26	-9 35 25.42	0.030	26	1.24	16.714	24	02.5	26.87	22	01.7	F5	GC	22227	-9 4406
27		9.0A	29 23.043	-0.0007	12	-9 55 40.66	0.007	12	0.25	23.055	16	33.7	40.78	16	33.7	K5 R	16	5726	A -9 4408
28		8.7A	29 36.047	0.0020	11	-4 23 30.74	-0.048	11	0.23	36.013	16	33.6	29.95	16	33.6	F8	17	5687	A -4 4124
29		8.8A	29 40.634	-0.0061	09	-1 33 29.57	-0.052	11	0.22	40.717	17	36.4	28.86	17	36.4	G0	21	4156	A -1 3208
30		9.1A	29 45.450	-0.0004	11	-7 4 44.94	-0.008	11	0.23	45.457	16	33.6	44.81	16	33.6	A0	16	5727	A -6 4450
31		8.8A	29 49.671	-0.0007	11	-2 35 2.97	-0.015	13	0.25	49.682	16	33.6	2.72	16	33.6	K0 F	17	5688	A -2 4203
32		9.2G	30 30.792	-0.0026	20	-0 53 41.68	-0.059	22	0.89	30.898	17	08.5	39.21	17	08.1	G0	GC	22257	-0 3131
33		8.4A	30 31.838	-0.0011	09	-6 50 41.28	-0.004	09	0.22	31.856	16	33.6	41.35	16	33.6	F2	16	5728	A -6 4456
34		8.6A	30 33.967	-0.0015	12	-8 40 33.95	-0.079	12	0.25	33.991	16	33.6	32.65	16	33.6	K2	16	5729	A -8 4257
35		9.1A	30 37.884	-0.0015	12	-8 32 42.41	0.015	12	0.25	37.908	16	33.6	42.66	16	33.6	A5	16	5730	A -8 4259
36		9.0A	30 38.340	-0.0010	09	-1 30 54.93	-0.033	11	0.22	38.354	17	36.4	54.48	17	36.4	G5	21	4163	A -1 3210
37		7.2T	30 45.318	-0.0033	08	-4 9 25.02	-0.044	07	0.45	45.502	14	93.6	22.48	12	92.5	F5	GC	22262	-3 3961
38		8.8A	30 50.898	-0.0008	09	-3 25 50.25	-0.030	09	0.22	50.911	16	33.6	50.74	16	33.6	A5	17	5690	A -3 3962
39		9.0A	30 55.218	-0.0003	13	-5 30 23.98	-0.025	13	0.27	55.222	16	33.6	23.57	16	33.6	K0	17	5691	A -5 4316
40		8.9A	31 3.201	-0.0006	09	-1 10 6.64	-0.052	11	0.22	3.209	17	36.4	5.94	17	36.4	K0	21	4165	A -0 3133
41		9.0A	31 8.352	0.0008	09	-1 50 5.96	-0.061	11	0.22	8.341	17	36.4	5.14	17	36.4	F5	21	4166	A -1 3211
42		9.4A	31 12.395	-0.0018	09	-0 49 9.75	-0.022	11	0.22	12.419	17	36.4	9.45	17	36.4	F0 R	21	4168	A -0 3135
43		9.1A	31 12.613	-0.0004	09	-1 4 55.72	-0.006	11	0.22	12.619	17	36.4	55.64	17	36.4	F8	21	4167	A -0 3134
44		7.8A	31 15.906	0.0000	09	-4 57 6.65	0.003	09	0.22	15.905	16	33.6	6.70	16	33.6	K0	17	5692	A -4 4128
45		9.1A	31 16.260	0.0004	09	-7 12 56.15	0.009	09	0.22	16.253	16	33.6	56.30	16	33.6	K0	16	5731	A -7 4322
46		8.0A	31 20.283	-0.0003	13	-3 41 11.97	-0.013	13	0.27	20.288	16	33.6	11.76	16	33.6	K0	17	5693	A -3 3964
47		9.0A	31 30.287	0.0031	09	-1 7 21.96	-0.018	11	0.22	30.245	17	36.4	21.72	17	36.4	F8	21	4169	A -0 3137
48		9.2A	31 39.638	0.0001	13	-5 56 51.77	-0.023	13	0.27	39.637	16	33.6	51.39	16	33.6	K0	17	5694	A -5 4317
49		8.2A	31 40.248	-0.0007	11	-6 43 33.42	0.001	11	0.23	40.259	16	33.6	33.44	16	33.6	A2	16	5733	A -6 4459
50		8.7A	31 45.253	-0.0017	09	-3 54 40.92	-0.010	09	0.22	45.281	16	33.6	40.76	16	33.6	B5	17	5695	A -3 3967
51		7.8A	16 31 47.917	0.0005	13	-6 1 58.63	0.002	13	0.27	47.908	16	33.6	58.66	16	33.6	B0	17	5696	A -5 4318
52		7.8T	31 51.101	-0.0009	08	-8 2 46.18	-0.013	07	0.43	51.147	14	96.5	45.46	14	94.5	K2	GC	22283	-7 4324
53		9.2A	31 57.340	0.0008	09	-4 56 3.53	-0.025	09	0.22	57.326	16	33.6	3.12	16	33.6	K5 F	17	5697	A -4 4129
54		9.1A	32 29.850	0.0005	13	-4 18 52.76	0.010	13	0.27	29.842	16	33.6	52.92	16	33.6	A3 F	17	5698	A -4 4131
55		9.3A	32 35.925	-0.0024	09	-1 1 14.76	-0.044	11	0.22	35.958	17	36.4	14.16	17	36.4	K0 R	21	4171	A -0 3140
56		7.9A	32 35.948	-0.0017	12	-9 34 10.59	-0.018	12	0.25	35.975	16	33.6	10.29	16	33.6	F8	16	5735	A -9 4413
57		9.0A	32 36.445	-0.0078	09	-2 7 59.19	-0.067	11	0.22	36.551	17	36.4	58.28	17	36.4	G5	21	4170	A -1 3214
58		8.4A	32 39.034	-0.0019	12	-7 50 2.30	-0.014	12	0.25	39.066	16	33.6	2.07	16	33.6	A0	16	5736	A -7 4326
59		8.9A	32 40.863	-0.0001	13	-6 7 40.02	0.018	13	0.27	40.866	16	33.6	40.32	16	33.6	K5	17	5699	A -5 4320
60		9.0A	32 42.338	-0.0012	12	-7 50 10.42	0.003	12	0.25	42.358	16	33.6	10.47	16	33.6	A0	16	5737	A -7 4327
61		8.2A	33 2.385	-0.0000	13	-6 10 48.48	-0.003	13	0.27	2.385	16	33.6	48.43	16	33.6	A3	17	5701	A -5 4321
62		9.4A	33 5.244	-0.0056	13	-5 9 6.06	0.024	13	0.27	5.335	16	33.6	6.46	16	33.6	G5 F	17	5702	A -4 4132
63		9.2A	33 9.814	-0.0004	09	-2 9 58.13	0.002	11	0.22	9.819	17	36.4	58.16	17	36.4	K0 R	21	4173	A -1 3216
64		8.6A	33 15.748	-0.0028	11	-7 5 16.94	0.015	11	0.23	15.794	16	33.6	17.19	16	33.6	K5	16	5741	A -6 4464
65		8.2A	33 16.127	0.0014	12	-8 38 48.39	-0.007	12	0.25	16.104	16	33.6	48.27	16	33.6	K2	16	5740	A -8 4265
66		9.0A	33 23.198	-0.0008	12	-8 47 54.57	-0.007	12	0.25	23.210	16	33.6	54.45	16	33.6	K0	16	5742	A -8 4266
67		8.9A	33 23.371	-0.0027	09	-0 18 39.77	0.036	11	0.22	23.408	17	36.4	40.26	17	36.4	G0	21	4174	A -0 3143
68		8.2A	33 28.431	-0.0038	12	-9 38 38.41	-0.026	12	0.25	28.494	16	33.6	37.98	16	33.6	K2	16	5743	A -9 4417
69		5.9H	33 43.676	0.0303	02	-2 13 10.02	-0.315	01	0.06	42.709	03	16.0	-59.17	03	15.5	K0	F4	1433	-2 4211
70		6.8T	33 48.176	-0.0023	09	-8 45 12.79	-0.024	08	0.53	48.306	18	92.7	11.34	17	89.9	F2	GC	22322	-8 4270
71		8.0G	34 7.992	-0.0023	09	-6 11 38.08	-0.003	07	0.44	8.109	14	98.6	37.93	14	96.8	G5	GC	22326	-5 4323
72		9.0A	34 8.440	0.0002	13	-5 3 36.31	0.005	13	0.27	8.436	16	33.6	36.40	16	33.6	G0 F	17	5705K	A -4 4133
73		9.0A	34 9.562	0.0008	12	-7 39 41.51	0.013	12	0.25	9.548	16	33.6	41.72	16	33.6	G5	16	5745	A -7 4331
74		8.4A	34 12.593	0.0004	12	-8 47 10.40	-0.019	12	0.25	12.587	16	33.6	10.09	16	33.6	K2	16	5747	A -8 4274
75		8.5A	34 13.071	-0.0008	13	-5 28 57.19	0.010	13	0.27	13.084	16	33.6	57.36	16	33.6	K2	17	5706	A -5 4324
76		9.0A	34 16.942	-0.0017	13	-3 32 26.71	-0.006	13	0.27	16.970	16	33.6	26.61	16	33.6	K0 F	17	5707	A -3 3971
77		8.5A	34 23.607	-0.0022	12	-2 33 44.13	-0.026	12	0.25	23.644	16	33.6	43.70	16	33.6	A0	17	5708	A -2 4213
78		9.0A	34 25.038	-0.0017	11	-2 32 58.75	-0.001	11	0.23	25.065	16	33.6	58.73	16	33.6	A0	17	5709	A -2 4214
79		9.0A	34 37.899	-0.0008	13	-2 26 8.38	0.002	13	0.27	37.912	16	33.6	8.41	16	33.6	K2 F	17	5710	A -2 4216
80		9.1A	34 43.890	0.0012	13	-2 56 39.10	-0.001	13	0.27	43.870	16	33.6	39.09	16	33.6	K2 F	17	5711	A -2 4217
81		8.8A	34 47.193	-0.0046	09	-0 18 46.98	-0.093	11	0.22	47.255	17	36.4	45.72	17	36.4	K2	21	4178	A -0 3148
82		9.0A	35 6.317	-0.0016	12	-8 37 52.16	-0.020	12	0.25	6.343	16	33.6	51.83	16	33.6	K2	16	5748	A -8 4278
83		8.8A	35 18.505	-0.0017	13	-3 36 34.01	-0.005	13	0.27	18.532	16	33.6	33.93	16	33.6	K0 F	17	5712	A -3 3973
84		6.0T	35 20.708	-0.0003	04	-6 26 19.76	-0.007	04	0.18	20.719	06	10.5	19.47	06	08.1	A0	GC	22360	-6 4467
85		9.0A	35 33.254	-0.0003	12	-9 4 36.83	0.007	12	0.25	33.259	16	33.6	36.94	16	33.6	K5	16	5751	A -8 4279
86		9.0A	35 39.881	-0.0010	13	-5 52 55.66	-0.014	13	0.27	39.897	16	33.6	55.43	16	33.6	A3	17	5713K	A -5 4328
87		8.2G	35 41.650	-0.0116	08	-2 20 22.46	-0.287	09	0.45	42.254	14	97.7	7.74	14	98.7	G0	GC	22367	-2 4219
88		7.8A	35 43.904	-0.0005	12	-7 3 13.83	0.017	12	0.25	43.911	16	33.6	14.11	16	33.6	K2	16	5752	A -6 4469
89		8.4A	35 48.172	0.0014	11	-4 29 35.93	-0.005	11	0.23	48.148	16	33.6	35.85	16	33.6	K2	17	5715	A -4 4139
90		6.7T	35 58.392	-0.0031	10	-1 7 59.61	-0.031	10	0.53	58.548	12	98.9	58.03	12	98.9	K0	GC	22372	-0 3153
91		6.7T	36 4.566	0.0008	08	-8 31 13.09	-0.006	09	0.48	4.523	17	98.7	12.77	17	97.1	K5	GC	22375	-8 4282
92		8.2A	36 5.737	-0.0017	09	-1 5 8.19	-0.027	11	0.22	5.760	17	36.4	7.82	17	36.4	G5	21	4182	A -0 3154
93		8.5A	36 16.732	-0.0002	09	-0 44 13.15	0.021	11	0.22	16.734	17	36.4	13.44	17	36.4	G5	21	4183	A -0 3155
94		8.9A	36 18.728	-0.0004	12	-8 41 37.48	-0.025	12	0.25	18.735	16	33.6	37.07	16	33.6	K5	16	5756	A -8 4283
95		7.8A	36 39.865	0.0008	09	-1 39 39.12	0.020	11	0.22	39.853	17	36.4	39.39	17	36.4	K0	21	4184	A -1 3225
96		7.9T	36 47.112	-0.0038	09	-3 0 31.89	0.039	09	0.49	47.313	14	97.8	33.93	15	97.5	K0	GC	22389K	B* -2 4226
97		8.0G	36 53.268	-0.0021	09	-7 24 53.90	0.000	07	0.43	53.372	14	99.9	53.90	14	99.1	F0	GC	22393	-7 4337
98		6.4T	36 54.793	0.0002	11	-9 27 19.40	-0.148	10	0.49	54.782	15	05.3	12.57	15	03.9	F5	GC	22394	-9 4430
99		8.0A	37 4.769	-0.0011	13	-3 31 21.24	0.008	13	0.27	4.787	16	33.6	21.37	16	33.6	B9	17	5717	A -3 3974
00		8.5A	37 14.003	-0.0032	13	-2 45 37.14	-0.044	13	0.27	14.055	16	33.6	36.42	16	33.6	G5	17	5718	A -2 4227

SOURCE

- 00
16H

141300 — 0° 16H

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	EPOCH 1950 μ s	EPOCH 1950 σ_μ .001"	EPOCH 1950 δ_{1950} ° ′ ″	EPOCH 1950 μ' ″	EPOCH 1950 $\sigma_{\mu'}$ .001"	EPOCH 1950 σ_{1950} ″	ORIGINAL EPOCH α_2 s	ORIGINAL EPOCH σ .01	ORIGINAL EPOCH ep.	ORIGINAL EPOCH δ_2 ″	ORIGINAL EPOCH σ' .01"	ORIGINAL EPOCH ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	DM NUMBER
1		9.1A	16 37 14.702	0.0004	09	-6 39 48.82	-0.032	09	0.22	14.695	16	33.6	48.29	16	33.6	K0	16	5760	A -6 4475
2		6.8T	37 21.477	-0.0021	05	-5 58 59.32	-0.096	06	0.84	21.537	09	11.6	55.52	10	10.4	F8	GC	22409	-5 4334
3		9.0A	37 48.959	0.0002	12	-8 4 3.34	-0.016	12	0.25	48.956	16	33.6	3.07	16	33.6	A5	16	5762	A -7 4340
4		8.8A	37 51.734	0.0006	08	-1 44 41.20	-0.006	11	0.22	51.726	17	36.4	41.12	17	36.4	K2	21	4185	A -1 3228
5		9.1A	37 59.716	-0.0017	12	-7 18 27.66	-0.017	12	0.25	59.743	16	33.6	27.38	16	33.6	K5	16	5763	A -7 4342
6		9.2A	38 8.636	-0.0028	14	-0 3 27.81	-0.059	20	0.29	8.675	17	36.4	27.01	17	36.4		21	4186	A* 0 3560
7		6.8T	38 13.540	-0.0011	10	-8 12 48.94	0.019	09	0.48	13.582	15	01.8	49.05	15	02.0	K0	GC	22433	-8 4287
8		8.7A	38 16.867	-0.0000	11	-4 30 16.41	-0.040	11	0.23	16.867	16	33.6	15.74	16	33.6	K5	17	5720	A -4 4143
9		7.1T	38 31.488	-0.0017	08	-2 45 19.96	-0.436	07	0.47	31.570	10	91.5	53.83	10	90.5	G0	GC	22445	-2 4230
10		6.5T	38 36.633	0.0002	10	-0 54 17.82	-0.017	10	0.55	36.620	12	96.8	16.94	12	97.8	A5	GC	22448	-0 3168
11		8.0A	38 44.084	0.0014	13	-4 7 11.19	0.074	13	0.27	44.071	16	33.6	12.40	16	33.6	F0	17	5722	A -3 3978
12		9.0A	39 2.160	-0.0009	12	-6 37 13.93	0.000	12	0.25	2.175	16	33.6	13.93	16	33.6	A2	16	5765	A -6 4482
13		9.0A	39 3.119	-0.0031	15	-2 30 18.49	0.027	13	0.27	3.189	16	33.6	18.93	16	33.6	K2	F 17	5723	A -2 4231
14		9.0A	39 6.128	-0.0008	12	-7 48 48.67	-0.013	12	0.25	6.143	16	33.6	48.46	16	33.6	G0	16	5766	A -7 4346
15		8.4A	39 11.846	0.0008	09	-2 3 0.19	-0.002	11	0.22	11.834	17	36.4	0.17	17	36.4	A0	21	4189	A -1 3230
16		9.1A	39 12.237	0.0001	09	-2 4 51.69	-0.022	11	0.22	12.235	17	36.4	51.59	17	36.4	A	21	4190	A -1 3231
17		9.3A	39 12.685	-0.0017	12	-6 55 40.54	0.003	12	0.25	12.693	16	33.6	40.59	16	33.6	K0	16	5767	A -6 4484
18		8.8A	39 20.592	-0.0019	09	-0 36 7.22	-0.044	11	0.22	20.617	17	36.4	6.63	17	36.4	K5	R 21	4191	A -0 3170
19		8.4A	39 25.800	-0.0023	12	-6 50 28.14	-0.020	11	0.24	25.837	16	33.6	27.81	16	33.6	K5	16	5768	A -6 4485
20		8.6A	39 34.427	-0.0002	09	-2 3 57.11	-0.004	11	0.22	34.430	17	36.4	57.06	17	36.4	K0	21	4192	A -1 3233
21		8.9A	39 37.533	0.0008	12	-7 8 56.55	-0.004	12	0.23	37.519	16	33.6	56.48	16	33.6	K2	16	5769	A -6 4487
22		9.2A	39 47.934	-0.0011	11	-6 18 23.02	-0.008	11	0.23	47.953	16	33.6	22.89	16	33.6	A0	17	5727	A -6 4489
23		8.8A	39 52.988	-0.0013	09	-1 42 5.28	-0.086	11	0.22	53.005	17	36.4	4.93	17	36.4	K2	21	4193	A -1 3237
24		8.4A	39 57.709	-0.0014	09	-2 1 16.93	0.001	11	0.22	57.727	17	36.4	16.95	17	36.4	K2	21	4194	A -1 3238
25		9.3A	40 15.243	-0.0011	12	-6 59 8.17	-0.016	11	0.24	15.261	16	33.6	7.91	16	33.6	A2	16	5771	A -6 4490
26		8.2G	40 17.703	-0.0009	15	-8 51 28.19	-0.018	13	0.65	17.741	17	06.3	27.39	17	06.0	F8	GC	22477	-8 4294
27		9.3A	40 31.717	-0.0009	11	-8 39 50.85	0.030	11	0.23	31.732	16	33.6	51.34	16	33.6	G5	16	5773	A -8 4296
28		7.3A	40 34.166	0.0004	09	-4 3 25.46	-0.017	09	0.22	34.160	16	33.6	25.18	16	33.6	K5	17	5729	A -3 3982
29		7.8A	40 50.286	-0.0008	12	-8 1 32.17	-0.001	12	0.25	50.299	16	33.6	32.15	16	33.6	G5	16	5774	A -7 4347
30		7.9A	41 7.310	-0.0011	09	-0 41 29.91	-0.004	11	0.22	7.324	17	36.4	29.86	17	36.4	K0	21	4199	A -0 3172
31		8.5A	41 13.284	-0.0004	11	-2 37 46.06	-0.018	11	0.23	13.290	16	33.6	45.77	16	33.6	A2	17	5730	A -2 4234
32		9.0A	41 16.646	-0.0005	13	-5 33 36.08	-0.012	12	0.26	16.653	16	33.6	37.88	16	33.6	A5	F 17	5731	A -5 4343
33		8.0A	41 20.134	0.0012	13	-2 32 20.00	-0.016	13	0.27	20.114	16	33.6	19.74	16	33.6	F5	17	5732	A -2 4235
34		9.0A	41 21.172	0.0006	12	-6 24 44.91	0.008	12	0.25	21.162	16	33.7	45.04	16	33.7	B5	R 16	5775	A -6 4491
35		7.4T	41 43.394	-0.0007	08	-0 27 54.78	-0.028	05	0.42	43.431	15	93.9	53.05	14	87.7	A0	GC	22514K	-0 3174
36		8.3A	41 46.743	-0.0021	13	-5 35 43.64	-0.002	13	0.27	46.778	16	33.6	43.61	16	33.6	G5	17	5733	A -5 4344
37		8.5A	41 52.932	-0.0013	11	-3 2 21.37	-0.111	11	0.23	52.954	16	33.6	19.55	16	33.6	G5	17	5734	A -2 4239
38		8.7A	42 12.217	-0.0007	13	-5 12 52.74	0.008	13	0.27	12.227	16	33.6	52.87	16	33.6	A5	17	5736	A -5 4346
39		9.0A	42 13.110	-0.0014	13	-6 12 28.83	-0.046	13	0.27	13.133	16	33.6	28.07	16	33.6	F0	F 17	5735	A -6 4493
40		9.0A	42 14.589	-0.0032	09	-0 14 55.55	-0.054	11	0.22	14.633	17	36.4	54.62	17	36.4	G	21	4202	A -0 3175
41		8.1A	42 19.126	-0.0021	11	-7 0 28.69	-0.065	09	0.22	19.159	16	33.6	27.79	16	33.6	G5	16	5778	A -6 4494
42		9.5A	42 19.830	-0.0032	11	-9 27 9.85	-0.058	11	0.23	19.862	16	33.6	8.89	16	33.6	G5	16	5777	A -9 4444
43		8.3A	42 25.438	0.0008	09	-0 31 25.53	-0.007	11	0.22	25.435	17	36.4	25.44	17	36.4	K5	21	4203	A -0 3176
44		7.2T	42 34.273	-0.0014	12	-2 59 36.65	-0.013	14	0.72	34.350	15	96.7	37.97	17	98.4	M8	GC	22537	-2 4242
45		8.2A	42 39.066	0.0010	09	-0 54 15.58	-0.013	11	0.22	39.052	17	36.4	15.41	17	36.4	G5	21	4204	A -0 3177
46		8.4A	42 45.446	0.0025	13	-3 56 56.39	-0.084	13	0.27	45.404	16	33.6	56.00	16	33.6	K2	17	5738	A -3 3988
47		9.0A	42 55.768	0.0003	09	-1 29 16.51	-0.011	11	0.22	55.764	17	36.4	16.36	17	36.4	K0	21	4205	A -1 3242
48		9.0A	43 2.392	-0.0010	11	-5 51 40.42	-0.002	11	0.23	2.408	16	33.6	40.39	16	33.6	A2	F 17	5739	A -5 4347
49		8.7A	43 6.477	0.0011	12	-8 22 40.35	-0.010	12	0.26	6.458	16	33.6	40.19	16	33.6	F5	16	5779	A -8 4305
50		8.2A	43 11.659	0.0048	09	-0 40 26.60	-0.092	11	0.22	11.594	17	36.4	25.35	17	36.4	F8	21	4206K	A -0 3178
51		9.2A	16 43 14.120	-0.0012	09	-1 10 27.33	0.002	11	0.22	14.135	17	36.4	27.36	17	36.4	G0	21	4209	A -1 3243
52		9.1A	43 26.663	-0.0008	09	-3 17 22.30	0.005	09	0.22	26.676	16	33.6	22.38	16	33.6	K0	17	5740	A -3 3991
53		9.1A	43 38.965	0.0019	11	-8 56 39.42	-0.034	11	0.23	38.934	16	33.6	38.66	16	33.6	F8	16	5780	A -8 4307
54		9.0A	43 47.122	0.0000	09	-0 43 52.73	0.003	11	0.22	47.121	17	36.4	52.77	17	36.4	K0	21	4211	A -0 3179
55		8.5A	43 49.220	0.0027	09	-1 16 13.11	-0.088	11	0.22	49.183	17	36.4	11.92	17	36.4	F8	21	4212	A -1 3244
56		9.0A	43 57.505	0.0012	09	-0 41 30.28	-0.058	11	0.22	57.488	17	36.4	29.49	17	36.4	F2	21	4213	A -0 3181
57		7.8A	44 1.022	0.0005	13	-3 6 22.45	0.013	13	0.27	1.014	16	33.6	22.66	16	33.6	F0	17	5741K	A -2 4246
58		8.7A	44 27.450	-0.0005	13	-3 0 30.48	-0.010	13	0.27	27.459	16	33.6	30.32	16	33.6	A0	17	5742	A -2 4248
59		7.9A	44 28.958	-0.0017	11	-6 53 11.68	-0.058	11	0.23	28.987	16	33.6	10.73	16	33.6	K0	16	5782	A -6 4497
60		8.5A	44 43.411	-0.0019	11	-6 8 11.42	-0.011	11	0.23	43.442	16	33.6	11.24	16	33.6	A0	17	5743	A -5 4350
61		8.4A	44 45.630	0.0006	13	-6 15 3.48	-0.082	13	0.27	45.621	16	33.6	2.13	16	33.6	F8	17	5744	A -6 4499
62		8.9A	45 6.535	-0.0027	12	-9 5 17.61	-0.045	12	0.25	6.580	16	33.6	16.87	16	33.6	A3	16	5785	A -8 4315
63		9.2A	45 16.138	-0.0071	09	-0 57 56.18	0.009	11	0.22	16.234	17	36.4	56.30	17	36.4	F8	21	4215	A -0 3183
64		9.3A	45 21.214	-0.0008	12	-9 35 4.48	-0.023	12	0.25	21.227	16	33.6	4.10	16	33.6	A0	16	5786	A -9 4451
65		9.2A	45 27.095	-0.0038	09	-1 46 37.89	-0.050	11	0.22	27.147	17	36.4	37.21	17	36.4	G0	21	4216	A -1 3248
66		9.0A	45 40.686	-0.0011	13	-3 25 41.81	0.029	13	0.27	40.703	16	33.6	42.29	16	33.6	G0	17	5745	A -3 3996
67		9.3A	45 41.339	-0.0009	13	-3 53 36.02	-0.003	13	0.27	41.353	16	33.6	35.97	16	33.6	K0	R 17	5746	A -3 3997
68		9.0A	45 42.417	-0.0049	09	-1 2 37.54	0.000	11	0.22	42.483	17	36.4	37.54	17	36.4	G0	21	4217	A -0 3186
69		9.2A	45 53.308	0.0011	09	-0 52 36.10	0.026	11	0.22	53.293	17	36.4	36.46	17	36.4	G0	21	4218	A -0 3187
70		9.2A	46 3.032	0.0008	12	-6 23 23.05	-0.019	12	0.25	3.019	16	33.7	22.74	16	33.7	K5	R 16	5787	A -6 4503
71		9.1A	46 4.551	-0.0006	09	-1 46 58.07	-0.004	11	0.22	4.559	17	36.4	58.02	17	36.4	A3	21	4219	A -1 3251
72		9.0A	46 8.334	-0.0015	13	-4 8 22.83	-0.035	13	0.27	8.358	16	33.6	22.25	16	33.6	F8	17	5747	A -3 4001
73		8.3A	46 11.582	0.0014	13	-3 31 27.50	-0.015	13	0.27	11.559	16	33.6	27.26	16	33.6	F2	17	5748	A -3 4002
74		7.3T	46 12.644	-0.0001	07	-4 25 41.01	-0.097	06	0.27	12.646	07	08.6	37.02	07	09.0	G5	GC	22622	-4 4165
75		8.1A	46 12.770	0.0006	12	-9 50 7.68	0.006	12	0.25	12.760	16	33.6	7.78	16	33.6	F0	16	5788	A -9 4454
76		9.3A	46 15.180	0.0004	13	-3 28 28.60	-0.030	13	0.27	15.173	16	33.6	28.11	16	33.6	K8	F 17	5750	A -3 4003
77		8.2A	46 16.192	-0.0029	12	-8 50 35.42	-0.045	12	0.25	16.239	16	33.6	34.68	16	33.6	F5	16	5789	A -8 4320
78		9.4A	46 17.298	-0.0008	13	-4 13 23.85	-0.014	13	0.27	17.308	16	33.6	23.61	16	33.6	F2	F 17	5751	A -4 4167
79		9.0A	46 18.513	-0.0007	13	-5 9 46.64	-0.029	13	0.27	18.523	16	33.6	46.17	16	33.6	K0	F 17	5752	A -4 4166
80		8.5A	46 19.368	0.0014	13	-4 53 53.88	-0.015	13	0.27	19.344	16	33.6	53.63	16	33.6	K0	17	5753	A -4 4168
81		8.7A	46 27.729	0.0007	12	-5 3 24.11	-0.019	12	0.25	27.718	16	33.6	23.81	16	33.6	G8	F 17	5754	A -4 4169
82		8.6A	46 31.638	0.0027	11	-5 3 41.40	-0.025	11	0.23	31.593	16	33.6	40.99	16	33.6	G5	17	5755	A -4 4170
83		8.8A	46 34.674	-0.0008	12	-8 58 35.18	-0.001	12	0.25	34.687	16	33.6	35.16	16	33.6	F5	16	5790	A -8 4323
84		9.2A	46 35.631	-0.0009	13	-3 9 54.29	-0.006	13	0.27	35.645	16	33.6	54.19	16	33.6	K0	F 17	5756	A -2 4252
85		8.5A	46 51.284	-0.0012	13	+2 39 4.99	-0.024	13	0.27	51.305	16	33.6	4.60	16	33.6	A2	17	5757	A -2 4254
86		9.4A	46 59.773	-0.0018	13	-5 16 29.64	0.010	13	0.27	59.808	16	33.6	29.80	16	33.6	G8	F 17	5758	A -5 4358
87		8.9A	47 15.853	-0.0009	09	-0 28 29.25	-0.020	11	0.22	15.865	17	36.4	28.98	17	36.4	K2	21	4223	A -0 3190
88		9.3A	47 19.818	-0.0015	13	-3 10 10.90	-0.020	13	0.27	19.842	16	33.6	10.57	16	33.6	K3	F 17	5760	A -3 4004
89		8.9A	47 27.204	-0.0002	09	-1 56 59.22	-0.020	11	0.22	27.206	17	36.4	58.95	17	36.4	F5	21	4224	A -1 3254
90		9.0A	47 33.311	0.0010	09	-1 9 55.20	-0.004	11	0.22	33.298	17	36.4	55.15	17	36.4	K0	21	4225	A -0 3191
91		8.6A	47 41.052	0.0005	11	-7 22 20.80	-0.014	11	0.23	41.044	16	33.6	20.57	16	33.6	K5	16	5791	A -7 4361
92		8.6A	47 42.108	-0.0014	11	-3 41 47.60	-0.027	11	0.23	42.131	16	33.6	47.15	16	33.6	G5	17	5761	A -3 4007
93		6.3T	47 45.573	0.0004	10	-2 34 7.27	-0.032	09	0.50	45.549	14	97.5	5.67	15	00.2	F2	GC	22661	-2 4259
94		8.3A	47 49.120	0.0002	12	-8 38 39.03	0.007	12	0.25	49.117	16	33.6	39.14	16	33.6	K2	16	5792	A -8 4328
95		8.0A	47 52.108	0.0015	13	-3 32 32.75	-0.030	13	0.27	52.084	16	33.6	32.26	16	33.6	B9	17	5763	A -3 4008
96		9.1A	47 52.291	-0.0008	11	-6 48 22.74	-0.040	09	0.22	52.304	16	33.6	22.08	16	33.6	G0	16	5793	A -6 4506
97		9.1A	48 0.680	-0.0002	12	-8 38 53.92	-0.013	12	0.25	0.683	16	33.8	53.71	16	33.6	K0	16	5794	A -8 4329
98		8.5A	48 2.118	-0.0014	13	-3 15 36.62	0.010	13	0.27	2.141	16	33.6	38.79	16	33.6	A0	17	5764	A -3 4009
99		8.7A	48 14.234	-0.0007	12	-8 31 14.04	-0.017	12	0.25	14.245	16	33.6	13.76	16	33.6	G5	16	5795	A -8 4331
00		8.6A	48 22.024	-0.0002	09	-0 41 40.15	-0.004	11	0.22	22.027	17	36.4	40.10	17	36.4	K0	21	4226	A -0 3194

141400

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	EPOCH 1950 μ s	EPOCH 1950 σ_μ ″.001	EPOCH 1950 δ_{1950} ° ′ ″	EPOCH 1950 μ' ″	EPOCH 1950 $\sigma_{\mu'}$ ″.001	EPOCH 1950 σ_{1950} ″	ORIGINAL EPOCH α_2 s	ORIGINAL EPOCH σ ″.01	ORIGINAL EPOCH ep.	ORIGINAL EPOCH δ_2 ″	ORIGINAL EPOCH σ' ″.01	ORIGINAL EPOCH ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	- 0° 16H DM NUMBER
1		8.6A	16 48 27.705	-0.0008	09	-0 22 59.06	-0.017	11	0.22	27.715	17	36.4	58.83	17	36.4	A0	21	4227	A -0 3195
2		8.2A	48 30.441	0.0017	09	-3 10 12.82	-0.032	09	0.22	30.413	16	33.6	12.30	16	33.6	K0	17	5765	A -3 4011
3		9.0A	48 41.598	-0.0009	13	-5 3 30.00	-0.004	13	0.27	41.612	16	33.6	29.93	16	33.6	K0 F	17	5766	A -4 4179
4		8.8A	48 45.101	-0.0012	13	-6 5 31.13	-0.011	13	0.27	45.120	16	33.6	30.95	16	33.6	K2	17	5767	A -5 4360
5		9.0A	48 55.636	0.0017	09	-1 51 44.15	-0.015	11	0.22	55.613	17	36.4	43.95	17	36.4	K0	21	4229	A -1 3258
6		8.8A	49 5.484	-0.0012	13	-2 33 12.48	-0.021	13	0.27	5.484	16	33.6	12.14	16	33.6	A2	17	5768	A -2 4263
7		9.0A	49 11.900	-0.0004	13	-2 41 40.58	0.021	13	0.27	11.906	16	33.6	40.93	16	33.6	K2	17	5769	A -2 4264
8		7.9A	49 15.569	0.0021	12	-8 46 51.15	-0.011	12	0.25	15.534	16	33.6	50.97	16	33.6	K0	16	5797	A -8 4337
9		8.8A	49 28.955	0.0012	11	-7 12 40.44	-0.024	11	0.23	28.935	16	33.6	40.05	16	33.6	A5	16	5798	A -7 4364
10		7.0T	49 30.842	0.0020	11	-2 42 55.60	0.012	10	0.58	30.730	15	95.6	56.24	14	96.2	A0	GC	22703	-2 4265
11		9.0A	49 32.416	-0.0019	09	-1 17 13.51	0.005	11	0.22	32.441	17	36.4	13.58	17	36.4	K0	21	4231	A -1 3261
12		8.8A	49 32.493	-0.0017	13	-4 21 19.82	-0.036	13	0.27	32.521	16	33.6	19.22	16	33.6	G0	17	5771	A -4 4183
13		7.8A	49 34.947	0.0048	13	-5 42 20.36	-0.019	13	0.27	34.869	16	33.6	20.05	16	33.6	K0	17	5772	A -5 4364
14		9.0A	49 41.737	0.0001	13	-3 53 3.33	-0.031	13	0.27	41.736	16	33.6	2.81	16	33.6	K0	17	5773	A -3 4014
15		7.3A	49 50.857	-0.0019	13	-5 4 1.61	0.043	13	0.27	50.887	16	33.6	2.32	16	33.6	K0	17	5774	A -4 4185
16		9.1A	50 24.287	-0.0005	12	-8 18 35.55	-0.022	12	0.25	24.295	16	33.6	35.19	16	33.6	K0	16	5799	A -8 4342
17		8.7A	50 30.693	0.0011	12	-8 14 54.78	-0.002	12	0.25	30.675	16	33.6	54.74	16	33.6	K0	16	5800	A -8 4343
18		9.0A	50 40.150	0.0018	13	-4 41 40.35	-0.082	13	0.27	40.120	16	33.6	39.00	16	33.6	G0	17	5775	A -4 4187
19		8.1A	50 44.110	0.0007	11	-7 22 23.99	-0.091	11	0.23	44.090	16	33.6	22.50	16	33.6	F8	16	5801	A -7 4369
20		8.3A	50 54.013	-0.0006	11	-3 26 9.14	-0.013	11	0.23	54.023	16	33.6	8.93	16	33.6	F0	17	5776	A -3 4020
21		7.4A	50 54.274	-0.0032	09	-1 2 56.46	-0.021	11	0.22	54.318	17	36.4	56.17	17	36.4	F8	21	4233	A -0 3197
22		8.3A	51 3.747	-0.0010	11	-8 53 21.46	-0.024	11	0.23	3.763	16	33.6	21.06	16	33.6	K0	16	5802	A -8 4346
23		7.7T	51 6.637	0.0024	12	-4 14 20.60	-0.108	11	0.64	6.504	15	95.3	14.61	17	94.6	G5	GC	22754	-4 4191
24		8.8A	51 18.365	-0.0010	11	-7 16 24.07	-0.036	11	0.23	18.381	16	33.6	25.48	16	33.6	F8	16	5804	A -7 4370
25		8.6A	51 26.354	0.0010	12	-8 12 21.88	0.002	12	0.25	26.337	16	33.6	21.91	16	33.6	A2	16	5805	A -8 4347
26		7.3A	51 29.673	-0.0032	13	-4 15 28.75	-0.089	13	0.27	29.725	16	33.6	27.29	16	33.6	G0	17	5778	A -4 4194
27		6.2T	51 35.044	0.0008	09	-1 31 50.69	-0.073	09	0.49	35.001	14	98.9	46.96	14	98.9	F0	GC	22773	-1 3268
28		8.0A	51 36.659	-0.0015	12	-6 37 53.35	-0.017	12	0.25	36.684	16	33.6	53.07	16	33.6	K5	16	5806	A -6 4513
29		9.2A	51 44.936	-0.0021	09	-0 55 52.23	-0.016	11	0.22	44.964	17	36.4	52.01	17	36.4	G5	21	4235	A -0 3199
30		7.6T	51 48.542	-0.0004	08	-4 5 2.26	0.011	07	0.45	48.562	14	95.5	2.87	15	93.6	G5	GC	22777	-3 4023
31		5.4T	51 55.158	-0.0025	03	-6 4 25.31	-0.020	03	0.15	55.273	06	03.6	24.36	06	02.3	K0	GC	22783	B* -5 4374
32		9.0A	51 55.423	-0.0038	12	-4 40 32.32	-0.024	12	0.25	55.485	16	33.6	31.92	16	33.6	K2 F	17	5781	A -4 4195
33		8.8A	52 2.760	-0.0016	13	-5 37 49.59	0.009	13	0.27	2.786	16	33.6	49.74	16	33.6	K0	17	5782	A -5 4375
34		9.0A	52 15.972	-0.0047	13	-4 51 1.64	0.029	13	0.27	16.049	16	33.6	2.11	16	33.6	G5 F	17	5783	A -4 4199
35		9.2A	52 22.852	0.0002	12	-9 19 24.45	-0.003	12	0.25	22.850	16	33.6	24.40	16	33.6	A2	16	5808	A -9 4467
36		8.9A	52 23.661	-0.0023	13	-5 51 20.36	-0.004	13	0.27	23.698	16	33.6	20.30	16	33.6	A2	17	5784	A -5 4376
37		6.9T	52 26.597	0.0002	08	-6 34 17.11	-0.018	07	0.40	26.585	14	99.8	16.16	14	97.3	K0	GC	22792	-6 4516
38		8.0A	52 27.502	0.0013	12	-8 17 21.27	0.006	12	0.25	27.480	16	33.6	21.37	16	33.6	K2	16	5809	A -8 4348
39		9.1G	52 48.459	-0.0537	16	-8 14 42.22	-0.875	16	0.78	50.696	17	08.3	5.11	17	07.6	K5P	GC	22805	B* -8 4352
40		9.3A	52 56.723	-0.0083	12	-8 51 55.08	0.048	12	0.25	56.858	16	33.6	55.87	16	33.6	K0	16	5812	A -8 4354
41		8.9T	52 58.533	-0.0113	11	-5 5 15.32	0.026	09	0.57	59.118	18	98.1	16.77	17	94.9	G0	GC	22809K	B* -4 4202
42		8.1A	52 59.134	-0.0005	11	-2 22 28.14	0.028	11	0.23	59.142	16	33.6	28.60	16	33.6	K0	17	5786	A -2 4275
43		7.5T	53 8.405	0.0033	06	-6 2 38.91	-0.043	06	0.34	8.214	12	92.8	36.53	12	94.6	K0	GC	22814	B* -5 4378
44		9.1A	53 17.561	-0.0053	12	-7 8 29.69	-0.060	12	0.25	17.648	16	33.6	28.71	16	33.6	K0	16	5814	A -6 4522
45		8.7A	53 18.071	-0.0020	11	-4 46 34.26	-0.046	11	0.23	18.103	16	33.6	33.50	16	33.6	F5	17	5788	A -4 4203
46		8.9A	53 18.382	0.0006	09	-1 4 27.42	-0.007	11	0.22	18.374	17	36.4	27.33	17	36.4	G5	21	4237	A -0 3203
47		8.4A	53 30.791	0.0021	12	-8 59 54.57	-0.017	12	0.25	30.757	16	33.6	54.29	16	33.6	A5	16	5815	A -8 4356
48		9.2A	53 33.197	0.0004	11	-8 27 55.96	-0.055	11	0.23	33.191	16	33.7	55.06	16	33.7	F8 R	16	5816	A -8 4357
49		8.8A	53 44.801	-0.0011	13	-3 32 49.00	-0.019	13	0.27	44.818	16	33.6	48.69	16	33.6	K0	17	5789	A -3 4028
50		8.8A	54 11.785	-0.0021	11	-2 21 42.30	-0.012	11	0.23	11.819	16	33.6	42.10	16	33.6	A2	17	5790	A -2 4280
51		8.6A	16 54 17.730	-0.0016	09	-1 58 19.43	0.043	11	0.22	17.752	17	36.4	20.01	17	36.4	F8	21	4238	A -1 3271
52		9.0A	54 21.683	0.0005	09	-1 9 55.33	-0.015	11	0.22	21.676	17	36.4	55.13	17	36.4	F0	21	4239	A -1 3272
53		8.4A	54 31.515	0.0001	17	-2 56 42.12	-0.041	17	0.31	31.514	16	33.6	41.45	16	33.6	A2	17	5792	A -2 4281
54		8.9A	54 32.180	-0.0020	11	-5 36 19.19	0.002	11	0.23	32.213	16	33.6	19.22	16	33.6	K8 F	17	5791	A -5 4383
55		9.0A	54 32.917	0.0003	12	-8 18 27.63	-0.023	12	0.25	32.912	16	33.7	27.26	16	33.7	K2 R	16	5818	A -8 4360
56		9.0A	54 48.498	-0.0012	12	-8 58 2.76	-0.005	12	0.25	48.518	16	33.6	2.68	16	33.6	K5	16	5819	A -8 4362
57		7.3T	55 1.316	-0.0014	10	-2 56 24.00	-0.001	10	0.52	1.384	14	99.3	23.95	14	00.2	A2	GC	22856	-2 4283
58		9.2A	55 13.422	-0.0009	11	-8 44 58.17	-0.003	11	0.23	13.437	16	33.6	58.12	16	33.6	F5	16	5820	A -8 4365
59		9.0A	55 27.009	0.0006	09	-1 4 4.98	-0.007	11	0.22	27.000	17	36.4	4.88	17	36.4	A3	21	4240	A -0 3206
60		8.9A	55 36.581	-0.0007	11	-3 9 14.35	0.013	11	0.23	36.593	16	33.6	14.56	16	33.6	A3	17	5794	A -3 4035
61		7.8A	55 40.399	-0.0040	13	-4 16 2.57	-0.018	13	0.27	40.465	16	33.6	2.27	16	33.6	F8	17	5795	A -4 4206
62		8.5A	55 48.580	0.0007	12	-9 39 3.37	-0.007	12	0.25	48.569	16	33.6	3.26	16	33.6	F8	16	5821	A -9 4472
63		9.1A	55 50.585	0.0006	14	-2 8 39.14	0.021	20	0.29	50.577	17	36.4	39.43	17	36.4	K2 R	21	4241	A* -1 3275
64		8.8A	56 11.033	-0.0002	12	-8 32 43.19	0.015	12	0.25	11.035	16	33.6	43.43	16	33.6	A0	16	5822	A -8 4366
65		8.5A	56 16.075	-0.0023	13	-2 55 14.86	-0.010	13	0.27	16.113	16	33.6	14.70	16	33.6	A3	17	5796	A -2 4285
66		9.3A	56 24.188	-0.0018	09	-1 55 40.34	-0.030	11	0.22	24.213	17	36.4	39.93	17	36.4	F8	21	4242	A -1 3276
67		9.3A	56 30.446	-0.0007	09	-1 41 27.33	-0.026	11	0.22	30.455	17	36.4	26.98	17	36.4	F5	21	4243	A -1 3277
68		8.9A	56 31.698	-0.0018	11	-4 32 37.40	0.006	11	0.23	31.728	16	33.6	37.49	16	33.6	K0	17	5797	A -4 4209
69		9.0A	56 33.748	-0.0013	11	-5 50 22.18	-0.016	11	0.23	33.769	16	33.6	21.92	16	33.6	F0 F	17	5798	A -5 4389
70		7.5A	56 45.780	0.0023	09	-1 36 47.81	0.012	11	0.22	45.748	17	36.4	47.97	17	36.4	F2	21	4244	A -1 3278
71		8.0A	56 49.017	-0.0067	12	-7 52 53.68	0.002	11	0.24	49.127	16	33.6	53.71	16	33.6	G0	16	5824	A -7 4383
72		8.6A	56 50.289	-0.0028	11	-5 45 10.71	0.026	11	0.23	50.334	16	33.6	11.14	16	33.6	F5	17	5799	A -5 4390
73		7.7T	57 10.926	0.0009	09	-4 8 51.05	0.006	08	0.51	10.869	12	89.9	51.39	14	90.3	K2	GC	22909	-3 4040
74		7.6A	57 19.061	0.0069	12	-7 27 27.94	-0.029	12	0.25	18.948	16	33.6	27.46	16	33.6	G0	16	5825	A -7 4386
75		8.0A	57 19.092	0.0007	13	-4 16 29.71	-0.012	13	0.27	19.080	16	33.6	29.51	16	33.6	F8	17	5801	A -4 4212
76		9.0A	57 30.842	-0.0006	09	-2 7 47.33	-0.019	11	0.22	30.850	17	36.4	47.07	17	36.4	K2	21	4245	A -1 3279
77		9.0A	57 48.955	-0.0014	12	-7 17 49.65	-0.001	12	0.25	48.978	16	33.6	49.63	16	33.6	K2	16	5826	A -7 4387
78		8.8A	57 50.257	0.0003	13	-4 7 55.07	-0.023	13	0.27	50.252	16	33.6	54.69	16	33.6	F5	17	5803	A -3 4042
79		9.0A	57 52.373	-0.0008	09	-0 42 25.69	-0.023	11	0.22	52.384	17	36.4	25.38	17	36.4	F2	21	4248	A -0 3208
80		8.8A	57 58.150	-0.0004	09	-0 41 50.18	-0.006	11	0.22	58.155	17	36.4	50.10	17	36.4	A3	21	4250	A -0 3209
81		8.8A	57 59.492	0.0011	09	-1 48 58.32	0.000	11	0.22	59.477	17	36.4	58.32	17	36.4	K0	21	4249	A -1 3281
82		8.5A	58 5.821	-0.0000	12	-6 29 42.93	-0.045	12	0.25	5.821	16	33.6	42.19	16	33.6	F8	16	5827	A -6 4557
83		5.0H	58 25.223	-0.0031	01	-4 8 57.19	-0.076	01	0.05	25.319	08	19.0	54.62	03	16.2	K0	F4	1445	-4 4215
84		7.5A	58 31.819	-0.0016	12	-6 57 21.52	-0.002	12	0.25	31.845	16	33.6	21.49	16	33.6	K2	16	5829	A -6 4538
85		8.8A	58 39.860	-0.0014	13	-4 8 44.35	0.017	13	0.27	39.882	16	33.6	44.63	16	33.6	A5	17	5806	A -4 4217
86		8.6A	58 41.695	0.0005	12	-9 40 28.53	-0.019	12	0.25	41.687	16	33.6	28.22	16	33.6	A3	16	5830	A -9 4478
87		8.6A	58 47.704	-0.0013	09	-0 42 49.85	-0.011	11	0.22	47.721	17	36.4	49.70	17	36.4	K0	21	4254	A -0 3211
88		9.0A	58 47.716	-0.0003	09	-1 48 37.50	-0.014	11	0.22	47.720	17	36.4	37.31	17	36.4	K2	21	4253	A -1 3282
89		7.2T	58 53.492	-0.0001	10	-6 39 52.75	-0.005	08	0.50	53.495	15	98.1	52.48	15	96.1	B9	GC	22950	-6 4539
90		8.7A	59 0.190	-0.0000	12	-9 41 58.75	-0.018	12	0.25	0.191	16	33.6	58.46	16	33.6	K5	16	5832	A -9 4479
91		8.2A	59 2.871	-0.0002	13	-3 41 50.46	0.001	13	0.27	2.874	16	33.6	50.48	16	33.6	K0	17	5807	A -3 4048
92		9.2A	59 4.188	-0.0011	13	-3 58 35.20	0.009	13	0.27	4.206	16	33.6	35.35	16	33.6	G5 R	17	5808	A -3 4049
93		8.6A	59 12.404	-0.0004	12	-8 52 18.69	-0.004	12	0.25	12.411	16	33.6	18.62	16	33.6	A0	16	5833	A -8 4374
94		8.8A	59 27.797	-0.0053	13	-2 13 52.90	0.010	13	0.27	27.883	16	33.6	53.06	16	33.6	F5	17	5809	A -2 4291
95		9.2A	59 40.079	-0.0027	09	-1 46 36.53	-0.025	11	0.22	40.115	17	36.4	36.19	17	36.4	G0	21	4256	A -1 3285
96		8.6A	59 44.723	-0.0004	13	-4 32 27.32	-0.003	13	0.27	44.730	16	33.6	27.27	16	33.6	K0	17	5810	A -4 4221
97		8.8A	59 46.565	0.0015	12	-9 12 44.04	-0.002	12	0.25	46.540	16	33.6	44.01	16	33.6	G5	16	5834	A -9 4481
98		8.9A	59 57.865	-0.0007	13	-5 36 47.84	-0.027	13	0.27	57.877	16	33.6	47.40	16	33.6	K0 F	17	5811	A -5 4393
99		7.2A	17 0 16.772	-0.0025	13	-6 16 56.06	0.018	13	0.27	16.813	16	33.6	56.36	16	33.6	A3	17	5812	A -6 4542
00		9.0A	0 20.115	-0.0040	11	-8 11 30.82	-0.069	09	0.22	20.180	16	33.6	29.69	16	33.6	G5	16	5836	A -8 4379

141500

EPOCH 1950 — ORIGINAL EPOCH — SOURCE — − 0° 17H

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	CAT.	STAR NUMBER	DM NUMBER
1		8.7A	17 0 29.503	-0.0005	12	-8 56 51.48	-0.008	12	0.25	29.510	16	33.6	51.35	16	33.6	G5	16	5837	A -8 4380
2		8.7A	0 32.527	0.0001	12	-9 12 3.20	0.001	12	0.25	32.526	16	33.6	3.22	16	33.6	A5	16	5838	A -9 4402
3		6.8T	1 7.589	-0.0022	08	-0 4 36.09	-0.031	08	0.45	7.699	10	98.6	34.49	10	97.9	A2	GC	23009	0 3624
4		7.8A	1 24.485	-0.0005	12	-2 30 52.35	0.010	12	0.25	24.494	16	33.6	52.52	16	33.6	K5	17	5814	A -2 4294
5		9.1A	1 45.408	-0.0007	09	-2 38 48.23	-0.027	09	0.22	45.420	16	33.6	47.79	16	33.6	K2 F	17	5815	A -2 4295
6		8.1A	1 48.291	0.0015	09	-7 38 10.01	0.008	09	0.22	48.266	16	33.6	10.14	16	33.6	A0	16	5839	A -7 4392
7		9.0A	2 15.784	-0.0028	13	-5 31 49.82	0.045	13	0.27	15.831	16	33.6	50.56	16	33.6	G0	17	5816	A -5 4396
8		7.9T	2 28.969	-0.0622	05	-4 56 58.39	-1.127	04	0.22	29.630	09	07.2	6.18	09	03.7	K5P	GC	23043	B* -4 4225
9		8.8A	2 32.507	0.0081	09	-1 43 4.54	-0.040	11	0.22	32.423	17	36.4	4.00	17	36.4	K0	21	4262	A -1 3290
10		9.0A	2 33.560	-0.0043	13	-2 42 49.23	0.010	13	0.27	33.631	16	33.6	49.40	16	33.6	F5	17	5818	A -2 4299
11		8.7A	2 34.995	0.0006	11	-9 33 45.82	0.002	11	0.23	34.986	16	33.6	45.85	16	33.6	K5	16	5840	A -9 4490
12		9.0A	2 43.706	-0.0009	12	-9 12 34.09	-0.017	12	0.25	43.722	16	33.6	33.81	16	33.6	K2	16	5842	A -9 4492
13		5.6T	2 57.480	0.0000	04	-0 49 30.22	-0.002	03	0.20	57.477	09	98.9	30.12	09	98.9	B3	GC	23058	B* -0 3284
14		9.2A	3 17.059	-0.0001	12	-9 9 17.59	-0.000	12	0.25	17.062	16	33.7	17.59	16	33.7	B8 R	16	5843	A -9 4495
15		8.6B	3 27.848	-0.0043	13	-6 5 58.85	-0.026	12	0.57	28.034	17	06.4	57.62	17	05.9	K0	GC	23069	-5 4401
16		9.1A	3 46.838	-0.0007	09	-8 28 20.92	0.007	09	0.22	46.850	16	33.6	21.03	16	33.6	F8	16	5845	A -8 4386
17		9.0A	3 48.514	-0.0033	11	-3 16 27.76	0.030	11	0.23	48.569	16	33.6	28.26	16	33.6	K2 F	17	5821	A -3 4080
18		8.5A	3 53.377	-0.0039	11	-2 31 33.57	-0.044	11	0.23	53.440	16	33.6	32.85	16	33.6	G5	17	5822K	A -2 4301
19		8.8A	4 1.274	-0.0013	12	-9 42 26.64	-0.040	12	0.25	1.296	16	33.6	25.98	16	33.6	A2	16	5846	A -9 4501
20		8.8A	4 12.555	0.0001	09	-1 11 35.80	-0.039	11	0.22	12.554	17	36.4	35.27	17	36.4	G5	21	4268	A -1 3291
21		8.5A	4 13.962	-0.0010	13	-2 13 12.23	-0.027	13	0.27	13.978	16	33.6	11.79	16	33.6	G0	17	5823	A -2 4302
22		6.2T	4 17.206	0.0020	04	-1 35 25.82	-0.057	03	0.16	17.130	07	11.6	24.12	07	04.0	A2	GC	23091K	B* -1 3292
23		8.3A	4 19.958	-0.0004	12	-9 43 34.19	0.006	12	0.25	19.965	16	33.6	34.29	16	33.6	A2	16	5847	A -9 4502
24		7.8T	4 37.037	0.0067	10	-2 48 1.68	-0.071	11	0.56	36.699	14	99.2	-58.10	14	99.7	G5	GC	23100	-2 4304
25		9.0A	4 40.635	-0.0084	11	-4 33 2.45	-0.001	11	0.23	40.674	16	33.6	2.42	16	33.6	A2	17	5825	A -4 4230
26		7.8A	5 23.363	-0.0014	11	-4 15 49.67	0.013	11	0.23	23.386	16	33.6	49.87	16	33.6	K0	17	5826	A -4 4233
27		8.7A	5 26.820	-0.0047	09	-1 51 44.85	-0.072	11	0.22	26.885	17	36.2	43.86	17	36.2	G0	21	4273	A -1 3295
28		6.0T	5 38.713	-0.0015	04	-1 0 54.00	-0.035	04	0.18	38.780	06	04.1	52.50	06	07.0	A0	GC	23120K	B* -0 3250
29		8.6A	5 42.962	-0.0028	13	-5 13 52.77	0.012	13	0.27	43.007	16	33.6	52.97	16	33.6	F5P F	17	5827	A -5 4408
30		8.8A	5 53.632	-0.0011	11	-8 38 5.35	-0.017	11	0.23	53.650	16	33.7	5.07	16	33.7	M0 R	16	5849	A -8 4391
31		8.7A	5 57.210	-0.0009	11	-7 34 12.71	-0.015	11	0.23	57.225	16	33.6	12.46	16	33.6	F8	16	5850	A -7 4400
32		8.6A	6 3.744	-0.0007	09	-6 19 43.11	0.013	09	0.22	3.755	16	33.6	43.32	16	33.6	G5	16	5851	A -6 4355
33		8.8A	6 7.812	0.0024	09	-2 2 40.82	-0.034	11	0.22	7.779	17	36.2	40.36	17	36.2	F8 R	21	4275	A -1 3296
34		8.0A	6 9.790	-0.0007	13	-5 7 43.02	0.026	13	0.27	9.801	16	33.6	43.46	16	33.6	F2	17	5828	A -5 4409
35		6.5T	6 16.509	-0.0042	10	-3 49 3.39	-0.159	09	0.50	16.719	14	99.6	-55.38	14	99.7	G5	GC	23133	-3 4063
36		9.2A	6 30.866	-0.0004	11	-7 43 43.36	-0.036	11	0.23	30.873	16	33.7	42.77	16	33.7	G5 R	16	5852	A -7 4402
37		9.4A	6 33.208	-0.0033	11	-4 7 2.11	0.011	11	0.23	33.263	16	33.6	2.29	16	33.6	F0 F	17	5831	A -3 4064
38		8.8A	6 54.151	0.0005	12	-6 25 22.79	0.010	12	0.25	54.143	16	33.6	22.95	16	33.6	G0	16	5853	A -6 4559
39		9.1A	7 0.858	-0.0040	12	-6 43 10.27	0.030	12	0.25	0.923	16	33.7	10.76	16	33.7	K0 R	16	5854	A -6 4560
40		8.0B	7 16.650	-0.0001	14	-8 27 40.63	-0.062	12	0.62	16.653	17	04.8	37.71	17	02.9	G0	GC	23150	-8 4392
41		8.0A	7 35.710	-0.0007	09	-0 41 55.06	-0.007	11	0.22	35.719	17	36.2	54.96	17	36.2	A0	21	4282	A* -0 3234
42		9.0A	7 35.834	-0.0021	09	-1 12 6.58	-0.034	11	0.22	35.863	17	36.2	6.11	17	36.2	G0	21	4281	A -1 3299
43		8.8A	7 36.485	0.0010	11	-4 46 21.65	0.008	11	0.23	36.468	16	33.6	21.77	16	33.6	A0	17	5832	A -4 4239
44		8.3A	8 16.552	-0.0007	12	-5 28 5.55	0.007	12	0.25	16.563	16	33.6	5.67	16	33.6	A0	17	5833	A -5 4412
45		8.4A	8 41.504	-0.0016	12	-6 34 15.79	0.014	12	0.25	41.530	16	33.6	16.02	16	33.6	K0	16	5857	A -6 4565
46		8.0A	8 46.239	-0.0003	12	-9 52 2.97	-0.001	12	0.25	46.244	16	33.6	2.95	16	33.6	K0	16	5858	A -9 4512
47		9.2A	8 47.784	-0.0005	14	-1 21 30.25	0.016	20	0.29	47.790	17	36.2	30.47	17	36.2	K0	21	4284	A* -1 3301
48		8.8A	8 50.059	-0.0037	12	-8 45 17.09	-0.048	12	0.25	50.120	16	33.6	16.30	16	33.6	G0	16	5859	A -8 4394
49		9.1A	9 1.873	0.0015	12	-8 23 14.57	-0.068	12	0.25	1.847	16	33.7	13.46	16	33.7	F8 R	16	5860	A -8 4395
50		7.3A	9 4.312	-0.0009	09	-4 34 50.27	0.036	09	0.22	4.326	16	33.6	50.85	16	33.6	A2	17	5834	A -4 4243
51		9.1A	17 9 7.165	-0.0007	14	-1 23 24.64	-0.016	20	0.29	7.175	17	36.2	24.42	17	36.2	K5	21	4285	A* -1 3302
52		7.8A	9 10.913	-0.0037	13	-3 17 18.40	0.012	13	0.27	10.973	16	33.6	18.60	16	33.6	A5	17	5835	A -3 4072
53		8.2A	9 16.671	0.0057	09	-0 55 31.01	0.034	11	0.22	16.592	17	36.2	31.48	17	36.2	F5	21	4287	A -0 3239
54		8.7A	9 41.150	-0.0011	12	-4 20 36.23	-0.014	12	0.25	41.169	16	33.6	36.46	16	33.6	B9	17	5836	A -4 4244
55		7.8A	9 47.844	0.0002	09	-0 42 50.92	-0.064	11	0.22	47.841	17	36.2	50.04	17	36.2	F2	21	4288	A -0 3241
56		9.0A	9 57.919	-0.0012	09	-0 57 10.36	-0.025	11	0.22	57.935	17	36.2	10.02	17	36.2	B8 R	21	4289	A -0 3243
57		8.8B	10 6.804	-0.0002	07	-3 59 39.49	-0.011	05	0.34	6.812	15	01.3	38.63	12	91.3	F2	GC	23222K	B* -3 4074
58		8.8A	10 8.240	-0.0013	13	-4 7 49.98	0.028	13	0.27	8.261	16	33.6	50.44	16	33.6	A2	17	5838	A -4 4245
59		8.4A	10 14.790	-0.0011	12	-2 12 30.42	0.009	12	0.25	14.807	16	33.6	30.57	16	33.6	G0	17	5839	A -2 4313
60		8.5A	10 34.465	-0.0009	11	-9 37 0.84	-0.006	11	0.23	34.479	16	33.6	0.74	16	33.6	K0	16	5862	A -9 4518
61		8.4A	10 39.262	-0.0014	13	-5 5 42.82	-0.169	13	0.27	39.285	16	34.0	40.11	16	34.0	G0	17	5840	A -4 4247
62		7.7A	10 52.925	-0.0009	12	-9 13 33.71	-0.001	12	0.25	52.939	16	34.0	33.69	16	34.0	A0	16	5864K	A -9 4519
63		8.5A	11 0.517	-0.0019	11	-2 37 41.66	0.004	11	0.23	0.548	16	34.0	41.73	16	34.0	F5	17	5841	A -2 4314
64		9.4A	11 1.193	-0.0002	11	-7 30 21.50	0.003	11	0.23	1.196	16	33.7	21.55	16	33.7	A2 R	16	5865	A -7 4408
65		9.0A	11 17.844	-0.0015	13	-3 50 26.58	-0.008	13	0.27	17.867	16	34.0	26.45	16	34.0	A3	17	5842	A -3 4077
66		9.1A	11 20.776	0.0062	12	-8 50 4.44	-0.156	12	0.25	20.674	16	33.7	1.90	16	33.7	K2 R	16	5866	A -8 4399
67		7.6A	11 25.029	-0.0085	12	-8 20 52.15	0.079	12	0.25	25.134	16	34.0	53.42	16	34.0	K0	16	5867	A -8 4400
68		9.0A	11 42.317	0.0005	11	-7 20 24.21	-0.016	11	0.23	42.309	16	33.7	23.95	16	33.7	K2 R	16	5868	A -7 4410
69		7.2A	11 44.747	-0.0015	09	-4 6 18.55	-0.005	09	0.21	44.770	16	34.0	18.46	16	34.0	A0	17	5843	A -4 4079
70		7.4A	11 57.997	-0.0025	13	-4 25 40.02	-0.012	13	0.27	58.036	16	34.0	39.82	16	34.0	A0	17	5844	A -4 4252
71		9.5B	12 9.084	-0.0027	08	-1 17 29.06	0.011	07	0.38	9.182	15	05.4	29.61	17	00.7	F8	GC	23269	-1 3305
72		9.0A	12 11.328	0.0007	12	-9 15 36.84	-0.029	12	0.25	11.315	16	33.7	36.37	16	33.7	K5 R	16	5869	A -9 4522
73		9.1A	12 11.991	0.0015	11	-7 58 7.94	0.010	11	0.23	11.967	16	33.7	8.10	16	33.7	F0 R	16	5870	A -7 4411
74		7.5A	12 21.628	-0.0041	11	-2 26 50.69	0.007	11	0.23	21.693	16	34.0	50.81	16	34.0	G5	17	5845	A -2 4321
75		8.0A	12 35.208	-0.0020	12	-7 8 43.41	-0.042	12	0.25	35.240	16	34.0	42.74	16	34.0	F8	16	5871	A -7 4413
76		8.3A	12 43.989	-0.0002	09	-6 27 11.18	-0.010	09	0.21	43.992	16	34.0	11.02	16	34.0	A0	16	5872	A -6 4571
77		8.8A	12 50.739	-0.0021	09	-1 1 20.99	-0.083	11	0.22	50.768	17	36.2	19.85	17	36.2	G0	21	4295	A -0 3250
78		7.1T	12 55.978	0.0008	10	-9 45 12.31	-0.019	08	0.37	55.945	09	10.3	11.56	07	10.9	F5	GC	23293K	B* -9 4525
79		8.5A	13 5.884	-0.0000	12	-8 36 44.98	-0.021	12	0.25	5.884	16	34.0	44.64	16	34.0	A0	16	5875	A -8 4406
80		8.9B	13 10.493	-0.0007	09	-1 14 17.29	-0.018	07	0.40	10.526	15	06.3	16.46	17	03.9	F8	GC	23299	-1 3306
81		8.3A	13 21.734	0.0013	12	-7 59 23.97	-0.131	12	0.25	21.713	16	34.0	21.87	16	34.0	G0	16	5876	A -7 4414
82		9.5B	13 33.494	0.0040	20	-7 12 34.73	-0.008	22	0.84	33.336	19	10.9	34.42	21	11.6	A2	GC	23308	-7 4415
83		9.0A	13 40.485	0.0020	13	-3 33 22.63	0.001	13	0.27	40.452	16	34.0	22.64	16	34.0	K2 F	17	5846	A -3 4083
84		9.0A	13 55.070	-0.0080	12	-9 26 30.95	-0.083	12	0.25	55.167	16	34.0	29.94	16	34.0	G0	16	5879L	A -9 4527
85		8.2T	14 1.836	-0.0009	15	-6 11 28.62	-0.026	15	0.84	1.886	15	95.4	27.20	15	95.0	K0	GC	23319	-6 4575
86		4.8T	14 2.523	-0.0017	03	-0 23 25.24	-0.067	03	0.18	2.612	06	99.3	21.61	06	95.6	K0	GC	23320K	B* -0 3255
87		8.3A	14 19.735	-0.0007	13	-2 49 11.13	0.019	13	0.27	19.746	16	34.0	11.44	16	34.0	A0	17	5848	A -2 4326
88		9.0A	14 20.092	-0.0005	12	-9 8 18.14	0.010	12	0.25	20.101	16	34.0	18.30	16	34.0	G5	16	5881	A -9 4530
89		9.1A	14 21.472	0.0006	12	-9 44 3.54	0.005	12	0.25	21.462	16	33.7	3.62	16	33.7	K2 R	16	5882	A -9 4531
90		8.1A	14 29.730	-0.0003	09	-6 43 54.51	-0.014	09	0.21	29.734	16	34.0	54.29	16	34.0	A0	16	5883	A -6 4577
91		8.1A	14 40.522	-0.0012	12	-7 48 57.69	0.018	12	0.25	40.540	16	34.0	57.98	16	34.0	K2	16	5884	A -7 4419
92		7.8A	14 41.903	-0.0006	12	-5 4 38.87	0.006	12	0.25	41.913	16	34.0	38.97	16	34.0	A0	17	5849	A -4 4258
93		8.8A	15 1.931	-0.0000	12	-5 9 20.98	-0.047	12	0.25	1.931	16	34.0	20.24	16	34.0	K2 F	17	5850	A -5 4422
94		8.8A	15 10.388	0.0002	12	-8 16 56.93	-0.018	12	0.25	10.382	16	33.7	56.84	16	33.7	K2 R	16	5885	A -8 4415
95		8.8A	15 23.287	-0.0006	09	-0 54 15.15	-0.019	11	0.22	23.295	17	36.2	14.89	17	36.2	A0	21	4298	A -0 3259
96		8.3A	15 23.486	0.0008	11	-8 15 45.35	0.013	11	0.23	23.452	16	33.7	45.56	16	33.7	K5 R	16	5886	A -8 4417
97		9.0A	15 30.127	-0.0089	09	-1 13 51.28	-0.130	11	0.22	30.250	17	36.2	49.49	17	36.2	K0	21	4299	A -1 3309
98		9.3A	15 37.687	0.0009	12	-8 55 37.77	-0.053	12	0.25	37.672	16	33.7	36.91	16	33.7	G0 R	16	5887	A -8 4418
99		8.5A	15 40.277	-0.0024	09	-0 42 45.29	-0.093	11	0.22	40.310	17	36.2	44.36	17	36.2	F8	21	4300	A -0 3260
00		8.9A	16 0.632	-0.0020	13	-4 13 42.03	-0.032	13	0.27	0.664	16	34.0	41.52	16	34.0	A0	17	5851	A -4 4261

141600

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	σ'_μ ″.001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.		SOURCE CAT.	STAR NUMBER	DM NUMBER
1		8.4G	17 16 4.117	-0.0071	10	-1 27 33.24	0.046	08	0.44	4.419	17	07.2	35.40	17	03.0	G5		GC	23377	-1 3312
2		6.6T	16 13.836	-0.0089	07	-2 45 29.59	-0.060	07	0.37	14.292	10	99.0	26.48	10	98.3	F8		GC	23380	-2 4330
3		8.2A	16 18.684	0.0003	13	-4 15 22.44	0.005	13	0.27	18.678	16	34.0	22.51	16	34.0	K5		17	5853	A -4 4262
4		9.1A	16 19.858	0.0005	11	-9 5 22.25	-0.042	11	0.23	19.850	16	33.7	21.57	16	33.7	K0	R	16	5889	A -8 4422
5		9.0A	16 38.753	-0.0040	12	-6 32 30.40	-0.014	12	0.25	38.816	16	34.0	30.18	16	34.0	G0		16	5890	A -6 4579
6		7.3T	16 44.381	-0.0001	08	-2 41 53.63	0.003	07	0.41	44.388	12	98.9	53.78	12	98.2	K0		GC	23391	-2 4332
7		7.7T	17 11.712	-0.0005	10	-3 59 36.13	-0.031	08	0.52	11.737	15	95.4	54.37	15	93.6	F5		GC	23403	-3 4087
8		8.0G	17 17.143	-0.0006	08	-7 58 12.38	-0.219	10	0.44	17.169	10	05.0	2.04	12	02.8	G0		GC	23406	-7 4427
9		9.7G	17 17.325	-0.0004	10	-6 22 43.77	-0.021	07	0.45	17.342	17	04.2	42.67	15	97.2	G0		GC	23407K	-6 4580
10		9.7G	17 17.532	0.0004	14	-6 22 37.16	-0.021	09	0.54	17.515	21	10.2	36.11	19	99.9	G0		GC	23408K	-6 4580
11		6.3T	17 18.815	0.0024	10	-5 51 52.94	-0.182	10	0.59	18.678	15	93.2	42.21	15	91.0	G5		GC	23410	-5 4426
12		9.0A	17 23.259	-0.0013	11	-2 29 16.19	0.001	11	0.23	23.259	16	34.0	16.21	16	34.0	A8	F	17	5857K	A -2 4356
13		8.0A	17 26.007	-0.0028	09	-0 16 31.78	-0.012	11	0.22	26.046	17	36.2	31.62	17	36.2	K5		21	4304	A -0 3265
14		9.4A	17 35.722	-0.0012	11	-7 27 17.29	-0.032	11	0.23	35.742	16	33.7	16.77	16	33.7	K0	R	16	5893	A -7 4429
15		8.3A	17 38.255	-0.0041	09	-5 27 36.44	-0.052	09	0.21	38.321	16	34.0	35.61	16	34.0	F5		17	5858	A -5 4429
16		9.1A	17 47.826	-0.0005	09	-1 32 36.22	-0.012	11	0.22	47.832	17	36.2	36.06	17	36.2	A5		21	4305	A -1 3316
17		9.1A	17 55.977	0.0015	11	-8 51 37.13	0.001	11	0.23	55.952	16	33.7	37.14	16	33.7	F0	R	16	5894	A -8 4427
18		8.3A	17 56.621	-0.0026	13	-2 22 23.57	-0.037	13	0.27	56.662	16	34.0	22.98	16	34.0	F5		17	5859	A -2 4338
19		9.0A	17 57.171	-0.0002	11	-8 21 11.07	0.000	11	0.23	57.174	16	33.7	11.07	16	33.7	K0	R	16	5895	A -8 4428
20		8.6A	18 1.046	0.0015	09	-7 3 25.00	-0.026	09	0.21	1.021	16	34.0	24.58	16	34.0	G5		16	5896K	A -6 4581
21		8.8A	18 4.080	-0.0016	11	-8 59 17.32	-0.011	11	0.23	4.106	16	34.0	17.14	16	34.0	F0		16	5897K	A -8 4429
22		9.1A	18 11.040	0.0006	09	-2 1 3.44	-0.026	11	0.22	11.031	17	36.2	3.09	17	36.2	F5		21	4306	A -1 3317
23		9.0A	18 12.012	-0.0005	12	-6 7 21.02	-0.020	12	0.25	12.021	16	34.0	20.70	16	34.0	K2	F	17	5860	A -6 4582
24		8.9A	18 24.460	-0.0020	09	-0 10 56.62	-0.026	11	0.22	24.488	17	36.2	56.26	17	36.2	A2		21	4307	A -0 3267
25		9.0A	18 30.431	-0.0004	09	-0 30 18.76	-0.022	11	0.22	30.436	17	36.2	18.46	17	36.2	A2		21	4308	A -0 3268
26		8.8A	18 31.403	-0.0018	11	-4 46 13.99	-0.037	11	0.23	31.432	16	34.0	13.39	16	34.0	G0		17	5861	A -4 4266
27		8.6A	18 45.075	0.0009	09	-0 36 2.38	0.027	11	0.22	45.063	17	36.2	2.75	17	36.2	K2		21	4309	A -0 3269
28		9.0A	18 53.180	0.0008	11	-7 2 34.19	-0.001	11	0.23	53.167	16	33.7	34.18	16	33.7	K0	R	16	5899	A -6 4583
29		8.7A	18 54.246	0.0026	09	-0 43 10.68	-0.050	11	0.22	54.210	17	36.2	9.99	17	36.2	F2		21	4310	A -0 3270
30		9.2A	19 11.112	0.0003	09	-1 52 22.29	0.003	11	0.22	11.107	17	36.2	22.33	17	36.2	K0		21	4311	A -1 3318
31		9.0A	19 14.611	0.0007	12	-9 56 59.04	0.022	12	0.25	14.600	16	34.0	59.40	16	34.0	F2		16	5900	A -9 4539
32		9.0A	19 31.332	0.0004	12	-9 40 8.74	-0.005	12	0.25	31.326	16	34.0	8.66	16	34.0	A0		16	5901	A -9 4540
33		8.6A	19 34.168	-0.0038	11	-3 33 51.06	-0.007	11	0.23	34.229	16	34.0	50.95	16	34.0	G0		17	5862	A -3 4091
34		8.5A	19 46.832	-0.0012	13	-4 41 29.63	-0.007	13	0.27	46.851	16	34.0	29.51	16	34.0	A2		17	5863	A -4 4269
35		9.1A	19 54.003	-0.0014	09	-5 36 22.85	-0.129	09	0.21	54.026	16	34.0	20.78	16	34.0	K2	F	17	5864	A -5 4434
36		9.4A	19 56.507	-0.0046	17	-9 54 25.13	0.013	18	0.33	56.583	18	33.6	25.35	16	33.6	G0	J	11	5938	A -9 4542
37		8.0G	20 1.152	-0.0021	07	-6 16 56.62	-0.166	06	0.38	1.257	14	98.9	47.69	15	96.2	G0		GC	23486	-6 4587
38		8.4A	20 7.179	-0.0007	13	-3 41 4.84	-0.039	13	0.27	7.189	16	34.0	4.21	16	34.0	A0		17	5865	A -3 4092
39		9.0A	20 7.753	0.0001	09	-0 29 37.06	-0.022	11	0.22	7.752	17	36.2	36.76	17	36.2	K2	R	21	4312	A -0 3271
40		8.4A	20 9.688	-0.0021	09	-0 50 46.84	-0.079	11	0.22	9.717	17	36.2	45.76	17	36.2	K5		21	4313	A -0 3272
41		9.2A	20 14.607	0.0017	11	-7 46 17.54	-0.008	11	0.23	14.580	16	33.7	17.41	16	33.7	F8	R	16	5903	A -7 4434
42		6.3T	20 14.608	0.0028	05	-2 20 24.99	-0.113	05	0.23	14.499	09	11.6	20.38	09	09.2	G5		GC	23493	-2 4343
43		7.0T	20 22.289	0.0018	08	-7 3 26.88	-0.037	06	0.45	22.184	14	92.6	24.66	14	89.9	G0		GC	23496	-6 4589
44		8.2A	20 42.523	-0.0006	09	-5 23 32.00	0.002	09	0.21	42.533	16	34.0	32.03	16	34.0	A0		17	5867	A -5 4436
45		7.4A	20 49.726	-0.0032	11	-3 4 33.95	-0.005	11	0.23	49.777	16	34.0	33.87	16	34.0	G0		17	5868	A -2 4346
46		8.9A	21 11.891	-0.0005	09	-0 40 9.48	-0.044	11	0.22	11.898	17	36.2	8.88	17	36.2	K2	R	21	4316	A -0 3273
47		7.8T	21 13.273	-0.0024	07	-9 18 45.96	-0.007	05	0.29	13.369	12	09.2	45.63	12	03.6	G0		GC	23519	B* -9 4546
48		9.0G	21 22.891	-0.0009	08	-0 47 23.76	-0.003	05	0.40	22.934	17	98.8	23.59	14	90.0	F2		GC	23525K	B* -0 3275
49		8.5A	21 22.910	-0.0009	11	-2 38 24.97	0.008	11	0.23	22.924	16	34.0	25.10	16	34.0	A0		17	5870	A -2 4348
50		9.2A	21 35.317	-0.0004	11	-8 2 44.97	0.004	09	0.22	35.323	16	33.7	45.04	16	33.7	G5	R	16	5906	A -7 4438
51		8.2G	17 21 35.944	0.0004	09	-5 16 49.39	-0.006	08	0.41	35.923	14	03.2	49.12	14	01.7	G0		GC	23529	-5 4438
52		9.1A	21 47.949	-0.0008	09	-0 32 33.12	-0.008	11	0.22	47.960	17	36.2	33.01	17	36.2	A		21	4319	A -0 3276
53		9.0A	21 56.230	-0.0035	09	-0 37 8.35	-0.010	11	0.22	56.278	17	36.2	8.21	17	36.2	G5	R	21	4320	A -0 3277
54		8.5A	22 5.913	-0.0015	11	-8 8 8.56	0.001	11	0.23	5.936	16	34.0	8.57	16	34.0	A3		16	5907	A -8 4436
55		8.0G	22 17.332	-0.0011	13	-9 9 57.82	-0.119	09	0.50	17.377	15	08.0	52.16	14	02.5	G5		GC	23557	-9 4549
56		7.0T	22 42.400	-0.0024	10	-8 47 7.18	-0.004	09	0.61	42.538	21	92.1	6.93	19	90.1	A2		GC	23570	-8 4437
57		8.5A	23 4.256	-0.0019	11	-3 20 3.60	-0.076	11	0.23	4.285	16	34.0	2.38	16	34.0	G0		17	5872	A -3 4097
58		7.8T	23 7.163	0.0010	11	-8 37 44.57	-0.015	08	0.53	7.113	21	01.7	43.77	19	96.8	K0		GC	23586	-8 4438
59		9.4A	23 16.314	-0.0020	12	-7 42 35.09	0.023	12	0.25	16.347	16	33.7	35.46	16	33.7	G0	R	16	5912	A -7 4443
60		6.9T	23 18.027	-0.0011	10	-6 32 19.30	-0.005	09	0.53	18.085	14	96.2	19.04	14	97.5	B9		GC	23593	-6 4592
61		6.3H	23 22.010	0.0042	02	-1 36 35.11	0.048	02	0.07	21.911	04	26.3	36.40	04	23.3	F5		F4	1458	-1 3329
62		8.9A	23 27.050	-0.0030	09	-5 22 35.40	-0.035	09	0.21	27.098	16	34.0	34.85	16	34.0	G5		17	5873	A -5 4444
63		9.0A	23 39.033	-0.0033	09	-0 7 21.58	-0.019	11	0.22	39.078	17	36.2	21.32	17	36.2	F5	R	21	4323	A -0 3281
64		9.6A	23 56.571	-0.0030	12	-8 39 30.31	-0.129	12	0.25	56.620	16	33.7	28.21	16	33.7	K0	R	16	5914	A -8 4440
65		4.6H	23 58.550	-0.0064	02	-5 2 38.50	-0.045	02	0.06	58.750	03	18.8	36.99	03	16.1	F0		F4	647	-4 4275
66		9.2A	23 59.243	-0.0008	09	-0 4 11.51	-0.013	11	0.22	59.254	17	36.2	11.33	17	36.2	K2	R	21	4324	A 0 3689
67		7.9A	24 4.987	0.0011	09	-0 57 35.18	-0.036	11	0.22	4.972	17	36.2	34.69	17	36.2	A0		21	4326	A -0 3283
68		8.4A	24 11.733	0.0011	09	-0 8 35.06	-0.016	11	0.22	11.717	17	36.2	34.84	17	36.2	K0		21	4327	A -0 3285
69		7.8A	24 30.172	-0.0068	12	-7 16 24.73	-0.106	12	0.25	30.313	16	34.0	23.03	16	34.0	G0		16	5915	A -7 4444
70		8.8A	24 34.899	0.0002	09	-0 13 11.06	-0.011	11	0.22	34.896	17	36.2	10.91	17	36.2	K5	R	21	4329	A -0 3286
71		8.1A	24 40.464	0.0001	13	-2 21 6.24	-0.007	13	0.27	40.463	16	34.0	6.13	16	34.0	K2		17	5876	A -2 4357
72		9.1A	24 42.403	-0.0071	09	-0 12 34.97	-0.188	11	0.22	42.500	17	36.2	32.39	17	36.2	G5	R	21	4331	A -0 3287
73		8.8A	24 43.434	0.0016	13	-5 41 36.67	-0.010	13	0.27	43.408	16	34.0	36.51	16	34.0	K0		17	5875	A -5 4447
74		9.3A	24 44.124	0.0004	09	-1 40 1.91	-0.043	11	0.22	44.118	17	36.2	1.32	17	36.2	F8	R	21	4330	A -1 3334
75		9.0A	24 54.513	-0.0037	12	-4 16 56.32	-0.043	12	0.25	54.573	16	34.0	55.62	16	34.0	G8	F	17	5877	A -4 4282
76		8.2A	25 6.581	0.0000	13	-3 5 4.03	0.007	13	0.27	6.580	16	34.0	4.14	16	34.0	K2		17	5878	A -3 4105
77		9.0A	25 11.818	-0.0006	12	-6 9 12.04	-0.011	12	0.25	11.828	16	34.0	11.87	16	34.0	G5		17	5879	A -6 4597
78		9.2A	25 18.781	-0.0003	14	-0 17 46.88	-0.004	14	0.26	18.785	17	36.4	46.94	17	36.4	K0	R	21	4332	A -0 3290
79		6.3T	25 19.326	-0.0057	06	-8 9 58.30	-0.130	05	0.22	19.531	09	13.8	53.14	09	10.3	F8		GC	23653	-8 4444
80		8.2G	25 43.968	-0.0003	11	-9 27 38.54	-0.018	07	0.48	43.980	17	02.7	37.57	17	96.3	A0		GC	23670	-9 4556
81		8.9A	25 48.948	-0.0011	11	-3 31 51.43	-0.017	11	0.23	48.966	16	34.0	51.16	16	34.0	A0		17	5881	A -3 4106
82		8.5A	26 2.399	0.0006	09	-5 35 58.85	-0.013	09	0.21	2.390	16	34.0	58.65	16	34.0	A2		17	5882	A -5 4449
83		9.0A	26 16.021	0.0010	12	-6 33 22.66	0.000	12	0.25	16.004	16	33.7	22.66	16	33.7	K5	R	16	5921	A -6 4600
84		7.8T	26 31.284	0.0029	08	-9 57 6.77	0.008	07	0.46	31.123	17	95.3	7.23	15	91.9	F2		GC	23679K	B* -9 4558
85		9.1A	26 35.120	-0.0010	11	-2 4 52.10	-0.001	11	0.23	35.136	16	34.0	52.09	16	34.0	K2	F	17	5883	A -2 4368
86		9.2A	26 38.256	0.0017	09	-1 27 5.19	-0.022	11	0.22	38.232	17	36.4	4.89	17	36.4	F8	R	21	4336	A -1 3341
87		9.0A	26 43.248	0.0015	09	-0 1 39.65	-0.031	11	0.22	43.228	17	36.4	39.23	17	36.4	K2		21	4339	A 0 3700
88		9.0A	26 55.273	0.0002	11	-9 32 34.95	0.010	11	0.23	55.269	16	33.6	35.11	16	33.6	K2	R	16	5923	A -9 4560
89		8.0A	26 58.747	-0.0011	09	-0 7 51.02	-0.039	11	0.22	58.761	17	36.4	50.49	17	36.4	F0		21	4340	A -0 3296
90		8.3A	27 0.947	-0.0012	12	-7 58 43.68	-0.015	12	0.25	0.965	16	34.0	43.44	16	34.0	A0		16	5924	A -7 4448
91		6.4T	27 6.844	-0.0017	07	-5 52 49.40	-0.075	07	0.33	6.920	12	04.7	45.81	12	02.1	G5		GC	23687K	B* -5 4450
92		9.0A	27 8.048	-0.0008	09	-1 13 20.27	0.007	11	0.22	8.058	17	36.4	20.37	17	36.4	K2	R	21	4341	A -1 3343
93		8.0A	27 16.076	0.0011	12	-6 52 24.48	-0.001	12	0.25	16.058	16	34.0	24.47	16	34.0	K0		16	5926	A -6 4602
94		8.6G	27 16.448	0.0004	10	-8 22 37.25	-0.012	06	0.44	16.428	17	03.9	36.59	15	95.3	F8		GC	23691K	-8 4447
95		9.3A	27 20.067	-0.0013	09	-2 7 5.07	-0.010	11	0.22	20.085	17	36.4	4.94	17	36.4	F2	R	21	4342	A -2 4373
96		9.0A	27 20.490	0.0002	09	-4 45 51.73	-0.025	09	0.21	20.486	16	34.0	51.32	16	34.0	K0	F	17	5885	A -4 4289
97		8.9G	27 20.890	-0.0020	13	-1 16 6.37	-0.002	08	0.54	20.977	18	05.4	6.27	17	99.5	F2		GC	23692K	-1 3345
98		8.7A	27 28.898	-0.0017	09	-1 56 54.19	-0.032	11	0.22	28.921	17	36.4	53.75	17	36.4	K0		21	4344	A -1 3346
99		9.0A	27 30.369	0.0000	09	-1 0 0.45	-0.018	11	0.22	30.369	17	36.4	0.21	17	36.4	F2		21	4345	A -0 3298
00		8.7A	27 37.989	0.0001	11	-8 50 6.45	0.005	11	0.23	37.987	16	34.0	6.53	16	34.0	A0		16	5927	A -8 4448

- 00° 17H

141700

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	DM NUMBER
																			- 00° 17H
1		6.6T	17 27 41.141	-0.0004	12	-4 19 53.59	0.002	10	0.65	41.161	15	92.9	53.69	14	92.3	F0	GC	23701	-4 4290
2		5.3T	27 49.249	-0.0080	05	-1 1 22.17	-0.170	03	0.26	49.732	09	90.0	12.18	07	91.2	G5	GC	23706K	B* -0 3300
3		9.0A	27 49.372	-0.0006	09	-0 22 48.08	0.004	11	0.22	49.381	17	36.4	48.14	17	36.4	K0 R	21	4348	A -0 3299
4		8.7A	27 52.184	-0.0012	13	-6 2 48.07	0.002	13	0.27	52.144	16	34.0	48.10	16	34.0	K2	17	5888	A -5 4453
5		9.0A	27 55.115	-0.0017	13	-2 11 18.22	0.006	13	0.27	55.142	16	34.0	18.32	16	34.0	K2 F	17	5890	A -2 4374
6		8.5A	27 59.147	-0.0010	13	-5 17 13.30	-0.033	13	0.27	59.162	16	34.0	12.78	16	34.0	K0	17	5891	A -5 4454
7		9.1A	28 0.956	0.0006	09	-7 49 34.36	-0.028	09	0.21	0.945	16	34.0	33.91	16	34.0	G5	16	5930	A -7 4451
8		8.5A	28 3.820	-0.0020	13	-2 39 20.30	0.008	13	0.27	3.853	16	34.0	20.43	16	34.0	A2	17	5892	A -2 4375
9		8.3A	28 11.459	0.0009	09	-3 52 38.26	0.009	12	0.23	11.445	16	34.0	39.69	16	34.0	F8	17	5903	A -3 4116
10		8.9A	28 11.679	0.0000	12	-8 15 12.50	-0.029	12	0.25	11.679	16	34.0	12.04	16	34.0	G8	16	5931	A -8 4450
11		9.1A	28 15.274	0.0005	09	-5 35 28.70	-0.017	09	0.21	15.286	16	34.0	28.43	16	34.0	A0	17	5894K	A -5 4455
12		8.2A	28 17.255	0.0001	12	-7 54 36.35	0.001	12	0.25	17.253	16	34.0	36.37	16	34.0	F2	16	5932	A -7 4452
13		7.2T	28 25.212	-0.0007	08	-2 47 23.38	-0.003	07	0.41	25.252	12	96.2	23.21	12	95.1	K0	GC	23719	-2 4377
14		9.0A	28 45.384	-0.0022	09	-0 16 36.69	0.004	11	0.22	45.354	17	36.4	38.75	17	36.4	A0	21	4352	A -0 3305
15		8.7A	28 48.159	0.0008	09	-4 51 48.11	-0.007	09	0.21	48.146	16	34.0	47.99	16	34.0	F5	17	5896	A -4 4293
16		8.2B	28 49.671	-0.0176	09	-2 30 4.41	-0.106	08	0.44	50.554	14	99.7	58.91	15	98.1	G0	GC	23731	-2 4381
17		8.6A	28 54.348	-0.0022	12	-3 31 6.82	-0.006	12	0.25	54.383	16	34.0	6.71	16	34.0	F5	17	5898	A -3 4120
18		8.5A	28 59.547	-0.0000	11	-9 56 41.18	0.005	11	0.23	59.547	16	34.0	41.26	16	34.0	K5	16	5933	A -9 4564
19		8.8A	29 8.777	-0.0008	12	-5 37 42.39	0.030	12	0.25	8.790	16	34.0	42.87	16	34.0	A0	17	5899	A -5 4457
20		9.3A	29 18.628	-0.0001	12	-9 9 52.31	0.008	12	0.25	18.631	16	34.0	52.44	16	34.0	A3	16	5934	A -9 4565
21		9.1A	29 49.510	-0.0019	11	-2 43 31.35	-0.017	11	0.23	49.541	16	34.0	31.08	16	34.0	G5	17	5901	A -2 4387
22		8.8A	29 55.108	-0.0076	09	-6 13 56.44	0.002	09	0.21	55.231	16	34.0	56.47	16	34.0	G0	17	5902	A -6 4609
23		9.0A	29 56.776	0.0009	09	-0 29 30.58	-0.006	11	0.22	56.766	17	36.4	30.50	17	36.4	K2 R	21	4355	A -0 3309
24		8.8A	30 19.442	-0.0001	09	-4 34 2.36	-0.006	09	0.21	19.443	16	34.0	2.78	16	34.0	A3	17	5903	A -4 4296
25		9.2A	30 20.118	0.0012	12	-8 42 34.20	-0.036	12	0.25	20.098	16	33.6	33.61	16	33.6	A2 R	16	5937	A -8 4456
26		8.1A	30 20.226	-0.0050	13	-3 19 11.86	-0.030	13	0.27	20.306	16	34.0	11.39	16	34.0	G0	17	5904	A -3 4125
27		8.9A	30 22.634	0.0006	12	-9 35 12.32	0.012	12	0.25	22.625	16	34.0	12.51	16	34.0	K5	16	5938	A -9 4567
28		9.3A	30 35.826	-0.0003	09	-2 2 16.75	0.005	11	0.22	35.829	17	36.4	16.81	17	36.4	A2 R	21	4356	A -1 3355
29		8.7A	30 48.988	-0.0028	11	-3 24 6.91	0.004	11	0.23	49.033	16	34.0	6.98	16	34.0	A0	17	5906	A -3 4127
30		5.7T	30 49.532	-0.0031	06	-5 42 35.47	-0.100	04	0.22	49.657	07	09.7	31.30	07	08.4	A2	GC	23788	B* -5 4461
31		9.0A	30 54.061	0.0001	11	-7 27 19.01	-0.002	11	0.23	54.059	16	33.6	18.97	16	33.6	B5 R	16	5939	A -7 4456
32		8.5A	31 3.843	-0.0050	11	-7 53 1.77	-0.004	11	0.23	3.924	16	34.0	1.70	16	34.0	A0	16	5940	A -7 4457
33		8.8A	31 4.783	0.0013	09	-0 45 50.81	-0.119	11	0.22	4.766	17	36.4	49.18	17	36.4	F8	21	4358	A -0 3317
34		8.9A	31 10.194	-0.0025	12	-6 22 24.09	-0.049	12	0.25	10.234	16	34.0	23.30	16	34.0	F8	16	5941	A -6 4611
35		8.9A	31 17.246	0.0013	09	-1 57 33.17	0.024	11	0.22	17.227	17	36.4	33.50	17	36.4	K0	21	4359	A -1 3356
36		7.1T	31 31.240	-0.0035	11	-3 1 19.97	-0.027	10	0.34	31.416	14	99.1	18.61	14	98.9	F8	GC	23806	-2 4398
37		9.2A	31 37.261	0.0013	12	-6 56 38.85	0.016	12	0.25	37.259	16	34.0	39.10	16	34.0	F5	16	5942	A -6 4612
38		8.5A	31 42.606	-0.0062	09	-4 57 19.34	-0.021	09	0.21	42.705	16	34.0	19.01	16	34.0	F8	17	5909	A -4 4301
39		7.9B	31 53.151	0.0070	12	-4 43 34.05	-0.192	13	0.61	52.810	14	01.6	25.22	14	03.9	F8	GC	23814	-1 3358
40		9.1A	31 54.407	0.0001	09	-1 7 11.19	-0.012	11	0.22	54.405	17	36.4	11.03	17	36.4	F0	21	4361	A -1 3360
41		8.0A	32 17.072	-0.0004	09	-1 34 23.59	-0.015	11	0.22	17.077	17	36.4	23.39	17	36.4	A0	21	4363	A -1 3362
42		8.8A	32 18.038	0.0034	12	-7 9 35.70	-0.019	12	0.25	17.983	16	34.0	35.39	16	34.0	A2	16	5945	A -7 4462
43		9.1A	32 28.179	-0.0009	12	-6 24 27.41	-0.028	12	0.25	28.194	16	34.0	26.96	16	34.0	G0	16	5946	A -6 4615
44		8.9A	32 28.589	0.0005	11	-3 37 33.43	0.008	11	0.23	28.580	16	34.0	33.57	16	34.0	F5	17	5910	A -3 4129
45		9.0A	32 31.728	-0.0009	09	-0 33 56.42	-0.009	11	0.22	31.740	17	36.4	56.29	17	36.4	B9	21	4364	A -0 3322
46		7.5A	32 49.397	-0.0003	09	-5 54 1.09	-0.022	09	0.21	49.401	16	34.0	0.73	16	34.0	A0	17	5911	A -5 4465
47		7.5A	32 54.178	0.0005	13	-2 51 37.17	0.007	13	0.27	54.169	16	34.0	37.29	16	34.0	B9	17	5912	A -2 4402
48		6.7T	33 1.653	-0.0005	13	-6 5 24.08	0.027	11	0.65	1.680	12	96.7	25.52	12	96.4	K0	GC	23843	-6 4616
49		8.5A	33 9.922	-0.0001	09	-6 10 14.42	-0.016	09	0.21	9.923	16	34.0	14.16	16	34.0	G0	17	5914	A -6 4619
50		8.9A	33 13.202	-0.0003	13	-4 55 16.31	-0.030	13	0.27	13.207	16	34.0	15.83	16	34.0	G5	17	5916	A -4 4307
51		8.0A	17 33 13.238	-0.0003	15	-6 5 53.24	0.019	15	0.29	13.243	16	34.0	53.54	16	34.0	F0	17	5915	A -6 4620
52		7.8A	33 14.716	-0.0025	13	-4 9 12.07	0.007	13	0.27	14.756	16	34.0	12.19	16	34.0	A2	17	5917	A -4 4308
53		7.9A	33 31.332	-0.0023	11	-3 38 56.21	-0.017	11	0.23	31.369	16	34.0	55.95	16	34.0	K2	17	5918	A -3 4132
54		8.9A	33 36.884	0.0048	12	-9 45 50.68	-0.012	12	0.25	36.808	16	34.0	50.48	16	34.0	F8	16	5952	A -9 4578
55		9.0A	33 46.818	-0.0006	13	-2 20 21.81	0.007	13	0.27	46.827	16	34.0	21.93	16	34.0	K8 F	17	5919	A -2 4405
56		8.9A	33 56.381	-0.0017	12	-9 11 55.08	-0.012	12	0.25	56.408	16	34.0	54.88	16	34.0	A5	16	5953	A -9 4579
57		8.6A	33 57.261	-0.0008	11	-9 48 8.28	-0.017	11	0.23	57.275	16	34.0	8.00	16	34.0	F5	16	5954	A -9 4580
58		8.4A	33 58.953	-0.0008	09	-2 9 58.62	0.034	09	0.21	58.967	16	34.0	59.16	16	34.0	F5	17	5920	A -2 4406
59		9.0A	34 14.626	-0.0007	09	-3 18 58.99	-0.039	09	0.21	14.637	16	34.0	58.38	16	34.0	G5	17	5921	A -3 4135
60		9.0A	34 21.178	0.0003	09	-1 50 5.46	0.041	11	0.22	21.174	17	36.4	6.02	17	36.4	G0	21	4368	A -1 3366
61		8.8A	34 22.729	-0.0012	12	-8 21 34.31	0.070	12	0.25	22.749	16	34.0	35.43	16	34.0	G0	16	5955	A -8 4468
62		8.5A	34 23.078	0.0001	15	-2 44 16.90	-0.003	15	0.29	23.077	16	34.0	16.86	16	34.0	A2	17	5922	A -2 4410
63		9.1A	34 26.244	-0.0027	12	-9 28 43.96	-0.036	12	0.25	26.288	16	34.0	43.38	16	34.0	G0	16	5956	A -9 4581
64		8.9A	34 35.114	-0.0016	12	-8 41 49.01	-0.045	11	0.24	35.139	16	34.0	48.28	16	34.0	F8	16	5957	A -8 4469
65		7.9A	34 40.795	-0.0014	12	-8 0 27.42	-0.034	12	0.25	40.817	16	34.0	26.87	16	34.0	A0	16	5958	A -7 4468
66		7.3A	34 43.584	0.0025	09	-2 50 45.18	0.069	09	0.21	43.483	16	34.0	46.30	16	34.0	G5	17	5923	A -2 4413
67		8.6A	34 48.242	-0.0002	09	-2 59 4.98	0.004	09	0.21	48.245	16	34.0	5.05	16	34.0	K0	17	5924	A -2 4414
68		8.5A	34 51.469	-0.0006	13	-4 8 34.58	-0.002	13	0.27	51.479	16	34.0	34.56	16	34.0	K8 F	17	5925	A -4 4315
69		8.8A	34 58.556	-0.0015	09	-1 0 15.88	-0.008	11	0.22	58.577	17	36.4	15.77	17	36.4	A0	21	4369	A -0 3327
70		9.3A	35 5.200	0.0008	12	-8 23 39.54	-0.025	12	0.25	5.186	16	33.6	39.12	16	33.6	F5 R	16	5959	A -8 4471
71		9.0A	35 6.608	-0.0015	09	-1 36 42.40	-0.037	11	0.22	6.628	17	36.4	41.89	17	36.4	F0	21	4370	A -1 3367
72		4.6T	35 7.900	-0.0009	03	-8 5 24.07	-0.025	02	0.17	7.542	07	96.9	22.62	06	92.5	B8	GC	23889	B* -8 4472
73		8.0A	35 9.477	-0.0015	12	-3 43 39.65	0.084	12	0.25	9.500	16	34.0	0.04	16	34.0	A3	17	5928	A -3 4143
74		8.8A	35 13.550	-0.0015	11	-8 49 33.93	-0.022	11	0.23	13.574	16	34.0	49.57	16	34.0	F8	17	5927	A -8 4467
75		7.5A	35 16.888	-0.0034	12	-9 0 4.04	-0.084	12	0.25	16.942	16	34.0	3.01	16	34.0	G0	16	5961	A -8 4473
76		8.0A	35 25.850	-0.0009	11	-8 6 21.66	-0.036	11	0.23	25.864	16	34.0	21.08	16	34.0	B9	16	5962	A -8 4475
77		8.8A	35 29.272	-0.0000	11	-8 4 39.49	-0.025	11	0.23	29.272	16	34.0	39.12	16	34.0	A2	16	5963	A -8 4476
78		9.3A	35 39.547	-0.0021	13	-3 2 24.33	0.001	13	0.27	39.581	16	34.0	24.35	16	34.0	A3	17	5928	A -2 4418
79		8.8A	35 39.913	0.0011	09	-1 7 18.54	-0.008	11	0.22	39.897	17	36.4	18.42	17	36.4	F5	21	4371K	A -1 3368
80		9.0A	35 43.434	-0.0015	11	-8 15 36.12	0.003	11	0.23	43.456	16	34.0	36.16	16	34.0	K0	16	5964	A -8 4478
81		8.7A	35 54.042	-0.0004	12	-8 48 48.05	-0.035	12	0.25	54.049	16	34.0	47.48	16	34.0	A0	17	5965	A -8 4479
82		8.5A	35 57.904	-0.0009	09	-4 36 31.95	-0.002	09	0.21	57.919	16	34.0	51.92	16	34.0	K0	17	5929	A -4 4321
83		9.2A	35 59.031	0.0014	09	-1 19 23.55	0.003	11	0.22	59.012	17	36.4	23.58	17	36.4	F0	21	4372K	A -1 3370
84		8.8A	36 8.753	-0.0018	13	-5 38 20.58	-0.072	13	0.27	8.782	16	34.0	19.42	16	34.0	F8	17	5930	A -5 4472
85		9.2A	36 16.583	-0.0031	09	-0 58 49.75	-0.013	11	0.22	16.625	17	36.4	49.56	17	36.4	K0	21	4373	A -0 3330
86		8.2A	36 23.225	0.0003	12	-9 29 12.72	-0.006	12	0.25	23.220	16	34.0	12.62	16	34.0	F8	17	5931	A -5 4475
87		9.1A	36 35.752	0.0012	11	-9 20 10.61	-0.021	11	0.23	35.732	16	34.0	10.27	16	34.0	F8	16	5966	A -9 4587
88		8.6A	36 52.000	-0.0012	09	-3 49 56.86	-0.012	09	0.21	52.018	16	34.0	56.66	16	34.0	A2	17	5932	A -5 4476
89		9.0A	36 56.701	-0.0027	13	-2 56 39.72	0.006	13	0.27	56.745	16	34.0	39.83	16	34.0	F8	17	5933	A -2 4422
90		9.0A	37 4.230	-0.0046	09	-1 17 42.03	-0.033	11	0.22	4.293	17	36.4	41.57	17	36.4	K0	21	4376	A -1 3373
91		8.0B	37 5.926	0.0008	12	-4 56 31.73	-0.002	11	0.54	5.889	18	05.6	31.64	18	03.6	F2	GC	23940K	-4 4324
92		9.1A	37 6.881	0.0009	09	-6 27 6.40	-0.058	09	0.21	6.867	16	34.0	5.47	16	34.0	G0	16	5967	A -6 4624
93		7.5T	37 7.732	0.0011	07	-4 56 29.98	0.006	05	0.39	7.670	14	95.1	30.37	14	87.1	F2	GC	23941K	-4 4325
94		8.9A	37 17.057	0.0001	11	-8 38 56.99	-0.010	11	0.23	17.056	16	34.0	56.83	16	34.0	K0	16	5968	A -8 4482
95		6.7T	37 23.224	-0.0002	07	-0 36 47.36	-0.012	07	0.41	23.224	12	95.8	46.70	12	96.9	A0	GC	23947K	B* -0 3338
96		9.0A	37 24.714	0.0006	13	-5 21 51.08	-0.020	13	0.27	24.704	16	34.0	50.76	16	34.0	G0 F	17	5936	A -5 4477
97		7.3A	37 31.994	-0.0014	08	-3 30 37.51	-0.004	08	0.21	32.016	16	34.0	37.44	16	34.0	F0	17	5937	A -3 4150
98		6.4T	37 35.655	-0.0017	08	-2 7 36.17	-0.019	08	0.23	35.721	09	10.9	35.40	10	08.2	M8	GC	23953	-2 4425
99		8.5A	37 38.657	0.0010	12	-8 4 5.00	0.008	12	0.25	38.641	16	34.0	5.14	16	34.0	K0	16	5969	A -8 4484
00		9.0A	37 54.010	-0.0016	13	-2 50 20.85	-0.010	13	0.27	54.036	16	34.0	20.70	16	34.0	K5	17	5939	A -2 4427

141800

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	CAT.	SOURCE STAR NUMBER	DM NUMBER
1		9.0A	17 37 56.644	-0.0022	09	-1 11 25.06	-0.024	11	0.22	56.674	17	36.4	24.73	17	36.4	F5 R	21	4381	A -1 3374
2		8.9A	37 56.676	-0.0006	09	-0 58 6.31	-0.030	11	0.22	56.684	17	36.4	5.89	17	36.4	A2	21	4382	A -0 3341
3		9.0A	37 59.848	-0.0025	12	-3 27 30.26	-0.015	12	0.25	59.887	16	34.0	30.03	16	34.0	F5	17	5940	A -3 4153
4		9.0A	38 6.512	-0.0025	09	-5 19 2.53	-0.099	09	0.21	6.552	16	34.0	0.94	16	34.0	G8 F	17	5941K	A -5 4480
5		9.0A	38 16.118	0.0001	09	-0 45 24.36	0.009	11	0.22	16.116	17	36.4	24.48	17	36.4	K0 R	21	4383	A -0 3344
6		9.4A	38 19.630	0.0006	12	-9 12 43.64	-0.103	12	0.25	19.621	16	33.6	41.94	16	33.6	G0 R	16	5970	A -9 4590
7		9.0A	38 27.151	0.0009	12	-6 25 50.64	0.017	12	0.25	27.136	16	34.0	50.91	16	34.0	G5	16	5971	A -6 4629
8		8.3A	38 28.372	-0.0012	13	-5 58 52.41	-0.018	13	0.27	28.390	16	34.0	52.12	16	34.0	A0	17	5942	A -5 4481
9		9.0A	38 29.131	0.0006	09	-1 53 14.68	-0.004	11	0.22	29.123	17	36.4	14.63	17	36.4	A2	21	4384	A -1 3376
10		8.3Q	38 30.249	-0.0012	11	-1 22 17.37	0.013	09	0.48	30.302	17	04.7	17.98	15	01.7	K0	GC	23975	-1 3377
11		8.9A	39 4.034	-0.0002	12	-7 38 48.96	0.018	12	0.25	4.037	16	34.0	49.24	16	34.0	A2	16	5973	A -7 4483
12		8.4A	39 4.779	0.0012	09	-0 39 12.49	-0.005	11	0.22	4.762	17	36.4	12.41	17	36.4	A0	21	4387	A -0 3346
13		8.9A	39 6.521	-0.0025	12	-9 42 39.95	-0.069	12	0.25	6.561	16	33.6	38.81	16	33.6	K2 R	16	5974	A -9 4591
14		9.2A	39 8.043	-0.0013	09	-1 51 57.74	-0.007	11	0.22	8.060	17	36.4	57.65	17	36.4	K2 R	21	4388	A -1 3379
15		8.7A	39 19.374	0.0005	11	-3 49 1.37	-0.028	11	0.23	19.366	16	34.0	0.93	16	34.0	G0	17	5944	A -3 4155
16		8.8A	39 30.383	0.0014	09	-4 15 24.97	-0.045	09	0.21	30.360	16	34.0	24.26	16	34.0	K0	17	5945	A -4 4330
17		8.7A	39 31.154	-0.0009	09	-8 2 53.79	-0.017	09	0.21	31.168	16	34.0	53.51	16	34.0	F0	16	5975	A -7 4485
18		9.2A	39 40.726	0.0018	11	-9 3 8.57	-0.052	11	0.23	40.696	16	34.0	7.73	16	34.0	K0	16	5976	A -9 4592
19		8.5A	39 45.716	-0.0013	13	-4 44 45.82	-0.028	13	0.27	45.737	16	34.0	45.37	16	34.0	A0	17	5946	A -4 4331
20		7.8A	39 52.953	-0.0004	13	-2 24 3.15	-0.019	13	0.27	52.959	16	34.0	2.84	16	34.0	G5	17	5948	A -2 4433
21		6.8T	39 55.714	0.0014	09	-4 49 36.23	0.004	10	0.51	55.635	12	95.2	36.46	12	95.9	M0	GC	24016	-4 4332
22		8.7A	39 58.048	-0.0011	13	-3 47 58.19	-0.019	13	0.27	58.066	16	34.0	38.08	16	34.0	A0	17	5949	A -3 4157
23		9.0A	40 4.313	-0.0068	12	-4 58 3.10	0.001	12	0.25	4.421	16	34.0	3.12	16	34.0	K2 F	17	5950	A -4 4333
24		9.2A	40 11.835	0.0015	09	-2 6 47.42	0.041	11	0.22	11.815	17	36.4	47.98	17	36.4	F5 R	21	4389	A -2 4435
25		7.8A	40 34.684	0.0009	13	-2 16 32.86	-0.019	13	0.27	34.669	16	34.0	32.55	16	34.0	K0	17	5951	A -2 4436
26		8.4A	40 38.647	-0.0015	12	-8 59 15.07	-0.012	11	0.24	38.871	16	34.0	14.87	16	34.0	K0	16	5977	A -8 4489
27		8.9A	40 45.545	-0.0007	13	-2 37 34.19	-0.010	13	0.27	45.557	16	34.0	34.04	16	34.0	A5	17	5952	A -2 4437
28		9.5A	40 54.624	-0.0019	11	-1 52 56.59	0.007	13	0.27	54.656	16	33.6	56.70	16	33.6	G0 R	17	5953	A -1 3382
29		8.8A	40 57.231	0.0003	11	-9 17 44.43	-0.009	11	0.23	57.286	16	34.0	44.28	16	34.0	G5	16	5978	A -9 4594
30		8.6A	41 0.279	-0.0006	13	-3 11 28.22	-0.100	13	0.27	0.289	16	34.0	26.62	16	34.0	G5	17	5954	A -3 4159
31		8.8A	41 2.985	-0.0010	09	-1 58 7.45	-0.002	11	0.22	2.998	17	36.4	7.41	17	36.4	F5	21	4392	A -1 3383
32		6.2T	41 4.999	-0.0003	10	-7 3 29.06	-0.008	07	0.53	5.016	14	91.8	28.54	15	87.8	B5	GC	24051	B* -7 4487
33		7.7T	41 6.239	-0.0086	10	-3 53 36.02	-0.249	10	0.52	6.669	14	99.8	23.78	14	00.8	G5	GC	24053	-3 4160
34		8.8A	41 15.407	0.0004	12	-6 14 52.19	0.004	12	0.25	15.400	16	34.0	52.25	16	34.0	BP	16	5981	A -6 4638
35		8.3A	41 17.125	-0.0016	12	-8 0 15.49	-0.015	12	0.25	17.150	16	34.0	15.25	16	34.0	G5	16	5980	A -8 4488
36		7.4A	41 20.118	0.0005	11	-5 54 29.81	-0.005	11	0.23	20.110	16	34.0	29.73	16	34.0	K0	17	5957	A -5 4488
37		9.1A	41 22.446	0.0011	11	-9 47 23.24	0.010	11	0.23	22.428	16	34.0	23.40	16	34.0	A2	16	5982	A -9 4595
38		8.8A	41 24.367	0.0009	13	-4 32 18.72	0.004	13	0.27	24.352	16	34.0	18.79	16	34.0	A5 F	17	5958	A -4 4339
39		8.0A	41 24.920	-0.0001	09	-1 47 9.87	0.000	11	0.22	24.921	17	36.4	9.87	17	36.4	A0	21	4393	A -1 3384
40		9.0A	41 34.887	0.0007	12	-6 30 19.36	-0.102	12	0.25	34.875	16	34.0	17.72	16	34.0	F8	16	5984	A -6 4641
41		9.2A	41 47.900	-0.0033	13	-3 49 47.61	-0.007	13	0.27	47.954	16	33.6	47.50	16	33.6	K5 R	17	5959	A -3 4164
42		8.9A	41 48.760	-0.0000	12	-6 36 34.59	0.010	12	0.25	48.760	16	34.0	34.75	16	34.0	A0	16	5986	A -6 4643
43		9.0A	41 50.109	-0.0003	09	-2 3 33.44	-0.002	11	0.22	50.113	17	36.4	33.42	17	36.4	K0	21	4395	A -2 4439
44		8.5A	41 51.385	-0.0003	11	-7 50 8.63	0.005	11	0.23	51.390	16	34.0	8.71	16	34.0	MB	16	5987	A -7 4492
45		7.9A	41 52.492	-0.0035	11	-7 23 14.48	-0.033	11	0.23	52.548	16	34.0	13.94	16	34.0	G5	16	5989	A -7 4493
46		8.8A	41 53.024	-0.0002	11	-8 45 15.20	0.002	11	0.23	53.026	16	33.6	15.23	16	33.6	K0 R	16	5988	A -8 4493
47		8.0A	42 5.934	-0.0002	09	-1 43 11.72	-0.002	11	0.22	5.936	17	36.4	11.68	17	36.4	K2	21	4396	A -1 3386
48		8.9A	42 14.944	-0.0015	12	-2 56 28.64	-0.002	12	0.25	14.967	16	34.0	28.61	16	34.0	A0	17	5962	A -2 4441
49		9.0A	42 15.879	-0.0046	12	-4 55 39.14	-0.188	11	0.24	15.955	16	33.6	36.06	16	33.6	K0 R	17	5961	A -4 4341
50		8.5A	42 16.770	-0.0008	09	-0 6 53.52	-0.015	11	0.22	16.781	17	36.4	53.32	17	36.4	A0	21	4397	A -0 3352
51		8.2A	17 42 22.396	0.0004	11	-9 47 43.48	-0.021	11	0.23	22.389	16	34.0	43.13	16	34.0	B	16	5990	A -9 4598
52		9.1A	42 35.641	-0.0001	09	-1 27 54.79	-0.026	11	0.22	35.642	17	36.4	54.43	17	36.4	K2 R	21	4398	A -1 3387
53		7.3A	42 36.559	-0.0001	09	-2 44 33.26	-0.024	09	0.21	36.561	16	34.0	32.88	16	34.0	A0	17	5963	A -2 4443
54		9.0A	42 45.668	0.0001	09	-0 24 41.91	-0.042	11	0.22	45.667	17	36.4	41.34	17	36.4	K2 R	21	4399	A -0 3353
55		7.6A	42 56.354	0.0007	09	-3 29 7.04	0.019	09	0.21	56.343	16	34.0	7.35	16	34.0	A0	17	5965K	A -3 4168
56		8.6A	42 57.194	-0.0007	11	-4 22 40.05	-0.026	11	0.23	57.205	16	34.0	39.64	16	34.0	B9	17	5964K	A -4 4346
57		9.3A	43 38.898	0.0011	11	-6 48 58.50	-0.026	11	0.23	38.879	16	33.6	58.07	16	33.6	K5 R	16	5991	A -6 4646
58		8.9A	43 40.047	-0.0010	09	-1 7 54.77	0.001	11	0.22	40.060	17	36.4	54.76	17	36.4	B8	21	4402	A -1 3388
59		7.3T	43 48.633	-0.0007	09	-7 57 55.88	-0.147	09	0.50	48.669	14	98.1	48.34	14	98.8	G5	GC	24117	-7 4497
60		8.9A	43 53.477	0.0019	09	-4 27 42.81	-0.003	09	0.21	53.447	16	34.0	42.76	16	34.0	G0	17	5966K	A -4 4349
61		7.5A	43 55.560	-0.0029	11	-2 50 33.54	-0.052	11	0.23	55.607	16	34.0	32.72	16	34.0	K2	17	5967	A -2 4446
62		9.5A	43 56.139	0.0027	11	-8 0 21.35	0.019	11	0.23	56.095	16	34.0	21.65	16	34.0	G0	16	5993	A -7 4498
63		8.2A	43 57.038	0.0010	09	-3 53 21.25	0.010	09	0.21	57.022	16	34.0	21.42	16	34.0	F8	17	5968K	A -3 4171
64		9.0A	44 0.925	-0.0029	12	-2 15 54.15	-0.019	12	0.25	0.971	16	34.0	53.85	16	34.0	K5	17	5969	A -2 4448
65		8.4A	44 3.298	0.0019	13	-4 2 7.75	-0.003	13	0.27	3.267	16	34.0	7.71	16	34.0	A3	17	5970	A -3 4172
66		8.4Q	44 4.275	0.0000	08	-1 11 48.85	-0.000	06	0.39	4.273	17	00.5	48.83	14	92.1	G0	GC	24124K	B* -1 3389
67		9.1A	44 7.469	-0.0007	13	-2 51 55.43	-0.045	13	0.27	7.481	16	33.6	54.70	16	33.6	K2 R	17	5971	A -2 4449
68		8.3A	44 8.694	0.0001	12	-6 50 41.77	0.011	12	0.25	8.693	16	34.0	41.94	16	34.0	K2	16	5995	A -6 4647
69		9.2A	44 9.520	0.0021	11	-9 5 35.76	0.016	11	0.23	9.486	16	34.0	36.01	16	34.0	G0	16	5994	A -9 4601
70		8.0A	44 17.212	-0.0054	09	-6 11 25.39	-0.120	09	0.21	17.299	16	34.0	23.46	16	34.0	G5	17	5972	A -6 4648
71		7.8A	44 18.015	-0.0017	09	-1 42 7.49	0.015	11	0.22	18.037	17	36.4	7.70	17	36.4	K2	21	4405	A -1 3391
72		8.3A	44 26.492	0.0047	12	-8 3 18.50	-0.002	12	0.25	26.417	16	34.0	18.47	16	34.0	G5	16	5997	A -8 4498
73		8.8A	44 28.127	0.0009	11	-8 32 23.89	-0.018	11	0.23	28.113	16	34.0	23.60	16	34.0	A0	16	5998	A -8 4499
74		9.2A	44 33.530	-0.0005	09	-1 1 10.68	-0.027	11	0.22	33.537	17	36.4	10.30	17	36.4	F0 R	21	4406	A -0 3359
75		8.9A	44 44.558	-0.0006	09	-1 5 28.90	-0.056	11	0.22	44.566	17	36.4	28.13	17	36.4	F8	21	4407	A -1 3392
76		8.8A	44 46.579	-0.0008	09	-1 15 34.95	-0.024	11	0.22	46.590	17	36.4	34.61	17	36.4	A0	21	4408	A -1 3393
77		9.0A	44 47.741	-0.0003	13	-5 1 59.49	-0.015	13	0.27	47.737	16	34.0	59.25	16	34.0	K0	17	5973	A -4 4351
78		8.8A	44 56.062	-0.0015	11	-6 32 56.83	-0.003	11	0.23	56.086	16	34.0	56.78	16	34.0	B9	16	5999	A -6 4651
79		9.0A	45 0.985	-0.0003	09	-1 29 54.74	-0.008	11	0.22	0.989	17	36.5	54.62	17	36.5	A0	21	4409	A -1 3394
80		9.1A	45 1.507	-0.0092	11	-9 35 8.65	-0.204	11	0.23	1.655	16	34.0	5.38	16	34.0	G0	16	6000	A -9 4604
81		8.5A	45 4.365	-0.0017	09	-3 37 38.20	-0.013	09	0.21	4.393	16	34.0	37.99	16	34.0	MB	17	5974	A -3 4177
82		9.2A	45 28.115	-0.0011	09	-1 59 6.27	0.007	11	0.22	28.130	17	36.5	6.36	17	36.5	B9	21	4410	A -1 3396
83		9.0A	45 31.613	-0.0006	12	-8 36 57.32	0.026	12	0.25	31.622	16	33.6	57.74	16	33.6	K0 R	16	6001	A -8 4503
84		7.6A	45 41.099	-0.0007	09	-1 0 2.96	-0.021	11	0.22	41.109	17	36.5	2.68	17	36.5	K5	21	4412	A -0 3361
85		9.2A	45 41.902	-0.0016	09	-1 34 11.97	-0.017	11	0.22	41.923	17	36.5	11.73	17	36.5	A5 R	21	4411	A -1 3397
86		7.6T	45 43.323	0.0003	09	-1 47 33.28	0.000	07	0.43	43.306	15	00.5	33.30	14	97.8	A2	GC	24170	-1 3398
87		9.2A	45 53.957	0.0002	11	-6 41 50.36	-0.015	11	0.23	53.953	16	34.0	50.12	16	34.0	G0	16	6003	A -6 4653
88		9.0A	45 55.572	-0.0009	12	-9 37 11.23	-0.044	12	0.25	55.586	16	33.6	10.50	16	33.6	K2 R	16	6002	A -9 4606
89		8.0A	46 0.569	0.0017	13	-2 10 50.91	0.005	13	0.27	0.541	16	34.0	51.00	16	34.0	B0	17	5975	A -2 4458
90		9.6A	46 7.270	-0.0004	11	-9 30 52.50	-0.037	11	0.23	7.277	16	33.6	51.89	16	33.6	A0 R	16	6004	A -9 4607
91		8.8A	46 17.550	-0.0030	09	-1 51 17.46	-0.029	11	0.22	17.590	17	36.5	17.06	17	36.5	F8	21	4418K	A -1 3400
92		8.5A	46 44.457	-0.0020	12	-7 46 11.07	-0.073	12	0.25	44.488	16	34.0	9.90	16	34.0	K0	16	6006	A -7 4508
93		9.1A	46 44.582	-0.0009	12	-8 48 31.75	-0.033	12	0.25	44.595	16	34.0	31.22	16	34.0	A3	16	6005	A -8 4506
94		8.5A	46 56.939	-0.0000	09	-2 12 53.65	0.005	09	0.21	56.939	16	34.0	53.72	16	34.0	MA	17	5977	A -2 4461
95		9.1A	47 5.442	0.0001	09	-0 44 56.75	-0.028	11	0.22	5.441	17	36.5	56.36	17	36.5	A0	21	4422	A -0 3365
96		8.8A	47 14.787	-0.0021	11	-8 59 27.98	-0.002	11	0.23	14.822	16	34.0	27.94	16	34.0	K5	16	6007	A -8 4509
97		9.2A	47 17.663	-0.0027	09	-1 36 19.56	-0.021	11	0.22	17.700	17	36.5	19.28	17	36.5	F8	21	4423	A -1 3403
98		9.0A	47 28.069	0.0001	09	-2 31 23.21	0.019	09	0.22	28.067	16	33.6	23.33	16	33.6	K0 R	17	5978	A -2 4465
99		8.9A	47 31.004	-0.0007	12	-6 46 34.68	-0.022	12	0.25	31.016	16	34.0	34.32	16	34.0	K0	16	6008	A -6 4660
00		8.2A	47 34.720	-0.0007	09	-0 39 55.36	-0.023	11	0.22	34.730	17	36.5	55.05	17	36.5	B8	21	4425	A -0 3366

SOURCE CAT. 21 — STAR NUMBER 4381 — DM NUMBER A -1 3374

- 0° 17H

141900

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	EPOCH 1950 μ s	EPOCH 1950 σ_μ .001"	EPOCH 1950 δ_{1950} ° ′ ″	EPOCH 1950 μ' ″	EPOCH 1950 $\sigma_{\mu'}$ .001"	EPOCH 1950 σ_{1950} ″	ORIGINAL EPOCH α_2 s	ORIGINAL EPOCH σ .01	ORIGINAL EPOCH ep.	ORIGINAL EPOCH δ_2 ″	ORIGINAL EPOCH σ' .01	ORIGINAL EPOCH ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	DM NUMBER
																			- 0° 17H
1		8.8A	17 47 47.557	-0.0003	09	-7 16 6.04	-0.024	09	0.21	47.562	16	34.0	5.65	16	34.0	F8	16	6009	A -7 4510
2		8.2A	48 5.495	0.0001	09	-5 19 2.04	-0.018	09	0.21	5.494	16	34.0	1.75	16	34.0	A3	17	5979	A -5 4509
3		9.0A	48 18.638	0.0055	12	-6 52 54.85	-0.055	12	0.25	18.550	16	34.0	53.96	16	34.0	G0	16	6010	A -6 4664
4		9.0A	48 23.186	-0.0009	09	-2 50 43.18	0.013	09	0.21	23.200	16	34.0	43.40	16	34.0	F8	17	5980	A -2 4469
5		9.3A	48 25.410	0.0012	11	-8 19 6.63	-0.015	11	0.23	25.391	16	34.0	6.38	16	34.0	F5	16	6011	A -8 4513
6		8.7A	48 29.449	0.0014	09	-4 10 20.18	0.001	09	0.21	29.426	16	34.0	20.20	16	34.0	A2	17	5981	A -4 4360
7		9.0A	48 49.848	-0.0011	09	-0 32 3.73	-0.049	11	0.22	49.862	17	36.5	3.07	17	36.5	F2	21	4426	A -0 3371
8		9.1A	48 53.644	-0.0004	09	-1 7 56.23	-0.007	11	0.22	53.649	17	36.5	56.13	17	36.5	K0	21	4427	A -1 3411
9		8.4A	48 54.727	-0.0001	12	-6 51 4.86	0.007	12	0.25	54.729	16	34.0	4.97	16	34.0	K5	16	6012	A -6 4667
10		8.4A	49 1.324	0.0001	11	-6 14 54.56	-0.017	11	0.23	1.323	16	34.0	54.28	16	34.0	A0	16	6013	A -6 4669
11		8.0A	49 6.264	-0.0001	13	-4 13 10.58	0.012	13	0.27	6.266	16	34.0	10.78	16	34.0	A0	17	5983	A -4 4363
12		8.6A	49 15.341	0.0022	11	-9 58 0.21	-0.010	11	0.23	15.306	16	34.0	0.05	16	34.0	A3	16	6014	A -9 4616
13		6.5T	49 24.212	-0.0012	05	-1 13 32.04	-0.001	09	0.21	24.239	06	09.5	31.98	06	09.2	K0	GC	24271	-1 3412
14		7.8A	49 24.270	-0.0014	11	-4 45 56.18	-0.024	11	0.23	24.292	16	34.0	55.80	16	34.0	B8	17	5984	A -4 4365
15		9.1A	49 25.046	0.0006	12	-6 23 47.71	0.022	12	0.25	25.036	16	34.0	48.06	16	34.0	A0	16	6015	A -6 4671
16		9.1A	49 28.632	0.0006	09	-2 59 17.30	-0.002	09	0.21	28.622	16	34.0	17.27	16	34.0	F0	F 17	5985	A -2 4476
17		9.1A	49 34.705	-0.0166	11	-7 33 15.76	0.338	11	0.23	34.971	16	34.0	21.17	16	34.0	K5	16	6016	A -7 4513
18		8.5A	49 38.361	-0.0015	13	-5 25 11.06	-0.008	13	0.27	38.384	16	34.0	10.93	16	34.0	B9	17	5986	A -5 4514
19		8.5A	49 42.040	-0.0014	13	-3 0 46.21	-0.002	13	0.27	42.062	16	34.0	46.18	16	34.0	G5	17	5987	A -2 4477
20		9.0A	49 46.774	-0.0006	12	-5 43 0.45	0.008	12	0.25	46.783	16	34.0	0.58	16	34.0	A0	17	5988	A -5 4516
21		7.3A	49 46.841	-0.0023	09	-1 25 9.22	-0.024	11	0.22	46.872	17	36.5	8.89	17	36.5	A2	21	4432	A -1 3413
22		8.8A	49 50.005	-0.0006	11	-7 32 17.90	-0.025	11	0.23	50.015	16	34.0	17.50	16	34.0	K5	16	6017	A -7 4514
23		8.3A	49 51.456	-0.0007	12	-3 58 51.29	0.006	12	0.25	51.468	16	34.0	51.39	16	34.0	A2	17	5989	A -3 4189
24		8.8A	49 54.516	-0.0023	13	-5 18 29.58	0.014	13	0.27	54.478	16	34.0	29.80	16	34.0	G0	17	5990K	A -5 4517
25		6.9T	49 57.226	-0.0001	12	-5 15 3.39	-0.004	10	0.61	57.231	15	96.7	3.17	14	94.1	K0	GC	24287	-5 4519
26		6.2I	49 57.778	0.0003	11	-6 7 59.02	-0.010	11	0.61	57.762	14	95.2	58.46	12	94.9	G0P	GC	24288V	B* -6 4672
27		8.0A	49 58.166	-0.0005	13	-3 10 23.29	-0.010	13	0.27	58.174	16	34.0	23.14	16	34.0	B9	17	5993	A -3 4192
28		8.9A	49 58.788	0.0003	09	-1 29 59.45	-0.007	11	0.22	58.784	17	36.5	59.35	17	36.5	K5	21	4433	A -1 3414
29		8.8A	49 59.300	-0.0004	09	-0 6 37.53	-0.016	11	0.22	59.305	17	36.5	37.31	17	36.5	A3	21	4434	A -0 3374
30		9.6A	50 0.459	-0.0001	12	-7 56 30.09	-0.070	12	0.25	0.460	16	34.0	28.96	16	34.0	G5	16	6019	A -7 4515
31		9.2A	50 0.811	-0.0006	09	-7 56 13.95	-0.057	09	0.21	0.821	16	34.0	13.03	16	34.0	G5	16	6020	A -7 4515
32		7.3A	50 9.676	0.0003	13	-3 33 12.70	0.026	13	0.27	9.671	16	34.0	13.12	16	34.0	K2	17	5994	A -3 4193
33		7.8A	50 12.166	0.0019	13	-5 20 26.06	-0.017	13	0.27	12.136	16	34.0	25.79	16	34.0	K0	17	5995	A -5 4521
34		8.8A	50 12.726	-0.0011	13	-3 36 16.87	0.000	13	0.27	12.744	16	34.0	16.88	16	34.0	F0	17	5996	A -3 4194
35		7.6T	50 15.841	-0.0034	08	-7 54 21.08	-0.256	06	0.48	16.043	14	90.5	4.42	12	85.0	G5	GC	24300K	B* -7 4517
36		8.5A	50 18.016	0.0000	09	-0 1 38.79	-0.004	11	0.22	18.016	17	36.5	38.74	17	36.5	A0	21	4435	A -0 3375
37		8.4A	50 22.028	-0.0014	11	-8 51 2.66	-0.013	11	0.23	22.050	16	34.0	2.45	16	34.0	A0	16	6022	A -8 4517
38		8.2Q	50 22.990	0.0008	10	-2 14 51.35	-0.009	06	0.44	22.949	15	01.0	50.86	15	92.4	K0	GC	24305K	-2 4480
39		7.5A	50 26.648	-0.0042	13	-2 34 7.45	-0.050	13	0.27	26.715	16	34.0	6.66	16	34.0	WC	17	5999	A -2 4482
40		8.7A	50 27.057	-0.0019	11	-2 56 0.41	-0.024	13	0.25	27.088	16	34.0	0.04	16	34.0	K2	17	5998	A -2 4481
41		8.8A	50 31.006	0.0047	20	-4 17 6.44	-0.012	20	0.35	30.931	16	34.0	6.26	16	34.0	K2	17	6000	A -4 4366
42		6.9T	50 34.545	-0.0008	13	-5 55 6.77	-0.024	12	0.66	34.587	15	98.2	5.53	15	98.6	K0	GC	24313K	-5 4523
43		9.3A	50 42.871	-0.0003	09	-0 58 53.14	0.024	11	0.22	42.875	17	36.5	53.46	17	36.5	K2	R 21	4439	A -0 3377
44		8.6A	50 43.643	-0.0003	09	-2 4 8.97	-0.010	11	0.22	43.646	17	36.5	8.83	17	36.5	A0	21	4438	A -2 4485
45		9.0A	50 48.507	-0.0006	12	-2 37 12.14	-0.002	12	0.25	48.517	16	34.0	12.11	16	34.0	A8	F 17	6003	A -2 4486
46		7.3A	50 50.779	0.0011	12	-8 41 56.13	-0.004	12	0.25	50.761	16	34.0	56.06	16	34.0	F0	16	6024	A -8 4520
47		8.9A	50 53.565	0.0019	11	-8 45 1.53	-0.025	11	0.23	53.535	16	34.0	1.13	16	34.0	A5	16	6025	A -8 4521
48		9.0A	50 54.041	-0.0033	09	-3 54 18.46	-0.055	09	0.21	54.004	16	34.0	17.58	16	34.0	K0	17	6004	A -3 4198
49		8.8A	51 8.538	-0.0004	09	-2 45 48.60	-0.011	09	0.21	8.544	16	34.0	48.44	16	34.0	F8	17	6005	A -2 4487
50		8.5A	51 18.185	-0.0003	13	-3 6 32.62	-0.020	13	0.27	18.190	16	34.0	32.31	16	34.0	K2	17	6006	A -3 4199
51		9.1A	17 51 23.161	-0.0010	09	-0 52 26.83	-0.017	11	0.22	23.174	17	36.5	26.60	17	36.5	K0	21	4440	A -0 3380
52		6.5T	51 28.033	-0.0012	08	-1 36 36.18	-0.010	07	0.43	28.098	14	95.1	35.59	14	94.3	A0	GC	24335	-1 3416
53		7.9A	51 37.271	0.0003	09	-4 12 11.35	0.016	09	0.21	37.267	16	34.0	11.62	16	34.0	K5	17	6007	A -4 4371
54		7.2T	51 51.944	0.0004	10	-3 27 8.69	-0.160	09	0.49	51.922	12	00.8	0.61	14	99.4	F5	GC	24348	-3 4200
55		9.2A	52 11.618	0.0041	15	-5 3 41.95	-0.054	15	0.29	11.552	16	34.0	41.08	16	34.0	K0	F 17	6009	A -5 4531
56		6.9H	52 15.012	-0.0033	03	-7 43 31.53	-0.054	03	0.09	15.099	04	23.4	30.03	04	22.3	G5	F4	1467	-7 4523
57		9.1A	52 21.524	0.0004	11	-9 50 50.91	-0.015	11	0.23	21.517	16	34.0	50.67	16	34.0	A2	16	6028	A -9 4620
58		8.3A	52 27.241	0.0009	12	-7 27 52.23	-0.002	12	0.25	27.227	16	34.0	52.20	16	34.0	A0	16	6029	A -7 4524
59		9.2A	52 31.021	0.0000	09	-0 13 11.92	-0.020	11	0.22	31.021	17	36.5	11.65	17	36.5	G5	21	4446	A -0 3382
60		8.6A	52 33.449	-0.0003	09	-1 43 20.32	-0.009	11	0.22	33.453	17	36.5	20.20	17	36.5	A3	21	4445	A -1 3418
61		8.3A	52 54.926	-0.0009	11	-5 2 59.11	-0.012	11	0.23	54.941	16	34.0	58.91	16	34.0	K0	17	6010	A -5 4534
62		9.2A	52 55.760	0.0010	12	-9 1 30.67	-0.004	12	0.25	55.744	16	33.6	30.60	16	33.6	F0	R 16	6030	A -8 4527
63		8.5A	53 16.033	-0.0010	09	-2 45 56.45	-0.006	09	0.21	16.049	16	34.0	56.37	16	34.0	A0	17	6011	A -2 4500
64		8.9A	53 22.948	-0.0012	09	-0 52 25.37	0.001	11	0.22	22.964	17	36.5	25.38	17	36.5	K2	21	4449	A -0 3385
65		8.1A	53 27.061	-0.0011	11	-6 39 56.62	0.002	12	0.24	27.078	16	34.0	56.65	16	34.0	F2	16	6031	A -6 4678
66		8.7A	53 31.917	-0.0030	09	-1 24 13.71	-0.011	11	0.22	31.957	17	36.5	13.55	17	36.5	MA	21	4450	A -1 3419
67		9.0A	53 32.407	0.0013	12	-7 22 55.33	-0.028	12	0.25	32.386	16	34.0	54.88	16	34.0	A2	16	6032	A -7 4531
68		7.3A	53 35.889	-0.0013	11	-4 34 12.10	-0.021	11	0.23	35.910	16	34.0	11.76	16	34.0	B9	17	6012	A -4 4374
69		9.5A	53 39.206	-0.0011	12	-7 2 4.01	-0.044	12	0.25	39.223	16	34.0	3.30	16	34.0	A0	16	6034	A -7 4532
70		8.0A	53 39.816	-0.0023	09	-5 18 33.26	0.018	09	0.21	39.853	16	34.0	33.55	16	34.0	K5	17	6013	A -5 4537
71		9.0A	53 41.654	0.0001	09	-1 28 0.51	-0.026	11	0.22	41.652	17	36.5	0.15	17	36.5	F0	R 21	4451	A -1 3421
72		9.1A	53 43.113	-0.0013	12	-9 36 23.19	0.026	12	0.25	43.134	16	34.0	23.60	16	34.0	F8	16	6035	A -9 4621
73		8.5A	53 46.837	0.0006	12	-6 32 44.28	-0.001	12	0.25	46.829	16	34.0	44.26	16	34.0	K2	16	6036	A -6 4679
74		8.2A	53 51.423	0.0003	13	-2 48 11.82	-0.017	13	0.27	51.418	16	34.0	11.56	16	34.0	A2	17	6014	A -2 4504
75		9.0A	53 54.498	-0.0013	09	-2 13 54.62	0.010	09	0.21	54.518	16	34.0	54.79	16	34.0	F8	17	6015	A -2 4505
76		8.2A	53 58.742	0.0008	11	-9 0 29.12	-0.102	11	0.23	58.730	16	34.0	27.48	16	34.0	G0	16	6037	A -8 4529
77		9.3Q	54 1.843	-0.0002	13	-1 23 13.07	0.007	16	0.69	1.850	17	03.6	13.36	18	05.4	A2	GC	24396	-1 3423
78		9.0A	54 7.875	0.0005	12	-7 42 56.69	0.015	12	0.25	7.866	16	34.0	56.93	16	34.0	A2	16	6038	A -7 4533
79		5.6T	54 9.201	-0.0010	04	-4 4 34.66	-0.009	04	0.22	9.250	10	00.4	34.24	09	02.0	K0	GC	24398	B* -4 4376
80		8.9A	54 16.909	0.0009	12	-6 40 25.43	-0.028	12	0.25	16.895	16	33.6	24.97	16	33.6	G0	16	6039	A -6 4681
81		8.8A	54 24.192	0.0003	12	-6 41 4.45	-0.038	12	0.25	24.188	16	33.6	3.82	16	33.6	A0	16	6040	A -6 4682
82		8.5A	54 25.034	0.0019	12	-7 16 6.76	-0.034	12	0.25	25.003	16	33.6	6.20	16	33.6	K2	16	6041	A -7 4534
83		7.6A	54 26.654	0.0033	12	-8 3 48.42	0.005	12	0.25	26.601	16	33.6	48.50	16	33.6	G0	16	6042	A -8 4531
84		9.0A	55 4.142	-0.0049	09	-1 34 2.68	-0.150	11	0.22	4.208	17	36.5	0.66	17	36.5	G0	21	4457	A -1 3425
85		8.9A	55 5.188	0.0007	09	-2 40 47.09	-0.009	09	0.22	5.177	16	33.6	46.95	16	33.6	K5	R 17	6017	A -2 4509
86		9.0A	55 7.683	-0.0015	12	-9 19 13.60	-0.058	12	0.25	7.707	16	33.6	12.64	16	33.6	G0	16	6043	A -9 4624
87		8.4A	55 10.597	0.0003	09	-1 45 39.71	-0.014	11	0.22	10.593	17	36.5	39.52	17	36.5	K5	21	4458	A -1 3426
88		9.4A	55 12.793	-0.0038	11	-9 47 28.45	-0.096	11	0.23	12.854	16	33.6	26.87	16	33.6	G0	16	6044	A -9 4625
89		8.7A	55 13.568	0.0004	13	-5 40 54.58	-0.020	13	0.27	13.581	16	33.6	54.25	16	33.6	F2	17	6018	A -5 4541
90		9.2A	55 15.455	-0.0009	12	-4 36 35.89	-0.002	12	0.25	15.469	16	33.6	35.86	16	33.6	G0	R 17	6019	A -4 4379
91		9.0A	55 20.247	-0.0007	13	-2 51 16.34	-0.011	13	0.27	20.258	16	33.6	16.17	16	33.6	G8	F 17	6020	A -2 4510
92		9.3A	55 23.819	0.0002	12	-9 6 8.87	-0.054	12	0.25	23.815	16	33.6	7.98	16	33.6	F8	16	6045	A -9 4626
93		8.3A	55 34.562	-0.0001	13	-2 8 57.20	-0.036	13	0.27	34.564	16	33.6	56.60	16	33.6	F5	17	6021	A -2 4511
94		9.1A	55 45.454	-0.0009	09	-1 58 4.71	-0.027	11	0.22	45.466	17	36.5	4.33	17	36.5	A5	R 21	4460	A -1 3427
95		7.9A	55 55.130	-0.0034	12	-8 30 56.82	-0.091	12	0.25	55.186	16	33.6	55.32	16	33.6	F8	16	6046	A -8 4534
96		9.4A	56 2.011	-0.0008	09	-0 28 19.73	-0.038	11	0.22	2.022	17	36.5	19.22	17	36.5	G5	21	4461	A -0 3392
97		9.0A	56 2.609	0.0015	12	-6 14 7.21	-0.006	12	0.25	2.584	16	33.6	7.11	16	33.6	F5	16	6048	A -6 4685
98		8.6A	56 4.780	-0.0016	12	-8 43 36.36	-0.043	12	0.25	4.806	16	33.6	35.65	16	33.6	A2	16	6047	A -8 4535
99		8.9A	56 5.039	-0.0004	09	-0 34 43.31	-0.025	11	0.22	5.044	17	36.5	42.97	17	36.5	K5	21	4462	A -0 3393
00		7.5A	56 5.777	-0.0016	11	-5 25 17.52	-0.037	11	0.23	5.803	16	33.6	16.91	16	33.6	K2	17	6022	A -5 4542

142000

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	SOURCE CAT.	STAR NUMBER	DM NUMBER
1		8.8A	17 56 10.014	-0.0001	12	-8 56 15.21	-0.014	12	0.25	10.016	16	33.6	14.97	16	33.6	A2	16	6049	A -8 4536
2		8.9A	56 10.462	-0.0000	12	-9 0 55.61	-0.008	12	0.25	10.462	16	33.6	55.47	16	33.6	K0	16	6050	A -9 4631
3		8.8A	56 15.219	-0.0007	09	-3 30 42.34	0.016	09	0.22	15.230	16	33.6	42.61	16	33.6	A3	17	6023	A -3 4212
4		3.5H	56 16.332	-0.0006	01	-9 46 9.10	-0.119	01	0.04	16.354	02	13.3	4.72	02	13.1	K0	F4	673	-9 4632
5		7.8A	56 20.393	-0.0009	12	-6 38 29.00	-0.002	12	0.25	20.408	16	33.6	28.96	16	33.6	K5	16	6052	A -6 4686
6		8.9A	56 24.619	-0.0009	13	-2 41 20.04	-0.002	13	0.27	24.633	16	33.6	20.02	16	33.6	B9	17	6025	A -2 4518
7		7.5T	56 24.965	0.0032	10	-5 2 42.40	-0.036	08	0.52	24.789	17	95.1	40.37	15	93.5	F8	GC	24470	-5 4543
8		8.6Q	56 36.229	-0.0007	10	-6 51 11.89	-0.004	06	0.43	36.261	17	03.8	11.65	15	94.5	B9	GC	24479K	B* -6 4689
9		8.8A	56 41.735	0.0000	12	-8 19 38.47	-0.034	12	0.25	41.734	16	33.6	37.91	16	33.6	F8	16	6055	A -8 4538
10		8.2A	56 41.776	0.0010	09	-6 6 31.89	0.025	09	0.22	41.760	16	33.6	32.30	16	33.6	MA	17	6026	A -6 4690
11		8.8A	56 43.238	-0.0056	13	-3 43 27.37	-0.065	13	0.27	43.330	16	33.6	26.31	16	33.6	G8	F 17	6027	A -3 4213
12		6.0T	56 57.314	-0.0012	08	-4 49 4.54	-0.094	07	0.44	57.378	12	95.3	-59.31	12	94.3	K0	GC	24487	-4 4384
13		9.2A	57 1.199	0.0009	12	-7 14 6.84	-0.013	12	0.25	1.184	16	33.6	6.62	16	33.6	F0	16	6057	A -7 4538
14		8.9A	57 5.560	-0.0009	13	-2 36 16.05	-0.010	13	0.27	5.575	16	33.6	15.90	16	33.6	B9	17	6029	A -2 4523
15		9.3A	57 13.600	0.0024	12	-7 30 1.97	0.006	11	0.24	13.561	16	33.6	2.06	16	33.6	F0	16	6058	A -7 4540
16		8.9A	57 14.294	0.0022	13	-5 24 54.18	-0.091	13	0.27	14.257	16	33.6	52.68	16	33.6	F5	17	6030	A -5 4550
17		9.0A	57 14.536	-0.0042	12	-6 58 31.49	-0.053	12	0.25	14.605	16	33.6	30.61	16	33.6	K0	16	6059	A -6 4692
18		9.0A	57 18.381	-0.0010	11	-3 48 33.68	0.005	13	0.25	18.397	16	33.6	33.77	16	33.6	A0	F 17	6031	A -3 4216
19		8.7A	57 18.789	-0.0008	09	-1 9 50.73	-0.007	11	0.22	18.800	17	36.5	50.63	17	36.5	B9	21	4465	A -1 3431
20		8.5A	57 21.493	-0.0015	13	-2 27 41.95	-0.027	13	0.27	21.517	16	33.6	41.52	16	33.6	F5	17	6032	A -2 4525
21		9.0A	57 35.524	-0.0013	12	-9 30 40.39	-0.047	12	0.25	35.546	16	33.6	39.62	16	33.6	F8	16	6060	A -9 4637
22		9.0A	57 38.625	-0.0018	09	-1 41 25.40	-0.036	11	0.22	38.649	17	36.5	24.90	17	36.5	F2	21	4466	A -1 3432
23		8.7A	57 41.327	-0.0017	12	-7 56 36.46	-0.029	12	0.25	41.355	16	33.6	35.98	16	33.6	F8	16	6061	A -7 4541
24		8.5A	57 42.334	0.0005	12	-6 36 53.45	-0.005	12	0.25	42.326	16	33.6	53.36	16	33.6	A0	16	6062	A -6 4693
25		4.6T	57 50.377	0.0096	03	-3 41 19.04	-0.046	03	0.19	49.869	10	97.3	16.57	09	96.0	F0	GC	24503	B* -3 4217
26		8.6A	57 52.753	-0.0010	12	-7 31 32.15	-0.000	12	0.25	52.769	16	33.6	32.14	16	33.6	F8	16	6063	A -7 4543
27		8.0A	57 55.863	0.0002	12	-3 58 42.25	0.014	12	0.25	55.859	16	33.6	42.49	16	33.6	K2	17	6034	A -3 4219
28		8.0A	57 56.817	-0.0011	12	-2 18 17.85	0.005	12	0.25	56.835	16	33.6	17.92	16	33.6	B9	17	6035	A -2 4528
29		8.8A	58 5.805	0.0009	12	-7 33 21.75	-0.003	12	0.25	5.791	16	33.6	21.70	16	33.6	K0	16	6064	A -7 4544
30		9.1A	58 12.220	0.0002	12	-8 28 32.83	-0.019	12	0.25	12.217	16	33.6	32.52	16	33.6	A2	16	6065	A -8 4542
31		8.8A	58 13.804	0.0007	13	-5 18 40.71	-0.011	13	0.27	13.793	16	33.6	40.52	16	33.6	G0	R 17	6036	A -5 4555
32		7.3A	58 20.406	0.0005	13	-2 34 40.45	-0.037	13	0.27	20.398	16	33.6	39.85	16	33.6	K0	17	6039	A -2 4529
33		8.8A	58 21.407	0.0001	11	-6 6 6.60	-0.014	11	0.23	21.406	16	33.6	6.37	16	33.6	K0	17	6037	A -6 4694
34		9.0A	58 22.491	-0.0008	13	-3 31 16.65	-0.015	13	0.27	22.504	16	33.6	16.41	16	33.6	K0	17	6040	A -3 4221
35		9.0A	58 22.613	0.0003	09	-2 2 3.88	-0.000	11	0.22	22.608	17	36.5	3.87	17	36.5	A0	21	4469	A -2 4530
36		9.0A	58 23.213	0.0018	20	-6 7 46.69	-0.037	20	0.36	23.183	16	33.6	46.08	16	33.6	F8	17	6038	A -6 4695
37		8.9A	58 43.642	0.0009	12	-7 34 7.80	-0.005	12	0.25	43.628	16	33.6	7.71	16	33.6	G5	16	6068	A -7 4546
38		9.1A	59 0.669	0.0014	11	-9 2 51.89	0.013	11	0.23	0.645	16	33.6	52.10	16	33.6	G0	16	6069	A -9 4639
39		8.8A	59 3.052	-0.0021	13	-4 40 56.59	0.007	13	0.27	3.066	16	33.6	56.71	16	33.6	G5	17	6042	A -4 4386
40		9.0A	59 19.892	-0.0017	13	-2 8 7.42	-0.022	13	0.27	19.919	16	33.6	7.05	16	33.6	K2	17	6043	A -2 4533
41		9.1A	59 25.071	-0.0018	12	-3 48 56.92	0.007	12	0.25	25.100	16	33.6	57.04	16	33.6	F8	17	6044	A -3 4223
42		7.8A	59 42.299	0.0018	12	-5 44 10.89	-0.042	12	0.25	42.269	16	33.6	10.20	16	33.6	F5	17	6045	A -5 4559
43		6.7T	59 51.185	-0.0023	10	-3 9 32.30	0.025	10	0.54	51.303	14	98.0	33.65	14	96.8	G0	GC	24556	-3 4225
44		9.2A	59 56.005	-0.0002	11	-8 45 14.30	-0.017	11	0.23	56.008	16	33.6	14.02	16	33.6	K0	16	6071	A -8 4547
45		6.6T	18 0 6.207	0.0005	12	-5 21 35.76	-0.036	10	0.63	6.179	15	94.2	33.71	15	93.1	A0	GC	24561	-5 4560
46		8.4A	0 12.115	-0.0010	09	-1 20 17.02	-0.035	11	0.22	12.128	17	36.5	16.54	17	36.5	B9	21	4476	A -1 3435
47		9.2A	0 13.702	0.0004	09	-1 29 26.22	-0.012	11	0.22	13.696	17	36.5	26.06	17	36.5	A2	21	4477	A -1 3436
48		8.6A	0 16.992	0.0004	12	-6 54 47.25	-0.092	12	0.25	16.985	16	33.6	45.73	16	33.6	F8	16	6072	A -6 4698
49		7.5A	0 20.759	-0.0005	12	-8 20 32.69	0.026	12	0.25	20.768	16	33.6	33.11	16	33.6	F5	16	6073	A -8 4548
50		4.9T	0 21.474	0.0017	03	-8 10 55.08	-0.039	02	0.15	21.398	06	05.7	53.18	06	01.6	F0	GC	24565K	B* -8 4549
51		7.9A	18 0 23.690	-0.0004	12	-7 40 13.71	-0.032	12	0.25	23.697	16	33.6	13.18	16	33.6	F8	16	6075	A -7 4550
52		9.0A	0 26.928	-0.0009	09	-0 27 29.02	-0.024	11	0.22	26.941	17	36.5	28.69	17	36.5	A0	21	4478	A -0 3404
53		8.5A	0 27.153	-0.0014	09	-4 23 20.14	-0.071	09	0.22	27.129	16	33.6	18.98	16	33.6	K2	17	6050	A -4 4388
54		8.5A	0 33.711	-0.0000	12	-8 15 8.77	-0.009	12	0.25	33.711	16	33.6	8.62	16	33.6	A0	16	6076	A -8 4550
55		8.5A	0 45.260	0.0005	09	-3 43 46.84	0.014	11	0.22	45.251	16	33.6	47.08	16	33.6	A2	17	6051	A -3 4231
56		8.8A	0 58.836	-0.0016	12	-7 40 38.12	-0.002	12	0.25	58.862	16	33.6	38.08	16	33.6	K2	16	6077	A -7 4554
57		9.3A	1 8.608	-0.0027	12	-7 56 25.84	0.016	12	0.25	8.653	16	33.6	26.10	16	33.6	G0	16	6079	A -7 4555
58		8.1T	1 9.725	0.0023	11	-9 15 19.74	-0.063	11	0.52	9.623	15	05.6	16.77	15	03.2	F8	GC	24587	-9 4642
59		8.9A	1 14.649	0.0005	11	-3 34 55.63	-0.010	11	0.23	14.640	16	33.6	55.47	16	33.6	G5	17	6052	A -3 4232
60		9.2A	1 18.405	-0.0028	12	-8 51 6.20	-0.006	12	0.25	18.452	16	33.6	6.10	16	33.6	F8	16	6080	A -8 4551
61		8.4A	1 19.820	0.0000	12	-6 23 38.55	-0.060	12	0.25	19.819	16	33.6	37.56	16	33.6	K5	16	6081	A -6 4700
62		8.9A	1 20.470	-0.0019	09	-5 57 18.96	-0.006	09	0.22	20.501	16	33.6	18.86	16	33.6	A2	F 17	6053	A -5 4564
63		9.4A	1 23.138	0.0002	09	-1 35 29.15	-0.026	11	0.22	23.135	17	36.5	28.80	17	36.5	F5	21	4480	A -1 3437
64		9.6A	1 31.895	0.0012	12	-6 55 5.66	0.001	12	0.25	31.875	16	33.6	5.67	16	33.6	G0	R 16	6083	A -6 4701
65		9.0A	1 39.835	0.0018	11	-9 15 54.72	-0.051	11	0.23	39.805	16	33.6	53.88	16	33.6	G0	16	6084	A -9 4643
66		9.2A	1 41.582	0.0001	12	-9 58 25.01	-0.001	12	0.25	41.581	16	33.6	24.99	16	33.6	A0	16	6085	A -9 4644
67		9.0A	2 0.879	-0.0022	09	-4 3 13.79	-0.005	09	0.22	0.914	16	33.6	13.72	16	33.6	A0	17	6054	A -4 4390
68		9.0A	2 12.364	-0.0016	09	-1 44 41.38	-0.039	11	0.22	12.386	17	36.5	40.86	17	36.5	G0	21	4481	A -1 3440
69		9.6A	2 14.450	0.0009	12	-8 44 35.77	-0.006	12	0.25	14.434	16	33.6	35.67	16	33.6	F8	16	6086	A -8 4554
70		8.7A	2 17.500	-0.0006	12	-6 21 18.22	0.006	12	0.25	17.511	16	33.6	18.32	16	33.6	A2	16	6087	A -6 4706
71		8.4A	2 26.010	-0.0003	11	-9 34 57.17	-0.038	11	0.23	26.016	16	33.6	56.54	16	33.6	G0	16	6088	A -9 4646
72		8.8A	2 28.320	0.0368	13	-3 1 52.63	-0.333	13	0.27	27.716	16	33.6	47.18	16	33.6	K5	17	6055	A -3 4233
73		9.1A	2 40.698	0.0010	11	-2 27 50.98	-0.051	11	0.23	40.681	16	33.6	50.13	16	33.6	F8	17	6056	A -2 4544
74		9.2A	2 51.667	0.0004	09	-1 43 29.82	-0.019	11	0.22	51.661	17	36.5	29.55	17	36.5	A2	21	4483	A -1 3443
75		8.5A	2 56.302	0.0004	09	-1 58 14.07	-0.027	11	0.22	56.297	17	36.5	13.71	17	36.5	K0	21	4484	A -1 3444
76		8.4A	2 57.903	-0.0013	09	-0 1 38.92	-0.034	11	0.22	57.920	17	36.5	38.46	17	36.5	B8	21	4486	A -0 3411
77		8.3A	2 59.698	-0.0008	11	-9 16 4.64	-0.042	11	0.23	59.711	16	33.6	3.95	16	33.6	B8	16	6089	A -9 4649
78		8.7A	2 59.913	-0.0006	09	-5 37 6.56	0.001	09	0.22	59.922	16	33.6	6.57	16	33.6	A0	17	6057	A -5 4567
79		7.9A	3 3.594	-0.0002	09	-4 33 0.34	-0.005	09	0.22	3.598	16	33.6	0.26	16	33.6	A2	17	6059	A -4 4394
80		9.0A	3 14.379	0.0000	09	-1 27 29.27	-0.037	11	0.22	14.378	17	36.5	28.76	17	36.5	B9	21	4487	A -1 3446
81		7.0T	3 17.914	0.0033	18	-8 6 55.54	0.079	17	0.79	17.770	22	06.4	58.91	22	07.2	F8	GC	24651K	-8 4556
82		9.1A	3 21.930	0.0005	12	-8 3 46.22	-0.000	11	0.24	21.921	16	33.6	46.22	16	33.6	G0	R 16	6091	A -8 4557
83		5.8T	3 23.886	0.0002	06	-8 19 46.26	-0.018	05	0.27	23.877	12	07.3	45.47	10	07.1	B8	GC	24656	B* -8 4558
84		6.5T	3 33.189	-0.0015	11	-0 27 7.82	-0.029	12	0.61	33.268	14	95.5	6.27	15	97.0	G5	GC	24659	-0 3414
85		5.9T	3 35.356	0.0092	07	-4 45 24.51	-0.033	05	0.28	34.978	12	09.1	23.11	09	07.4	K0	GC	24660	B* -4 4395
86		9.1A	3 37.923	-0.0033	11	-4 43 34.51	0.041	11	0.23	37.977	16	33.6	35.19	16	33.6	K5	F 17	6061	A -4 4396
87		8.7A	3 39.490	0.0006	12	-6 43 32.29	-0.011	12	0.25	39.481	16	33.6	32.10	16	33.6	A2	16	6093	A -6 4708
88		8.9A	3 51.425	0.0007	11	-3 2 11.86	-0.011	11	0.23	51.414	16	33.6	11.69	16	33.6	G5	17	6062	A -3 4236
89		9.0A	3 51.859	-0.0008	09	-1 9 32.80	-0.008	11	0.22	51.870	17	36.5	32.68	17	36.5	A3	21	4491	A -1 3448
90		8.9A	3 53.773	-0.0003	12	-6 43 5.76	-0.021	12	0.25	53.778	16	33.6	5.41	16	33.6	F8	16	6094	A -6 4709
91		9.0A	4 0.842	-0.0029	09	-5 4 25.51	-0.025	09	0.22	0.890	16	33.6	25.10	16	33.6	G0	17	6063	A -5 4571
92		6.9T	4 18.083	0.0015	10	-3 14 28.32	0.076	09	0.54	17.999	14	95.5	32.44	14	96.0	F8	GC	24681	-3 4237
93		9.2A	4 18.915	0.0016	12	-6 31 34.43	-0.063	12	0.25	18.888	16	33.6	33.39	16	33.6	F8	R 16	6095	A -6 4712
94		9.2A	4 21.186	-0.0007	09	-1 15 43.08	-0.030	11	0.22	21.195	17	36.5	42.66	17	36.5	B9	21	4493	A -1 3450
95		8.4A	4 21.713	0.0016	13	-2 8 4.60	-0.007	13	0.27	21.687	16	33.6	4.48	16	33.6	G0	17	6065	A -2 4549
96		8.5A	4 30.240	0.0002	09	-1 46 38.27	-0.017	11	0.22	30.238	17	36.5	38.03	17	36.5	B9	21	4494	A -1 3451
97		9.2A	4 31.801	-0.0005	14	-0 20 7.56	-0.026	20	0.29	31.807	17	36.5	7.21	17	36.5	K2	21	4495	A* -0 3418
98		9.0A	4 34.999	-0.0046	09	-2 3 24.84	-0.175	11	0.22	35.061	17	36.5	22.48	17	36.5	G0	21	4496	A -2 4551
99		9.5A	4 38.772	0.0020	12	-7 24 3.78	-0.005	12	0.25	38.738	16	33.6	3.70	16	33.6	A0	R 16	6096	A -7 4561
00		7.9A	4 49.183	0.0022	11	-9 11 7.74	-0.000	11	0.23	49.147	16	33.6	7.74	16	33.6	B9	16	6097	A -9 4652

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NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.		SOURCE CAT.	STAR NUMBER	DM	NUMBER
1		8.3A	18 4 53.739	-0.0027	09	-2 31 15.33	0.131	11	0.22	53.784	16	33.6	17.49	16	33.6	G0		17	6067	A	-2 4552
2		9.0A	5 17.005	-0.0001	11	-8 59 23.82	-0.053	11	0.23	17.006	16	33.6	22.94	16	33.6	G5		16	6099	A	-8 4562
3		9.6A	5 20.295	-0.0011	09	-2 32 5.11	0.004	09	0.22	20.313	16	33.6	5.19	16	33.6	A5		17	6068	A	-2 4554
4		7.8A	5 24.348	-0.0002	09	-0 47 45.85	-0.042	11	0.22	24.349	17	36.5	45.27	17	36.5	G5		21	4497	A	-0 3421
5		8.9A	5 26.566	-0.0008	11	-7 7 40.99	-0.004	11	0.23	26.579	16	33.6	40.92	16	33.6	K0		16	6100	A	-7 4564
6		9.2A	5 32.574	-0.0040	11	-5 58 23.16	-0.047	11	0.23	32.639	16	33.6	22.39	16	33.6	K0	F	17	6089	A	-5 4574
7		9.2A	5 32.923	0.0007	09	-2 2 37.16	0.003	11	0.22	32.913	17	36.5	37.20	17	36.5	G5		21	4498	A	-2 4556
8		7.5A	5 40.603	0.0015	12	-4 34 9.09	-0.011	12	0.25	40.578	16	33.6	8.91	16	33.6	K0		17	6071	A	-4 4403
9		8.4A	5 50.535	-0.0010	13	-4 6 17.90	-0.058	13	0.27	50.551	16	33.6	16.96	16	33.6	G0		17	6073	A	-4 4404
10		9.0A	5 51.235	0.0004	09	-5 3 40.76	-0.072	09	0.22	51.229	16	33.6	39.57	16	33.6	G0		17	6072	A	-5 4576
11		8.8A	5 51.770	-0.0005	12	-9 48 37.10	-0.021	12	0.25	51.777	16	33.6	36.75	16	33.6	F2		16	6102	A	-9 4654
12		8.2A	5 56.024	-0.0003	11	-6 40 15.62	-0.010	11	0.23	56.029	16	33.6	15.45	16	33.6	A0		16	6103	A	-6 4717
13		8.5A	5 57.301	-0.0014	09	-1 29 33.82	-0.076	11	0.22	57.319	17	36.5	32.78	17	36.5	K2		21	4500	A	-1 3453
14		8.0A	5 58.023	-0.0015	12	-4 26 57.17	-0.023	12	0.25	58.048	16	33.6	56.80	16	33.6	K2		17	6074	A	-4 4405
15		6.9T	6 1.989	0.0007	06	-2 54 59.18	0.004	05	0.24	1.957	07	06.8	59.37	07	07.2	G5		GC	24726		-2 4558
16		8.3A	6 7.253	-0.0014	12	-5 38 15.69	-0.040	12	0.25	7.276	16	33.6	15.03	16	33.6	F8		17	6076	A	-5 4577
17		7.8A	6 7.577	0.0007	13	-4 0 0.00	-0.025	13	0.27	7.566	16	33.6	59.60	16	33.6	A0		17	6077	A	-4 4406
18		9.4A	6 21.617	-0.0005	11	-6 28 6.12	-0.049	11	0.23	21.625	16	33.6	5.31	16	33.6	G0	R	16	6105	A	-6 4718
19		9.0A	6 22.426	0.0014	12	-7 21 23.21	-0.007	12	0.25	22.402	16	33.6	23.09	16	33.6	A2		16	6104	A	-7 4566
20		9.0A	6 25.797	0.0003	11	-8 17 11.39	-0.025	11	0.23	25.791	16	33.6	10.98	16	33.6	A0		16	6106	A	-8 4563
21		9.1A	6 40.554	0.0013	11	-8 18 37.20	-0.046	11	0.23	40.532	16	33.6	36.44	16	33.6	G5		16	6107	A	-8 4564
22		8.3A	6 40.565	-0.0008	09	-2 59 25.72	0.004	09	0.22	40.578	16	33.6	25.80	16	33.6	B9		17	6079	A	-3 4242
23		8.5A	6 41.989	-0.0038	13	-4 35 8.61	-0.095	13	0.27	42.052	16	33.6	7.05	16	33.6	K2		17	6078	A	-4 4407
24		9.4A	6 55.985	-0.0003	13	-1 57 32.32	0.022	13	0.27	55.990	16	33.6	32.87	16	33.6	A0		17	6081	A	-1 3454
25		7.5A	6 56.102	0.0011	09	-5 39 46.65	-0.076	09	0.22	56.084	16	33.6	45.40	16	33.6	G0		17	6080	A	-5 4582
26		7.9A	6 56.909	-0.0073	11	-8 47 12.97	-0.206	11	0.23	57.028	16	33.6	9.58	16	33.6	G5		16	6108	A	-8 4566
27		8.9A	6 57.788	0.0045	09	-0 20 13.54	-0.035	11	0.22	57.728	17	36.5	13.07	17	36.5	K2		21	4502	A	-0 3426
28		8.9A	7 6.249	0.0008	09	-1 8 24.18	-0.033	11	0.22	6.238	17	36.5	23.72	17	36.5	A3		21	4504	A	-1 3455
29		8.9A	7 9.321	-0.0020	09	-7 55 25.90	-0.009	09	0.22	9.354	16	33.6	25.75	16	33.6	G5		16	6109	A	-7 4568
30		9.0A	7 10.999	-0.0001	11	-8 32 53.35	-0.029	11	0.23	11.000	16	33.6	52.87	16	33.6	F5		16	6111	A	-8 4568
31		9.2A	7 11.659	0.0093	11	-9 14 12.01	-0.002	11	0.23	11.506	16	33.6	11.97	16	33.6	G5		16	6110	A	-9 4659
32		8.8A	7 12.114	-0.0021	11	-3 54 42.22	-0.026	11	0.23	12.148	16	33.6	41.80	16	33.6	G0		17	6082	A	-3 4244
33		9.1A	7 18.334	-0.0002	12	-9 41 56.14	-0.012	12	0.25	18.337	16	33.6	55.94	16	33.6	A0		16	6112	A	-9 4660
34		9.0A	7 55.288	-0.0008	09	-0 18 20.70	-0.022	11	0.22	55.299	17	36.5	20.40	17	36.5	F5		21	4510	A	-0 3431
35		9.2A	7 56.656	0.0012	11	-4 8 36.99	-0.018	11	0.23	56.637	16	33.6	36.70	16	33.6	G2	F	17	6083	A	-4 4411
36		9.4A	7 56.860	-0.0006	09	-1 45 57.04	-0.007	11	0.22	56.867	17	36.5	56.94	17	36.5	F8		21	4508	A	-1 3456
37		7.9A	8 4.737	-0.0007	09	-2 38 32.78	0.002	09	0.22	4.748	16	33.6	32.82	16	33.6	A0		17	6084	A	-2 4564
38		9.0A	8 26.251	0.0018	09	-0 0 53.63	-0.004	11	0.22	26.227	17	36.5	53.58	17	36.5	K0		21	4513	A	-0 3432
39		7.8A	8 41.673	-0.0009	09	-0 40 14.45	-0.047	11	0.22	41.685	17	36.5	13.80	17	36.5	K2		21	4514	A	-0 3434
40		6.6T	8 47.000	-0.0008	10	-5 13 1.93	0.004	10	0.57	47.044	15	95.4	2.15	15	94.7	B9		GC	24803K		-5 4586
41		9.0A	8 54.234	-0.0012	09	-1 52 56.39	-0.077	11	0.22	54.249	17	36.5	55.35	17	36.5	K5		21	4515	A	-1 3457
42		9.0A	8 55.082	-0.0030	13	-5 45 33.48	0.009	13	0.27	55.131	16	33.6	33.62	16	33.6	G0		17	6087	A	-5 4587
43		8.7A	8 55.245	-0.0019	12	-6 2 26.92	-0.037	12	0.25	55.277	16	33.6	26.31	16	33.6	G5		17	6086	A	-6 4722
44		8.2A	8 2.026	-0.0013	11	-9 33 33.61	-0.013	11	0.23	2.004	16	33.6	33.39	16	33.6	A0		16	6114	A	-9 4669
45		7.5A	9 4.045	-0.0009	09	-2 44 18.23	-0.040	11	0.22	4.060	16	33.6	17.58	16	33.6	K0		17	6088	A	-2 4566
46		7.0T	9 15.084	-0.0007	10	-5 36 13.05	0.008	10	0.50	15.118	14	01.5	13.44	14	00.2	A2		GC	24811		-5 4589
47		7.0T	9 17.392	-0.0001	10	-8 44 36.17	-0.010	11	0.53	17.397	17	01.1	35.67	17	01.8	A5		GC	24813		-8 4571
48		8.5A	9 27.848	-0.0007	11	-5 19 34.11	0.012	11	0.23	27.859	16	33.6	34.30	16	33.6	A2		17	6090	A	-5 4590
49		8.9A	9 31.934	-0.0016	13	-2 16 16.07	0.019	13	0.27	31.942	16	33.6	16.39	16	33.6	F8		17	6091	A	-2 4568
50		7.1A	9 41.750	-0.0019	11	-7 18 34.89	-0.055	11	0.23	41.780	16	33.6	33.98	16	33.6	G0		16	6117	A	-7 4571
51		9.0A	18 9 49.147	0.0034	09	-5 51 19.10	-0.097	09	0.22	49.092	16	33.6	17.50	16	33.6	G5		17	6093	A	-5 4592
52		8.3A	9 49.177	0.0012	13	-6 4 6.19	-0.032	13	0.27	49.158	16	33.6	5.66	16	33.6	F0		17	6092	A	-6 4725
53		8.1A	9 58.270	0.0011	13	-5 29 57.24	-0.008	13	0.27	58.252	16	33.6	57.12	16	33.6	F2		17	6094K	A	-5 4252
54		9.0A	10 7.322	0.0007	13	-5 8 21.75	-0.015	13	0.27	7.310	16	33.6	21.50	16	33.6	A0		17	6095	A	-5 4593
55		8.9A	10 20.404	0.0003	09	-0 46 28.21	-0.046	11	0.22	20.400	17	36.5	27.58	17	36.5	F0		21	4520	A	-0 3440
56		7.8A	10 20.696	-0.0008	13	-4 46 43.87	-0.004	13	0.27	20.708	16	33.6	43.81	16	33.6	A2		17	6096	A	-4 4414
57		9.1A	10 23.977	-0.0022	12	-7 47 33.14	-0.139	12	0.25	24.013	16	33.6	30.86	16	33.6	G5		16	6120	A	-7 4573
58		9.0A	10 28.118	-0.0001	09	-5 28 31.57	-0.005	09	0.22	28.119	16	33.6	31.48	16	33.6	A5		17	6097	A	-5 4595
59		6.6T	10 31.429	0.0004	14	-4 1 33.77	0.035	14	0.79	31.406	17	95.6	35.70	17	95.1	A2		GC	24849		-4 4415
60		9.0A	10 32.192	0.0008	12	-6 47 34.76	-0.022	12	0.25	32.178	16	33.6	34.40	16	33.6	G5		16	6121	A	-6 4726
61		7.6A	10 40.200	0.0008	09	-1 44 2.44	-0.009	11	0.22	40.190	17	36.5	2.32	17	36.5	A0		21	4521	A	-1 3461
62		8.2A	10 40.810	-0.0012	11	-3 25 16.99	-0.006	11	0.23	40.830	16	33.6	16.90	16	33.6	F0		17	6099	A	-3 4254
63		9.4A	10 47.047	-0.0073	09	-0 46 34.43	-0.172	11	0.22	47.146	17	36.5	32.09	17	36.5	K2		21	4522	A	-0 3443
64		8.8A	10 56.534	-0.0009	11	-7 36 41.79	-0.029	11	0.23	56.549	16	33.6	41.31	16	33.6	G0		16	6122	A	-7 4575
65		8.7A	10 57.028	-0.0027	11	-3 0 6.71	-0.003	13	0.25	57.072	16	33.6	6.67	16	33.6	G0		17	6100	A	-3 4255
66		9.5R	11 1.127	-0.0006	13	-0 21 55.64	-0.030	11	0.55	1.149	19	09.3	54.37	21	08.0	K5		GC	24862		-0 3444
67		9.0A	11 20.001	-0.0017	13	-3 40 4.50	-0.075	13	0.27	20.028	16	33.6	3.28	16	33.6	G5		17	6101	A	-3 4256
68		9.3A	11 21.395	0.0015	11	-9 53 11.93	-0.019	11	0.23	21.370	16	33.6	11.61	16	33.6	A0		16	6123	A	-9 4671
69		9.2A	11 35.470	0.0044	11	-8 42 40.27	-0.008	11	0.23	35.397	16	33.6	40.13	16	33.6	F8	R	16	6124	A	-8 4573
70		9.1A	11 39.145	-0.0006	12	-9 32 34.20	0.015	12	0.25	39.154	16	33.6	34.44	16	33.6	A0		16	6125	A	-9 4672
71		8.9A	11 40.399	0.0001	09	-8 23 24.19	0.011	09	0.22	40.397	16	33.6	24.37	16	33.6	F8		16	6126	A	-8 4574
72		9.2A	11 48.524	-0.0014	09	-9 20 29.77	0.009	09	0.22	48.546	16	33.6	29.91	16	33.6	F8		16	6127	A	-9 4673
73		7.8A	11 49.561	-0.0002	11	-5 35 29.54	-0.039	11	0.23	49.564	16	33.6	29.90	16	33.6	A0		17	6102	A	-5 4602
74		8.4A	11 50.185	-0.0009	13	-2 38 28.80	0.023	13	0.27	50.200	16	33.6	29.19	16	33.6	F5		17	6103	A	-2 4577
75		8.9A	11 58.365	0.0005	13	-5 13 49.83	-0.009	13	0.27	58.356	16	33.6	49.68	16	33.6	A2		17	6104	A	-5 4604
76		7.8A	11 59.882	0.0000	09	-2 37 8.38	0.022	09	0.22	59.882	16	33.6	8.73	16	33.6	K5		17	6105	A	-2 4578
77		9.0A	12 6.199	0.0042	09	-4 42 13.06	0.002	09	0.22	6.130	16	33.6	13.09	16	33.6	F5		17	6106	A	-4 4423
78		8.9A	12 7.577	0.0019	11	-4 42 1.56	0.003	11	0.23	7.546	16	33.6	1.61	16	33.6	F5		17	6107	A	-4 4424
79		8.6A	12 22.549	-0.0000	11	-6 47 51.56	-0.007	11	0.23	22.550	16	33.6	51.44	16	33.6	K5		16	6128	A	-6 4729
80		8.0A	12 47.661	0.0009	11	-8 30 16.18	-0.028	11	0.23	47.647	16	33.6	15.71	16	33.6	A3		16	6129	A	-8 4578
81		9.0A	12 48.739	-0.0011	09	-5 59 5.56	-0.030	09	0.22	48.757	16	33.6	5.06	16	33.6	G5	F	17	6109	A	-6 4731
82		7.2T	12 54.075	-0.0007	11	-5 29 31.95	-0.021	11	0.57	54.109	15	00.7	30.87	14	98.7	G5		GC	24905		-5 4608
83		9.2A	12 59.187	-0.0022	12	-9 58 9.39	-0.162	12	0.25	59.222	16	33.6	6.73	16	33.6	G0		16	6131K	A	-9 4675
84		7.3T	13 4.776	-0.0001	08	-3 22 31.07	0.005	05	0.39	4.779	15	98.4	31.38	15	91.4	K0		GC	24911K	B*	-3 4257
85		6.3T	13 19.955	0.0008	12	-3 38 7.72	0.019	12	0.63	19.912	15	97.3	8.72	14	98.1	A3		GC	24913		-3 4259
86		7.7A	13 29.880	0.0044	11	-9 49 39.47	-0.021	11	0.23	29.808	16	33.6	39.12	16	33.6	A2		16	6133	A	-9 4676
87		8.6A	13 53.212	-0.0018	09	-4 3 19.99	-0.006	09	0.22	53.241	16	33.6	19.90	16	33.6	A0		17	6113	A	-4 4430
88		9.1A	13 58.816	0.0007	09	-0 58 46.09	0.005	11	0.22	58.806	17	36.5	46.16	17	36.5	K5		21	4531	A	-1 3462
89		6.1T	14 15.726	0.0005	04	-3 1 20.79	-0.268	04	0.24	15.700	10	00.3	6.52	09	96.7	G5		GC	24945	B*	-3 4263
90		8.2A	14 27.388	-0.0003	09	-7 14 14.93	-0.027	09	0.22	27.393	16	33.6	14.48	16	33.6	A2		16	6135	A	-7 4580
91		9.0A	14 34.229	0.0015	11	-1 50 31.63	0.012	11	0.23	34.204	16	33.6	31.82	16	33.6	F0		17	6115	A	-1 3463
92		6.3H	14 38.676	0.0003	02	-9 46 38.39	-0.061	02	0.07	38.868	04	22.8	36.57	04	20.0	A5		F4	1475		-9 4678
93		8.0A	14 40.205	0.0014	09	-7 18 21.22	-0.006	09	0.22	40.181	16	33.6	21.12	16	33.6	A0		16	6137	A	-7 4582
94		8.3A	14 47.286	-0.0005	09	-5 31 54.36	-0.026	09	0.22	47.274	16	33.6	53.93	16	33.6	B9		17	6116	A	-5 4618
95		8.9A	14 49.615	-0.0001	09	-1 14 22.99	-0.022	11	0.22	49.616	17	36.5	22.68	17	36.5	K2		21	4534	A	-1 3465
96		8.9A	14 54.338	-0.0006	11	-9 23 15.55	-0.006	11	0.23	54.347	16	33.6	15.45	16	33.6	A0		16	6138	A	-9 4680
97		9.0A	14 58.967	-0.0029	12	-9 44 39.42	-0.046	12	0.25	59.015	16	33.6	38.65	16	33.6	G0		16	6139	A	-9 4681
98		9.0A	15 5.704	-0.0016	09	-1 59 48.36	-0.017	11	0.22	5.725	17	36.5	48.13	17	36.5	F5		21	4535	A	-2 4587
99		7.5A	15 7.309	0.0004	09	-1 29 2.98	-0.022	11	0.22	7.303	17	36.5	2.67	17	36.5	A2		21	4536	A	-1 3468
00		9.1A	15 11.651	-0.0002	12	-9 40 7.13	-0.025	12	0.25	11.654	16	33.6	6.72	16	33.6	F8		16	6140	A	-9 4683

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18H

142200			EPOCH 1950								ORIGINAL EPOCH						SP.	SOURCE		− 0° 18H
NUMBER	MAGNITUDES		α_{1950}	μ	σ_μ	δ_{1950}	μ'	$\sigma_{\mu'}$	σ_{1950}	α_2	σ	ep.	δ_2	σ'	ep.		CAT.	STAR NUMBER	DM NUMBER
	m_{pg}	m_v	h m s	s	″.001	° ′ ″	″	″.001	″	s	″.01		″	″.01						
1		8.8A	18 15 19.650	-0.0014	12	-9 21 41.14	-0.013	12	0.25	19.673	16	33.6	40.92	16	33.6	F5	16	6141	A -9 4684
2		8.7A	15 21.184	0.0011	11	-9 44 24.64	-0.026	11	0.23	21.166	16	33.6	24.21	16	33.6	G0	16	6142	A -9 4685
3		7.2A	15 24.568	0.0007	11	-8 39 14.22	0.001	11	0.23	24.557	16	33.6	14.23	16	33.6	K0	16	6143	A -8 4583
4		8.0A	15 25.170	0.0003	09	-2 3 13.61	-0.002	11	0.22	25.166	17	36.5	13.57	17	36.5	A2	21	4537	A -2 4588
5		9.0A	15 27.084	0.0030	12	-5 54 39.18	-0.027	12	0.25	27.035	16	33.6	38.73	16	33.6	G5	17	6118	A -5 4620
6		7.6A	15 30.151	-0.0004	09	-1 21 2.10	-0.003	11	0.22	30.156	17	36.5	2.06	17	36.5	A0	21	4538	A -1 3469
7		8.3A	15 39.860	0.0004	13	-5 58 0.02	-0.060	13	0.27	39.853	16	33.6	-59.03	16	33.6	F0	17	6120	A -5 4621
8		9.0A	15 45.173	0.0012	13	-2 38 34.28	0.015	13	0.27	45.153	16	33.6	34.53	16	33.6	K0	17	6121	A -2 4589
9		8.8A	15 47.665	-0.0006	09	-0 53 4.30	-0.107	11	0.22	47.672	17	36.5	2.84	17	36.5	G0	21	4540	A -0 3458
10		8.5A	15 52.018	-0.0000	12	-6 7 43.60	-0.000	12	0.25	52.019	16	33.6	43.60	16	33.6	A3	17	6122	A -6 4737
11		8.9A	15 52.283	-0.0015	09	-3 28 58.67	-0.017	09	0.22	52.307	16	33.6	58.40	16	33.6	K0 R	17	6123	A -3 4264
12		8.5A	15 55.071	0.0054	09	-1 56 21.90	-0.039	11	0.22	54.997	17	36.5	21.36	17	36.5	G5	21	4541	A -1 3470
13		8.5A	15 58.783	0.0030	13	-2 37 8.44	-0.048	13	0.27	58.734	16	33.6	7.66	16	33.6	G0	17	6126	A -2 4591
14		8.6A	15 59.276	-0.0050	11	-6 43 19.18	-0.023	11	0.23	59.358	16	33.6	18.80	16	33.6	K0	16	6148	A -6 4738
15		9.0A	16 0.423	-0.0025	13	-5 24 57.85	-0.023	13	0.27	0.464	16	33.6	57.47	16	33.6	G5	17	6125	A -5 4622
16		9.5A	16 2.568	-0.0011	12	-9 30 23.93	-0.031	12	0.25	2.585	16	33.6	23.42	16	33.6	G0	16	6147	A -9 4687
17		9.0A	16 19.683	0.0002	09	-2 32 52.51	0.005	09	0.22	19.680	16	33.6	52.60	16	33.6	F8	17	6128	A -2 4592
18		7.5A	16 20.672	0.0006	13	-4 7 36.43	-0.004	13	0.27	20.663	16	33.6	36.37	16	33.6	K0	17	6127	A -4 4438
19		8.8A	16 21.728	-0.0011	09	-0 41 17.87	-0.036	11	0.22	21.743	17	36.5	17.37	17	36.5	F8	21	4543	A -0 3460
20		8.0A	16 23.632	0.0008	13	-3 11 24.06	0.001	13	0.27	23.619	16	33.6	24.08	16	33.6	G5	17	6129	A -3 4267
21		8.0A	16 37.985	0.0022	12	-5 30 31.71	-0.010	12	0.25	37.948	16	33.6	31.55	16	33.6	F5	17	6130	A -5 4624
22		8.5A	16 42.847	0.0001	12	-9 50 13.16	0.002	12	0.25	42.845	16	33.6	13.19	16	33.6	F8	16	6149	A -9 4690
23		9.1A	16 51.006	-0.0006	12	-9 32 8.28	-0.014	12	0.25	51.015	16	33.6	8.05	16	33.6	A0	16	6150	A -9 4691
24		9.0A	16 52.730	-0.0012	11	-2 10 17.75	-0.034	11	0.23	52.750	16	33.6	17.20	16	33.6	G0	17	6131	A -2 4593
25		9.5A	16 52.898	-0.0004	11	-6 22 36.18	-0.003	11	0.23	52.905	16	33.6	36.13	16	33.6	A0 R	16	6151	A -6 4740
26		8.5A	16 56.415	0.0005	13	-4 16 53.62	-0.002	13	0.27	56.407	16	33.6	53.60	16	33.6	A3	17	6132	A -4 4440
27		9.0A	17 14.778	-0.0006	09	-1 57 40.12	-0.022	11	0.22	14.785	17	36.5	39.81	17	36.5	K5	21	4545	A -1 3474
28		7.0T	17 19.164	-0.0068	13	-9 36 56.22	-0.248	12	0.62	19.473	17	04.6	44.53	15	02.9	G5	GC	25010	-9 4692
29		6.5T	17 21.912	0.0021	07	-8 0 13.70	-0.006	05	0.40	21.790	15	91.9	13.28	12	83.0	F5	GC	25013K	B* -8 4585
30		8.9A	17 25.075	0.0024	12	-8 34 19.52	0.008	12	0.25	25.035	16	33.6	19.64	16	33.6	F8	16	6155	A -8 4586
31		9.0A	17 38.575	-0.0005	09	-4 5 52.14	-0.018	09	0.22	38.583	16	33.6	51.85	16	33.6	A0	17	6134	A -4 4442
32		9.3A	17 50.977	0.0012	09	-0 45 4.16	-0.007	11	0.22	50.960	17	36.5	4.05	17	36.5	F2 R	21	4546	A -0 3462
33		8.5A	17 58.230	-0.0011	11	-4 52 44.38	-0.020	11	0.23	58.248	16	33.6	44.05	16	33.6	G5	17	6135	A -4 4444
34		9.0A	18 6.461	-0.0011	12	-8 54 12.62	0.031	12	0.25	6.479	16	33.6	13.12	16	33.6	G0	16	6156	A -8 4588
35		9.0A	18 7.309	0.0008	12	-6 49 13.84	-0.033	12	0.25	7.295	16	33.6	13.29	16	33.6	G5	16	6157	A -6 4744
36		8.5A	18 11.623	0.0011	09	-0 27 10.44	-0.013	11	0.22	11.608	17	36.5	10.26	17	36.5	A2	21	4547	A -0 3465
37		8.5A	18 30.968	0.0001	12	-2 47 40.39	-0.001	12	0.25	30.966	16	33.6	40.38	16	33.6	G0	17	6136	A -2 4596
38		8.2A	18 32.976	0.0064	13	-2 23 19.96	-0.012	13	0.27	32.969	16	33.6	19.76	16	33.6	A0	17	6137	A -2 4597
39		9.0A	18 40.308	-0.0000	09	-0 48 38.14	-0.019	11	0.22	40.308	17	36.5	37.87	17	36.5	A0	21	4548	A -0 3466
40		9.7A	18 42.924	-0.0003	12	-8 18 25.80	0.005	12	0.25	42.930	16	33.6	25.88	16	33.6	F8 R	16	6158	A -8 4593
41		3.4H	18 43.265	-0.0370	01	-2 54 48.20	-0.697	01	0.03	44.673	02	11.9	21.13	02	11.2	K0	F4	688	-2 4599
42		8.0A	18 45.391	0.0019	12	-3 7 49.32	-0.002	12	0.25	45.360	16	33.6	49.30	16	33.6	G5	17	6139	A -3 4272
43		8.8A	18 50.672	0.0019	12	-9 13 32.92	0.008	12	0.25	50.641	16	33.6	33.05	16	33.6	G0	16	6160	A -9 4698
44		8.0A	18 59.027	0.0019	13	-3 53 58.14	0.010	13	0.27	58.995	16	33.6	58.31	16	33.6	F5	17	6141	A -3 4273
45		9.1A	19 0.322	-0.0052	09	-1 33 37.35	-0.175	11	0.22	0.392	17	36.5	34.97	17	36.5	G5	21	4549	A -1 3475
46		9.0A	19 1.727	-0.0012	12	-2 3 7.69	-0.058	12	0.25	1.746	16	33.6	6.75	16	33.6	G0	17	6143	A -2 4602
47		9.0A	19 5.163	-0.0008	13	-5 45 51.66	-0.004	13	0.27	5.177	16	33.6	51.59	16	33.6	A2	17	6142	A -5 4636
48		9.1A	19 26.877	-0.0007	12	-6 3 2.54	-0.012	12	0.25	26.888	16	33.6	2.34	16	33.6	K0 F	17	6144	A -6 4745
49		9.0A	19 27.755	-0.0031	13	-5 18 2.18	0.011	13	0.27	27.806	16	33.6	2.36	16	33.6	G0	17	6145	A -5 4641
50		6.9T	19 28.235	-0.0015	13	-7 31 27.30	-0.044	12	0.68	28.312	17	98.3	24.98	15	97.6	B9	GC	25065	-7 4589
51		9.0A	18 19 38.630	0.0024	13	-5 13 27.77	0.019	13	0.27	38.590	16	33.6	28.08	16	33.6	A5	17	6146	A -5 4642
52		8.8A	19 45.196	-0.0006	13	-5 6 20.34	-0.011	13	0.27	45.206	16	33.6	20.16	16	33.6	B9	17	6147	A -5 4643
53		7.5A	19 48.554	-0.0003	09	-1 13 40.21	-0.016	11	0.22	48.550	17	36.5	39.99	17	36.5	B9	21	4553	A -1 3476
54		8.8A	19 52.201	-0.0000	09	-0 46 23.85	-0.011	11	0.22	52.201	17	36.5	23.69	17	36.5	A0	21	4555	A -0 3469
55		9.0A	19 53.628	0.0011	09	-0 6 49.80	-0.019	11	0.22	53.613	17	36.5	49.54	17	36.5	A0	21	4556	A -0 3470
56		8.5A	19 54.499	-0.0034	13	-4 55 50.19	0.012	13	0.27	54.554	16	33.6	50.39	16	33.6	G0	17	6148	A -4 4451
57		8.8A	19 58.593	-0.0030	13	-4 16 38.26	-0.035	13	0.27	58.642	16	33.6	37.69	16	33.6	K0 F	17	6149	A -4 4452
58		8.9A	20 0.496	-0.0006	11	-7 41 19.44	0.014	11	0.23	0.506	16	33.6	19.66	16	33.6	F8	16	6164	A -7 4592
59		8.8A	20 7.274	-0.0001	09	-2 13 38.60	0.005	11	0.22	7.275	16	33.6	38.69	16	33.6	F2	17	6151	A -2 4606
60		9.0A	20 12.638	0.0010	14	-1 30 0.89	0.007	14	0.26	12.624	17	36.5	0.99	17	36.5	F5 R	21	4558	A* -1 3478
61		8.8A	20 27.919	0.0008	09	-1 41 19.20	0.008	11	0.22	27.907	17	36.5	19.31	17	36.5	F5	21	4559	A -1 3479
62		9.0A	20 41.414	-0.0005	12	-9 13 37.21	-0.009	12	0.25	41.422	16	33.6	37.06	16	33.6	A2	16	6165	A -9 4709
63		8.1A	20 42.542	0.0008	12	-5 10 46.20	-0.003	12	0.25	42.528	16	33.6	46.15	16	33.6	A5	17	6152	A -5 4646
64		8.6A	20 43.649	-0.0002	13	-5 36 35.40	-0.000	13	0.27	43.653	16	33.6	35.40	16	33.6	K5	17	6153	A -5 4648
65		8.8A	20 45.197	-0.0011	17	-5 55 42.73	-0.018	17	0.31	45.215	16	33.6	42.43	16	33.6	K2	17	6154	A -5 4647
66		8.1A	20 53.960	-0.0015	12	-6 16 38.99	-0.006	12	0.25	53.984	16	33.6	38.89	16	33.6	F8	16	6168	A -6 4751
67		4.8T	20 55.131	0.0028	07	-8 57 43.03	0.044	05	0.28	55.012	12	07.4	44.95	10	05.9	G5	GC	25101	B* -9 4712
68		8.7A	20 57.431	0.0036	09	-2 29 23.80	-0.034	11	0.22	57.372	16	33.6	23.24	16	33.6	K0	17	6155	A -2 4609
69		9.0A	21 6.834	0.0001	12	-9 55 32.60	-0.009	12	0.25	6.833	16	33.6	32.45	16	33.6	B2	16	6169	A -9 4713
70		7.5Q	21 14.387	-0.0011	08	-1 10 25.36	-0.013	07	0.43	14.442	14	98.7	24.64	15	96.3	B9	GC	25108	-1 3481
71		9.1A	21 19.255	-0.0011	15	-2 3 26.89	0.034	15	0.29	19.272	16	33.6	27.46	16	33.6	A0	17	6157	A -2 4611
72		8.4A	21 19.355	-0.0014	12	-4 48 19.69	-0.012	12	0.25	19.377	16	33.6	19.50	16	33.6	A0	17	6156	A -4 4457
73		7.7A	21 23.062	0.0016	15	-2 29 56.47	-0.044	15	0.29	23.035	16	33.6	55.76	16	33.6	K0	17	6158	A -2 4613
74		6.4T	21 25.649	-0.0019	09	-3 36 36.84	-0.055	10	0.54	25.755	15	93.0	33.78	15	94.1	F2	GC	25112	-3 4277
75		8.8A	21 28.336	0.0017	09	-0 1 45.78	-0.026	11	0.22	28.312	17	36.5	45.43	17	36.5	A2	21	4564	A -0 3474
76		9.0A	21 38.826	-0.0004	09	-5 53 47.87	-0.015	09	0.22	38.833	16	33.6	47.62	16	33.6	F2 F	17	6160	A -5 4650
77		7.5A	21 38.840	-0.0012	13	-4 6 59.19	-0.011	13	0.27	38.859	16	33.6	59.02	16	33.6	A3	17	6161	A -4 4459
78		8.9A	21 39.441	0.0011	12	-6 51 46.99	-0.006	12	0.25	39.423	16	33.6	46.89	16	33.6	G5	16	6170	A -6 4752
79		8.8A	21 40.840	0.0024	12	-6 8 43.18	-0.069	12	0.25	40.801	16	33.6	42.05	16	33.6	K0 R	16	6172	A -6 4753
80		9.0A	21 46.225	-0.0012	12	-7 29 48.75	0.018	12	0.25	46.244	16	33.6	49.04	16	33.6	G5	16	6174	A -7 4596
81		7.6A	21 46.568	0.0021	12	-8 12 8.39	-0.042	12	0.25	46.534	16	33.6	7.70	16	33.6	F0	16	6173	A -8 4599
82		7.8A	21 48.573	-0.0022	09	-1 5 26.47	-0.097	11	0.22	48.603	17	36.5	25.15	17	36.5	G0	21	4566	A -1 3482
83		8.3A	21 51.469	-0.0022	12	-5 1 21.38	0.007	12	0.25	51.505	16	33.6	21.49	16	33.6	K2	17	6162	A -5 4652
84		9.2A	21 51.686	0.0023	14	-1 36 31.22	-0.044	14	0.26	51.655	17	36.5	30.62	17	36.5	G5	21	4567	A* -1 3483
85		9.2A	21 56.996	0.0003	09	-0 0 7.84	-0.023	11	0.22	56.991	17	36.5	7.53	17	36.5	K0	21	4568	A -0 3477
86		8.3A	21 58.259	0.0007	13	-3 4 59.36	0.010	13	0.27	58.248	16	33.6	59.53	16	33.6	A2	17	6163	A -3 4279
87		9.0A	21 58.874	-0.0018	11	-9 22 35.38	-0.005	11	0.23	58.903	16	33.6	35.29	16	33.6	G0 R	16	6175	A -9 4719
88		6.5T	21 59.612	0.0088	14	-7 6 12.98	-0.006	13	0.80	59.117	15	93.8	12.62	14	93.0	K0	GC	25123	-7 4598
89		8.9T	22 1.604	-0.0043	12	-6 38 0.12	-0.039	16	0.66	1.800	18	04.6	-58.39	19	06.1		GC	25126K	-6 4755
90		7.2T	22 1.721	-0.0045	06	-6 37 53.71	-0.036	05	0.36	1.970	14	94.5	51.49	12	88.9	G0	GC	25127K	-6 4755
91		9.3A	22 2.570	0.0005	09	-0 59 46.81	0.004	11	0.22	2.563	17	36.5	46.86	17	36.5	K5	21	4569	A -1 3484
92		8.2A	22 7.258	0.0021	09	-1 53 58.59	-0.010	11	0.22	7.229	17	36.5	58.45	17	36.5	F2	21	4570	A -1 3485
93		8.5A	22 16.858	-0.0009	09	-2 3 33.96	0.003	09	0.22	16.872	16	33.6	34.02	16	33.6	A0	17	6165	A -2 4615
94		6.1T	22 21.462	-0.0013	11	-1 36 29.20	-0.010	10	0.57	21.531	14	95.8	28.62	14	94.5	F5	GC	25131K	B* -1 3486
95		8.5A	22 21.669	-0.0011	13	-5 18 23.50	-0.032	13	0.27	21.687	16	33.6	22.97	16	33.6	F2	17	6166	A -5 4653
96		9.0A	22 24.943	0.0004	09	-1 34 28.19	0.003	11	0.22	24.937	17	36.5	28.23	17	36.5		21	4573	A -1 3487
97		7.7A	22 35.314	-0.0012	12	-4 52 27.78	-0.020	12	0.25	35.333	16	33.6	27.45	16	33.6	A2	17	6167	A -4 4462
98		9.0A	22 36.836	0.0060	11	-7 49 28.97	0.024	11	0.23	36.738	16	33.6	29.36	16	33.6	G0	16	6181	A -7 4600
99		9.1A	22 42.583	-0.0019	09	-1 18 38.72	-0.023	11	0.22	42.608	17	36.5	38.40	17	36.5	G0	21	4575	A -1 3489
00		8.3A	22 45.393	-0.0004	09	-3 22 42.89	-0.067	09	0.22	45.400	16	33.6	41.80	16	33.6	K2	17	6168	A -3 4282

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NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	EPOCH 1950 μ s	EPOCH 1950 σ_μ ″.001	EPOCH 1950 δ_{1950} ° ′ ″	EPOCH 1950 μ' ″	EPOCH 1950 $\sigma_{\mu'}$ ″.001	EPOCH 1950 σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	DM NUMBER
1		8.9A	18 22 49.360	-0.0008	12	-6 30 25.98	-0.039	12	0.25	49.374	16	33.6	25.34	16	33.6	G5	16	6182	A -6 4758
2		8.6A	22 49.624	-0.0002	11	-5 40 21.35	-0.016	11	0.23	49.628	16	33.6	21.08	16	33.6	A0	17	6169	A -5 4654
3		9.4A	22 54.528	0.0012	09	-0 48 30.37	0.036	11	0.22	54.512	17	36.5	30.85	17	36.5	G5	21	4576	A -0 3479
4		8.7A	22 55.197	0.0047	12	-3 31 49.55	-0.017	12	0.25	55.119	16	33.6	49.28	16	33.6	K0	17	6170	A -3 4283
5		8.4A	22 57.910	-0.0000	11	-9 46 57.45	-0.007	11	0.23	57.910	16	33.6	57.33	16	33.6	B	16	6183	A -9 4729
6		8.9A	23 3.762	0.0007	13	-2 10 44.69	0.012	13	0.27	3.751	16	33.6	44.88	16	33.6	A0	17	6171	A -2 4620
7		9.2A	23 8.499	-0.0011	09	-0 50 36.84	-0.011	11	0.22	8.514	17	36.5	36.68	17	36.5	K5	21	4577	A -0 3481
8		9.0A	23 11.608	-0.0010	09	-3 40 4.20	-0.016	09	0.22	11.624	16	33.6	3.94	16	33.6	G2	F 17	6172	A -3 4284
9		8.7A	23 16.009	-0.0014	12	-9 29 18.08	0.018	12	0.25	16.028	16	33.6	18.37	16	33.6	K0	16	6184	A -9 4731
10		8.2A	23 24.093	0.0011	12	-8 10 54.99	-0.018	12	0.25	24.074	16	33.6	54.69	16	33.6	A0	16	6185	A -8 4605
11		8.2A	23 26.492	0.0004	09	-1 42 38.90	-0.036	11	0.22	26.487	17	36.5	38.42	17	36.5	A0	21	4578	A -1 3490
12		7.8A	23 30.559	-0.0005	11	-7 38 59.74	-0.056	11	0.23	30.567	16	33.6	58.82	16	33.6	F8	16	6186	A -7 4602
13		8.7A	23 32.329	0.0011	12	-6 39 17.35	0.014	12	0.25	32.311	16	33.6	17.57	16	33.6	F5	16	6187	A -6 4761
14		8.9A	23 44.865	0.0011	09	-2 55 33.44	0.000	09	0.22	44.847	16	33.6	33.45	16	33.6	F8	17	6174	A -2 4623
15		7.6A	23 45.071	-0.0003	12	-8 12 57.22	0.002	12	0.25	45.076	16	33.6	57.25	16	33.6	A0	16	6188	A -8 4606
16		8.3A	23 47.733	-0.0005	12	-7 9 25.99	-0.008	12	0.25	47.741	16	33.6	25.86	16	33.6	K2	16	6190	A -7 4603
17		7.9A	23 48.968	0.0008	11	-9 13 56.04	-0.005	11	0.23	48.955	16	33.6	55.95	16	33.6	B2	16	6189	A -9 4736
18		8.0A	23 56.790	-0.0016	11	-5 37 56.17	-0.026	11	0.23	56.816	16	33.6	55.74	16	33.6	F0	17	6175	A -5 4657
19		8.4A	24 1.719	-0.0005	09	-0 12 57.12	-0.020	11	0.22	1.726	17	36.5	56.85	17	36.5	F5	21	4580	A -0 3484
20		9.0A	24 3.507	-0.0000	11	-8 24 37.75	-0.041	11	0.23	3.507	16	33.6	37.08	16	33.6	G0	16	6191	A -8 4608
21		8.1A	24 9.950	0.0034	12	-6 27 2.32	0.048	12	0.25	9.894	16	33.6	3.10	16	33.6	F8	16	6192	A -6 4762
22		9.2A	24 11.862	-0.0011	09	-0 7 54.64	-0.028	11	0.22	11.876	17	36.5	54.26	17	36.5	F8	21	4581	A -0 3485
23		8.0A	24 15.259	0.0010	12	-6 16 15.68	-0.035	12	0.25	15.243	16	33.6	15.10	16	33.6	K2	16	6193	A -6 4763
24		8.7A	24 16.266	-0.0006	11	-6 32 36.34	-0.018	11	0.23	16.276	16	33.6	36.04	16	33.6	F2	16	6194	A -6 4764
25		8.7A	24 24.543	0.0001	11	-8 54 34.61	-0.026	11	0.23	24.542	16	33.6	34.14	16	33.6	K0	16	6195	A -8 4610
26		6.5T	24 25.665	-0.0001	08	-8 4 18.51	0.006	07	0.28	25.669	10	16.3	18.72	12	12.8	K0	GC	25171	-8 4611
27		8.8A	24 34.141	0.0001	09	-1 30 5.39	-0.010	11	0.22	34.139	17	36.5	5.26	17	36.5	F0	21	4582	A -1 3492
28		8.0A	24 59.584	0.0009	09	-3 58 1.60	-0.137	11	0.22	59.570	16	33.6	-59.36	16	33.6	G5	17	6176	A -4 4470
29		9.5A	25 6.532	0.0011	11	-9 3 4.32	-0.006	11	0.23	6.513	16	33.6	4.22	16	33.6	G0	R 16	6198	A -9 4739
30		9.0A	25 9.479	-0.0008	11	-5 37 49.81	-0.004	11	0.23	9.493	16	33.6	49.74	16	33.6	A2	17	6177	A -5 4663
31		8.8A	25 9.505	-0.0018	09	-1 48 19.04	-0.075	11	0.22	9.529	17	36.5	18.03	17	36.5	F8	21	4585	A -1 3496
32		9.1A	25 17.326	0.0012	11	-6 7 8.71	-0.006	11	0.23	17.306	16	33.6	8.61	16	33.6	A2	R 16	6199	A -6 4767
33		8.6A	25 19.609	-0.0013	09	-1 7 32.15	-0.029	11	0.22	19.626	17	36.5	31.75	17	36.5	A0	21	4587	A -1 3497
34		8.1A	25 25.864	-0.0002	12	-6 11 1.35	0.004	12	0.25	25.867	16	33.6	1.41	16	33.6	F5	16	6200	A -6 4769
35		9.5A	25 35.132	0.0007	12	-9 37 3.06	-0.002	12	0.25	35.121	16	33.6	3.02	16	33.6	B2	R 16	6201	A -9 4742
36		9.0A	25 43.756	-0.0007	12	-5 50 27.22	-0.019	12	0.25	43.767	16	33.6	26.90	16	33.6	B9	17	6179	A -5 4665
37		8.4T	25 47.199	-0.0134	09	-3 54 17.18	-0.323	09	0.48	47.915	12	96.4	-59.65	12	95.7	G0	GC	25208	-3 4288
38		9.1A	26 5.406	0.0007	12	-9 40 22.60	-0.016	12	0.25	5.395	16	33.6	22.33	16	33.6	F0	16	6203	A -9 4745
39		8.8A	26 27.151	0.0008	13	-4 28 52.79	-0.002	13	0.27	27.137	16	33.6	52.77	16	33.6	B3	F 17	6181	A -4 4476
40		9.0A	26 27.750	-0.0014	13	-2 23 49.23	-0.007	13	0.27	27.773	16	33.6	49.11	16	33.6	K2	17	6183	A -2 4637
41		9.1A	26 28.818	0.0004	09	-1 15 2.39	-0.022	11	0.22	28.812	17	36.5	2.08	17	36.5	K2	21	4589	A -1 3498
42		8.8A	26 29.750	-0.0021	11	-5 4 20.38	0.004	11	0.23	29.784	16	33.6	20.44	16	33.6	A0	17	6182	A -5 4667
43		8.9A	26 30.528	0.0003	12	-8 35 42.70	0.010	12	0.25	30.523	16	33.6	42.86	16	33.6	B2	R 16	6204	A -8 4617
44		8.3A	26 38.380	-0.0014	13	-2 48 22.91	0.001	13	0.27	38.403	16	33.6	22.93	16	33.6	F8	17	6184	A -2 4638
45		8.8A	26 40.563	-0.0013	09	-0 49 53.46	-0.037	11	0.22	40.580	17	36.5	52.95	17	36.5	K2	21	4591	A -0 3492
46		8.3A	26 50.395	0.0009	12	-9 19 22.30	-0.007	12	0.25	50.379	16	33.6	22.18	16	33.6	A0	16	6205	A -9 4749
47		8.4A	26 55.477	-0.0018	09	-1 10 26.09	-0.006	11	0.22	55.501	17	36.5	26.00	17	36.5	K0	21	4593	A -1 3499
48		5.4H	27 4.776	0.0020	01	-2 1 9.27	-0.033	02	0.05	4.716	03	20.0	8.21	03	18.3	K0	F4	1480	-2 4641
49		8.6A	27 8.589	-0.0008	12	-7 19 18.21	-0.002	11	0.24	8.602	16	33.6	18.17	16	33.6	K2	R 16	6206	A -7 4609
50		8.4A	27 15.912	0.0116	09	-1 51 0.41	-0.207	11	0.22	15.755	17	36.5	-57.61	17	36.5	K5	21	4596	A -1 3500
51		7.8A	18 27 16.515	-0.0012	11	-4 1 13.21	0.019	13	0.25	16.534	16	33.6	13.52	16	33.6	F5	17	6186	A -4 4478
52		8.5A	27 31.464	-0.0010	11	-2 37 31.38	-0.007	11	0.23	31.480	16	33.6	31.27	16	33.6	A3	17	6189	A -2 4642
53		6.3T	27 33.887	0.0005	10	-5 45 32.67	-0.021	09	0.50	33.862	12	99.7	31.59	14	99.2	G5	GC	25253	-5 4675
54		9.0A	27 46.982	-0.0033	13	-2 38 56.29	0.080	13	0.27	47.037	16	33.6	57.61	16	33.6	G0	17	6190	A -2 4643
55		9.0A	27 53.777	-0.0008	09	-1 55 17.45	-0.037	11	0.22	53.788	17	36.5	16.94	17	36.5	F2	21	4599	A -1 3501
56		8.8A	28 10.093	-0.0010	12	-4 39 16.03	0.000	12	0.25	10.109	16	33.6	16.03	16	33.6	F5	17	6192	A -4 4481
57		8.3A	28 14.381	-0.0002	13	-5 2 56.63	-0.055	13	0.27	14.385	16	33.6	55.72	16	33.6	F5	17	6193	A -5 4677
58		9.0A	28 15.089	-0.0016	09	-4 51 26.80	-0.016	09	0.22	15.115	16	33.6	26.54	16	33.6	K0	R 17	6194	A -4 4483
59		7.3A	28 28.142	-0.0002	13	-5 49 32.00	-0.010	13	0.27	28.145	16	33.6	31.83	16	33.6	B5	17	6195	A -5 4678
60		8.0A	28 38.908	-0.0043	09	-0 28 48.57	-0.040	11	0.22	38.966	17	36.5	48.03	17	36.5	K0	21	4604	A -0 3500
61		9.1A	28 42.262	-0.0007	11	-9 31 32.44	-0.022	11	0.23	42.273	16	33.6	32.08	16	33.6	A2	16	6208	A -9 4756
62		7.0T	28 47.629	-0.0007	08	-0 31 5.86	0.002	10	0.46	47.662	12	99.0	5.94	14	01.5	B8	GC	25283	-0 3501
63		8.5A	28 51.614	-0.0015	09	-0 19 14.80	-0.039	11	0.22	51.635	17	36.5	14.27	17	36.5	K2	21	4607	A -0 3502
64		7.8A	28 53.165	-0.0013	09	-1 40 16.37	-0.034	11	0.22	53.147	17	36.5	15.90	17	36.5	F2	21	4606	A -1 3503
65		9.2A	28 55.847	0.0006	09	-0 39 17.44	-0.027	11	0.22	55.839	17	36.5	17.06	17	36.5	K0	R 21	4608	A -0 3503
66		9.2A	28 58.926	-0.0012	09	-4 2 7.31	-0.004	09	0.22	58.945	16	33.6	7.24	16	33.6	A0	R 17	6197	A -4 4486
67		8.6A	29 7.667	0.0028	11	-6 39 2.38	-0.119	11	0.23	7.621	16	33.6	0.42	16	33.6	G0	17	6209	A -6 4779
68		7.5A	29 9.489	0.0017	11	-2 27 19.89	-0.005	11	0.23	9.460	16	33.6	19.80	16	33.6	K2	17	6198	A -2 4647
69		9.2A	29 11.132	0.0003	12	-9 5 18.09	0.005	12	0.25	11.126	16	33.6	18.17	16	33.6	A2	R 16	6210	A -9 4761
70		8.1A	29 17.266	0.0009	11	-6 9 5.94	0.004	11	0.23	17.251	16	33.6	6.00	16	33.6	K5	16	6211	A -6 4783
71		8.8A	29 21.555	-0.0017	09	-3 38 29.20	-0.027	11	0.22	21.582	16	33.6	28.76	16	33.6	F8	F 17	6199	A -3 4299
72		5.8T	29 21.997	0.0005	02	-1 2 24.30	-0.006	02	0.14	21.972	07	04.3	23.99	07	01.5	A2	GC	25302	B* -1 3504
73		8.9A	29 24.345	0.0004	09	-8 43 25.94	0.032	09	0.22	24.338	16	33.6	26.46	16	33.6	G5	16	6212	A -8 4626
74		7.9A	29 27.092	-0.0002	11	-9 24 26.70	-0.013	11	0.23	27.095	16	33.6	26.48	16	33.6	A0	16	6213K	A -9 4762
75		8.8A	29 56.272	0.0007	09	-8 2 1.58	0.012	09	0.22	56.260	16	33.6	1.77	16	33.6	F0	16	6215	A -8 4627
76		8.8A	30 15.356	0.0045	13	-2 4 2.51	0.042	13	0.27	15.282	16	33.6	3.21	16	33.6	F5	17	6201	A -2 4650
77		8.8A	30 18.788	-0.0004	09	-1 58 58.06	-0.026	11	0.22	18.793	17	36.5	57.71	17	36.5	A0	21	4612	A -2 4651
78		9.0A	30 20.941	-0.0040	11	-5 18 34.36	0.005	11	0.23	21.006	16	33.6	34.45	16	33.6	A0	17	6202K	A -5 4685
79		8.9A	30 21.226	-0.0008	09	-0 22 7.88	-0.046	11	0.22	21.237	17	36.5	7.25	17	36.5	K2	21	4613	A -0 3505
80		7.1T	30 27.323	0.0007	10	-5 12 3.52	-0.017	10	0.56	27.288	15	97.5	2.62	14	96.0	G5	GC	25323	-5 4686
81		8.0A	30 33.313	0.0001	09	-1 30 3.57	-0.016	11	0.22	33.312	17	36.5	3.36	17	36.5	A0	21	4614	A -1 3508
82		7.9A	30 36.942	0.0005	09	-8 36 19.78	-0.003	09	0.22	36.933	16	33.6	19.73	16	33.6	A5	16	6216	A -8 4631
83		9.0A	30 37.200	-0.0012	09	-1 51 57.30	-0.025	11	0.22	37.216	17	36.5	56.97	17	36.5	A0	21	4615	A -1 3509
84		9.2A	30 37.794	-0.0012	09	-0 58 3.91	-0.039	11	0.22	37.810	17	36.5	3.39	17	36.5	F8	21	4616	A -1 3510
85		8.6A	30 39.463	0.0013	13	-6 5 12.49	-0.024	13	0.27	39.442	16	33.6	12.10	16	33.6	F5	17	6205	A -6 4789
86		6.4T	30 42.176	0.0006	13	-5 56 59.92	-0.018	12	0.73	42.140	15	93.7	58.89	15	92.3	A0	GC	25329	-6 4791
87		9.4A	30 53.380	0.0003	13	-1 46 14.32	0.011	13	0.27	53.374	16	33.6	14.51	16	33.6	F7	F 17	6207	A -1 3511
88		8.6A	31 1.279	-0.0016	11	-4 51 14.07	-0.008	11	0.23	1.305	16	33.6	13.93	16	33.6	F2	17	6208	A -4 4493
89		8.0A	31 19.206	-0.0015	13	-2 51 36.35	0.010	13	0.27	19.231	16	33.6	36.52	16	33.6	F5	17	6209	A -2 4653
90		9.2A	31 19.846	-0.0004	11	-8 13 9.71	0.005	11	0.23	19.853	16	33.6	9.79	16	33.6	F2	R 16	6220	A -8 4633
91		7.5A	31 29.656	0.0000	12	-7 45 7.43	-0.001	11	0.24	29.656	16	33.6	7.42	16	33.6	A0	16	6221	A -7 4623
92		9.0A	31 33.330	0.0008	13	-2 5 2.99	-0.002	13	0.27	33.317	16	33.6	2.96	16	33.6	K5	17	6210	A -2 4655
93		8.2A	31 36.423	-0.0021	13	-4 51 12.55	0.001	13	0.27	36.457	16	33.6	12.57	16	33.6	B8	17	6211	A -4 4497
94		9.2A	31 36.869	0.0002	12	-9 42 40.20	-0.025	12	0.25	36.865	16	33.6	39.79	16	33.6	K0	16	6222	A -9 4767
95		9.0A	31 39.655	-0.0008	12	-9 56 12.78	-0.072	12	0.25	39.667	16	33.6	11.60	16	33.6	G5	16	6223	A -10 4722
96		8.9A	31 42.318	0.0013	12	-8 8 19.07	-0.021	12	0.25	42.296	16	33.6	18.73	16	33.6	B2	R 16	6224	A -8 4634
97		8.6A	31 45.595	0.0000	09	-0 42 49.68	-0.036	11	0.22	45.594	17	36.5	49.20	17	36.5	F8	21	4618	A -0 3508
98		9.1A	31 49.179	-0.0008	13	-3 14 10.17	0.014	13	0.27	49.192	16	33.6	10.41	16	33.6	K3	F 17	6213	A -3 4305
99		8.9A	31 50.151	0.0005	13	-4 44 57.40	-0.024	13	0.27	50.143	16	33.6	57.00	16	33.6	K2	17	6212	A -4 4498
00		8.8A	32 1.469	-0.0009	13	-4 29 48.60	-0.054	13	0.27	1.484	16	33.6	47.72	16	33.6	F8	17	6214	A -4 4499

142400

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ_α s	σ_{μ_α} .001"	δ_{1950} ° ′ ″	μ'_δ ″	$\sigma_{\mu'_\delta}$ .001"	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ_{α_2} .01"	ep.	δ_2 ″	σ'_{δ_2} .01"	ep.	SP.	SOURCE CAT.	STAR NUMBER	18H DM NUMBER
1		9.2A	18 32 1.860	-0.0007	11	-7 36 5.67	-0.021	11	0.23	1.849	16	33.6	5.33	16	33.6	F8	16	6225	A -7 4624
2		8.5A	32 8.470	-0.0003	09	-1 57 6.03	-0.013	11	0.22	8.474	17	36.5	5.86	17	36.5	F0	21	4619	A -1 3517
3		8.5A	32 8.505	0.0002	13	-1 57 5.37	0.009	13	0.27	8.502	16	33.6	5.33	16	33.6	F0	17	6216	A -2 4658
4		9.1A	32 8.804	-0.0008	09	-0 39 55.96	-0.032	11	0.22	8.815	17	36.5	55.33	17	36.5	F5	21	4620	A -0 3509
5		8.8A	32 9.345	0.0004	13	-2 58 5.28	0.013	13	0.27	9.338	16	33.6	3.50	16	33.6	F5	17	6215	A -3 4309
6		9.1A	32 28.003	-0.0004	11	-7 27 19.86	0.019	11	0.23	28.010	16	33.6	20.18	16	33.6	A2	16	6227	A -7 4627
7		8.6A	32 29.052	0.0004	12	-9 26 39.28	-0.046	12	0.25	29.045	16	33.6	38.53	16	33.6	K2	16	6226	A -9 4768
8		4.1H	32 29.108	-0.0013	01	-8 16 50.47	-0.312	01	0.04	29.154	02	14.6	39.23	02	13.9	K0	F4	1482	-8 4638
9		9.1A	32 31.707	-0.0002	12	-4 9 2.27	0.009	12	0.25	31.711	16	33.6	2.42	16	33.6	G5	F	6218	A -4 4501
10		8.6A	32 37.593	-0.0008	12	-9 5 33.36	0.022	12	0.25	37.606	16	33.6	33.72	16	33.6	K0		6229	A -9 4770
11		8.4A	32 47.182	0.0005	11	-8 43 52.33	-0.004	11	0.23	47.173	16	33.6	52.26	16	33.6	K2	R	6231	A -8 4639
12		8.7A	32 47.364	0.0001	12	-9 31 40.40	0.035	12	0.25	47.362	16	33.6	40.98	16	33.6	F8		6230	A -9 4771
13		9.0A	32 55.334	-0.0003	12	-4 9 3.67	-0.012	12	0.25	55.339	16	33.6	3.48	16	33.6	G0	F	6219	A -4 4505
14		9.0A	33 3.933	0.0016	13	-2 21 49.50	0.001	13	0.27	3.907	16	33.6	49.52	16	33.6	A0		6220	A -2 4661
15		7.0T	33 26.213	0.0004	07	-6 47 1.67	-0.009	07	0.44	26.193	14	92.7	1.16	12	92.8	K2		GC 25409	-6 4805
16		8.6A	33 27.918	-0.0003	13	-2 25 0.54	-0.055	13	0.27	27.922	16	33.6	59.65	16	33.6	K0		6221	A -2 4664
17		9.0A	33 31.633	-0.0018	09	-0 22 36.19	-0.004	11	0.22	31.657	17	36.5	36.13	17	36.5	K2		6222	A -0 3517
18		8.8A	33 32.965	0.0006	13	-4 19 3.30	0.017	13	0.27	32.956	16	33.6	3.58	16	33.6	A0		6222	A -4 4507
19		9.0A	33 39.078	-0.0006	09	-1 22 44.37	-0.015	11	0.22	39.085	17	36.5	44.17	17	36.5	A0		6223	A -1 3521
20		8.3A	33 43.250	-0.0028	13	-4 18 50.26	-0.031	13	0.27	43.295	16	33.6	49.76	16	33.6	G5		6223	A -4 4509
21		8.5A	33 45.555	0.0034	13	-4 41 8.20	-0.029	13	0.27	45.499	16	33.6	7.72	16	33.6	G0		6224	A -4 4510
22		9.0T	33 48.043	0.0016	10	-4 36 53.96	-0.202	10	0.52	47.965	14	01.0	43.94	14	00.4	G0		GC 25416	-4 4511
23		8.5A	33 55.768	0.0000	13	-3 7 13.00	0.002	13	0.27	55.768	16	33.6	13.04	16	33.6	B9		6227	A -3 4316
24		9.5A	33 57.266	-0.0018	09	-0 36 43.73	0.033	11	0.22	57.289	17	36.5	44.18	17	36.5	F8		6224	A -0 3518
25		9.0A	34 0.084	-0.0003	13	-2 13 29.22	-0.013	13	0.27	0.090	16	33.6	29.01	16	33.6	F8		6228	A -2 4668
26		8.3A	34 1.396	0.0018	12	-6 27 52.63	-0.028	12	0.25	1.366	16	33.6	52.18	16	33.6	K5		6233	A -6 4809
27		8.9A	34 1.491	0.0022	13	-1 59 44.79	-0.004	13	0.27	1.455	16	33.6	44.73	16	33.6	F2		6229	A -2 4669
28		9.1A	34 6.878	0.0003	13	-3 38 19.24	-0.005	13	0.27	6.873	16	33.6	19.16	16	33.6	F7	F	6230	A -3 4317
29		9.2A	34 8.121	0.0012	09	-0 32 12.81	-0.027	11	0.22	8.105	17	36.5	12.45	17	36.5	F8		6226	A -0 3519
30		9.1A	34 11.968	-0.0017	13	-5 14 53.28	-0.026	13	0.27	11.996	16	33.6	52.86	16	33.6	G0		6231	A -5 4703
31		8.7A	34 20.423	-0.0006	13	-3 33 36.99	0.001	13	0.27	20.433	16	33.6	37.00	16	33.6	F2		6233	A -3 4319
32		7.5A	34 23.463	-0.0004	13	-4 39 32.21	0.011	13	0.27	23.469	16	33.6	32.39	16	33.6	F0		6234	A -4 4514
33		9.1A	34 30.330	0.0011	12	-6 35 51.73	0.038	12	0.25	30.312	16	33.6	52.36	16	33.6	F8	R	6236	A -6 4810
34		9.0A	34 35.657	-0.0005	13	-4 36 16.75	-0.020	13	0.27	35.665	16	33.6	16.42	16	33.6	A5	F	6235	A -4 4516
35		8.9A	34 40.852	-0.0024	09	-0 57 55.36	-0.055	11	0.22	40.883	17	36.5	54.62	17	36.5	K5		4628	A -1 3524
36		9.1A	34 42.720	0.0007	11	-6 8 28.75	0.013	13	0.25	42.708	16	33.6	28.97	16	33.6	F2		6238	A -6 4812
37		9.0A	34 44.783	0.0017	13	-2 56 17.41	-0.017	13	0.27	44.756	16	33.6	17.14	16	33.6	F2		6236	A -3 4321
38		9.1A	34 47.853	-0.0007	13	-2 55 57.34	-0.029	13	0.27	47.864	16	33.6	56.87	16	33.6	F8		6237	A -3 4322
39		6.7T	34 52.524	0.0001	14	-2 57 49.95	0.004	14	0.83	52.518	17	92.1	50.19	17	92.9	K0		GC 25447	-3 4325
40		9.1A	34 54.651	-0.0004	11	-8 28 25.00	0.009	11	0.23	54.658	16	33.6	25.15	16	33.6	G0	R	6239	A -8 4658
41		9.2A	34 56.636	0.0007	11	-8 44 39.67	0.004	12	0.24	56.624	16	33.6	39.74	16	33.6	G0	R	6240	A -8 4660
42		9.0A	34 58.605	-0.0006	13	-5 5 36.23	-0.004	13	0.27	58.614	16	33.6	36.17	16	33.6	F8		6240	A -5 4707
43		7.9Q	35 0.001	0.0079	09	-7 22 47.16	-0.085	05	0.41	59.617	14	01.2	42.80	14	98.7	G0		GC 25455	-7 4636
44		5.8T	35 1.729	0.0006	05	-0 21 11.20	-0.021	05	0.26	1.699	10	00.5	10.20	09	03.2	A0		GC 25456	B* -0 3521
45		9.1A	35 4.557	-0.0006	12	-8 47 8.48	-0.016	12	0.25	4.566	16	33.6	8.22	16	33.6	A0		6242	A -8 4661
46		6.7T	35 6.041	-0.0016	12	-4 51 5.48	0.047	12	0.65	6.125	15	97.7	7.94	15	97.7	F2		GC 25458	-4 4518
47		8.2A	35 9.418	0.0004	09	-6 50 27.71	0.001	09	0.22	9.412	16	33.6	27.73	16	33.6	K0		6243	A -6 4816
48		8.6A	35 12.648	0.0006	09	-8 59 57.25	0.005	09	0.22	12.638	16	33.6	57.34	16	33.6	B8		6244	A -9 4779
49		8.9A	35 13.282	-0.0002	13	-3 47 46.13	-0.130	13	0.27	13.285	16	33.6	44.00	16	33.6	G5		6242	A -3 4327
50		8.8A	35 15.888	-0.0008	12	-7 41 19.23	-0.030	12	0.25	15.901	16	33.6	18.74	16	33.6	A0		6245	A -7 4638
51		8.8Q	18 35 17.647	-0.0082	13	-6 50 38.81	-0.377	12	0.65	18.056	18	00.3	19.93	18	99.9	G5		GC 25469	-6 4817
52		7.1T	35 20.218	0.0000	12	-2 38 4.06	-0.022	11	0.66	20.218	15	95.0	2.86	17	94.9	K0		GC 25470	B* -2 4678
53		8.8A	35 22.275	-0.0008	09	-1 51 41.37	-0.017	11	0.22	22.286	17	36.5	41.14	17	36.5	A0		4631	A -1 3526
54		7.8Q	35 22.443	0.0016	09	-0 25 49.12	-0.019	05	0.40	22.369	18	03.9	48.02	17	93.1	B5		GC 25472K	B* -0 3523
55		8.9A	35 23.979	0.0009	13	-4 57 59.91	0.005	13	0.27	23.964	16	33.6	59.99	16	33.6	A0		6244	A -5 4709
56		9.2A	35 29.427	-0.0000	13	-1 46 37.47	0.028	13	0.27	29.427	16	33.6	37.94	16	33.6	A2		6246	A -1 3527
57		9.1A	35 31.940	0.0006	12	-6 14 41.33	0.020	12	0.25	31.930	16	33.6	41.66	16	33.6	F2		6247	A -6 4820
58		9.1A	35 40.685	0.0011	12	-7 19 24.65	0.021	12	0.25	40.667	16	33.6	25.00	16	33.6	F8		6248	A -7 4640
59		8.7A	35 42.815	0.0008	12	-8 39 0.91	0.002	12	0.25	42.802	16	33.6	0.95	16	33.6	F0		6249	A -8 4665
60		6.5T	35 44.070	-0.0020	11	-1 9 28.45	-0.011	11	0.61	44.179	14	95.2	27.87	14	95.5	F2		GC 25480	-1 3529
61		6.5T	35 46.226	-0.0008	15	-3 14 20.53	0.032	13	0.82	46.270	17	94.1	22.34	18	93.7	F8		GC 25481K	B* -3 4331
62		8.3A	35 48.938	0.0007	13	-3 41 14.52	-0.017	13	0.27	48.926	16	33.6	14.25	16	33.6	F5		6248	A -3 4332
63		8.5A	35 57.299	0.0001	13	-6 2 7.26	-0.009	13	0.27	57.296	16	33.6	7.12	16	33.6	F2		6250	A -6 4823
64		9.0A	36 0.534	0.0002	13	-3 44 6.98	0.005	13	0.27	0.531	16	33.6	7.06	16	33.6	K5		6251	A -3 4334
65		9.0A	36 0.597	-0.0005	13	-2 4 46.30	0.008	13	0.27	0.606	16	33.6	46.44	16	33.6	F8		6252	A -2 4683
66		8.8A	36 20.844	-0.0000	12	-7 54 19.39	-0.002	12	0.25	20.845	16	33.6	19.36	16	33.6	B0		6252	A -7 4642
67		8.8A	36 23.003	0.0004	13	-5 45 28.27	-0.012	13	0.27	22.996	16	33.6	28.08	16	33.6	K0		6253	A -5 4714
68		8.5A	36 24.092	0.0003	13	-4 8 52.37	0.015	13	0.27	24.087	16	33.6	52.61	16	33.6	F8		6254	A -4 4531
69		8.9A	36 32.327	-0.0005	09	-1 8 42.89	-0.024	11	0.22	32.333	17	36.5	42.57	17	36.5	B9		4639	A -1 3531
70		8.6A	36 33.425	-0.0032	12	-8 32 32.65	-0.012	12	0.25	33.477	16	33.6	32.46	16	33.6	K0		6254	A -8 4668
71		7.2T	36 37.545	-0.0015	10	-1 59 50.45	-0.038	08	0.48	37.625	14	97.7	48.42	14	96.1	K0		GC 25504	B* -2 4686
72		8.8A	36 39.830	0.0005	13	-3 11 49.53	-0.012	13	0.27	39.822	16	33.6	49.34	16	33.6	B9		6256	A -3 4337
73		9.1A	36 44.933	-0.0008	13	-2 41 21.19	0.002	13	0.27	44.946	16	33.6	21.23	16	33.6	F0		6257	A -2 4687
74		9.1A	36 53.022	-0.0006	12	-7 19 53.17	-0.008	12	0.25	53.031	16	33.6	53.04	16	33.6	G5	R	6255	A -7 4644
75		8.9A	36 57.313	-0.0006	12	-7 24 1.64	0.010	12	0.25	57.323	16	33.6	1.81	16	33.6	B3		6256	A -7 4645
76		8.5A	37 2.025	-0.0016	12	-4 27 15.41	0.005	12	0.25	2.052	16	33.6	15.50	16	33.6	B9		6258	A -4 4536
77		9.0A	37 3.456	-0.0009	13	-4 50 54.91	-0.007	13	0.27	3.471	16	33.6	54.79	16	33.6	G5	F	6259	A -4 4537
78		8.8A	37 8.203	-0.0015	11	-3 9 49.95	0.022	13	0.25	8.227	16	33.6	50.32	16	33.6	A2		6260	A -3 4338
79		8.4A	37 14.747	0.0002	09	-1 20 8.54	0.000	11	0.22	14.744	17	36.5	8.55	17	36.5	A2		4644	A -1 3534
80		6.1T	37 17.692	-0.0000	10	-7 50 13.11	-0.033	08	0.49	17.695	14	97.7	11.33	14	95.9	K0		GC 25524K	-7 4648
81		9.0A	37 22.909	0.0002	12	-8 15 41.28	-0.040	12	0.25	22.906	16	33.6	40.63	16	33.6	A2		6258	A -8 4670
82		8.7A	37 26.185	0.0044	13	-5 49 12.22	-0.074	13	0.27	26.113	16	33.6	11.01	16	33.6	G5		6261	A -5 4717
83		9.1A	37 27.509	-0.0009	12	-7 17 50.74	-0.010	12	0.25	27.524	16	33.6	50.58	16	33.6	B0		6259	A -7 4650
84		8.2A	37 37.089	0.0001	11	-9 11 15.12	-0.003	11	0.23	37.087	16	33.6	15.07	16	33.6	B8		6261	A -9 4790
85		8.9A	37 48.601	-0.0022	09	-0 54 10.24	-0.058	11	0.22	48.630	17	36.5	9.46	17	36.5	F2		4646	A -0 3529
86		8.2A	37 51.469	0.0006	13	-5 45 18.05	0.005	13	0.27	51.460	16	33.6	18.14	16	33.6	K0		6262	A -5 4719
87		9.0A	37 55.337	-0.0006	13	-2 18 7.71	-0.014	13	0.27	55.347	16	33.6	7.49	16	33.6	G0		6263	A -2 4694
88		9.1A	38 1.630	-0.0001	11	-8 1 15.17	-0.020	12	0.24	1.631	16	33.6	14.85	16	33.6	B8	R	6264	A -8 4674
89		7.5A	38 4.177	-0.0009	12	-8 45 58.28	-0.025	12	0.25	4.191	16	33.6	57.87	16	33.6	BP		6265	A -8 4675
90		8.5A	38 6.805	-0.0016	13	-5 23 59.23	-0.013	13	0.27	6.831	16	33.6	59.02	16	33.6	G0		6264	A -5 4721
91		7.5A	38 8.406	-0.0010	15	-4 32 38.70	-0.019	13	0.28	8.422	16	33.6	38.38	16	33.6	K0		6265	A -4 4547
92		8.7A	38 8.789	0.0023	11	-3 4 18.99	-0.003	13	0.25	8.752	16	33.6	18.95	16	33.6	F5		6266	A -3 4347
93		9.0A	38 14.327	0.0001	09	-1 53 38.78	0.021	11	0.22	14.325	17	36.5	39.07	17	36.5	K2		4647	A -1 3535
94		8.8A	38 17.196	-0.0001	13	-4 7 56.14	0.010	13	0.27	17.188	16	33.6	56.31	16	33.6	B8		6267	A -4 4548
95		9.0A	38 22.769	-0.0006	12	-8 12 29.05	0.019	12	0.25	22.778	16	33.6	29.37	16	33.6	B8		6266	A -8 4676
96		9.0A	38 25.785	-0.0012	12	-8 22 1.00	-0.018	12	0.25	25.805	16	33.6	0.71	16	33.6	F8		6267	A -8 4677
97		8.7A	38 32.306	-0.0006	12	-9 29 4.12	-0.043	12	0.25	32.315	16	33.6	3.42	16	33.6	F8		6268	A -9 4791
98		8.3A	38 35.615	-0.0003	13	-3 51 54.13	-0.031	13	0.27	35.620	16	33.6	53.63	16	33.6	K2		6268	A -3 4351
99		9.0A	38 37.876	0.0000	12	-3 10 19.03	0.006	12	0.25	37.876	16	33.6	19.13	16	33.6	K0		6269	A -3 4352
00		8.2A	38 40.518	0.0006	09	-1 52 29.86	0.002	11	0.22	40.510	17	36.5	29.89	17	36.5	A3		4649	A -1 3539

142500

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	σ_μ ″.001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	DM NUMBER
1		9.1A	18 38 41.753	0.0003	13	-3 49 57.21	-0.018	13	0.27	41.748	16	33.6	56.91	16	33.6	A5	17	6270	A -3 4353
2		9.0A	38 42.472	0.0004	13	-2 31 13.03	-0.006	13	0.27	42.465	16	33.6	12.94	16	33.6	F5	17	6272	A -2 4701
3		9.3A	38 46.834	0.0008	12	-8 34 23.21	-0.000	12	0.25	46.821	16	33.6	23.21	16	33.6	F0	16	6269	A -8 4679
4		8.9A	38 52.322	0.0004	12	-6 37 19.03	0.011	12	0.25	52.315	16	33.6	19.21	16	33.6	K5 R	16	6270	A -6 4855
5		8.9A	38 55.656	-0.0014	12	-8 6 10.44	-0.002	12	0.25	55.678	16	33.6	10.41	16	33.6	B5	16	6271	A -8 4880
6		9.0A	38 55.958	-0.0004	12	-7 6 18.04	-0.003	12	0.25	55.965	16	33.6	18.00	16	33.6	A0	16	6273	A -7 4859
7		9.1A	38 56.134	0.0007	13	-3 55 29.77	-0.002	13	0.27	56.122	16	33.6	29.73	16	33.6	G0	17	6273	A -4 4552
8		8.8T	38 56.835	0.0043	10	-3 10 2.04	0.000	09	0.53	56.604	14	96.0	2.05	14	96.6	K0	GC	25568	-3 4354
9		9.3A	38 59.181	-0.0007	12	-7 53 26.58	-0.006	12	0.25	59.193	16	33.6	26.49	16	33.6	A0	16	6274	A -7 4880
10		8.0A	38 59.915	-0.0011	12	-7 19 11.33	-0.006	12	0.25	59.932	16	33.6	11.24	16	33.6	K2	16	6275	A -7 4861
11		9.0A	39 17.382	0.0025	12	-9 10 37.71	-0.007	12	0.25	17.340	16	33.6	37.60	16	33.6	F8 R	16	6277	A -9 4793
12		9.0A	39 24.106	-0.0013	13	-4 35 41.00	0.002	13	0.27	24.127	16	33.6	41.03	16	33.6	G0	17	6278	A -4 4554
13		8.6A	39 31.175	-0.0000	12	-9 10 47.86	-0.002	12	0.25	31.175	16	33.6	47.83	16	33.6		16	6278	A -9 4795
14		9.1A	39 31.332	-0.0004	09	-1 21 8.85	-0.004	11	0.22	31.337	17	36.5	8.80	17	36.5		21	4652	A -1 3542
15		4.7M	39 32.109	0.0004	01	-9 6 7.26	0.001	01	0.05	32.095	02	18.7	7.28	02	16.0	F0	F4	14867	-9 4796
16		9.3A	39 32.184	-0.0012	13	-4 27 10.92	-0.023	13	0.27	32.144	16	33.6	10.54	16	33.6	K5	17	6277	A -4 4556
17		7.8A	39 33.148	-0.0002	09	-1 2 11.74	-0.033	11	0.22	33.150	17	36.5	11.30	17	36.5	K0	21	4653	A -1 3543
18		7.1T	39 35.609	0.0020	10	-7 23 12.51	-0.004	08	0.48	35.513	15	00.8	12.31	15	97.9	M0	GC	25581	-7 4864
19		8.7A	39 38.221	-0.0010	12	-9 32 23.40	0.005	12	0.25	38.237	16	33.6	23.49	16	33.6	K5	16	6281	A -9 4798
20		9.0A	39 39.464	0.0003	12	-6 51 18.09	0.016	12	0.25	39.459	16	33.6	18.36	16	33.6	B8	16	6282	A -6 4843
21		9.0A	39 41.714	-0.0007	12	-7 17 40.24	0.001	12	0.25	41.726	16	33.6	40.26	16	33.6	A2	16	6283	A -7 4867
22		8.8A	39 44.117	0.0011	12	-4 51 31.86	0.021	12	0.25	44.099	16	33.6	32.20	16	33.6	G0	17	6278	A -4 4557
23		8.9A	39 52.442	-0.0017	12	-7 22 13.62	0.014	12	0.25	52.469	16	33.6	13.85	16	33.6	K5	16	6284	A -7 4869
24		8.2A	39 53.086	0.0006	12	-7 41 15.74	-0.013	12	0.25	53.077	16	33.6	15.53	16	33.6	K2	16	6285	A -7 4868
25		6.1T	39 54.161	-0.0004	12	-7 7 23.56	0.004	11	0.62	54.185	15	97.2	23.78	15	96.7	G5	GC	25586	-7 4870
26		8.2A	39 54.548	0.0008	09	-1 21 21.31	-0.021	11	0.22	54.538	17	36.5	21.03	17	36.5	B9	21	4656	A -1 3544
27		9.0A	39 56.642	-0.0018	12	-9 29 27.81	-0.031	12	0.25	56.671	16	33.6	27.30	16	33.6	K0	16	6286	A -9 4800
28		9.0A	40 1.217	-0.0004	12	-7 44 32.64	0.012	12	0.25	1.224	16	33.6	32.84	16	33.6	A0	16	6288	A -7 4872
29		8.8A	40 2.050	-0.0004	12	-7 0 31.64	0.002	12	0.25	2.057	16	33.6	31.68	16	33.6	A0	16	6289	A -7 4873
30		8.7A	40 11.384	-0.0007	13	-4 51 57.15	0.009	13	0.27	11.395	16	33.6	57.29	16	33.6	A0	17	6279	A -4 4561
31		9.4A	40 16.147	-0.0001	13	-1 48 59.58	-0.014	13	0.27	16.148	16	33.6	59.36	16	33.6	F8 F	17	6281	A -1 3545
32		9.3A	40 16.750	0.0000	13	-5 52 15.90	0.016	13	0.27	16.750	16	33.6	16.17	16	33.6	G0	17	6280	A -5 4734
33		8.1A	40 19.125	-0.0003	12	-9 13 12.13	-0.003	12	0.25	19.129	16	33.6	12.09	16	33.6	K0	16	6291	A -9 4802
34		8.7A	40 20.270	-0.0006	11	-2 0 42.66	-0.021	13	0.25	20.280	16	33.6	42.32	16	33.6	K2	17	6282	A -2 4717
35		8.5A	40 24.785	0.0010	12	-7 46 0.54	-0.039	12	0.25	24.769	16	33.6	59.90	16	33.6	K0	16	6293	A -7 4875
36		8.5A	40 27.932	0.0000	12	-7 1 47.19	-0.010	12	0.25	27.932	16	33.6	47.03	16	33.6	A2	16	6294	A -7 4877
37		8.6A	40 28.522	0.0003	12	-6 53 17.74	-0.003	12	0.25	28.517	16	33.6	17.70	16	33.6	B9	16	6295K	A -6 4852
38		8.9A	40 33.424	0.0002	12	-8 53 27.89	-0.015	12	0.25	33.421	16	33.6	27.65	16	33.6	A0	17	6296	A -8 4685
39		9.2A	40 35.871	-0.0011	13	-6 4 27.84	-0.012	13	0.27	35.889	16	33.6	27.65	16	33.6	A0	17	6283	A -6 4853
40		8.5A	40 38.190	-0.0023	09	-1 0 8.02	-0.012	11	0.22	38.221	17	36.5	7.86	17	36.5	K0	21	4658	A -1 3548
41		8.5A	40 40.479	-0.0006	13	-3 14 19.79	0.047	13	0.27	40.489	16	33.6	20.57	16	33.6	K0	17	6284	A -3 4360
42		8.0A	40 42.216	-0.0010	09	-1 41 47.31	-0.022	11	0.22	42.230	17	36.5	47.02	17	36.5	B5	21	4659	A -1 3549
43		9.0A	40 42.841	-0.0015	12	-9 5 51.19	-0.005	12	0.25	42.865	16	33.6	51.11	16	33.6	F8	16	6298	A -9 4804
44		7.8A	40 43.663	-0.0002	17	-5 44 44.51	0.020	17	0.31	43.666	16	33.6	44.84	16	33.6	K2	17	6285	A -5 4736
45		8.9A	40 45.089	-0.0007	12	-9 22 15.57	0.003	12	0.25	45.100	16	33.6	15.62	16	33.6	B	16	6299	A -9 4805
46		5.1M	40 47.819	0.0014	02	-8 19 34.55	0.007	01	0.05	47.780	02	21.7	34.80	03	16.1	G5	F4	702	-8 4686
47		9.0A	40 50.052	-0.0014	09	-0 36 53.02	-0.006	11	0.22	50.071	17	36.5	52.94	17	36.5	K0	21	4660	A -0 3538
48		8.3A	40 50.129	-0.0001	13	-5 31 0.48	-0.006	13	0.27	50.131	16	33.6	0.39	16	33.6	A2	17	6286	A -5 4738
49		7.1T	40 50.702	0.0025	10	-8 25 9.11	-0.017	07	0.47	50.680	17	01.9	8.23	15	98.1	K0	GC	25611	-8 4687
50		9.0A	40 52.368	-0.0022	13	-2 5 11.30	0.011	13	0.27	52.404	16	33.6	11.49	16	33.6	A2	17	6287	A -2 4718
51		8.8A	18 40 55.414	-0.0002	12	-6 56 34.39	0.005	12	0.25	55.418	16	33.6	34.48	16	33.6	K5	16	6303	A -7 4681
52		8.3A	41 0.748	-0.0013	12	-7 46 56.37	-0.006	12	0.25	0.769	16	33.6	56.28	16	33.6	F8P	16	6304	A -7 4683
53		7.2A	41 1.743	0.0004	09	-1 36 36.66	-0.003	11	0.22	1.738	17	36.5	36.62	17	36.5	MA	21	4661	A -1 3551
54		9.3A	41 3.556	-0.0025	13	-4 15 42.24	-0.046	13	0.27	3.597	16	33.6	41.48	16	33.6	G2 F	17	6288	A -4 4564
55		8.1A	41 6.645	0.0009	12	-8 58 28.23	0.009	12	0.25	6.631	16	33.6	28.38	16	33.6	A3	16	6306	A -9 4811
56		9.0A	41 9.213	0.0020	09	-0 17 16.03	-0.016	11	0.22	9.186	17	36.5	15.81	17	36.5	F2	21	4662	A -0 3539
57		6.3T	41 9.525	0.0030	12	-6 52 8.68	-0.056	11	0.67	9.363	17	94.9	5.54	17	93.8	F5	GC	25617	-6 4859
58		8.9A	41 13.550	-0.0013	12	-6 6 51.92	-0.041	12	0.25	13.571	16	33.6	51.25	16	33.6	G0	16	6308	A -6 4860
59		8.3A	41 18.933	-0.0012	13	-4 31 42.04	-0.003	13	0.27	18.952	16	33.6	41.99	16	33.6	K0	17	6289	A -4 4565
60		8.1A	41 19.445	-0.0003	09	-0 16 33.39	-0.005	11	0.22	19.448	17	36.5	33.32	17	36.5	A0	21	4664K	A -0 3540
61		8.9A	41 19.966	0.0013	09	-1 37 52.29	0.007	11	0.22	19.948	17	36.5	52.39	17	36.5	F0	21	4663	A -1 3552
62		8.3B	41 21.648	0.0021	11	-2 7 15.12	-0.050	12	0.58	21.545	15	00.9	13.70	17	02.1	G5	GC	25621	-2 4720
63		8.2A	41 37.194	-0.0002	09	-1 36 22.32	-0.023	11	0.22	37.196	17	36.5	22.01	17	36.5	B3	21	4665	A -1 3553
64		8.6A	41 45.233	-0.0007	12	-7 40 14.03	0.012	12	0.25	45.245	16	33.6	14.23	16	33.6	F0	16	6309	A -7 4687
65		8.5A	41 45.642	-0.0010	13	-2 32 28.77	0.007	13	0.27	45.658	16	33.6	28.89	16	33.6	K0	17	6291	A -2 4726
66		9.0A	41 47.453	0.0001	12	-9 21 43.96	-0.009	12	0.25	47.451	16	33.6	43.82	16	33.6	A0	16	6310	A -9 4815
67		8.0A	41 51.363	0.0006	12	-7 9 45.82	0.005	12	0.25	51.354	16	33.6	45.91	16	33.6	B0P	16	6311	A -7 4689
68		8.7A	41 52.115	-0.0011	12	-7 38 9.35	0.003	12	0.25	52.132	16	33.6	9.40	16	33.6	F0	16	6312	A -7 4688
69		8.5A	41 53.561	0.0003	13	-3 12 19.31	0.008	13	0.27	53.556	16	33.6	19.45	16	33.6	A2	17	6292	A -3 4367
70		8.8A	41 55.421	-0.0043	13	-3 20 13.01	-0.162	13	0.27	55.492	16	33.6	10.36	16	33.6	G5	17	6293	A -3 4366
71		9.2A	41 58.376	-0.0010	09	-1 44 32.42	-0.001	11	0.22	58.390	17	36.5	32.41	17	36.5	B8 R	21	4666	A -1 3554
72		7.0T	41 59.501	0.0005	14	-6 35 18.74	-0.001	14	0.70	59.489	15	01.6	18.70	15	02.2	K5	GC	25644	-6 4869
73		8.8A	42 0.904	-0.0014	09	-1 50 30.68	-0.068	11	0.22	0.923	17	36.5	29.77	17	36.5	G5	21	4667	A -1 3555
74		8.9A	42 2.389	-0.0003	12	-8 11 15.50	-0.007	12	0.25	2.394	16	33.6	15.39	16	33.6	A0	16	6314	A -8 4692
75		8.1A	42 3.361	0.0004	12	-6 41 23.19	-0.016	12	0.25	3.354	16	33.6	22.93	16	33.6	K2	16	6315	A -6 4871
76		8.2A	42 5.022	0.0008	13	-5 14 24.44	-0.003	13	0.27	5.012	16	33.6	24.39	16	33.6	A5	17	6295	A -5 4744
77		9.1A	42 6.108	-0.0017	13	-3 59 43.12	-0.011	13	0.27	6.136	16	33.6	42.95	16	33.6	F8	17	6296	A -4 4570
78		8.8A	42 8.528	-0.0013	11	-6 23 34.45	-0.008	11	0.23	8.549	16	33.6	34.36	16	33.6	B9	16	6316	A -6 4872
79		8.5A	42 11.340	0.0008	13	-3 39 22.90	-0.005	13	0.27	11.330	16	33.6	22.82	16	33.6	F0	17	6297	A -3 4369
80		8.8A	42 15.243	-0.0000	11	-7 37 35.79	-0.002	11	0.23	15.244	16	33.6	35.76	16	33.6	B8	16	6317	A -7 4692
81		9.2A	42 20.671	-0.0015	09	-0 28 58.56	0.011	11	0.22	20.691	17	36.5	58.71	17	36.5		21	4669	A -0 3542
82		6.8T	42 21.655	-0.0003	07	-0 25 33.14	-0.010	07	0.34	21.668	12	07.1	32.70	14	07.2	B9	GC	25654	-0 3543
83		8.3A	42 24.163	-0.0112	13	-5 33 20.53	-0.068	13	0.27	24.347	16	33.6	19.42	16	33.6	G0	17	6298	A -5 4745
84		8.8A	42 27.139	0.0001	11	-9 27 3.72	-0.002	11	0.23	27.138	16	33.6	3.68	16	33.6	B8	16	6318	A -9 4819
85		8.6A	42 31.481	0.0006	12	-7 1 19.23	0.010	12	0.25	31.472	16	33.6	19.40	16	33.6	K0	16	6319K	A -7 4694
86		9.3A	42 37.227	0.0002	13	-4 50 30.20	0.013	13	0.27	37.224	16	33.6	30.41	16	33.6	G0 F	17	6299	A -4 4573
87		8.6A	42 41.092	-0.0016	09	-1 7 23.69	-0.039	11	0.22	41.114	17	36.5	23.17	17	36.5	K0	21	4671	A -1 3557
88		8.1G	42 49.203	-0.0010	08	-3 17 4.81	-0.009	08	0.46	49.256	14	96.8	4.32	14	94.8	B9	GC	25671K	-3 4373
89		8.0A	42 49.510	-0.0004	12	-4 39 10.45	-0.000	12	0.25	49.517	16	33.6	10.45	16	33.6	B0	17	6300	A -4 4575
90		9.0A	42 53.273	0.0007	13	-4 43 49.52	0.010	13	0.27	53.261	16	33.6	49.68	16	33.6	K0	17	6302	A -4 4577
91		9.0A	42 53.790	0.0013	12	-6 8 0.04	0.003	12	0.25	53.769	16	33.6	0.09	16	33.6	K0	16	6320	A -6 4879
92		9.0A	42 55.614	-0.0011	12	-7 37 55.16	0.018	12	0.25	55.631	16	33.6	55.46	16	33.6	A0	16	6321	A -7 4696
93		8.0A	42 59.410	0.0001	12	-8 35 6.10	0.007	12	0.25	59.408	16	33.6	6.22	16	33.6	K2	16	6322	A -8 4695
94		8.6A	43 4.075	-0.0006	12	-6 30 30.70	0.011	12	0.25	4.086	16	33.6	30.89	16	33.6	K2	16	6323	A -6 4882
95		8.8A	43 8.423	-0.0024	13	-2 1 43.07	-0.087	13	0.27	8.462	16	33.6	41.65	16	33.6	G5	17	6303	A -2 4732
96		8.5A	43 10.644	0.0000	09	-0 19 8.82	-0.017	11	0.22	10.644	17	36.5	8.58	17	36.5	B9	21	4673	A -0 3546
97		9.0A	43 21.080	-0.0017	13	-5 42 34.63	0.010	13	0.27	21.107	16	33.6	34.80	16	33.6	A0	17	6304	A -5 4751
98		8.1T	43 21.099	0.0012	12	-6 18 22.19	-0.007	09	0.53	21.043	18	04.6	21.85	18	00.7	K0	GC	25688	-6 4885
99		8.4A	43 22.739	0.0004	12	-6 22 0.33	0.016	12	0.25	22.732	16	33.6	0.60	16	33.6	B9	16	6327	A -6 4886
00		9.1A	43 27.611	0.0027	09	-0 18 19.03	0.012	11	0.22	27.575	17	36.5	19.18	17	36.5	G0	21	4674	A -0 3548

- 00 18H

142600

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	EPOCH 1950 μ s	EPOCH 1950 σ_μ ″.001	EPOCH 1950 δ_{1950} ° ′ ″	EPOCH 1950 μ' ″	EPOCH 1950 $\sigma_{\mu'}$ ″.001	EPOCH 1950 σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	DM NUMBER
1		8.8A	18 43 29.653	-0.0031	13	-2 5 26.81	0.005	15	0.28	29.704	16	33.6	26.90	16	33.6	AO	17	6305	A -2 4734
2		8.8A	43 30.212	0.0007	12	-6 11 39.95	0.030	12	0.25	30.201	16	33.6	40.45	16	33.6	AO	16	6328	A -6 4888
3		8.8A	43 47.389	-0.0013	12	-8 29 13.89	-0.006	12	0.25	47.394	16	33.6	13.80	16	33.6	AO	16	6329	A -8 4699
4		8.9A	43 52.036	-0.0002	09	-0 44 8.11	-0.010	11	0.22	52.039	17	36.5	7.98	17	36.5	AO	21	4675	A -0 3550
5		7.0T	43 53.454	0.0010	10	-8 10 27.57	0.005	10	0.55	53.406	18	99.2	27.83	17	98.0	AO	GC	25712	-8 4701
6		5.7T	43 53.586	0.0007	03	-1 0 57.14	-0.021	03	0.21	53.547	09	94.2	55.86	09	88.1	AO	GC	25713K	B* -1 3559
7		8.0A	43 54.342	0.0007	14	-1 1 3.72	0.000	11	0.24	54.332	17	36.5	3.72	17	36.5	AO	21	4677	A* -1 3559
8		8.6A	43 55.106	-0.0017	12	-7 59 11.87	-0.007	12	0.25	55.134	16	33.6	11.76	16	33.6	BO	16	6331	A -8 4702
9		9.0A	44 0.059	-0.0010	12	-8 7 22.68	-0.020	12	0.25	0.076	16	33.6	22.36	16	33.6	K2	R 16	6332	A -8 4703
10		7.9A	44 4.988	0.0005	12	-6 44 42.13	0.008	12	0.25	4.980	16	33.6	42.27	16	33.6	B8	16	6333	A -6 4893
11		9.1A	44 11.692	0.0003	12	-2 4 30.92	-0.009	12	0.25	11.688	16	33.6	30.78	16	33.6	B9	17	6306	A -2 4737
12		7.0A	44 12.173	0.0005	12	-7 38 2.54	0.008	12	0.25	12.165	16	33.6	2.67	16	33.6	B9	16	6334	A -7 4700
13		9.1A	44 13.495	-0.0007	12	-6 5 40.83	-0.002	12	0.25	13.507	16	33.6	40.80	16	33.6	M0	R 16	6335	A -6 4894
14		8.8A	44 14.036	-0.0007	13	-2 25 55.47	-0.007	13	0.27	14.048	16	33.6	55.36	16	33.6	A3	17	6307	A -2 4738
15		8.6A	44 20.806	-0.0011	13	-3 50 6.56	0.001	13	0.27	20.823	16	33.6	6.58	16	33.6	A2	17	6308	A -3 4378
16		7.1T	44 27.636	0.0001	13	-5 57 13.60	0.003	13	0.73	27.628	17	95.8	13.77	17	95.1	AO	GC	25727	-6 4897
17		9.0A	44 30.031	-0.0004	13	-2 29 27.10	0.007	13	0.27	30.037	16	33.6	27.22	16	33.6	F0	17	6311K	A -2 4740
18		4.5H	44 31.239	-0.0005	01	-4 48 10.73	-0.017	01	0.05	31.255	03	18.1	10.19	03	17.3	G0	F4	1489	-4 4582
19		8.7A	44 39.597	-0.0011	12	-9 21 49.28	0.002	12	0.25	39.615	16	33.6	49.32	16	33.6	B	16	6337	A -9 4835
20		4.5I	44 48.745	-0.0030	04	-5 45 37.40	-0.028	04	0.26	48.900	10	97.6	35.82	10	93.3	K0P	GC	25735V	B* -5 4760
21		8.7Q	44 49.758	-0.0082	12	-3 41 28.91	-0.247	12	0.56	50.121	15	05.8	17.43	15	03.5	K5	GC	25736	-3 4380
22		8.7A	44 59.395	-0.0012	12	-5 57 45.01	0.014	12	0.25	59.414	16	33.6	45.24	16	33.6	G0	16	6339	A -7 4710
23		9.0A	45 0.477	0.0004	12	-6 41 28.49	0.005	12	0.25	0.471	16	33.6	28.57	16	33.6	A0	16	6340	A -6 4905
24		9.1A	45 2.572	0.0012	12	-6 17 21.19	0.001	12	0.25	2.553	16	33.6	21.21	16	33.6	B0	R 16	6341	A -6 4906
25		8.7A	45 6.486	-0.0002	12	-7 6 6.68	-0.008	12	0.25	6.430	16	33.6	6.55	16	33.6	B5	16	6342	A -7 4713
26		8.4A	45 10.411	-0.0031	09	-0 17 34.65	0.044	11	0.22	10.452	17	36.5	35.24	17	36.5	G0	21	4680	A -0 3555
27		9.1A	45 20.508	-0.0002	12	-9 4 7.12	0.005	12	0.25	20.510	16	33.6	7.21	16	33.6	B8	R 16	6343	A -9 4838
28		9.3A	45 23.732	-0.0006	12	-9 9 52.92	0.005	12	0.25	23.742	16	33.6	53.01	16	33.6	F0	R 16	6344	A -9 4839
29		9.0A	45 29.445	0.0000	12	-4 35 0.51	-0.004	12	0.25	29.444	16	33.6	0.44	16	33.6	K0	F 17	6314	A -4 4583
30		8.8A	45 33.494	-0.0009	12	-7 29 13.74	0.010	12	0.25	33.509	16	33.6	13.91	16	33.6	K0	16	6345	A -7 4717
31		9.1A	45 36.338	-0.0018	13	-4 16 20.61	-0.005	13	0.27	36.368	16	33.6	20.53	16	33.6	A0	17	6315	A -4 4585
32		8.3A	45 42.398	-0.0006	12	-4 59 27.70	-0.066	12	0.25	42.408	16	33.6	26.61	16	33.6	F5	17	6316	A -5 4768
33		9.0A	45 45.812	0.0009	13	-2 22 10.98	0.010	13	0.27	45.798	16	33.6	11.15	16	33.6	F8	17	6317	A -2 4749
34		8.9A	45 46.460	0.0001	09	-0 27 45.67	-0.006	11	0.22	46.458	17	36.5	45.59	17	36.5	F5	21	4683	A -0 3559
35		8.6A	45 52.383	-0.0008	12	-6 31 18.61	0.012	12	0.25	52.396	16	33.6	18.81	16	33.6	B0	16	6347	A -6 4910
36		8.8A	45 53.089	0.0001	12	-8 39 34.41	-0.056	12	0.25	53.087	16	33.6	33.49	16	33.6	G5	16	6346	A -8 4712
37		8.4A	45 53.678	0.0004	12	-7 11 21.52	0.002	12	0.25	53.671	16	33.6	21.56	16	33.6	K5	16	6349	A -7 4721
38		9.3A	45 55.320	-0.0009	12	-8 47 9.08	-0.005	12	0.25	55.335	16	33.6	9.00	16	33.6	F8	R 16	6348	A -8 4713
39		9.2A	45 57.636	0.0052	13	-6 3 8.80	0.049	13	0.27	57.550	16	33.6	9.61	16	33.6	G2	F 17	6318	A -6 4912
40		6.5T	45 58.720	-0.0001	07	-6 3 43.05	0.023	05	0.42	58.724	14	88.4	44.58	12	84.2	A2	GC	25765K	-6 4913
41		8.0A	46 0.519	-0.0001	13	-3 9 49.41	-0.001	13	0.27	0.520	16	33.6	49.40	16	33.6	A0	17	6320	A -3 4382
42		9.4A	46 3.430	0.0005	09	-0 5 36.10	-0.027	11	0.22	3.424	17	36.5	35.73	17	36.5	A0	21	4684	A -0 3560
43		8.8A	46 5.704	-0.0005	13	-3 57 26.43	-0.021	13	0.27	5.713	16	33.6	26.09	16	33.6	A0	17	6321	A -4 4587
44		9.0A	46 9.670	0.0005	12	-9 4 53.00	-0.033	12	0.25	9.662	16	33.6	52.40	16	33.6	A0	16	6352	A -9 4840
45		9.4A	46 11.317	0.0012	13	-4 11 1.92	0.005	13	0.27	11.298	16	33.6	2.01	16	33.6	G5	F 17	6322	A -4 4588
46		8.6A	46 11.349	-0.0007	12	-6 24 7.75	-0.008	12	0.25	11.360	16	33.6	7.62	16	33.6	G5	16	6354	A -6 4916
47		8.7A	46 13.175	-0.0022	12	-9 2 11.34	-0.059	11	0.24	13.211	16	33.6	10.37	16	33.6	F8	16	6353	A -9 4841
48		7.6T	46 15.491	0.0004	17	-8 30 57.95	-0.007	11	0.73	15.474	24	02.3	57.58	21	97.3	B3	GC	25775	-8 4714
49		9.5A	46 16.424	-0.0008	13	-1 43 53.23	-0.012	13	0.27	16.437	16	33.6	53.04	16	33.6	K2	F 17	6324	A -1 3567
50		9.1A	46 17.278	-0.0001	11	-3 5 20.95	0.008	11	0.23	17.279	16	33.6	21.09	16	33.6	K0	17	6323	A -3 4383
51		8.7A	18 46 19.411	0.0001	11	-2 33 33.79	0.015	11	0.23	19.409	16	33.6	34.04	16	33.6	F2	17	6325	A -2 4751
52		8.8A	46 22.085	-0.0011	13	-7 1 22.35	0.021	13	0.27	22.104	16	33.6	22.70	16	33.6	K5	16	6356	A -7 4723
53		8.9A	46 26.869	0.0006	12	-6 53 3.85	-0.008	12	0.25	26.859	16	33.6	3.72	16	33.6	B9	16	6358	A -6 4917
54		7.3T	46 36.442	-0.0010	12	-8 22 12.01	-0.031	10	0.57	36.493	18	01.8	10.49	15	00.8	K0	GC	25781	-8 4717
55		8.0A	46 40.428	-0.0009	09	-1 2 22.07	-0.015	11	0.22	40.440	17	36.5	21.87	17	36.5	A0	21	4688	A -1 3570
56		9.1A	46 44.747	0.0028	12	-6 13 14.85	0.026	12	0.25	44.702	16	33.6	15.28	16	33.6	G0	16	6360	A -6 4919
57		8.6A	46 46.116	-0.0019	09	-0 27 13.14	-0.014	11	0.22	46.141	17	36.5	12.94	17	36.5	B5	21	4689	A -0 3563
58		9.1A	46 46.349	0.0005	11	-3 6 6.21	0.018	11	0.23	46.340	16	33.6	6.51	16	33.6	K0	17	6326	A -3 4385
59		8.2A	46 47.428	-0.0014	09	-0 3 41.35	-0.017	11	0.22	47.446	17	36.5	41.11	17	36.5	K5	21	4690	A -0 3564
60		7.9A	46 51.539	0.0007	12	-7 37 30.72	0.000	12	0.25	51.527	16	33.6	30.72	16	33.6	B9	16	6361	A -7 4726
61		6.2T	47 0.358	0.0001	07	-5 58 15.38	-0.006	07	0.40	0.355	12	93.4	15.05	12	93.0	K0	GC	25801K	-6 4922
62		8.7Q	47 1.566	-0.0007	09	-6 0 5.96	0.025	11	0.56	1.606	18	96.7	7.20	18	00.8	K0	GC	25802K	B* -6 4923
63		9.2A	47 1.647	0.0014	12	-6 52 47.86	0.013	12	0.25	1.625	16	33.6	48.08	16	33.6	B9	16	6364	A -6 4921
64		8.6A	47 7.778	-0.0005	12	-8 15 4.08	-0.032	12	0.25	7.786	16	33.6	3.56	16	33.6	K5	16	6366	A -8 4721
65		8.8A	47 12.068	0.0000	12	-7 31 48.65	0.003	12	0.25	12.068	16	33.6	48.70	16	33.6	A0	16	6367	A -7 4729
66		8.9A	47 20.823	0.0021	12	-8 54 49.57	0.006	12	0.25	20.788	16	33.6	49.67	16	33.6	F0	16	6368	A -9 4849
67		8.6A	47 22.087	-0.0009	11	-8 26 39.44	0.001	11	0.23	22.101	16	33.6	39.46	16	33.6	K5	16	6369	A -8 4723
68		9.0A	47 22.947	0.0006	12	-6 33 28.14	-0.036	12	0.25	22.938	16	33.6	27.55	16	33.6	F2	16	6371	A -6 4924
69		8.8A	47 23.274	-0.0002	12	-8 58 31.04	0.009	12	0.25	23.276	16	33.6	31.19	16	33.6	A5	16	6370	A -9 4850
70		8.3A	47 23.344	-0.0008	11	-5 0 42.49	0.008	11	0.23	23.357	16	33.6	42.63	16	33.6	G5	17	6329	A -5 4775
71		8.7A	47 24.342	-0.0006	12	-6 28 33.02	-0.012	12	0.25	24.351	16	33.6	32.83	16	33.6	K5	16	6372	A -6 4925
72		9.0A	47 25.873	0.0012	11	-6 2 16.96	0.013	11	0.23	25.853	16	33.6	17.18	16	33.6	A0	17	6330	A -6 4926
73		7.1T	47 30.696	-0.0029	11	-3 40 50.59	-0.078	11	0.60	30.852	15	96.4	46.54	14	98.1	K2	GC	25821	-3 4388
74		7.0I	47 37.090	-0.0000	15	-7 57 59.35	0.002	14	0.67	37.091	18	06.8	59.44	18	04.7	N8	GC	25824V	B* -8 4726
75		9.0A	47 38.128	0.0005	09	-0 4 19.38	-0.016	11	0.22	38.122	17	36.5	19.16	17	36.5	F5	21	4693	A -0 3568
76		8.6A	47 40.058	0.0002	12	-7 19 43.49	-0.028	12	0.25	40.055	16	33.6	43.04	16	33.6	A5	16	6375	A -7 4733
77		8.8A	47 43.373	0.0024	11	-6 56 1.53	0.002	11	0.23	43.334	16	33.6	1.57	16	33.6	F0	16	6376	A -7 4735
78		8.9A	47 46.659	0.0022	13	-7 12 2.47	-0.004	13	0.27	46.623	16	33.6	2.41	16	33.6	A3	17	6332	A -2 4757
79		8.5A	47 47.580	0.0010	12	-7 4 16.03	-0.019	12	0.25	47.563	16	33.6	15.72	16	33.6	F2	16	6377	A -7 4736
80		8.7A	47 49.410	-0.0013	12	-7 22 14.63	-0.020	12	0.25	49.432	16	33.6	14.31	16	33.6	G5	16	6379	A -7 4737
81		8.7A	47 51.593	0.0002	13	-5 26 37.64	0.001	13	0.27	51.590	16	33.6	37.66	16	33.6	F8	17	6333	A -5 4777
82		9.1A	47 51.859	0.0002	12	-9 40 55.72	0.009	12	0.25	51.856	16	33.6	55.87	16	33.6	A0	16	6378	A -9 4852
83		9.0A	47 52.056	0.0025	13	-2 29 29.14	-0.012	13	0.27	52.014	16	33.6	28.95	16	33.6	K0	17	6335	A -2 4758
84		8.4A	47 54.306	0.0007	17	-5 1 12.37	0.003	17	0.31	54.494	16	33.6	12.42	16	33.6	A3	17	6334	A -5 4778
85		9.0A	47 55.019	0.0008	11	-8 56 14.70	0.005	11	0.23	55.006	16	33.6	14.79	16	33.6	B9	16	6380	A -9 4854
86		8.4A	47 58.111	-0.0004	12	-7 53 52.45	-0.032	12	0.25	58.118	16	33.6	51.93	16	33.6	B9	16	6381	A -7 4739
87		8.8A	48 3.441	-0.0013	12	-8 2 22.96	-0.014	12	0.25	3.462	16	33.6	22.74	16	33.6	G5	16	6382K	A -8 4729
88		8.7A	48 4.537	0.0002	09	-0 25 13.63	0.006	11	0.22	4.534	17	36.5	13.70	17	36.5	K5	21	4696	A -0 3570
89		9.1A	48 6.594	-0.0012	09	-1 52 49.82	-0.026	11	0.22	6.610	17	36.5	49.47	17	36.5	F8	21	4695	A -1 3574
90		9.5A	48 7.192	-0.0017	15	-1 47 25.28	-0.016	15	0.29	7.219	16	33.6	25.02	16	33.6	G0	R 17	6337	A -1 3575
91		8.9A	48 13.161	-0.0014	12	-9 53 13.73	-0.007	12	0.25	13.184	16	33.6	13.62	16	33.6		16	6383	A -9 4858
92		5.9T	48 13.396	-0.0001	10	-9 50 2.04	-0.003	06	0.45	13.404	18	95.6	1.90	14	01.9	F0	GC	25846	-9 4859
93		9.0A	48 14.784	-0.0004	09	-0 37 4.67	-0.020	11	0.22	14.789	17	36.5	4.40	17	36.5	B8	21	4697	A -0 3571
94		8.6A	48 26.976	-0.0009	12	-7 51 32.23	-0.006	12	0.25	26.991	16	33.6	32.14	16	33.6	B2	16	6385	A -7 4740
95		8.0T	48 27.001	0.0002	09	-6 20 20.32	0.007	08	0.40	26.990	15	07.7	20.63	15	06.4	B8	GC	25853K	B* -6 4929
96		8.9T	48 28.036	-0.0033	04	-3 19 13.17	-0.053	04	0.23	28.202	10	99.5	10.29	09	95.4	A2	GC	25855	B* -3 4390
97		9.2A	48 29.918	-0.0059	09	-0 7 0.58	-0.023	11	0.22	29.998	17	36.5	0.26	17	36.5	K0	21	4699	A -0 3572
98		8.1A	48 29.981	-0.0001	12	-8 0 19.54	-0.008	12	0.25	29.983	16	33.6	19.41	16	33.6	K0	16	6387	A -8 4732
99		7.4A	48 30.632	0.0009	12	-8 4 13.53	-0.021	12	0.25	30.618	16	33.6	13.19	16	33.6	K0	16	6388	A -8 4733
00		8.9A	48 34.476	-0.0012	12	-9 6 6.31	-0.038	12	0.25	34.496	16	33.6	5.69	16	33.6	A2	16	6389	A -9 4862

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EPOCH 1950 — ORIGINAL EPOCH — SOURCE — − 00 18H

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	α_{1950} h m s	μ s	σ_μ .001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ .001	σ_{1950} ″	α_2 s	σ .01	ep.	δ_2 ″	σ' .01	ep.	SP.		CAT.	STAR NUMBER	DM	DM NUMBER
1		8.9A	18 48 34.777	-0.0013	12	-9 19 3.61	-0.003	12	0.25	34.798	16	33.6	3.56	16	33.6	M0	R	16	6390	A	-9 4861
2		9.0A	48 35.844	0.0007	12	-6 24 47.12	-0.019	12	0.25	35.833	16	33.6	46.81	16	33.6	F8		16	6391	A	-6 4932
3		8.8A	48 36.580	0.0012	12	-6 24 5.65	0.005	12	0.25	36.571	16	33.6	5.74	16	33.6	K	R	16	6392	A	-6 4933
4		9.0A	48 38.333	-0.0012	09	-0 40 12.06	-0.020	11	0.22	39.349	17	36.5	11.79	17	36.5	A0		21	4700K	A	-0 3574
5		8.9A	48 40.043	-0.0007	12	-7 11 15.57	-0.001	12	0.25	40.055	16	33.6	15.56	16	33.6	K5	R	16	6393	A	-7 4741
6		6.0T	48 44.546	-0.0002	04	-3 22 40.70	-0.025	03	0.16	44.555	07	06.3	39.58	06	05.0	A3		GC	25862	B*	-3 4392
7		8.8A	48 49.883	0.0008	13	-2 45 41.53	-0.037	13	0.27	49.848	16	33.6	40.93	16	33.6	F5		17	6340	A	-2 4761
8		8.8A	48 56.147	-0.0005	12	-9 48 7.72	-0.001	12	0.25	56.162	16	33.6	7.71	16	33.6	MA		16	6394	A	-9 4863
9		8.9A	48 56.609	-0.0001	11	-8 28 0.07	-0.016	11	0.23	56.611	16	33.6	59.81	16	33.6	B9		16	6395	A	-8 4736
10		8.9A	48 57.900	-0.0036	09	-1 36 53.16	0.104	11	0.22	57.975	17	36.5	54.57	17	36.5	G0		21	4702	A	-1 3580
11		8.3A	48 59.234	0.0010	13	-5 23 34.13	0.009	13	0.27	59.218	16	33.6	34.28	16	33.6	A0		17	6341	A	-5 4786
12		9.0A	49 2.330	0.0010	12	-2 2 33.83	0.010	12	0.25	2.314	16	33.6	34.00	16	33.6	F5		17	6342	A	-2 4762
13		8.2A	49 2.886	-0.0010	09	-1 6 17.93	-0.017	11	0.22	2.900	17	36.5	17.70	17	36.5	B9		21	4704	A	-1 3581
14		8.8A	49 5.105	-0.0014	09	-1 49 13.41	-0.006	11	0.22	5.122	17	36.5	13.33	17	36.5	B9		21	4705	A	-1 3582
15		9.0A	49 5.869	-0.0000	12	-9 21 1.39	-0.006	12	0.25	5.869	16	33.6	1.30	16	33.6	F5	R	16	6396	A	-9 4864
16		8.5A	49 6.823	-0.0036	13	-5 8 47.27	-0.040	13	0.27	6.883	16	33.6	46.62	16	33.6	G0		17	6343	A	-5 4787
17		8.7A	49 15.209	-0.0034	12	-9 19 47.55	-0.162	12	0.25	15.265	16	33.6	44.57	16	33.6	K0		16	6397	A	-9 4866
18		9.6A	49 15.413	-0.0020	15	-9 46 50.77	0.085	17	0.31	15.446	18	33.6	52.17	16	33.6	A3	J	11	6484	A	-9 4865
19		9.2A	49 19.072	0.0004	11	-5 58 40.55	0.013	11	0.23	19.066	16	33.6	40.77	16	33.6	K5	R	17	6345	A	-6 4938
20		8.8A	49 19.887	0.0004	12	-7 36 24.26	0.003	12	0.25	19.880	16	33.6	24.31	16	33.6	B9		16	6399	A	-7 4744
21		9.2A	49 20.603	0.0007	12	-9 7 12.09	-0.025	12	0.25	20.592	16	33.6	11.68	16	33.6			16	6398	A	-9 4867
22		9.0A	49 20.616	0.0012	13	-5 13 10.30	-0.021	13	0.27	20.597	16	33.6	9.96	16	33.6	A0		17	6346	A	-5 4788
23		7.8A	49 22.352	-0.0005	12	-9 8 37.60	-0.004	12	0.25	22.360	16	33.6	37.53	16	33.6	F2		16	6400	A	-9 4868
24		9.0A	49 24.596	-0.0007	12	-7 39 18.14	0.004	12	0.25	24.608	16	33.6	18.21	16	33.6	B9		16	6402	A	-7 4745
25		8.5Q	49 25.832	0.0003	09	-7 19 11.56	-0.026	05	0.41	25.820	18	03.6	10.05	15	91.6	B9		GC	25878K		-7 4746
26		8.7A	49 26.133	0.0009	12	-7 3 11.10	-0.028	12	0.25	26.118	16	33.6	10.65	16	33.6	A0		16	6404	A	-7 4747
27		9.0A	49 27.185	0.0005	09	-3 34 48.48	-0.009	09	0.22	27.177	16	33.6	48.34	16	33.6	K2		16	6347	A	-3 4395
28		8.9A	49 32.196	0.0004	12	-6 51 50.51	-0.011	12	0.25	32.189	16	33.6	50.70	16	33.6	A2		16	6405	A	-6 4939
29		8.1A	49 32.817	0.0002	09	-0 16 52.84	-0.011	11	0.22	32.814	17	36.5	52.68	17	36.5	A3		21	4708	A	-0 3578
30		8.8A	49 35.901	0.0012	12	-8 50 7.30	0.003	12	0.25	35.881	16	33.6	7.35	16	33.6	K0		16	6406	A	-8 4740
31		7.2A	49 47.645	-0.0006	13	-3 47 13.88	-0.021	13	0.27	47.655	16	33.6	13.54	16	33.6	K5		17	6348	A	-3 4397
32		8.9A	49 48.822	-0.0006	12	-8 24 0.18	-0.023	12	0.25	48.832	16	33.6	59.81	16	33.6	F2		16	6407	A	-8 4741
33		9.0A	49 49.559	-0.0002	13	-5 24 0.22	-0.008	13	0.27	49.562	16	33.6	0.09	16	33.6	MA		17	6349	A	-5 4792
34		9.2A	49 50.981	0.0009	12	-8 59 42.60	-0.009	12	0.25	50.967	16	33.6	42.45	16	33.6	A3		16	6408	A	-9 4871
35		8.7A	49 51.351	0.0001	13	-2 43 32.83	0.004	13	0.27	51.349	16	33.6	32.90	16	33.6	G5		17	6350	A	-2 4765
36		8.9A	49 56.142	0.0001	12	-7 34 1.07	-0.013	12	0.25	56.141	16	33.6	0.86	16	33.6	B9		16	6409	A	-7 4750
37		8.5A	50 4.381	0.0006	09	-2 18 7.33	0.018	09	0.22	4.371	16	33.6	7.63	16	33.6	A3		17	6352	A	-2 4768
38		7.5A	50 5.061	0.0006	13	-5 54 39.36	0.021	13	0.27	5.052	16	33.6	39.71	16	33.6	B9		17	6351	A	-6 4941
39		8.8A	50 10.334	0.0013	13	-4 49 31.53	-0.003	13	0.27	10.312	16	33.6	31.48	16	33.6	A0		17	6353	A	-4 4603
40		9.1A	50 11.248	0.0000	09	-2 53 9.62	-0.016	09	0.22	11.248	16	33.6	9.36	16	33.6	K2	F	17	6354	A	-2 4769
41		6.3T	50 16.959	0.0025	14	-9 38 17.66	-0.003	13	0.68	16.837	18	02.5	17.52	18	00.8	A3		GC	25897		-9 4876
42		8.8A	50 17.205	0.0004	12	-6 20 17.94	0.006	12	0.25	17.165	16	33.6	18.04	16	33.6	G0		16	6413	A	-6 4942
43		9.0A	50 20.908	-0.0007	12	-7 32 26.15	0.028	12	0.25	20.920	16	33.6	26.61	16	33.6	K0		16	6414	A	-7 4753
44		8.8A	50 20.968	-0.0015	12	-6 11 58.75	0.007	12	0.25	20.993	16	33.6	58.87	16	33.6	F8		16	6415	A	-6 4943
45		9.0A	50 23.791	-0.0011	12	-7 54 59.03	-0.017	12	0.25	23.808	16	33.6	58.76	16	33.6	A0		16	6416	A	-8 4747
46		8.2A	50 25.733	-0.0017	09	-0 0 37.95	-0.045	11	0.22	25.755	17	36.5	37.33	17	36.5	K5		21	4709	A	-0 3579
47		8.9A	50 29.424	0.0012	12	-7 8 3.27	0.000	12	0.25	29.405	16	33.6	3.27	16	33.6	B5		16	6417	A	-7 4755
48		8.7A	50 29.516	-0.0003	13	-4 7 7.33	0.007	13	0.27	29.521	16	33.6	7.44	16	33.6	K5		17	6355	A	-4 4606
49		7.5A	50 32.108	-0.0004	13	-4 47 39.91	0.005	13	0.27	32.101	16	33.6	39.99	16	33.6	A0		17	6356	A	-4 4607
50		9.0A	50 35.023	-0.0010	13	-4 30 19.46	0.009	13	0.27	35.040	16	33.6	19.60	16	33.6	B2	F	17	6357	A	-4 4608
51		8.5A	18 50 35.631	0.0006	12	-6 19 55.89	-0.009	12	0.25	35.622	16	33.6	55.75	16	33.6	K2		16	6419	A	-6 4944
52		8.8A	50 36.392	-0.0035	13	-2 29 55.52	0.057	13	0.27	36.449	16	33.6	56.46	16	33.6	F8		17	6360	A	-2 4773
53		8.7A	50 37.049	-0.0003	12	-8 44 26.62	-0.018	12	0.25	37.053	16	33.6	26.33	16	33.6	K2		16	6418	A	-8 4748
54		8.3A	50 37.650	-0.0006	13	-4 16 56.87	-0.009	13	0.27	37.659	16	33.6	56.72	16	33.6	B9		17	6358	A	-4 4609
55		8.7A	50 39.254	-0.0005	13	-5 18 20.83	-0.055	13	0.27	39.262	16	33.6	19.94	16	33.6	K2		17	6359	A	-5 4794
56		8.7A	50 41.460	0.0014	12	-6 37 28.46	0.013	12	0.25	41.436	16	33.6	28.68	16	33.6	K5		16	6420	A	-6 4946
57		9.0A	50 42.228	-0.0011	09	-1 45 36.61	-0.014	11	0.22	42.244	17	36.5	36.43	17	36.5	A0		21	4710	A	-1 3587
58		8.7A	50 45.312	-0.0016	12	-8 38 8.84	-0.004	12	0.25	45.339	16	33.6	8.78	16	33.6	A0		16	6421	A	-8 4749
59		8.4A	50 51.025	0.0011	13	-3 37 1.97	-0.002	13	0.27	51.006	16	33.6	1.94	16	33.6	A0		17	6362	A	-3 4401
60		9.0A	50 52.295	0.0005	11	-8 4 20.68	0.008	12	0.24	52.286	16	33.6	20.81	16	33.6	A2		16	6422	A	-8 4751
61		9.2A	50 56.507	-0.0007	09	-0 38 0.67	-0.027	11	0.22	56.516	17	36.5	0.31	17	36.5	B9		21	4711	A	-0 3583
62		8.8A	50 57.520	0.0003	13	-4 44 17.82	0.003	13	0.27	57.515	16	33.6	17.87	16	33.6	K2		17	6363	A	-4 4611
63		8.7A	51 1.731	-0.0011	13	-5 36 23.63	-0.012	13	0.27	1.748	16	33.6	23.44	16	33.6	G5		17	6364K	A	-5 4798
64		6.9T	51 11.317	-0.0017	26	-9 26 1.76	-0.017	26	1.08	11.389	22	08.8	1.06	22	08.8	A2		GC	25920		-9 4886
65		9.4A	51 14.175	-0.0012	09	-1 45 50.64	-0.017	11	0.22	14.191	17	36.5	50.41	17	36.5	K2		21	4713	A	-1 3589
66		9.2A	51 20.149	-0.0004	12	-9 33 56.52	-0.010	12	0.25	20.155	16	33.6	56.36	16	33.6	B8		16	6424	A	-9 4888
67		8.0A	51 20.841	0.0008	13	-4 41 24.74	0.008	13	0.27	20.827	16	33.6	24.87	16	33.6	B9		17	6367	A	-4 4614
68		8.6A	51 20.927	0.0012	13	-5 42 31.05	-0.025	13	0.27	20.908	16	33.6	30.65	16	33.6	K0		17	6366	A	-5 4800
69		8.9A	51 25.566	-0.0007	12	-6 10 29.13	0.019	12	0.25	25.578	16	33.6	29.45	16	33.6	G5		16	6426	A	-6 4949
70		9.0A	51 25.650	-0.0008	11	-3 45 38.04	-0.004	11	0.23	25.663	16	33.6	37.97	16	33.6	K0		17	6368	A	-3 4404
71		8.6A	51 26.963	0.0014	12	-7 35 50.56	0.032	12	0.25	26.939	16	33.6	51.09	16	33.6	A2		16	6425	A	-7 4759
72		8.9A	51 29.499	-0.0001	12	-8 2 35.34	-0.020	12	0.25	29.501	16	33.6	35.02	16	33.6	K0		16	6427	A	-8 4754
73		8.8A	51 30.210	-0.0029	09	-1 22 12.20	-0.031	11	0.22	30.249	17	36.5	11.79	17	36.5	G0		21	4714	A	-1 3591
74		8.8A	51 30.651	-0.0004	12	-7 23 19.48	-0.005	12	0.25	30.658	16	33.6	19.40	16	33.6	B9		16	6428	A	-7 4761
75		8.8A	51 35.771	0.0006	12	-8 24 17.95	-0.007	12	0.25	35.761	16	33.6	17.84	16	33.6	A0		16	6429	A	-8 4756
76		8.4A	51 38.127	-0.0003	09	-1 36 35.72	-0.063	11	0.22	38.131	17	36.5	34.87	17	36.5	F8		21	4715	A	-1 3592
77		9.1A	51 38.772	0.0003	15	-1 56 58.30	0.000	15	0.29	38.766	16	33.6	58.31	16	33.6	G0	R	17	6369	A	-2 4779
78		8.7A	51 41.441	-0.0013	12	-7 39 40.20	0.001	12	0.25	41.463	16	33.6	40.22	16	33.6	B9		16	6430	A	-7 4763
79		8.8A	51 43.167	0.0012	12	-6 32 26.86	0.008	12	0.25	43.147	16	33.6	26.99	16	33.6	A0		16	6431	A	-6 4952
80		9.2G	51 44.491	-0.0118	15	-4 39 47.42	-0.433	16	0.69	44.994	18	07.4	28.80	18	07.0	G0		GC	25928		-4 4617
81		8.7A	51 46.637	-0.0005	13	-5 26 38.64	0.008	13	0.27	46.645	16	33.6	38.78	16	33.6	B8		17	6371	A	-5 4802
82		9.0A	51 46.947	-0.0010	13	-4 43 46.33	-0.032	13	0.27	46.964	16	33.6	45.80	16	33.6	F8		17	6373	A	-4 4619
83		8.0A	51 47.327	-0.0007	13	-6 1 17.34	-0.010	13	0.27	47.339	16	33.6	17.18	16	33.6	G5		17	6372	A	-6 4953
84		9.0A	51 49.239	-0.0030	15	-4 47 12.91	-0.024	13	0.27	49.190	16	33.6	12.51	16	33.6	F8		17	6374	A	-4 4620
85		9.1A	51 52.260	-0.0023	13	-5 48 29.03	0.013	13	0.27	52.298	16	33.6	29.25	16	33.6	K2		17	6375	A	-5 4804
86		9.0A	51 57.431	-0.0034	12	-9 31 21.83	-0.049	12	0.25	57.486	16	33.6	21.03	16	33.6	K0		16	6435	A	-9 4895
87		9.0A	52 0.162	-0.0032	09	-1 21 39.70	-0.015	11	0.22	0.205	17	36.5	39.50	17	36.5	F8		21	4718	A	-1 3595
88		8.8A	52 2.475	0.0001	12	-9 3 42.32	-0.005	12	0.25	2.474	16	33.6	42.24	16	33.6	B8		16	6436	A	-9 4896
89		9.0A	52 4.297	-0.0007	09	-0 48 2.90	-0.020	11	0.22	4.306	17	36.5	2.63	17	36.5	B9		21	4719	A	-0 3590
90		9.2A	52 4.396	-0.0015	13	-3 41 50.40	0.007	13	0.27	4.421	16	33.6	50.51	16	33.6	A0		17	6376	A	-3 4409
91		9.5A	52 5.902	-0.0012	12	-8 16 30.52	-0.018	12	0.25	5.921	16	33.6	30.23	16	33.6	F8		16	6437	A	-8 4760
92		9.1A	52 9.985	0.0018	13	-4 34 19.74	0.027	13	0.27	9.956	16	33.6	20.18	16	33.6	A5		17	6377	A	-4 4624
93		9.0A	52 15.232	-0.0002	12	-9 3 48.53	0.008	12	0.25	15.234	16	33.6	48.66	16	33.6	K5	R	16	6438	A	-9 4900
94		8.3A	52 21.457	-0.0005	12	-8 52 31.66	-0.027	12	0.25	21.465	16	33.6	31.22	16	33.6	K2		16	6439	A	-8 4761
95		8.8A	52 29.433	-0.0025	11	-1 56 27.21	-0.155	11	0.23	29.474	16	33.6	24.68	16	33.6	G0		17	6378	A	-2 4782
96		9.5A	52 31.293	0.0002	12	-8 39 19.96	-0.019	12	0.25	31.290	16	33.6	19.65	16	33.6	B9		16	6440	A	-8 4763
97		9.1A	52 37.579	0.0007	12	-6 12 45.14	-0.005	12	0.25	37.567	16	33.6	45.06	16	33.6	A0		16	6441	A	-6 4959
98		8.0A	52 41.982	-0.0009	13	-5 12 20.05	-0.009	13	0.27	41.997	16	33.6	19.91	16	33.6	K2		17	6379	A	-5 4807
99		9.2A	52 45.422	-0.0001	12	-6 25 43.55	-0.012	12	0.25	45.424	16	33.6	43.36	16	33.6	A2		16	6444	A	-6 4960
00		9.0A	52 48.951	-0.0008	12	-7 6 13.44	0.015	12	0.25	48.964	16	33.6	13.69	16	33.6	K0		16	6445	A	-7 4766

142800

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ s	σ_μ .001"	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ .001"	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ .01"	ep.	δ_2 ″	σ' .01"	ep.	SP.	SOURCE CAT.	STAR NUMBER	DM	NUMBER
1		8.7A	18 52 52.021	0.0001	13	-2 53 19.89	0.027	13	0.27	52.019	16	33.6	20.34	16	33.6	K0	17	6380	A	-3 4413
2		8.3A	52 56.330	-0.0010	12	-9 20 30.34	0.042	12	0.25	56.347	16	33.6	31.03	16	33.6	F2	16	6446	A	-9 4906
3		8.0A	52 56.823	0.0003	13	-2 22 18.03	-0.013	13	0.27	56.817	16	33.6	17.82	16	33.6	A0	17	6381	A	-2 4784
4		9.3A	53 0.673	0.0009	09	-9 34 26.30	0.015	11	0.22	0.658	16	33.6	26.55	16	33.6	A0	16	6447	A	-9 4908
5		8.2A	53 2.047	0.0010	12	-6 42 39.90	-0.019	12	0.25	2.031	16	33.6	39.59	16	33.6	K5	16	6449	A	-6 4964
6		9.0A	53 3.069	-0.0004	12	-8 16 17.43	0.009	12	0.25	3.076	16	33.6	17.58	16	33.6	G5	16	6448	A	-8 4766
7		7.3A	53 9.368	0.0001	12	-8 51 36.49	-0.007	12	0.25	9.367	16	33.6	36.38	16	33.6	K0	16	6450	A	-8 4767
8		8.9A	53 10.560	-0.0013	12	-3 1 12.22	-0.009	12	0.25	10.581	16	33.6	12.08	16	33.6	K2	17	6382	A	-3 4414
9		8.2Q	53 13.282	-0.0135	12	-5 48 19.85	-0.389	12	0.55	13.886	15	05.4	2.39	17	09.1	G5	GC	25971	B*	-5 4811
10		8.8A	53 15.623	0.0008	12	-6 24 42.75	0.023	12	0.25	15.609	16	33.6	43.13	16	33.6	G0	16	6453	A	-6 4966
11		9.2A	53 15.643	-0.0013	12	-7 5 41.43	0.000	12	0.25	15.664	16	33.6	41.43	16	33.6	B9	16	6452	A	-7 4773
12		8.2A	53 16.695	0.0008	09	-0 48 13.51	-0.092	11	0.22	16.683	17	36.5	12.27	17	36.5	K0	21	4725	A	-0 3595
13		8.7A	53 19.731	-0.0043	13	-4 51 33.97	0.030	13	0.27	19.800	16	33.6	34.46	16	33.6	MB	17	6384	A	-4 4631
14		9.5A	53 20.470	-0.0005	12	-9 27 27.65	0.010	12	0.25	20.478	16	33.6	27.82	16	33.6	B9	16	6454	A	-9 4909
15		8.3A	53 21.097	0.0002	11	-4 35 14.62	0.001	11	0.23	21.094	16	33.6	14.63	16	33.6	A3	17	6385	A	-4 4632
16		8.8A	53 22.919	-0.0014	12	-8 8 51.19	0.000	12	0.25	22.941	16	33.6	51.19	16	33.6	K0	16	6455	A	-8 4770
17		8.7A	53 26.959	0.0012	13	-4 49 18.31	0.008	13	0.29	26.939	16	33.6	18.44	16	33.6	B8	17	6386	A	-4 4634
18		9.2A	53 34.087	0.0002	12	-8 33 11.19	0.006	12	0.25	34.084	16	33.6	11.29	16	33.6	A2	16	6456	A	-8 4772
19		8.6A	53 39.803	0.0002	12	-9 1 32.68	-0.014	12	0.25	39.799	16	33.6	32.45	16	33.6	K2	16	6457	A	-9 4911
20		9.2A	53 42.284	-0.0061	13	-4 26 29.88	-0.331	13	0.27	42.384	16	33.6	24.45	16	33.6	G5	17	6388	A	-4 4636
21		9.1A	53 42.818	0.0003	12	-6 6 51.88	0.017	12	0.25	42.813	16	33.6	52.16	16	33.6	K2	16	6459	A	-6 4969
22		8.2Q	53 42.946	0.0006	07	-0 52 13.69	-0.004	04	0.34	42.917	15	01.9	13.46	14	87.1	A2	GC	25989K	A	-0 3599
23		9.0A	53 43.115	-0.0008	13	-5 8 47.37	0.000	13	0.27	43.129	16	33.6	47.38	16	33.6	A0	17	6387	A	-5 4813
24		9.0A	53 44.528	0.0002	12	-8 18 10.07	-0.017	12	0.25	44.525	16	33.6	9.80	16	33.6	A0	16	6458	A	-8 4773
25		6.2T	53 46.741	-0.0013	07	-1 51 56.89	-0.017	04	0.38	46.819	12	90.7	55.94	10	93.3	A0	GC	25995		-1 3602
26		9.0A	53 48.353	-0.0007	13	-6 0 48.34	-0.007	13	0.27	48.363	16	33.6	48.23	16	33.6	B9	17	6389	A	-6 4971
27		9.2A	53 55.123	-0.0009	13	-4 38 39.80	-0.012	13	0.27	55.138	16	33.6	39.60	16	33.6	A0	17	6391	A	-4 4638
28		8.3A	53 58.503	-0.0003	12	-8 37 12.85	-0.008	12	0.25	58.508	16	33.6	12.72	16	33.6	B9	16	6461	A	-8 4774
29		8.0A	54 0.850	-0.0006	12	-8 29 44.89	-0.015	12	0.25	0.859	16	33.6	44.65	16	33.6	A0	16	6462	A	-8 4776
30		8.5A	54 7.566	-0.0000	13	-4 5 8.12	0.007	13	0.27	7.567	16	33.6	8.24	16	33.6	F0	17	6393	A	-4 4640
31		8.5A	54 7.608	0.0006	12	-7 0 24.75	-0.007	12	0.25	7.598	16	33.6	24.64	16	33.6	K2	16	6463	A	-7 4780
32		8.3A	54 7.971	-0.0006	13	-5 43 57.16	0.008	13	0.27	7.981	16	33.6	57.30	16	33.6	A0	17	6392	A	-5 4816
33		8.8A	54 14.880	-0.0009	12	-8 41 47.26	0.024	12	0.25	14.895	16	33.6	47.66	16	33.6	K0	16	6465	A	-8 4778
34		9.2A	54 15.107	-0.0006	12	-8 7 12.03	-0.027	12	0.25	15.116	16	33.6	11.59	16	33.6	B8	16	6466	A	-8 4780
35		8.5A	54 18.761	-0.0034	09	-0 51 26.70	-0.038	11	0.22	18.807	17	36.5	26.19	17	36.5	F5	21	4731	A	-0 3603
36		9.2A	54 19.178	-0.0005	17	-4 16 40.47	-0.006	17	0.31	19.186	16	33.6	40.37	16	33.6	A0	17	6394	A	-4 4641
37		8.9A	54 21.460	-0.0002	12	-8 56 14.63	-0.038	12	0.25	21.462	16	33.6	14.01	16	33.6	F5	R 16	6468	A	-9 4917
38		5.0T	54 23.005	0.0042	03	-5 54 45.78	-0.036	02	0.14	22.804	06	02.5	44.02	06	00.9	K0	GC	26013	B*	-6 4976
39		8.9A	54 23.717	0.0028	11	-2 40 46.22	-0.007	11	0.23	23.671	16	33.6	46.11	16	33.6	G0	17	6396	A	-2 4798
40		8.9A	54 31.391	-0.0006	13	-4 57 23.75	-0.003	13	0.27	31.400	16	33.6	23.70	16	33.6	A2	17	6397	A	-5 4818
41		8.9A	54 37.627	0.0001	12	-8 14 11.10	-0.007	12	0.25	37.625	16	33.6	10.99	16	33.6	K5	16	6470	A	-8 4782
42		9.0A	54 48.548	-0.0007	09	-0 53 45.11	-0.028	11	0.22	48.557	17	36.5	44.74	17	36.5	A0	21	4733	A	-1 3607
43		9.0A	54 49.009	-0.0049	12	-3 6 15.14	-0.067	12	0.25	49.089	16	33.6	14.05	16	33.6	G5	17	6398	A	-3 4425
44		8.5A	54 56.080	-0.0002	12	-9 50 36.26	-0.025	12	0.25	56.082	16	33.6	35.85	16	33.6	A0	16	6471	A	-9 4920
45		9.0A	54 57.808	0.0004	12	-6 43 5.56	0.005	12	0.25	57.802	16	33.6	5.65	16	33.6	K2	16	6472	A	-6 4983
46		7.8A	55 1.640	-0.0032	09	-0 35 36.90	-0.045	11	0.22	1.682	17	36.5	36.30	17	36.5	K0	21	4734	A	-0 3607
47		9.3A	55 9.690	-0.0009	12	-7 44 10.90	0.034	12	0.25	9.705	16	33.6	11.46	16	33.6	K0	R 16	6473	A	-7 4789
48		8.9A	55 11.366	-0.0007	12	-9 1 13.02	-0.007	12	0.25	11.377	16	33.6	12.91	16	33.6	K2	R 16	6474	A	-9 4923
49		8.9A	55 15.447	0.0004	11	-2 0 27.58	0.013	11	0.23	15.440	16	33.6	27.80	16	33.6	B9	17	6399	A	-2 4804
50		9.1A	55 21.895	0.0025	13	-5 3 1.33	-0.019	13	0.27	21.854	16	33.6	1.03	16	33.6	G0	17	6400	A	-5 4822
51		9.2A	18 55 22.383	-0.0001	11	-4 3 41.45	0.005	11	0.23	22.385	16	33.6	41.54	16	33.6	A5	F 17	6401	A	-4 4646
52		8.9A	55 26.737	-0.0002	12	-6 18 46.28	0.019	12	0.25	26.740	16	33.6	46.60	16	33.6	F5	17	6475	A	-6 4985
53		8.2A	55 28.165	-0.0007	12	-4 12 45.07	0.006	12	0.25	28.176	16	33.6	45.17	16	33.6	K5	17	6402	A	-4 4647
54		9.0A	55 32.250	0.0003	13	-4 22 26.29	0.006	13	0.27	32.245	16	33.6	26.39	16	33.6	G0	17	6403	A	-4 4648
55		9.1A	55 32.562	-0.0004	12	-9 48 59.84	0.013	12	0.25	32.569	16	33.6	+ 0.05	16	33.6	A0	16	6476	A	-9 4926
56		8.8A	55 32.963	-0.0004	12	-9 22 36.21	-0.021	12	0.25	32.970	16	33.6	35.87	16	33.6	K0	16	6477	A	-9 4927
57		9.1A	55 37.595	0.0016	12	-6 3 53.86	-0.004	12	0.25	37.568	16	33.6	53.80	16	33.6	A2	16	6478	A	-6 4986
58		9.0A	55 48.415	-0.0015	09	-0 4 51.79	-0.018	11	0.22	48.435	17	36.5	51.54	17	36.5	K2	21	4737	A	-0 3609
59		9.0A	55 53.088	0.0046	12	-8 0 48.02	0.008	12	0.25	53.013	16	33.6	48.15	16	33.6	G5	16	6479	A	-8 4788
60		8.1A	55 54.618	-0.0001	09	-0 15 19.91	-0.002	11	0.22	54.619	17	36.5	19.87	17	36.5	A5	21	4739	A	-0 3610
61		8.8A	55 56.170	-0.0005	12	-9 11 36.74	-0.003	12	0.25	56.178	16	33.6	36.69	16	33.6	A0	16	6480	A	-9 4929
62		8.2A	55 56.340	-0.0014	09	-1 39 3.75	-0.058	11	0.22	56.359	17	36.5	2.97	17	36.5	G0	21	4738	A	-1 3609
63		9.0A	56 1.716	0.0025	13	-3 0 6.46	-0.060	13	0.27	1.676	16	33.6	5.48	16	33.6	K0	17	6404	A	-3 4433
64		8.7A	56 4.338	0.0018	12	-8 18 34.91	-0.006	12	0.25	4.308	16	33.6	34.82	16	33.6	F5	16	6481	A	-8 4789
65		7.3A	56 7.067	0.0016	13	-5 42 14.39	0.002	13	0.27	7.041	16	33.6	14.43	16	33.6	B9	17	6405	A	-5 4826
66		9.1A	56 7.616	-0.0012	09	-1 40 44.78	-0.021	11	0.22	7.632	17	36.5	44.50	17	36.5	A0	21	4741	A	-1 3610
67		9.1A	56 10.889	0.0008	12	-7 24 49.52	0.001	12	0.25	10.875	16	33.6	49.54	16	33.6	B	16	6482	A	-7 4794
68		7.4A	56 13.880	-0.0009	13	-4 47 44.79	0.001	13	0.27	13.895	16	33.6	44.81	16	33.6	F8	17	6407	A	-4 4650
69		9.2A	56 15.656	-0.0008	13	-2 45 56.85	0.022	13	0.27	15.669	16	33.6	57.22	16	33.6	F2	17	6409	A	-2 4809
70		9.1A	56 17.643	-0.0008	13	-5 38 22.38	-0.017	13	0.27	17.656	16	33.6	22.10	16	33.6	A0	17	6408	A	-5 4829
71		9.0A	56 19.427	-0.0024	09	-3 51 10.32	-0.073	09	0.22	19.466	16	33.6	9.13	16	33.6	G2	F 17	6410	A	-3 4435
72		8.9A	56 19.951	0.0031	12	-6 50 8.32	0.019	12	0.25	19.900	16	33.6	8.64	16	33.6	F5	16	6484	A	-6 4989
73		8.7A	56 20.351	0.0005	11	-8 18 35.38	-0.010	11	0.23	20.342	16	33.6	35.22	16	33.6	K0	16	6483	A	-8 4794
74		8.8A	56 22.426	-0.0084	09	-0 34 18.43	-0.135	11	0.22	22.539	17	36.5	16.61	17	36.5	K0	21	4742	A	-0 3614
75		9.4A	56 22.962	-0.0003	13	-1 42 45.73	-0.008	13	0.27	22.966	16	33.6	45.61	16	33.6	A5	F 17	6411	A	-1 3612
76		7.7A	56 23.531	0.0034	12	-9 2 22.72	-0.054	12	0.25	23.475	16	33.6	21.84	16	33.6	F5	16	6485	A	-9 4935
77		8.7A	56 24.621	-0.0007	12	-9 38 7.89	-0.058	12	0.25	24.632	16	33.6	6.94	16	33.6	F0	16	6486	A	-9 4936
78		9.1A	56 29.054	-0.0012	11	-9 36 34.02	-0.012	11	0.23	29.073	16	33.6	33.82	16	33.6	B9	16	6487	A	-9 4937
79		7.3A	56 31.157	0.0004	12	-6 54 41.52	-0.012	12	0.25	31.151	16	33.6	41.33	16	33.6	B9	16	6488	A	-7 4798
80		8.0A	56 32.723	0.0001	12	-8 13 42.47	-0.005	12	0.25	32.722	16	33.6	42.39	16	33.6	K2	16	6489	A	-8 4795
81		8.7A	56 33.254	0.0001	11	-7 12 11.28	0.005	11	0.23	33.253	16	33.6	11.36	16	33.6	B9	16	6490	A	-7 4799
82		8.8A	56 42.974	-0.0011	09	-1 26 14.86	-0.016	11	0.22	42.988	17	36.5	14.65	17	36.5	A5	21	4743	A	-1 3613
83		8.4A	56 48.125	-0.0003	13	-5 31 8.06	0.021	13	0.27	48.130	16	33.6	8.41	16	33.6	F2	17	6412	A	-5 4830
84		9.0A	56 50.066	-0.0010	09	-1 47 15.05	-0.008	11	0.22	50.080	17	36.5	14.94	17	36.5	F8	21	4744	A	-1 3614
85		8.9A	56 52.776	-0.0001	13	-1 55 34.63	-0.006	13	0.27	52.777	16	33.6	34.54	16	33.6	A0	17	6414	A	-2 4813
86		9.0A	56 54.086	0.0002	12	-9 22 44.22	-0.004	12	0.25	54.082	16	33.6	44.16	16	33.6	B8	16	6491	A	-9 4939
87		9.3A	56 56.871	0.0022	12	-6 8 30.95	-0.009	12	0.25	56.834	16	33.6	30.81	16	33.6	F5	16	6493	A	-6 4993
88		8.6A	56 59.462	0.0064	13	-4 3 6.70	-0.043	13	0.27	59.357	16	33.6	6.00	16	33.6	G0	17	6415	A	-4 4653
89		9.2A	57 0.173	-0.0004	12	-9 29 27.40	-0.002	12	0.25	0.180	16	33.6	27.37	16	33.6	F8	R 16	6492	A	-9 4941
90		7.4T	57 0.488	-0.0013	09	-2 54 18.89	-0.003	07	0.49	0.560	15	94.3	18.73	15	94.3	A0	GC	26083		-3 4439
91		9.1A	57 4.243	-0.0019	11	-2 40 2.25	-0.005	11	0.23	4.274	16	33.6	2.17	16	33.6	A0	17	6417	A	-2 4815
92		8.9A	57 6.953	0.0012	12	-6 57 37.26	0.005	12	0.25	6.934	16	33.6	37.34	16	33.6	F8	16	6494	A	-7 4806
93		8.9A	57 7.350	-0.0011	13	-4 5 15.32	-0.005	13	0.27	7.368	16	33.6	15.24	16	33.6	F0	17	6418	A	-4 4657
94		9.1A	57 13.164	-0.0012	12	-5 27 42.60	-0.010	12	0.25	13.183	16	33.6	42.44	16	33.6	F8	17	6419	A	-5 4831
95		8.7A	57 14.859	-0.0014	12	-8 53 10.29	-0.008	12	0.25	14.882	16	33.6	10.16	16	33.6	K0	16	6495	A	-9 4943
96		9.0A	57 24.641	-0.0001	15	-3 22 2.25	-0.015	15	0.29	24.642	16	33.6	2.01	16	33.6	A0	F 17	6420	A	-3 4441
97		9.1A	57 24.755	0.0019	12	-6 50 55.79	0.011	12	0.25	24.724	16	33.6	55.97	16	33.6	A0	17	6496	A	-6 4998
98		8.8A	57 26.306	-0.0008	12	-4 26 18.69	0.008	12	0.25	26.320	16	33.6	18.83	16	33.6	K5	17	6421	A	-4 4658
99		8.8A	57 29.803	-0.0007	12	-8 27 57.79	-0.008	12	0.25	29.814	16	33.6	57.66	16	33.6	B9	16	6497	A*	-8 4806
00		9.2A	57 36.035	-0.0010	12	-8 23 32.37	-0.009	12	0.25	36.050	16	33.6	32.23	16	33.6	A2	16	6498	A	-8 4807

142900

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	SOURCE CAT.	STAR NUMBER	DM	NUMBER
1		9.0A	18 57 38.349	-0.0007	09	-0 42 15.48	-0.012	11	0.22	38.358	17	36.5	15.32	17	36.5	AO	21	4746	A	-0 3622
2		8.5A	57 45.759	-0.0008	13	-5 26 32.46	-0.006	13	0.27	45.772	16	33.6	32.37	16	33.6	AO	17	6422	A	-5 4835
3		7.2A	57 47.540	-0.0015	12	-7 27 19.10	-0.098	12	0.25	47.565	16	33.6	17.50	16	33.6	F8	16	6499	A	-7 4809
4		8.6A	57 48.601	-0.0001	11	-2 31 38.37	0.004	11	0.23	48.603	16	33.6	38.44	16	33.6	F8	17	6424	A	-2 4819
5		8.3A	57 49.374	-0.0002	13	-4 23 45.80	0.011	13	0.27	49.378	16	33.6	45.99	16	33.6	AO	17	6423	A	-4 4660
6		9.2A	57 50.586	0.0009	12	-6 26 46.65	0.003	12	0.25	50.571	16	33.6	46.70	16	33.6	B2 R	16	6503	A	-6 4999
7		8.6A	57 50.876	-0.0003	12	-8 11 18.47	-0.006	12	0.25	50.882	16	33.6	18.38	16	33.6	G5	16	6500	A	-8 4810
8		7.4B	57 50.905	0.0004	06	-8 10 48.15	-0.010	05	0.36	50.885	17	94.8	47.52	14	86.0	G5	GC	26105		-8 4809
9		9.3A	57 53.833	-0.0000	12	-9 50 0.76	0.002	12	0.25	53.833	16	33.6	0.80	16	33.6	KO	16	6502	A	-9 4945
10		9.1A	58 5.196	0.0012	12	-6 7 10.72	0.024	12	0.25	5.177	16	33.6	11.12	16	33.6	A2	16	6506	A	-6 5002
11		8.4A	58 6.207	0.0003	12	-7 36 43.10	-0.012	12	0.25	6.202	16	33.6	42.91	16	33.6	B8	16	6505	A	-7 4812
12		9.5A	58 6.364	-0.0011	12	-9 35 52.11	0.004	12	0.25	6.382	16	33.6	52.18	16	33.6	G0 R	16	6504	A	-9 4947
13		8.3A	58 7.819	0.0003	09	-0 17 49.48	0.011	11	0.22	7.815	17	36.5	49.62	17	36.5	A2	21	4749	A	-0 3625
14		9.0A	58 9.151	-0.0002	08	-1 49 43.00	-0.005	11	0.22	9.153	17	36.5	42.98	17	36.5	KO	21	4748	A	-1 3620
15		7.3A	58 10.958	0.0011	09	-0 31 35.28	-0.009	11	0.22	10.944	17	36.5	35.16	17	36.5	G5	21	4750	A	-0 3626
16		9.2A	58 13.015	-0.0003	12	-8 8 8.96	-0.022	12	0.25	13.020	16	33.6	8.60	16	33.6	F5	16	6507	A	-8 4812
17		8.3A	58 23.055	0.0005	13	-5 35 33.52	-0.072	13	0.27	23.047	16	33.6	32.34	16	33.6	G0	17	6425	A	-5 4836
18		8.8A	58 23.670	-0.0007	12	-6 40 20.38	0.006	09	0.23	23.682	16	33.6	20.51	16	33.6	K2	16	6508K	A	-6 5004
19		7.1T	58 30.718	0.0005	12	-4 30 39.18	0.016	10	0.59	30.693	14	98.0	40.02	14	97.7	K2	GC	26122		-4 4663
20		9.0A	58 32.242	-0.0011	11	-3 35 31.72	-0.018	11	0.23	32.260	16	33.6	31.42	16	33.6	F8	17	6427	A	-3 4446
21		8.9A	58 34.213	-0.0004	11	-7 34 34.24	0.002	11	0.23	34.220	16	33.6	54.28	16	33.6	K0	16	6509	A	-7 4818
22		9.5A	58 34.696	-0.0010	13	-2 32 37.77	-0.084	13	0.27	34.712	16	33.6	36.40	16	33.6	G5 F	17	6428	A	-2 4824
23		8.4A	58 35.918	0.0016	12	-6 56 27.96	0.002	12	0.25	35.891	16	33.6	28.00	16	33.6	F0	16	6511	A	-7 4820
24		9.5A	58 38.044	0.0002	11	-9 36 44.58	0.065	11	0.23	38.041	16	33.6	45.65	16	33.6	G0 R	16	6510	A	-9 4954
25		9.0A	58 44.253	0.0006	11	-7 59 3.42	-0.031	11	0.23	44.244	16	33.6	2.92	16	33.6	A3	16	6512	A	-8 4815
26		8.8A	58 44.855	0.0002	13	-4 44 55.40	0.018	13	0.27	44.851	16	33.6	55.69	16	33.6	G0	17	6429	A	-4 4665
27		7.0A	58 46.492	0.0006	12	-6 15 53.33	0.005	12	0.25	46.483	16	33.6	53.42	16	33.6	B5	16	6513	A	-6 5005
28		9.3A	58 47.436	-0.0002	12	-7 4 29.34	0.026	12	0.25	47.439	16	33.6	29.77	16	33.6	K5	16	6514	A	-7 4821
29		9.2A	58 48.801	-0.0006	09	-1 48 29.23	-0.005	11	0.22	48.808	17	36.5	29.16	17	36.5	K0	21	4751	A	-1 3622
30		9.0A	58 54.077	0.0003	13	-3 33 50.90	0.000	13	0.27	54.072	16	33.6	50.90	16	33.6	A0	17	6431	A	-3 4449
31		4.1T	59 0.591	-0.0015	04	-5 48 39.65	-0.033	03	0.21	0.669	09	96.6	37.91	07	97.0	K0	GC	26141	B*	-5 4840
32		9.1A	59 3.741	0.0003	12	-6 44 10.13	0.021	12	0.25	3.736	16	33.6	10.48	16	33.6	F5	16	6516	A	-6 5006
33		9.0A	59 6.393	-0.0002	13	-2 0 36.01	0.022	13	0.27	6.396	16	33.6	36.38	16	33.6	A2	17	6433	A	-2 4827
34		8.0A	59 8.228	0.0015	11	-6 27 7.10	-0.001	11	0.23	8.203	16	33.6	7.09	16	33.6	A2	16	6517	A	-6 5007
35		8.5A	59 12.627	0.0013	13	-3 26 40.13	-0.018	13	0.27	12.605	16	33.6	39.84	16	33.6	F8	17	6434	A	-3 4450
36		8.5A	59 13.819	0.0002	13	-4 24 22.07	-0.005	13	0.27	13.815	16	33.6	21.99	16	33.6	B9	17	6435	A	-4 4668
37		7.8A	59 14.939	0.0008	12	-6 15 15.89	-0.002	12	0.25	14.925	16	33.6	15.86	16	33.6	K0	16	6518	A	-6 5008
38		7.9A	59 17.516	0.0023	12	-8 3 11.44	-0.006	12	0.25	17.477	16	33.6	11.35	16	33.6	A3	16	6519	A	-8 4820
39		8.7A	59 18.509	0.0018	13	-3 57 20.89	-0.035	13	0.27	18.479	16	33.6	20.32	16	33.6	F8	17	6436	A	-4 4669
40		8.6A	59 27.186	-0.0005	12	-8 20 43.47	-0.034	12	0.25	27.174	16	33.6	42.92	16	33.6	A0	16	6520	A	-8 4821
41		9.0A	59 31.067	0.0008	12	-6 47 11.41	-0.019	12	0.25	31.055	16	33.6	11.10	16	33.6	A5	16	6521K	A	-6 5012
42		8.2A	59 36.240	0.0005	12	-6 29 44.38	0.007	12	0.25	36.235	16	33.6	44.50	16	33.6	A0	16	6522	A	-6 5013
43		8.1A	59 44.074	0.0008	11	-5 37 11.55	0.033	11	0.23	44.027	16	33.6	12.09	16	33.6	F5	17	6437	A	-5 4841
44		8.8A	59 49.816	-0.0014	12	-8 54 15.48	-0.013	12	0.25	49.838	16	33.6	15.27	16	33.6	A2	16	6523	A	-9 4961
45		8.8A	59 50.318	-0.0019	13	-2 55 16.46	0.004	13	0.27	50.350	16	33.6	16.53	16	33.6	A2	17	6438	A	-3 4454
46		9.0A	59 51.332	0.0002	12	-8 53 1.90	-0.000	12	0.25	51.329	16	33.6	1.90	16	33.6	K0 R	16	6524	A	-9 4962
47		8.1A	59 51.504	-0.0003	12	-9 0 3.85	0.006	12	0.25	51.509	16	33.6	3.95	16	33.6	K2	16	6525	A	-9 4963
48		8.8A	59 53.026	0.0012	11	-6 24 57.48	0.016	11	0.23	53.006	16	33.6	57.75	16	33.6	A3	16	6526	A	-6 5016
49		8.8A	59 53.253	-0.0013	13	-4 15 19.67	0.004	13	0.27	53.274	16	33.6	19.73	16	33.6	F8	17	6439	A	-4 4673
50		9.0A	59 59.391	0.0009	12	-7 30 56.80	-0.036	12	0.25	59.376	16	33.6	56.21	16	33.6	K5	16	6527	A	-7 4827
51		9.0A	19 0 0.076	-0.0007	13	-4 52 7.85	0.014	13	0.27	0.088	16	33.6	8.08	16	33.6	B9	17	6440	A	-5 4844
52		7.8A	0 6.702	0.0008	12	-7 47 58.01	-0.017	12	0.25	6.688	16	33.6	57.73	16	33.6	A2	16	6528	A	-7 4829
53		8.8A	0 8.440	-0.0003	12	-9 2 58.70	0.016	12	0.25	8.444	16	33.6	58.97	16	33.6	K2	16	6529	A	-9 4968
54		9.1A	0 9.175	0.0004	12	-7 22 26.74	-0.015	12	0.25	9.169	16	33.6	26.50	16	33.6	K0	16	6530	A	-7 4830
55		8.2B	0 9.831	-0.0025	06	-0 46 59.88	-0.125	04	0.28	9.958	12	99.3	52.87	10	93.7	G5	GC	26185K	B*	-0 3631
56		8.1A	0 11.246	-0.0002	13	-5 36 32.63	0.024	13	0.27	11.249	16	33.6	33.03	16	33.6	K2	17	6441	A	-5 4845
57		8.9B	0 11.335	0.0014	09	-0 47 7.52	-0.014	08	0.43	11.268	17	02.3	6.86	17	01.0	G5	GC	26189K		-0 3632
58		8.9A	0 12.050	-0.0018	13	-5 46 40.02	0.001	13	0.27	12.079	16	33.6	40.04	16	33.6	G5	17	6442	A	-5 4846
59		5.5T	0 16.464	0.0013	04	-3 46 22.86	0.007	03	0.21	16.394	10	96.2	23.23	09	98.6	A0	GC	26190	B*	-3 4460
60		9.0A	0 21.164	0.0006	12	-7 25 15.69	-0.010	12	0.25	21.156	16	33.6	15.53	16	33.6	A0	16	6532	A	-7 4832
61		9.0A	0 31.185	0.0011	12	-3 32 34.29	-0.037	12	0.25	31.165	16	33.6	33.68	16	33.6	G0	17	6444	A	-3 4465
62		8.2A	0 37.105	-0.0015	13	-5 54 10.88	-0.015	13	0.27	37.129	16	33.6	10.64	16	33.6	K0	17	6445	A	-6 5020
63		7.1T	0 37.529	0.0004	10	-5 38 1.58	-0.021	13	0.68	37.503	17	93.4	0.45	17	95.5	G5	GC	26197		-5 4848
64		7.7A	0 40.979	-0.0013	11	-2 51 45.47	0.000	11	0.23	41.000	16	33.6	45.48	16	33.6	K2	17	6447	A	-3 4466
65		9.3A	0 44.648	-0.0004	12	-9 38 46.09	-0.013	12	0.25	44.653	16	33.6	45.88	16	33.6	A2	16	6534	A	-9 4971
66		8.7A	0 47.227	-0.0001	11	-7 26 17.51	0.013	11	0.23	47.229	16	33.6	17.73	16	33.6	F2	16	6535	A	-7 4833
67		8.9A	0 54.657	-0.0002	13	-5 13 45.69	-0.009	13	0.27	54.660	16	33.6	45.55	16	33.6	F0	17	6448	A	-5 4852
68		9.2A	1 1.903	0.0012	13	-4 35 54.93	0.019	13	0.27	1.883	16	33.6	55.24	16	33.6	G8 F	17	6449	A	-4 4677
69		8.8A	1 3.409	0.0021	09	-0 8 11.27	-0.013	11	0.22	3.361	17	36.5	11.09	17	36.5	K5	21	4760	A	-0 3635
70		8.5A	1 10.120	0.0003	09	-1 15 44.78	-0.003	11	0.22	10.117	17	36.5	44.74	17	36.5	A2	21	4761	A	-1 3631
71		8.3A	1 14.309	-0.0008	12	-1 55 46.86	0.003	12	0.25	14.322	16	33.6	46.94	16	33.6	B9	17	6450	A	-2 4839
72		8.8A	1 20.328	0.0002	13	-5 30 53.81	-0.019	13	0.27	20.324	16	33.6	53.50	16	33.6	F0	17	6451	A	-5 4854
73		8.9A	1 21.144	0.0008	12	-6 8 31.10	0.014	11	0.24	21.130	16	33.6	31.34	16	33.6	K2	16	6536	A	-6 5025
74		8.1B	1 24.657	0.0004	10	-0 52 10.58	-0.004	08	0.44	24.639	17	05.2	10.41	17	02.1	G5	GC	26218		-1 3635
75		8.0A	1 25.961	-0.0001	12	-8 14 9.68	-0.010	12	0.25	25.963	16	33.6	9.52	16	33.6	K2	16	6538	A	-8 4851
76		8.7A	1 27.553	-0.0010	11	-8 28 44.83	-0.004	11	0.23	27.569	16	33.6	44.44	16	33.6	K5	16	6539	A	-8 4852
77		8.8A	1 28.994	-0.0002	12	-8 38 55.04	-0.016	12	0.25	28.996	16	33.6	54.78	16	33.6	B8	16	6540	A	-8 4853
78		9.0A	1 29.382	0.0027	12	-7 44 7.91	-0.096	12	0.25	29.337	16	33.6	6.34	16	33.6	F8	16	6541	A	-7 4838
79		8.5A	1 34.064	-0.0015	13	-2 6 18.12	-0.006	13	0.27	34.088	16	33.6	18.03	16	33.6	B3	17	6452	A	-2 4840
80		8.4A	1 40.192	-0.0029	09	-0 36 16.03	-0.041	11	0.22	40.230	17	36.5	15.48	17	36.5	K0	21	4765	A	-0 3638
81		9.0A	1 42.064	0.0008	12	-9 36 54.36	-0.021	12	0.25	42.051	16	33.6	54.04	16	33.6	F8	16	6542	A	-9 4977
82		7.7A	1 42.380	0.0006	12	-7 47 26.78	-0.013	12	0.25	42.370	16	33.6	26.57	16	33.6	B8	16	6544	A	-7 4839
83		8.9A	1 42.625	-0.0003	11	-9 3 58.60	0.003	11	0.23	42.630	16	33.6	58.65	16	33.6	K2	16	6543	A	-9 4978
84		8.2A	1 42.840	-0.0018	09	-0 22 27.86	-0.036	11	0.22	42.864	17	36.5	27.16	17	36.5	K5	21	4766	A	-0 3639
85		6.7I	1 43.953	0.0011	08	-5 45 38.19	-0.005	09	0.45	43.894	14	98.6	37.94	14	98.9	N P	GC	26226V	B*	-5 4858
86		9.0A	1 45.795	-0.0006	11	-3 55 46.05	-0.042	11	0.23	45.804	16	33.6	45.36	16	33.6	G0	17	6454	A	-4 4679
87		9.0A	1 48.658	0.0001	13	-4 30 24.84	0.004	13	0.27	48.657	16	33.6	24.90	16	33.6	K0 F	17	6455K	A	-4 4680
88		8.9A	1 53.923	-0.0014	12	-8 47 2.26	0.007	12	0.25	53.946	16	33.6	2.38	16	33.6	F8	16	6546	A	-8 4835
89		9.0A	1 56.816	0.0001	12	-8 52 25.90	0.020	12	0.25	56.815	16	33.6	26.23	16	33.6	A3	16	6547	A	-9 4979
90		9.0A	2 3.048	-0.0033	12	-7 31 44.40	-0.198	12	0.25	3.103	16	33.6	41.16	16	33.6	K0	16	6548	A	-7 4842
91		7.5T	2 5.937	0.0058	11	-8 43 39.81	0.018	12	0.58	5.650	19	00.2	40.70	18	00.7	K0	GC	26234		-8 4836
92		7.3A	2 11.520	-0.0013	12	-8 11 52.67	-0.072	12	0.25	11.541	16	33.6	51.49	16	33.6	K0	16	6550	A	-8 4837
93		7.1T	2 17.981	-0.0003	07	-4 6 59.80	-0.032	06	0.41	17.998	15	94.3	57.82	14	88.1	K0	GC	26235K	B*	-4 4683
94		8.5B	2 18.276	0.0009	09	-7 13 6.28	-0.007	05	0.38	18.238	18	08.4	5.88	17	92.9	B8	GC	26236		-7 4844
95		8.9A	2 18.464	0.0002	12	-7 5 22.61	-0.013	12	0.25	18.460	16	33.6	22.40	16	33.6	K5	16	6552	A	-7 4845
96		5.5T	2 19.217	0.0011	03	-4 6 28.70	-0.027	02	0.14	19.167	07	04.9	25.28	07	97.2	K0	GC	26237K	B*	-4 4684
97		9.1A	2 28.355	-0.0007	09	-0 41 11.60	0.024	11	0.22	28.364	17	36.5	11.93	17	36.5	G0	21	4770	A	-0 3643
98		8.8A	2 29.242	-0.0038	13	-4 15 23.82	0.028	13	0.27	29.304	16	33.6	24.08	16	33.6	B8	17	6460	A	-4 4686
99		9.0A	2 29.663	0.0001	12	-8 54 47.24	-0.005	12	0.25	29.662	16	33.6	47.16	16	33.6	K5	16	6553	A	-9 4982
00		9.2A	2 36.814	0.0003	12	-7 36 56.10	-0.007	12	0.25	36.809	16	33.6	55.99	16	33.6	A0	16	6554	A	-7 4846

- 0°
18H

143000			EPOCH 1950								ORIGINAL EPOCH						SP.	SOURCE		− 00° 19H
NUMBER	MAGNITUDES m_{pg}	m_v	α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.		CAT.	STAR NUMBER	DM NUMBER
1		6.9T	19 2 40.785	0.0001	08	−1 0 44.35	−0.009	07	0.41	40.779	12	95.8	43.86	12	93.3	A0	GC	26249	−1 3641
2		9.2A	2 41.065	-0.0011	13	−4 36 13.71	−0.014	13	0.27	41.082	16	33.6	13.48	16	33.6	A2 F	17	6461	A −4 4687
3		6.5T	2 43.125	-0.0004	11	−1 35 21.84	−0.006	12	0.66	43.147	17	95.6	21.55	18	97.9	F0	GC	26251	−1 3642
4		9.3A	2 44.886	-0.0007	11	−6 52 28.73	−0.007	11	0.23	44.898	16	33.6	28.62	16	33.6	B9	16	6557	A −7 4849
5		8.5A	2 46.657	-0.0011	12	−8 28 18.55	−0.020	12	0.25	46.675	16	33.6	18.23	16	33.6	B9	16	6556	A −8 4840
6		9.1A	2 47.443	-0.0006	09	−0 39 22.90	−0.016	11	0.22	47.451	17	36.5	22.69	17	36.5	K0	21	4773	A −0 3644
7		8.8A	2 52.134	-0.0003	12	−8 36 37.47	0.010	12	0.25	52.138	16	33.6	37.64	16	33.6	K0	16	6558	A −8 4841
8		9.0A	2 58.115	-0.0001	13	−2 56 4.70	−0.002	13	0.27	58.117	16	33.6	4.67	16	33.6	B3 F	17	6462	A −3 4475
9		9.0A	2 58.283	0.0005	09	−0 34 5.38	−0.026	11	0.22	58.276	17	36.5	5.03	17	36.5	B9	21	4774	A −0 3646
10		8.2A	3 8.204	-0.0005	13	−3 43 0.78	−0.001	13	0.27	8.213	16	33.6	0.76	16	33.6	K0	17	6463	A −3 4476
11		7.8A	3 10.274	-0.0030	11	−8 59 1.40	−0.094	11	0.23	10.323	16	33.6	-59.86	16	33.6	F5	16	6559	A −9 4986
12		8.8A	3 13.228	-0.0013	13	−5 9 58.61	−0.002	13	0.27	13.249	16	33.6	58.58	16	33.6	B9	17	6464	A −5 4872
13		9.0A	3 14.887	0.0008	13	−2 17 0.56	0.001	13	0.27	14.874	16	33.6	0.58	16	33.6	K5	17	6465	A −2 4851
14		8.5A	3 20.111	-0.0004	09	−0 45 44.59	0.003	11	0.22	20.116	17	36.5	44.63	17	36.5	A0	21	4775	A −0 3648
15		6.6T	3 26.064	0.0009	13	−9 42 35.09	−0.003	12	0.67	26.016	19	00.1	34.94	18	98.1	G5	GC	26282	−9 4987
16		9.0A	3 27.592	-0.0005	13	−2 20 3.42	−0.005	13	0.27	27.601	16	33.6	3.34	16	33.6	G5	17	6466	A −2 4853
17		8.5A	3 28.672	-0.0002	09	−0 54 57.16	−0.007	11	0.22	28.674	17	36.5	57.07	17	36.5	B3	21	4776	A −1 3645
18		9.2A	3 33.497	-0.0003	09	−1 48 54.39	−0.032	11	0.22	33.500	17	36.5	53.96	17	36.5	A0	21	4777	A −1 3646
19		9.0A	3 34.585	-0.0003	13	−5 24 38.13	−0.016	13	0.27	34.590	16	33.6	37.87	16	33.6	K5	17	6467	A −5 4874
20		8.5A	3 35.494	-0.0004	13	−4 43 23.75	0.008	13	0.27	35.501	16	33.6	23.88	16	33.6	A0	17	6469	A −4 4692
21		3.5H	3 35.688	-0.0014	01	−4 57 32.74	−0.088	01	0.04	35.743	02	12.0	29.34	02	11.5	B9	F4	717	−5 4876
22		8.9A	3 35.913	-0.0014	09	−1 5 19.93	−0.035	11	0.22	35.931	17	36.5	19.46	17	36.5	B5 R	21	4778	A −1 3647
23		8.5A	3 36.288	-0.0001	13	−5 18 55.32	−0.018	13	0.27	36.289	16	33.6	55.03	16	33.6	F0	17	6470	A −5 4875
24		8.9A	3 38.398	-0.0008	13	−3 58 56.96	−0.020	13	0.27	38.411	16	33.6	56.64	16	33.6	F8	17	6472	A −4 4694
25		8.4A	3 39.136	-0.0037	09	−1 11 50.56	−0.108	11	0.22	39.185	17	36.5	49.10	17	36.5	K2	21	4779	A −1 3648
26		8.9A	3 40.442	-0.0011	12	−9 52 32.29	0.032	12	0.25	40.460	16	33.6	32.82	16	33.6	A0	16	6561	A −10 4949
27		9.6A	3 41.894	0.0004	12	−6 9 7.74	−0.004	12	0.25	41.887	16	33.6	7.68	16	33.6	F8	16	6562	A −6 5034
28		9.4A	3 55.178	-0.0046	12	−8 54 56.05	−0.056	12	0.25	55.253	16	33.6	55.14	16	33.6	G0 R	16	6563	A −9 4996
29		6.7H	3 59.784	0.0006	02	−1 25 27.23	−0.010	02	0.08	59.769	04	23.8	26.97	04	23.1	B8	F4	1497	−1 3649
30		9.4A	4 11.188	-0.0019	12	−7 51 21.14	0.010	12	0.25	11.218	16	33.6	21.31	16	33.6	K0	16	6564	A −7 4853
31		8.9A	4 19.335	0.0018	12	−7 55 50.16	0.006	12	0.25	19.305	16	33.6	50.26	16	33.6	F8	16	6565	A −8 4851
32		8.0A	4 21.258	-0.0006	09	−1 48 46.15	−0.028	11	0.22	21.266	17	36.5	45.77	17	36.5	B9	21	4781	A −1 3653
33		9.0A	4 24.322	-0.0028	13	−4 40 51.03	−0.044	13	0.27	24.368	16	33.6	50.31	16	33.6	G2 F	17	6473	A −4 4696
34		9.1A	4 26.360	-0.0020	12	−5 52 33.48	−0.012	12	0.25	26.393	16	33.6	33.29	16	33.6	B9	17	6475	A −6 5038
35		9.2A	4 27.418	0.0003	09	−2 9 32.75	−0.050	09	0.22	27.412	16	33.6	31.94	16	33.6	G5	17	6476	A −2 4859
36		9.0A	4 33.542	-0.0006	12	−9 3 45.75	0.021	12	0.25	33.551	16	33.6	46.10	16	33.6	B8	16	6568	A −9 5002
37		8.8A	4 34.607	-0.0002	12	−9 31 52.85	0.015	12	0.25	34.609	16	33.6	53.10	16	33.6		16	6569	A −9 5001
38		8.5A	4 34.635	-0.0013	12	−9 29 33.08	0.002	12	0.25	34.656	16	33.6	33.12	16	33.6	A0	16	6570	A −9 5000
39		8.3T	4 34.829	0.0002	09	−4 58 38.07	−0.002	07	0.46	34.819	15	98.8	37.96	15	96.0	K2	GC	26312	−5 4877
40		9.1A	4 35.022	0.0001	13	−2 16 31.98	−0.045	13	0.27	35.021	16	33.6	31.25	16	33.6	G0	17	6478	A −2 4860
41		8.9A	4 38.867	-0.0005	13	−4 49 48.79	0.007	13	0.27	38.875	16	33.6	48.90	16	33.6	B9	17	6479	A −4 4697
42		7.5A	4 51.288	-0.0010	09	−1 12 16.12	−0.050	11	0.22	51.301	17	36.5	15.45	17	36.5	MA	21	4784	A −1 3657
43		8.5A	4 52.600	-0.0017	13	−5 19 9.22	−0.012	13	0.27	52.627	16	33.6	9.03	16	33.6	B8	17	6480	A −5 4881
44		8.7A	4 54.680	0.0004	12	−6 47 26.41	−0.028	12	0.25	54.673	16	33.6	25.96	16	33.6	K0	16	6571	A −6 5040
45		8.4A	4 55.770	-0.0001	12	−7 28 42.85	0.003	12	0.25	55.772	16	33.6	42.90	16	33.6	K5	16	6572	A −7 4856
46		9.0A	4 56.138	0.0003	13	−2 34 40.24	0.003	13	0.27	56.134	16	33.6	40.29	16	33.6	K5	17	6481	A −2 4864
47		8.3A	5 0.149	-0.0005	13	−5 2 14.86	−0.006	13	0.27	0.157	16	33.6	14.77	16	33.6	K0	17	6482	A −5 4882
48		8.2A	5 0.760	-0.0003	13	−2 53 53.05	−0.004	13	0.27	0.765	16	33.6	52.99	16	33.6	A3	17	6484	A −3 4485
49		8.9A	5 2.403	0.0006	11	−7 25 13.28	0.017	11	0.23	2.393	16	33.6	13.56	16	33.6	G0	16	6573	A −7 4857
50		8.8A	5 2.423	-0.0002	13	−4 25 36.54	−0.010	13	0.27	2.426	16	33.6	36.38	16	33.6	A0	17	6483	A −4 4699
51		9.0A	19 5 3.332	-0.0020	09	−1 49 11.83	−0.009	11	0.22	3.359	17	36.5	11.71	17	36.5	F8	21	4785	A −1 3659
52		9.0A	5 6.804	-0.0016	11	−2 31 57.24	0.014	11	0.23	6.830	16	33.6	57.48	16	33.6	MA	17	6485	A −2 4865
53		9.1A	5 9.796	-0.0023	09	−1 22 22.95	−0.038	11	0.22	9.826	17	36.5	22.44	17	36.5	F2 R	21	4786	A −1 3660
54		9.3A	5 13.221	0.0005	12	−6 55 18.68	−0.003	12	0.25	13.216	16	33.6	18.64	16	33.6	A0	16	6574	A −7 4858
55		8.5A	5 15.961	0.0017	13	−3 7 49.25	0.000	13	0.27	15.932	16	33.6	49.26	16	33.6	A0	17	6486	A −3 4486
56		7.0T	5 18.272	-0.0022	17	−7 55 37.12	−0.023	14	0.79	18.379	22	02.4	35.98	21	00.1	K0	GC	26333	−8 4859
57		9.0A	5 19.803	-0.0004	12	−8 49 41.37	−0.007	12	0.25	19.810	16	33.6	41.26	16	33.6	B9	16	6576	A −8 4858
58		8.4A	5 21.172	0.0003	09	−1 21 37.48	−0.096	11	0.22	21.168	17	36.5	36.19	17	36.5	K5	21	4789	A −1 3662
59		8.9A	5 27.431	-0.0016	12	−8 58 56.89	−0.069	12	0.25	27.458	16	33.6	55.76	16	33.6	G5	16	6577	A −9 5009
60		8.5A	5 32.384	-0.0043	13	−3 36 52.99	−0.007	13	0.27	32.454	16	33.6	52.87	16	33.6	G0	17	6488	A −3 4489
61		7.9Q	5 34.567	0.0001	10	−5 24 46.52	−0.012	08	0.46	34.564	14	00.3	45.93	14	99.5	A3	GC	26341	−5 4884
62		9.0A	5 36.334	-0.0010	13	−2 32 14.52	0.008	13	0.27	36.350	16	33.6	14.66	16	33.6	K5	17	6489	A −2 4868
63		7.9A	5 38.589	0.0008	12	−7 31 4.34	−0.002	12	0.25	38.575	16	33.6	4.31	16	33.6	G5	16	6578	A −7 4861
64		9.0A	5 51.444	0.0014	12	−7 40 59.96	−0.123	11	0.24	51.421	16	33.6	57.95	16	33.6	G5	16	6579	A −7 4862
65		8.2A	5 58.575	0.0010	12	−7 2 19.79	−0.027	12	0.25	58.558	16	33.6	19.35	16	33.6	A0	16	6581	A −7 4863
66		9.3A	5 58.610	-0.0027	09	−5 16 36.94	0.018	09	0.22	58.654	16	33.6	37.24	16	33.6	F8 R	17	6490	A −5 4887
67		8.5A	6 5.922	0.0016	12	−7 33 2.76	0.003	12	0.25	5.896	16	33.6	2.81	16	33.6	A5	16	6582	A −7 4864
68		7.9A	6 10.600	-0.0004	12	−7 41 56.56	−0.023	12	0.25	10.607	16	33.6	56.19	16	33.6	A0	16	6583	A −7 4865
69		8.1A	6 13.173	0.0001	12	−8 53 55.90	−0.000	12	0.25	13.172	16	33.6	55.90	16	33.6	A2	16	6584	A −9 5015
70		6.8T	6 15.814	0.0007	08	−2 22 6.46	0.014	07	0.48	15.773	14	90.1	7.33	14	89.1	K0	GC	26369	−2 4872
71		8.2A	6 20.359	-0.0009	12	−7 5 53.00	−0.020	12	0.25	20.373	16	33.6	52.68	16	33.6	G5	16	6586	A −7 4867
72		8.9A	6 20.660	-0.0008	12	−7 16 24.97	−0.040	12	0.25	20.673	16	33.6	24.32	16	33.6	G5	16	6587	A −7 4866
73		8.4A	6 20.779	-0.0007	12	−9 55 43.13	0.016	12	0.25	20.790	16	33.6	43.40	16	33.6	B8	16	6585	A −10 4971
74		8.7A	6 21.257	-0.0006	13	−3 25 19.79	−0.011	13	0.27	21.267	16	33.6	19.62	16	33.6	B9	17	6492	A −3 4494
75		8.5A	6 32.067	-0.0024	11	−5 12 57.33	0.007	09	0.22	32.105	16	33.6	57.45	16	33.6	F0	17	6493	A −5 4888
76		9.3A	6 33.863	-0.0014	11	−4 55 0.51	0.021	11	0.23	33.886	16	33.6	0.85	16	33.6	G0	17	6494	A −5 4889
77		8.9A	6 33.965	0.0002	12	−6 8 10.00	0.015	12	0.25	33.961	16	33.6	10.25	16	33.6	A2	16	6588	A −6 5046
78		8.9A	6 35.172	-0.0012	11	−5 46 21.28	−0.020	11	0.23	35.192	16	33.6	20.96	16	33.6	K2 R	17	6495	A −5 4890
79		9.3A	6 39.965	-0.0005	09	−1 47 35.34	−0.027	11	0.22	39.971	17	36.5	34.98	17	36.5	B8	21	4792	A −1 3668
80		7.5A	6 43.758	0.0006	12	−6 59 37.61	0.035	12	0.25	43.749	16	33.6	38.19	16	33.6	F5	16	6590	A −7 4869
81		9.4A	6 49.554	0.0003	12	−8 32 49.41	−0.022	12	0.25	49.548	16	33.6	49.06	16	33.6	K0 R	16	6591	A −8 4865
82		9.1A	6 50.009	-0.0016	11	−7 2 38.16	−0.008	11	0.23	50.035	16	33.6	38.03	16	33.6	B8	16	6592	A −7 4870
83		8.5A	6 53.207	0.0012	12	−9 23 41.71	0.022	12	0.25	53.187	16	33.6	42.07	16	33.6	G5	16	6593	A −9 5020
84		9.0A	6 55.636	-0.0014	11	−4 59 39.35	0.001	11	0.23	55.659	16	33.6	39.37	16	33.6	K0	17	6497	A −5 4892
85		8.0A	7 9.988	-0.0042	11	−3 45 40.75	−0.083	11	0.23	10.057	16	33.6	39.39	16	33.6	G5	17	6498	A −3 4499
86		9.0A	7 15.857	-0.0007	09	−0 22 7.77	−0.005	11	0.22	15.866	17	36.5	7.69	17	36.5	F2	21	4796K	A −0 3660
87		6.4T	7 17.275	0.0002	08	−0 30 36.31	−0.005	09	0.44	17.265	12	99.4	36.08	12	99.7	B8	GC	26400	−0 3662
88		7.4T	7 21.011	-0.0006	09	−7 21 33.52	−0.074	08	0.47	21.044	15	97.6	29.59	15	96.8	K0	GC	26402	−7 4872
89		8.2A	7 22.114	-0.0010	11	−9 14 16.88	0.009	11	0.23	22.130	16	33.6	17.03	16	33.6	A0	16	6594	A −9 5022
90		9.5A	7 22.162	-0.0027	15	−1 47 43.01	−0.021	15	0.29	22.205	16	33.6	42.67	16	33.6	G6 F	17	6499	A −1 3673
91		8.7A	7 22.462	-0.0031	09	−0 38 48.66	−0.130	11	0.22	22.503	17	36.5	46.91	17	36.5	F8	21	4798	A −0 3663
92		9.5A	7 28.790	-0.0013	13	−1 46 38.30	−0.016	13	0.27	28.812	16	33.6	38.04	16	33.6	+++	17	6501	A −1 3675
93		8.8A	7 33.156	-0.0011	09	−5 54 17.24	−0.045	09	0.22	33.174	16	33.6	16.51	16	33.6	K0	17	6500	A −6 5049
94		9.0A	7 33.556	-0.0003	09	−0 31 20.27	−0.011	11	0.22	33.559	17	36.5	20.13	17	36.5	K2	21	4800	A −0 3664
95		8.6A	7 33.708	0.0013	09	−1 9 15.46	−0.020	11	0.22	33.690	17	36.5	15.19	17	36.5	F8	21	4799	A −1 3677
96		8.2A	7 34.927	-0.0032	11	−4 7 58.56	0.000	09	0.22	34.979	16	33.6	58.56	16	33.6	K0	17	6502	A −4 4707
97		8.5A	7 46.139	0.0013	11	−4 49 50.94	−0.017	11	0.23	46.117	16	33.6	50.66	16	33.6	G5	17	6503	A −4 4708
98		9.0A	7 50.702	-0.0018	11	−2 31 52.04	−0.031	11	0.23	50.731	16	33.6	51.54	16	33.6	G0	17	6504	A −2 4878
99		8.7A	7 52.601	0.0008	12	−7 54 29.42	0.006	12	0.25	52.587	16	33.6	29.52	16	33.6	K0	16	6597	A −8 4871
00		8.7A	7 54.417	0.0014	12	−8 18 51.97	−0.012	12	0.25	54.394	16	33.6	51.78	16	33.6	B8	16	6598	A −8 4872

143100 — EPOCH 1950 — ORIGINAL EPOCH — SOURCE — −00 19H

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	CAT.	STAR NUMBER	DM NUMBER
1		7.9A	19 8 0.059	-0.0004	09	-0 46 42.31	-0.020	11	0.22	0.064	17	36.5	42.04	17	36.5	K5	21	4803	A -0 3666
2		9.3A	8 3.389	0.0007	12	-6 16 34.46	-0.010	12	0.25	3.377	16	33.6	34.30	16	33.6	A	16	6599	A -6 5052
3		8.7A	8 15.016	-0.0012	12	-9 52 35.73	-0.012	12	0.25	15.036	16	33.6	35.54	16	33.6	F0	16	6600	A -10 4981
4		6.7T	8 16.913	0.0015	11	-6 42 16.33	0.004	10	0.61	16.835	15	96.2	16.56	15	94.7	A0	GC	26414	-6 5054
5		9.2A	8 17.954	0.0040	12	-7 46 3.53	-0.026	12	0.25	17.889	16	33.6	3.11	16	33.6	G5	16	6601	A -7 4875
6		6.8T	8 19.219	-0.0018	12	-7 30 36.25	-0.029	11	0.57	19.311	14	00.3	34.80	14	99.7	G0	GC	26415K	B* -7 4876
7		8.9A	8 24.087	0.0022	12	-6 27 35.94	0.016	12	0.25	24.051	16	33.6	36.21	16	33.6	G5	16	6604	A -6 5055
8		8.8A	8 24.986	0.0053	12	-6 58 42.50	-0.032	12	0.25	24.900	16	33.6	41.98	16	33.6	G0	16	6605	A -7 4878
9		8.0A	8 29.802	-0.0031	11	-4 12 46.17	0.006	11	0.23	29.852	16	33.6	46.27	16	33.6	B9	17	6505	A -4 4712
10		8.5A	8 32.211	-0.0008	11	-7 55 24.85	-0.030	12	0.24	32.224	16	33.6	24.36	16	33.6	F5	16	6606	A -8 4877
11		7.7A	8 33.472	-0.0102	11	-2 43 14.75	-0.101	09	0.22	33.639	16	33.6	13.10	16	33.6	G5	17	6506	A -2 4881
12		9.1A	8 36.576	-0.0014	12	-9 12 3.39	0.010	12	0.25	36.599	16	33.6	3.56	16	33.6	B9	16	6607	A -9 5027
13		9.4A	8 40.568	0.0010	12	-6 49 41.55	0.014	12	0.25	40.551	16	33.6	41.78	16	33.6	A5	R 16	6608	A -6 5057
14		8.9A	8 49.055	-0.0009	12	-6 8 19.46	-0.062	12	0.25	49.068	16	33.6	18.45	16	33.6	G5	16	6609	A -6 5059
15		8.8A	9 1.417	-0.0004	09	-0 9 16.07	-0.012	11	0.22	1.422	17	36.5	15.90	17	36.5	K0	21	4806	A -0 3672
16		8.0A	9 2.267	0.0001	09	-3 8 57.79	0.004	09	0.22	2.265	16	33.6	57.87	16	33.6	B8	17	6508	A -3 4505
17		8.5A	9 2.982	0.0008	09	-3 57 43.17	0.009	09	0.22	2.969	16	33.6	43.32	16	33.6	F0	17	6507	A -4 4716
18		9.0A	9 10.813	0.0018	12	-6 30 8.66	-0.007	12	0.25	10.784	16	33.6	8.55	16	33.6	F8	16	6610	A -6 5060
19		9.0A	9 11.057	-0.0003	13	-3 50 33.34	-0.001	13	0.27	11.062	16	33.6	33.32	16	33.6	B8	17	6509	A -3 4506
20		8.8A	9 13.247	-0.0004	11	-2 27 50.74	-0.021	09	0.22	13.254	16	33.6	50.41	16	33.6	B9	17	6510	A -2 4885
21		9.6A	9 14.093	-0.0006	12	-6 57 31.24	-0.042	12	0.25	14.102	16	33.6	30.55	16	33.6	K2	R 16	6611	A -7 4882
22		9.1A	9 23.698	0.0003	12	-8 2 57.13	-0.003	12	0.25	23.694	16	33.6	57.09	16	33.6	A0	16	6612	A -8 4881
23		8.9A	9 25.961	-0.0012	13	-2 36 56.13	-0.018	13	0.27	25.981	16	33.6	55.84	16	33.6	F8	17	6511	A -2 4886
24		9.1A	9 29.296	-0.0003	12	-8 48 43.69	0.005	12	0.25	29.301	16	33.6	43.78	16	33.6	A0	16	6613	A -8 4884
25		8.7A	9 35.893	-0.0002	12	-9 1 14.48	0.010	12	0.25	35.895	16	33.6	14.65	16	33.6	A0	16	6614	A -9 5033
26		9.0A	9 36.617	-0.0009	12	-8 35 1.13	-0.013	12	0.25	36.631	16	33.6	0.92	16	33.6	A0	16	6615	A -8 4885
27		9.0A	9 37.829	-0.0002	12	-9 21 19.98	0.007	12	0.25	37.831	16	33.6	20.10	16	33.6	G0	16	6616	A -9 5034
28		9.2A	9 38.436	-0.0007	11	-6 57 39.04	0.009	11	0.23	38.446	16	33.6	39.19	16	33.6	B9	16	6617	A -7 4886
29		9.0A	9 41.771	0.0017	13	-5 45 8.31	-0.006	11	0.25	41.742	16	33.6	8.22	16	33.6	F8	17	6512	A -5 4902
30		8.9A	9 43.418	0.0010	12	-7 33 8.63	-0.015	12	0.25	43.401	16	33.6	8.39	16	33.6	B8	16	6618	A -7 4887
31		8.3Q	9 43.596	-0.0015	13	-4 32 52.97	-0.010	08	0.53	43.661	19	06.8	52.48	19	00.8	K0	GC	26455	-4 4719
32		7.5A	9 47.553	-0.0011	13	-5 29 55.56	-0.044	13	0.27	47.571	16	33.6	54.84	16	33.6	F8	17	6514	A -5 4903
33		8.8A	9 55.729	0.0009	12	-9 1 36.53	-0.038	12	0.25	55.715	16	33.6	35.91	16	33.6	A0	16	6620	A -9 5036
34		5.4H	9 57.956	0.0009	01	-8 1 28.93	-0.007	01	0.05	57.927	02	16.8	28.68	03	12.6	B3	F4	1500	-8 4887
35		8.5A	9 59.234	0.0008	12	-6 32 38.48	-0.005	12	0.25	59.220	16	33.6	38.40	16	33.6	B5	16	6622	A -6 5063
36		9.0A	10 7.745	-0.0015	13	-4 55 46.72	0.001	13	0.27	7.770	16	33.6	46.74	16	33.6	K0	F 17	6516	A -5 4905
37		8.4A	10 8.121	0.0010	12	-7 34 45.23	-0.020	12	0.25	8.104	16	33.6	44.91	16	33.6	K0	16	6623	A -7 4888
38		8.5A	10 16.064	0.0001	13	-5 9 24.75	-0.021	13	0.27	16.052	16	33.6	24.41	16	33.6	K5	17	6517	A -5 4906
39		9.1A	10 16.937	-0.0004	13	-5 51 49.67	-0.017	13	0.27	16.944	16	33.6	49.40	16	33.6	B8	17	6518	A -6 5065
40		9.1A	10 18.137	-0.0015	17	-3 38 40.10	-0.016	17	0.31	18.161	16	33.6	39.83	16	33.6	K5	F 17	6519	A -3 4511
41		9.1A	10 19.884	0.0015	13	-3 17 35.12	0.024	13	0.27	19.859	16	33.6	35.52	16	33.6	G0	17	6520	A -3 4512
42		8.5A	10 21.253	-0.0012	15	-3 37 59.78	0.013	15	0.29	21.273	16	33.6	59.99	16	33.6	K5	17	6521	A -3 4513
43		9.0A	10 21.570	-0.0000	11	-3 30 20.55	-0.047	13	0.25	21.570	16	33.6	19.78	16	33.6	F2	17	6522	A -3 4514
44		9.6A	10 27.301	0.0005	12	-6 22 49.25	0.035	12	0.25	27.293	16	33.6	49.83	16	33.6	F8	R 16	6626	A -6 5066
45		8.5A	10 28.164	-0.0002	12	-9 46 18.64	-0.005	12	0.25	28.166	16	33.6	18.56	16	33.6	B9	16	6625	A -9 5041
46		8.0A	10 28.466	-0.0005	13	-4 4 20.43	0.012	13	0.27	28.473	16	33.6	20.63	16	33.6	K2	17	6523	A -4 4724
47		8.9A	10 29.000	0.0011	12	-6 53 26.00	0.028	12	0.25	28.982	16	33.6	26.46	16	33.6	A0	16	6627	A -7 4890
48		9.3A	10 33.596	-0.0001	12	-8 22 29.51	0.010	12	0.25	33.599	16	33.6	29.68	16	33.6	K2	R 16	6628	A -8 4892
49		8.5A	10 35.797	0.0002	13	-3 32 35.74	0.005	11	0.25	35.794	16	33.6	35.82	16	33.6	A0	17	6524	A -3 4516
50		9.1A	10 36.195	0.0007	11	-6 33 25.25	0.010	11	0.23	36.184	16	33.6	25.42	16	33.6	B8	16	6629	A -6 5067
51		9.3A	19 10 43.112	-0.0008	12	-8 27 8.07	-0.010	11	0.24	43.126	16	33.6	7.91	16	33.6	K0	R 16	6630	A -8 4893
52		8.8A	10 57.140	0.0008	12	-7 52 54.06	-0.019	12	0.25	57.126	16	33.6	53.75	16	33.6	K5	R 16	6631	A -8 4896
53		9.0A	10 59.079	-0.0012	13	-4 30 17.83	-0.009	13	0.27	59.089	16	33.6	17.68	16	33.6	A0	17	6525	A -4 4725
54		9.6A	11 8.249	-0.0007	11	-8 24 47.42	0.011	11	0.23	8.260	16	33.6	47.60	16	33.6	K0	R 16	6632	A -8 4897
55		9.1A	11 10.267	0.0010	12	-6 26 46.86	-0.016	12	0.25	10.250	16	33.6	46.60	16	33.6	F8	16	6633	A -6 5071
56		8.7A	11 11.857	-0.0005	09	-1 55 18.82	-0.022	11	0.22	11.864	17	36.5	18.52	17	36.5	B9	21	4811	A -2 4897
57		8.8A	11 13.118	-0.0009	13	-5 58 57.03	-0.022	13	0.27	13.132	16	33.6	57.39	16	33.6	A3	17	6526	A -6 5072
58		9.0A	11 17.746	0.0000	13	-2 49 20.30	-0.002	13	0.27	17.746	16	33.6	20.27	16	33.6	K0	17	6529	A -2 4899
59		9.1A	11 19.055	-0.0023	13	-4 55 51.34	-0.016	13	0.27	19.092	16	33.6	51.08	16	33.6	K5	F 17	6528	A -5 4912
60		8.8A	11 23.536	-0.0008	12	-8 54 51.99	-0.002	12	0.25	23.548	16	33.6	51.96	16	33.6	K2	16	6635	A -9 5047
61		8.8A	11 24.429	0.0001	09	-1 53 55.54	-0.017	11	0.22	24.427	17	36.5	55.31	17	36.5	F8	21	4812	A -2 4901
62		9.0A	11 31.229	0.0037	09	-1 47 34.77	-0.061	11	0.22	31.179	17	36.5	33.95	17	36.5	G5	21	4815	A -1 3682
63		6.5T	11 32.318	0.0025	13	-8 48 19.97	-0.011	12	0.71	32.190	21	97.7	19.37	19	95.1	K0	GC	26500K	-8 4900
64		9.0A	11 32.793	-0.0008	12	-9 8 39.61	0.008	12	0.25	32.806	16	33.6	39.74	16	33.6	K5	R 16	6637	A -9 5048
65		9.1A	11 38.262	0.0001	12	-2 12 27.02	0.005	12	0.25	38.260	16	33.6	27.11	16	33.6	B8	17	6534	A -2 4902
66		7.8A	11 39.663	0.0019	09	-3 35 17.26	-0.046	09	0.22	39.632	16	33.6	16.50	16	33.6	G0	17	6533	A -3 4522
67		7.8A	11 40.636	-0.0020	11	-5 46 46.20	-0.012	09	0.22	40.668	16	33.6	46.01	16	33.6	B8	17	6532	A -5 4915
68		7.5A	11 42.951	0.0015	09	-1 13 39.76	-0.040	11	0.22	42.931	17	36.5	39.22	17	36.5	K2	21	4816	A -1 3683
69		7.9A	11 43.735	0.0010	12	-7 57 3.82	-0.022	12	0.25	43.718	16	33.6	3.46	16	33.6	K0	16	6639	A -8 4902
70		8.9A	11 45.410	-0.0009	12	-8 34 9.60	-0.025	12	0.25	45.424	16	33.6	9.19	16	33.6	K5	16	6640	A -8 4903
71		8.9A	11 51.981	0.0002	12	-8 53 12.87	-0.033	12	0.25	51.977	16	33.6	12.33	16	33.6	G5	16	6641	A -9 5052
72		8.5A	11 53.306	-0.0003	13	-2 30 6.10	0.008	13	0.27	53.311	16	33.6	6.24	16	33.6	K0	17	6535	A -2 4905
73		9.0A	11 59.284	-0.0011	09	-1 23 27.92	-0.032	11	0.22	59.300	17	36.5	27.49	17	36.5	B9	21	4821	A -1 3686
74		8.9A	12 6.831	0.0013	12	-8 28 56.00	-0.009	12	0.25	6.810	16	33.6	55.86	16	33.6	K5	16	6642	A -8 4906
75		8.7A	12 11.282	0.0001	13	-3 28 18.57	0.006	13	0.27	11.280	16	33.6	18.68	16	33.6	B9	17	6536	A -3 4526
76		9.0A	12 17.842	0.0009	12	-9 41 2.32	-0.021	12	0.25	17.828	16	33.6	1.98	16	33.6	F8	16	6643	A -9 5055
77		9.0A	12 23.902	-0.0001	13	-4 33 17.05	-0.008	13	0.27	23.904	16	33.6	16.92	16	33.6	K0	17	6537	A -4 4732
78		8.5A	12 27.876	0.0009	09	-3 24 56.65	-0.010	09	0.22	27.862	16	33.6	56.50	16	33.6	F8	17	6538	A -3 4530
79		9.4A	12 31.805	-0.0009	11	-1 43 10.99	0.006	11	0.23	31.820	16	33.6	11.10	16	33.6	A2	17	6540	A -1 3689
80		8.4A	12 33.963	0.0009	13	-4 3 16.97	-0.011	13	0.27	33.947	16	33.6	16.79	16	33.6	A5	17	6539	A -4 4737
81		8.5A	12 34.279	0.0017	15	-3 26 25.68	0.005	15	0.29	34.250	16	33.6	25.77	16	33.6	K2	17	6541	A -3 4532
82		9.0A	12 41.033	0.0003	12	-7 47 18.92	-0.006	12	0.25	41.028	16	33.6	18.83	16	33.6	A2	16	6644	A -7 4898
83		6.6T	12 41.651	0.0003	10	-6 8 18.40	0.002	09	0.57	41.632	15	95.3	18.52	15	93.8	F0	GC	26524	-6 5077
84		7.7I	12 41.684	0.0020	20	-7 8 8.41	0.008	22	0.81	41.611	19	13.2	8.71	21	12.7	S4	GC	26525V	*
85		7.6Q	12 49.639	0.0004	08	-3 12 8.22	0.011	07	0.45	49.617	15	94.9	8.86	15	92.6	K2	GC	26527	-3 4535
86		8.9A	12 53.754	0.0024	09	-8 42 42.04	-0.030	09	0.22	53.714	16	33.6	41.55	16	33.6	G0	16	6647	A -8 4907
87		8.6A	13 0.065	-0.0013	13	-3 7 46.69	-0.012	13	0.27	0.087	16	33.6	46.50	16	33.6	K2	17	6543	A -3 4536
88		9.1A	13 3.058	-0.0006	12	-9 35 14.63	-0.032	12	0.25	3.068	16	33.6	14.11	16	33.6	K0	16	6648	A -9 5062
89		9.0A	13 3.398	0.0007	13	-5 0 56.98	-0.011	13	0.27	3.387	16	33.6	56.81	16	33.6	K2	17	6544	A -5 4917
90		9.1A	13 4.007	-0.0009	13	-3 26 22.20	0.002	13	0.27	4.021	16	33.6	22.24	16	33.6	K0	17	6545	A -3 4537
91		9.0A	13 4.950	-0.0007	13	-2 58 0.21	-0.003	13	0.27	4.962	16	33.6	0.17	16	33.6	A3	17	6546	A -3 4538
92		8.3A	13 7.900	0.0015	13	-2 40 4.19	0.001	13	0.27	7.875	16	33.6	4.21	16	33.6	F5	17	6548	A -2 4912
93		9.0A	13 9.414	-0.0009	13	-5 24 2.49	-0.009	13	0.27	9.428	16	33.6	2.35	16	33.6	B9	17	6547	A -5 4918
94		8.5A	13 13.462	-0.0019	13	-2 6 17.23	-0.006	13	0.27	13.494	16	33.6	17.14	16	33.6	K0	17	6551	A -2 4913
95		9.1A	13 13.500	-0.0005	12	-5 16 32.05	-0.010	12	0.25	13.508	16	33.6	31.89	16	33.6	F2	17	6549	A -5 4920
96		8.8A	13 15.939	0.0011	12	-7 6 22.18	-0.003	12	0.25	15.981	16	33.6	22.14	16	33.6	K2	16	6650	A -7 4902
97		9.1A	13 16.032	0.0004	11	-7 51 50.21	-0.030	09	0.22	16.025	16	33.6	49.72	16	33.6	G0	R 16	6649	A -8 4911
98		9.0A	13 16.732	-0.0001	13	-5 44 5.86	-0.003	13	0.27	16.733	16	33.6	5.81	16	33.6	K2	17	6550	A -5 4921
99		8.8A	13 19.724	0.0024	09	-1 49 15.66	-0.006	11	0.22	19.691	17	36.5	15.58	17	36.5	F5	21	4822	A -1 3693
00		7.4A	13 33.119	0.0006	11	-8 46 45.92	-0.004	11	0.23	33.109	16	33.6	45.86	16	33.6	K0	16	6652	A -8 4912

143200 — EPOCH 1950 — ORIGINAL EPOCH — SOURCE — 00 19H

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	σ'_μ ″.001	σ_{1950} ″	α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	DM NUMBER
1		9.0A	19 13 34.538	-0.0002	09	-3 23 15.77	-0.001	09	0.22	34.541	16	33.6	15.76	16	33.6	K0	17	6554	A -3 4541
2		9.0A	13 36.803	-0.0009	09	-5 50 3.21	-0.010	09	0.22	36.817	16	33.6	3.05	16	33.6	B9	17	6553	A -5 4922
3		9.3A	13 38.185	0.0010	11	-6 59 22.47	0.020	11	0.23	38.169	16	33.6	22.80	16	33.6	B8	16	6654	A -7 4905
4		8.7Q	13 39.274	0.0017	09	-2 45 19.26	0.003	08	0.44	39.195	15	03.5	19.42	15	02.0	F0	GC	26553	-2 4916
5		8.9A	13 39.857	-0.0007	13	-2 2 25.29	-0.007	13	0.27	39.868	16	33.6	25.18	16	33.6	K0	17	6556	A -2 4917
6		8.8A	13 39.966	0.0002	11	-6 56 4.30	0.005	11	0.23	39.962	16	33.6	4.39	16	33.6	K5 R	16	6656	A -7 4906
7		9.4A	13 41.830	-0.0007	09	-0 7 50.66	-0.015	11	0.22	41.840	17	36.5	50.46	17	36.5	F8	21	4823	A -0 3684
8		9.0A	13 41.902	0.0009	12	-9 30 57.09	-0.007	12	0.25	41.888	16	33.6	56.98	16	33.6	A0	16	6655	A -9 5068
9		9.1A	13 42.856	-0.0006	11	-8 20 45.25	0.003	11	0.23	42.866	16	33.6	45.30	16	33.6	K5	16	6657	A -8 4913
10		8.5A	13 45.615	-0.0000	13	-2 13 23.24	0.011	13	0.27	45.615	16	33.6	23.43	16	33.6	A0	17	6557	A -2 4918
11		8.6A	13 59.712	-0.0003	13	-2 18 41.50	-0.007	13	0.27	59.717	16	33.6	41.39	16	33.6	B8	17	6558	A -2 4920
12		8.9A	14 2.129	-0.0004	12	-9 31 3.78	-0.017	12	0.25	2.135	16	33.6	3.50	16	33.6	B9	16	6658	A -9 5072
13		9.4A	14 10.935	0.0071	13	-3 53 36.41	-0.109	13	0.27	10.818	16	33.6	34.63	16	33.6	K0	17	6559	A -4 4748
14		9.3A	14 15.254	0.0008	11	-7 56 51.68	0.001	11	0.23	15.241	16	33.6	51.70	16	33.6	K2	16	6659	A -8 4917
15		9.2A	14 17.407	0.0010	12	-7 18 8.32	-0.042	12	0.25	17.390	16	33.6	7.64	16	33.6	G0	16	6660	A* -7 4909
16		7.8A	14 18.127	-0.0016	13	-4 44 39.37	-0.019	09	0.25	18.153	16	33.6	39.05	16	33.6	K0	17	6560	A -4 4750
17		8.3A	14 22.091	-0.0038	13	-2 2 13.92	0.023	13	0.27	22.153	16	33.6	14.30	16	33.6	K2	17	6561	A -2 4924
18		9.1A	14 25.453	0.0003	13	-3 5 15.08	0.022	13	0.27	25.448	16	33.6	15.45	16	33.6	K5	17	6562	A -3 4546
19		8.2A	14 28.925	-0.0006	13	-4 22 16.28	-0.031	13	0.27	28.935	16	33.6	15.78	16	33.6	K2	17	6563	A -4 4751
20		8.7A	14 32.006	0.0015	13	-3 28 7.20	0.012	13	0.27	31.981	16	33.6	7.40	16	33.6	A2	17	6564K	A -3 4548
21		9.0A	14 32.622	-0.0001	13	-3 53 57.93	0.001	13	0.27	32.624	16	33.6	57.95	16	33.6	B8	17	6565	A -4 4753
22		9.0A	14 34.386	0.0002	12	-9 29 38.59	0.010	12	0.25	34.382	16	33.6	38.76	16	33.6	K0	16	6661	A -9 5074
23		9.1A	14 35.272	0.0001	13	-1 40 57.11	0.000	13	0.27	35.270	16	33.6	57.12	16	33.6	K0	17	6566	A -1 3697
24		9.0A	14 42.644	0.0004	13	-4 23 41.53	-0.022	13	0.27	42.637	16	33.6	41.17	16	33.6	K2 F	17	6567	A -4 4754
25		8.6A	14 48.216	-0.0004	12	-6 57 53.10	-0.029	12	0.25	48.223	16	33.6	52.63	16	33.6	F8	16	6662	A -7 4912
26		9.0A	14 49.766	0.0001	09	-0 58 26.72	-0.012	11	0.22	49.764	17	36.5	26.56	17	36.5	G5	21	4827	A -1 3698
27		9.2A	14 51.055	0.0002	13	-3 24 1.07	-0.009	13	0.27	51.052	16	33.6	0.93	16	33.6	A0	17	6568	A -3 4549
28		8.8A	14 58.938	-0.0003	09	-1 16 15.10	-0.029	11	0.22	58.942	17	36.5	14.71	17	36.5	K2	21	4829	A -1 3699
29		9.4A	15 1.028	0.0001	11	-8 12 5.82	0.003	11	0.23	1.026	16	33.6	5.87	16	33.6	A2	16	6663	A -8 4920
30		9.0A	15 1.437	0.0010	11	-6 4 12.25	-0.001	11	0.23	1.420	16	33.6	12.24	16	33.6	B9	16	6664	A -6 5086
31		9.2A	15 8.029	0.0004	12	-7 9 52.69	-0.006	12	0.25	8.022	16	33.6	52.60	16	33.6	A3	16	6665	A -7 4915
32		9.3A	15 15.095	0.0006	11	-8 18 51.95	-0.022	11	0.23	15.085	16	33.6	51.59	16	33.6	F	16	6667	A -8 4921
33		8.8A	15 15.275	-0.0001	09	-0 8 56.37	-0.020	11	0.22	15.275	17	36.5	56.09	17	36.5	F2	21	4831	A -0 3694
34		7.9A	15 16.032	0.0009	11	-9 46 39.57	0.016	11	0.23	16.018	16	33.6	39.84	16	33.6	F0	16	6666	A -9 5079
35		7.2T	15 22.277	0.0001	07	-1 2 4.97	-0.018	06	0.38	22.272	14	98.1	4.00	15	95.0	A5	GC	26600K	-1 3701
36		9.3Q	15 22.364	0.0011	09	-3 33 52.48	-0.015	05	0.35	22.317	17	07.2	51.66	15	94.9	B8	GC	26601K	B* -3 4553
37		7.4A	15 27.272	-0.0008	11	-5 30 53.74	0.002	11	0.23	27.284	16	33.6	53.78	16	33.6	K2	17	6570K	A -5 4927
38		8.6Q	15 27.514	0.0002	08	-1 5 59.98	0.015	09	0.41	27.505	15	05.4	+ 0.65	17	06.7	K2	GC	26608	-1 3702
39		9.0A	15 30.061	0.0008	12	-7 15 58.50	-0.013	12	0.25	30.047	16	33.6	58.29	16	33.6	B9	16	6668	A -7 4916
40		8.7A	15 39.112	0.0014	11	-7 3 18.88	0.009	11	0.23	39.089	16	33.6	19.03	16	33.6	A5	16	6669	A -7 4917
41		8.9A	15 45.756	-0.0010	12	-7 9 23.02	-0.003	12	0.25	45.772	16	33.6	22.98	16	33.6	K2	16	6670	A -7 4918
42		9.0A	15 47.336	-0.0033	13	-2 13 18.92	0.004	13	0.27	47.389	16	33.6	18.99	16	33.6	B3 F	17	6572	A -2 4932
43		9.0A	15 48.660	0.0017	12	-6 29 51.19	0.009	12	0.25	48.632	16	33.6	51.34	16	33.6	A0	16	6671	A -6 5091
44		9.0A	15 49.183	-0.0009	13	-5 31 52.41	-0.020	11	0.25	49.197	16	33.6	52.09	16	33.6	A0	17	6571	A -5 4926
45		7.8A	15 51.996	-0.0000	12	-6 46 48.53	0.001	12	0.25	51.997	16	33.6	48.55	16	33.6	K0	16	6672	A -6 5092
46		9.2A	15 53.022	0.0006	12	-7 37 4.25	0.010	12	0.25	53.013	16	33.6	4.42	16	33.6	B9	16	6673	A -7 4919
47		9.2A	16 5.327	-0.0010	13	-1 58 44.39	0.025	13	0.27	5.343	16	33.6	44.81	16	33.6	G5	17	6575	A -2 4935
48		9.2A	16 6.016	0.0001	11	-3 13 43.65	0.010	11	0.23	6.014	16	33.6	43.82	16	33.6	B9	17	6574	A -3 4556
49		9.0A	16 6.044	0.0006	09	-8 10 59.21	-0.032	09	0.22	6.034	16	33.6	58.86	16	33.6	A0	16	6674	A -8 4929
50		7.8A	16 6.967	-0.0002	13	-5 51 52.50	-0.026	13	0.27	6.970	16	33.6	52.08	16	33.6	A0	17	6573	A -6 5096
51		8.8A	19 16 8.560	-0.0001	09	-1 40 13.99	-0.007	11	0.22	8.562	17	36.5	13.90	17	36.5	B9	21	4837	A -1 3706
52		9.3A	16 10.554	0.0010	11	-3 58 29.05	0.010	11	0.23	10.538	16	33.6	29.21	16	33.6	K5 F	17	6576	A -4 4765
53		9.4A	16 13.637	0.0006	11	-8 6 29.89	-0.002	11	0.23	13.627	16	33.6	29.86	16	33.6	G0 R	16	6676	A -8 4930
54		9.0A	16 13.792	-0.0001	13	-4 20 29.78	-0.010	13	0.27	13.794	16	33.6	29.61	16	33.6	G5	17	6578	A -4 4766
55		8.2A	16 15.377	-0.0004	13	-3 52 3.13	0.000	13	0.27	15.384	16	33.6	3.13	16	33.6	K2	17	6579	A -4 4768
56		9.4A	16 18.272	-0.0009	11	-7 4 24.47	-0.028	11	0.23	18.287	16	33.6	24.01	16	33.6	K0 R	16	6677	A -7 4921
57		9.5A	16 23.256	-0.0007	11	-4 1 13.71	0.011	11	0.23	23.267	16	33.6	13.89	16	33.6	K0 R	17	6580	A -4 4770
58		9.2A	16 34.150	0.0006	13	-4 4 44.75	0.011	13	0.27	34.140	16	33.6	44.94	16	33.6	F8	17	6581	A -4 4773
59		8.5A	16 34.180	-0.0008	11	-9 2 19.69	0.018	11	0.23	34.192	16	33.6	19.99	16	33.6	F8	16	6678	A -9 5088
60		8.5A	16 39.624	-0.0002	12	-7 6 47.81	-0.007	12	0.25	39.627	16	33.6	47.70	16	33.6	K0	16	6679	A -7 4923
61		8.5A	16 44.010	0.0011	13	-5 42 25.67	-0.012	13	0.27	43.991	16	33.6	25.48	16	33.6	A5	17	6582	A -5 4933
62		8.3A	16 45.563	-0.0010	12	-7 17 38.70	-0.097	12	0.25	45.579	16	33.6	37.11	16	33.6	K0	16	6680	A -7 4924
63		8.3A	16 55.412	0.0003	13	-4 57 45.60	0.030	13	0.27	55.407	16	33.6	46.09	16	33.6	A5	17	6583	A -5 4934
64		9.3Q	16 58.032	-0.0006	08	-0 36 8.08	-0.005	07	0.42	58.062	14	99.3	7.83	14	95.5	K0	GC	26642	-0 3704
65		9.0A	17 0.549	-0.0000	12	-9 6 9.84	-0.007	12	0.25	0.549	16	33.6	9.73	16	33.6	B9	16	6682	A -9 5090
66		8.8A	17 5.874	-0.0003	13	-3 25 59.71	-0.010	13	0.27	5.880	16	33.6	59.55	16	33.6	A0	17	6584	A -3 4559
67		8.5A	17 8.182	0.0025	12	-9 32 41.71	-0.002	12	0.25	8.141	16	33.6	41.68	16	33.6	F2	16	6683	A -9 5091
68		8.8A	17 8.477	0.0000	09	-0 8 35.54	0.001	11	0.22	8.477	17	36.5	35.55	17	36.5	B9	21	4842	A -0 3705
69		9.3A	17 13.374	-0.0019	13	-4 55 37.14	-0.007	13	0.27	13.406	16	33.6	37.02	16	33.6	G8 F	17	6585	A -5 4935
70		8.6A	17 16.376	-0.0081	12	-9 24 46.32	-0.314	12	0.25	16.508	16	33.6	41.17	16	33.6	G5	16	6685	A -9 5092
71		8.4A	17 16.386	0.0018	12	-8 57 58.49	0.007	12	0.25	16.356	16	33.6	58.61	16	33.6	A0	16	6684	A -9 5093
72		7.5A	17 18.131	0.0017	12	-9 30 18.57	-0.003	12	0.25	18.102	16	33.6	18.52	16	33.6	F0	16	6686	A -9 5094
73		9.0A	17 18.941	0.0011	12	-9 34 30.36	0.005	12	0.25	18.922	16	33.6	30.45	16	33.6		16	6687	A -9 5095
74		9.0A	17 19.712	0.0014	11	-8 38 6.61	-0.005	11	0.23	19.689	16	33.6	6.53	16	33.6	F0	16	6688	A -8 4934
75		7.0T	17 21.580	-0.0003	09	-6 43 17.81	-0.013	06	0.41	21.598	14	99.1	17.11	14	95.6	K0	GC	26655K	-6 5103
76		9.5A	17 25.984	0.0005	09	-3 8 7.26	0.004	09	0.22	25.975	16	33.6	7.34	16	33.6	K0 F	17	6586	A -3 4562
77		9.0A	17 27.492	-0.0001	12	-7 29 26.67	0.008	12	0.25	27.494	16	33.6	26.81	16	33.6	F2	16	6690	A -7 4926
78		9.2A	17 28.679	0.0018	17	-2 50 50.35	0.010	17	0.31	28.649	16	33.6	50.52	16	33.6	B9	17	6587	A -3 4563
79		8.9A	17 29.597	0.0016	09	-1 41 24.64	-0.002	11	0.22	29.575	17	36.5	24.62	17	36.5	B8	21	4843	A -1 3711
80		9.0A	17 30.317	0.0007	09	-0 57 44.63	-0.014	11	0.22	30.307	17	36.5	44.44	17	36.5	F2	21	4844	A -1 3713
81		9.2A	17 32.715	0.0015	12	-2 51 46.44	0.003	12	0.25	32.690	16	33.6	46.50	16	33.6	K8 F	17	6589	A -3 4565
82		7.8A	17 39.207	0.0019	13	-2 41 39.98	0.090	13	0.27	39.176	16	33.6	41.46	16	33.6	K0	17	6590	A -2 4943
83		9.0A	17 47.560	0.0011	09	-1 15 9.85	0.002	11	0.22	47.544	17	36.5	9.88	17	36.5	A0	21	4845	A -1 3714
84		9.0A	17 47.776	0.0011	09	-0 38 46.26	-0.049	11	0.22	47.761	17	36.5	45.60	17	36.5	K2	21	4846	A -0 3708
85		6.6T	17 51.534	0.0045	11	-1 24 18.20	0.032	11	0.61	51.295	17	96.9	19.97	17	95.3	F2	GC	26668	-1 3715
86		5.1T	17 52.720	0.0075	03	-5 30 38.65	0.048	03	0.15	52.351	06	01.1	41.04	05	00.3	G5	GC	26669	B* -5 4936
87		8.0A	17 52.811	0.0002	11	-6 50 31.01	0.014	11	0.23	52.807	16	33.6	31.24	16	33.6	+++	16	6691	A* -7 4929
88		8.3A	17 58.139	-0.0005	12	-8 18 53.47	-0.007	12	0.25	58.147	16	33.6	53.36	16	33.6	K2	16	6693	A -8 4939
89		8.8A	17 58.436	0.0010	12	-7 1 24.33	0.010	12	0.25	58.419	16	33.6	24.50	16	33.6	B9	16	6694	A -7 4930
90		8.7A	18 0.115	-0.0005	13	-4 8 57.06	0.012	12	0.26	0.122	16	33.6	57.26	16	33.6	K0	17	6593	A -4 4779
91		7.3A	18 0.633	0.0005	09	-2 34 11.54	-0.009	09	0.22	0.624	16	33.6	11.40	16	33.6	K0	17	6594	A -2 4946
92		5.5T	18 0.843	0.0002	04	-0 59 11.83	0.007	03	0.22	0.832	09	94.1	12.24	09	94.1	B9	GC	26673	B* -1 3716
93		8.3A	18 1.415	-0.0003	13	-5 39 40.37	0.015	13	0.27	1.420	16	33.6	40.62	16	33.6	B9	17	6592	A -5 4938
94		9.0A	18 5.551	-0.0011	13	-5 59 4.52	0.000	13	0.27	5.569	16	33.6	4.52	16	33.6	K2	17	6595	A -6 5109
95		9.1A	18 5.845	-0.0008	12	-9 43 33.26	-0.001	12	0.25	5.857	16	33.6	33.25	16	33.6	G5	16	6695	A -9 5099
96		7.4T	18 9.468	-0.0011	12	-4 35 48.87	0.006	11	0.62	9.526	15	97.4	49.18	15	97.6	K5	GC	26676	-4 4781
97		8.8A	18 14.237	0.0009	09	-1 49 1.11	0.006	11	0.22	14.225	17	36.5	1.19	17	36.5	K0	21	4852	A -1 3717
98		9.0A	18 16.104	0.0021	13	-5 31 32.11	-0.013	13	0.27	16.069	16	33.6	31.90	16	33.6	K2 R	17	6597	A -5 4939
99		9.1A	18 17.221	0.0006	11	-8 12 56.85	-0.009	11	0.23	17.211	16	33.6	56.70	16	33.6	F0	16	6697	A -8 4941
00		8.7A	18 20.503	-0.0002	12	-9 52 18.25	-0.065	12	0.25	20.505	16	33.6	17.18	16	33.6	F2	16	6698	A -10 5039

143300

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ_s	σ_μ .001"	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ .001"	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ .01"	ep.	δ_2 ″	σ' .01"	ep.	SP.	SOURCE CAT.	STAR NUMBER	DM NUMBER
1		8.9A	19 18 20.925	-0.0016	13	-5 23 23.99	-0.055	13	0.27	20.951	16	33.6	23.10	16	33.6	G0 R	17	6599	A -5 4940
2		9.2A	18 24.203	-0.0020	20	-9 45 55.97	-0.023	20	0.36	24.236	18	33.6	55.60	16	33.6	K J	11	6743	A -9 5100
3		7.1T	18 31.714	0.0009	08	-1 16 17.89	-0.014	08	0.46	31.666	15	96.4	17.16	15	96.6	K2	GC	26685	B* -1 3720
4		9.3A	18 36.261	0.0010	12	-6 30 38.77	-0.038	12	0.25	36.244	16	33.6	38.15	16	33.6	F8 R	16	6699	A -8 5112
5		8.7A	18 43.908	0.0000	13	-5 41 35.15	-0.006	13	0.27	43.907	16	33.6	35.06	16	33.6	K5	17	6600	A -5 4941
6		9.0A	18 50.754	0.0008	09	-0 0 22.37	0.008	11	0.22	50.743	17	36.5	22.47	17	36.5	B9	21	4855	A -0 3717
7		9.0A	18 55.951	0.0022	09	-0 2 35.40	0.147	11	0.22	55.521	17	36.5	37.38	17	36.5	G0	21	4856	A -0 3718
8		8.5A	19 0.175	0.0007	11	-2 34 42.89	0.015	11	0.23	0.164	16	33.6	43.14	16	33.6	K5	17	6601	A -2 4950
9		9.1A	19 4.225	0.0002	12	-8 17 23.25	-0.011	12	0.25	4.222	16	33.6	23.07	16	33.6	K0	16	6701	A -8 4947
10		8.2A	19 7.167	-0.0011	13	-4 54 35.72	-0.006	11	0.25	7.185	16	33.6	35.62	16	33.6	A0	17	6602	A -5 4942
11		9.0A	19 9.293	-0.0022	11	-2 40 16.62	0.005	11	0.23	9.329	16	33.6	16.71	16	33.6	B9	17	6603	A -2 4954
12		8.0A	19 10.980	0.0009	13	-1 56 5.63	0.010	13	0.27	10.985	16	33.6	5.80	16	33.6	B8	17	6604	A -2 4956
13		9.0A	19 14.816	-0.0015	13	-5 11 36.91	-0.001	13	0.27	14.840	16	33.6	36.90	16	33.6	B8 R	17	6605	A -5 4943
14		9.1A	19 22.994	0.0021	09	-5 27 17.31	-0.014	09	0.22	22.960	16	33.6	17.69	16	33.6	A0 R	17	6606	A -5 4944
15		7.7T	19 24.586	0.0001	09	-4 50 3.36	-0.046	05	0.45	24.581	15	92.1	0.35	14	84.7	F5	GC	26711K	-5 4945
16		9.4A	19 25.136	0.0024	13	-4 49 45.03	-0.059	13	0.27	25.096	16	33.6	44.06	16	33.6		17	6608	A -5 4946
17		8.2A	19 27.116	0.0013	12	-7 40 58.20	-0.028	12	0.25	27.095	16	33.6	57.74	16	33.6	F2	16	6702K	A -7 4933
18		9.0A	19 28.104	-0.0002	09	-1 20 17.68	-0.003	11	0.22	28.106	17	36.5	17.64	17	36.5	K0	21	4859	A -1 3723
19		8.1G	19 31.079	0.0006	10	-6 8 29.78	0.000	09	0.47	31.048	14	01.7	29.79	15	02.4	F8	GC	26714	-6 5117
20		8.4A	19 36.381	-0.0002	12	-7 49 31.36	-0.097	12	0.25	36.385	16	33.6	29.77	16	33.6	G0	16	6704	A -7 4934
21		6.5T	19 37.864	-0.0011	10	-8 17 49.87	-0.024	11	0.58	37.925	17	96.7	48.58	14	96.1	B5	GC	26720	-8 4950
22		8.5A	19 46.188	0.0013	11	-4 34 34.58	0.001	11	0.23	46.167	16	33.6	34.59	16	33.6	F5	17	6609	A -4 4787
23		7.9A	19 47.200	0.0003	11	-7 18 54.58	-0.020	11	0.23	47.195	16	33.6	54.26	16	33.6	A0	16	6706	A -7 4935
24		6.0T	19 47.208	0.0033	04	-0 20 54.61	-0.025	04	0.17	47.076	07	10.0	53.51	07	06.6	K0	GC	26723	B* -0 3725
25		8.7A	19 47.742	-0.0006	13	-3 43 48.92	-0.001	13	0.27	47.752	16	33.6	48.91	16	33.6	B9	17	6610	A -3 4572
26		9.2A	19 49.839	0.0005	12	-9 29 42.04	-0.004	12	0.25	49.831	16	33.6	41.98	16	33.6	B9	16	6707	A -9 5107
27		8.9A	19 54.416	0.0015	12	-8 51 6.74	0.010	12	0.25	54.391	16	33.6	6.91	16	33.6	A0	16	6708	A -9 5108
28		7.1T	19 56.050	-0.0003	08	-3 48 52.47	-0.018	07	0.42	56.067	14	94.8	51.45	14	93.0	A0	GC	26727	-3 4573
29		8.6A	19 57.641	0.0007	12	-9 51 15.93	-0.011	12	0.25	57.629	16	33.6	15.75	16	33.6	G5	16	6709	A -10 5053
30		8.8G	20 0.377	0.0026	09	-7 13 29.82	-0.015	05	0.40	0.267	19	06.9	28.93	18	90.3	F0	GC	26728K	B* -7 4938
31		9.3A	20 1.904	0.0013	11	-8 28 22.17	0.007	11	0.23	1.883	16	33.6	22.29	16	33.6	A0	16	6711	A -8 4953
32		8.9A	20 5.932	0.0000	09	-0 22 57.35	-0.013	11	0.22	5.932	17	36.5	57.17	17	36.5	A2	21	4864	A -0 3726
33		9.2A	20 10.005	0.0009	11	-2 4 35.31	-0.006	11	0.23	9.990	16	33.6	35.22	16	33.6	K0 F	17	6612	A -2 4963
34		9.1A	20 11.438	0.0022	09	-1 51 51.35	0.023	11	0.22	11.408	17	36.5	51.66	17	36.5	F8	21	4865	A -2 4964
35		9.1A	20 12.622	-0.0010	12	-9 16 0.41	-0.012	12	0.25	12.638	16	33.6	0.22	16	33.6	K5	16	6712	A -9 5110
36		8.8A	20 12.817	0.0007	11	-2 58 46.95	0.012	11	0.23	12.806	16	33.6	47.15	16	33.6	A0	17	6614	A -3 4577
37		9.0A	20 16.074	0.0011	09	-7 4 6.35	0.006	09	0.22	16.056	16	33.6	6.45	16	33.6	A0	16	6713	A -7 4940
38		7.9A	20 17.686	0.0010	12	-7 3 17.67	-0.003	12	0.25	17.669	16	33.6	17.63	16	33.6	F0	16	6714	A -7 4941
39		9.1A	20 21.683	0.0004	09	-1 50 16.09	0.006	14	0.23	21.677	17	36.5	16.18	17	36.5	F5 R	21	4866	A* -1 3726
40		6.4T	20 22.498	0.0026	13	-7 29 50.16	-0.007	10	0.67	22.358	17	95.0	49.76	17	92.7	K0	GC	26731	-7 4942
41		8.9A	20 23.140	0.0020	12	-6 49 17.80	0.010	12	0.25	23.107	16	33.6	17.97	16	33.6	F2	16	6716	A -6 5123
42		8.9A	20 24.331	-0.0011	12	-7 17 56.64	0.007	12	0.25	24.349	16	33.6	56.76	16	33.6	K0	16	6717	A -7 4944
43		9.1A	20 24.412	0.0003	12	-6 59 2.70	0.012	12	0.25	24.407	16	33.6	2.90	16	33.6	A2	16	6718	A -7 4945
44		9.0A	20 32.841	-0.0004	12	-9 2 26.76	-0.009	12	0.25	32.847	16	33.6	26.61	16	33.6	G5	16	6719	A -9 5115
45		9.1A	20 50.456	0.0026	13	-4 39 20.31	0.012	11	0.25	50.413	16	33.6	20.50	16	33.6	K3 F	17	6615	A -4 4791
46		8.9A	20 55.885	0.0012	09	-1 27 49.71	0.001	11	0.22	55.868	17	36.5	49.73	17	36.5	A3	21	4868	A -1 3730
47		8.0A	20 57.212	0.0011	09	-0 38 18.20	-0.018	11	0.22	57.196	17	36.5	17.96	17	36.5	B9	21	4869	A -0 3731
48		9.3A	21 1.978	0.0014	09	-8 19 50.84	-0.028	11	0.22	1.955	16	33.6	50.39	16	33.6	G0	16	6721	A -8 4959
49		9.0A	21 2.253	0.0005	13	-5 10 32.83	-0.003	13	0.27	2.245	16	33.6	32.78	16	33.6	B8 R	17	6617	A -5 4954
50		8.9A	21 2.571	-0.0004	12	-9 55 30.96	0.018	11	0.24	2.577	16	33.6	31.26	16	33.6	K5	16	6720	A -10 5061
51		8.1A	19 21 9.074	0.0005	11	-8 18 53.61	-0.014	09	0.22	9.065	16	33.6	53.39	16	33.6	K2	16	6722	A -8 4960
52		9.0A	21 13.269	-0.0054	11	-9 28 38.48	-0.032	11	0.23	13.357	16	33.6	37.96	16	33.6	G5	16	6723	A -9 5120
53		7.2A	21 21.796	-0.0000	12	-7 4 32.62	0.019	12	0.25	21.797	16	33.6	32.94	16	33.6	F0	16	6724	A -7 4947
54		7.4A	21 24.338	-0.0006	13	-5 35 57.53	-0.001	13	0.27	24.348	16	33.6	57.52	16	33.6	F5	17	6618	A -5 4956
55		8.8A	21 29.269	-0.0010	13	-4 56 5.28	-0.001	13	0.27	29.285	16	33.6	5.26	16	33.6	B8 F	17	6619	A -5 4958
56		8.8A	21 29.952	-0.0005	13	-5 24 34.26	-0.007	11	0.25	29.960	16	33.6	34.15	16	33.6	B9	17	6620	A -5 4957
57		9.1A	21 29.992	0.0001	12	-2 15 33.46	-0.010	12	0.25	29.990	16	33.6	33.30	16	33.6	K0 F	17	6621	A -2 4973
58		8.9A	21 35.153	0.0001	11	-8 18 35.84	-0.014	11	0.23	35.151	16	33.6	35.62	16	33.6	K0 R	16	6725	A -8 4962
59		7.2T	21 39.146	-0.0006	09	-9 26 11.29	-0.033	08	0.32	39.181	19	95.3	9.38	18	92.1	K5	GC	26772	-9 5123
60		9.0A	21 40.764	-0.0029	13	-1 57 49.82	-0.069	13	0.27	40.812	16	33.6	48.69	16	33.6	K0	17	6624	A -2 4974
61		9.2A	21 42.030	-0.0004	09	-2 56 13.99	0.002	09	0.22	42.036	16	33.6	14.03	16	33.6	B8	17	6625	A -3 4585
62		9.2A	21 43.122	0.0005	12	-7 9 11.79	-0.013	12	0.25	43.114	16	33.6	11.58	16	33.6	K0 R	16	6727	A -7 4949
63		8.0A	21 43.243	0.0003	15	-4 23 11.76	0.002	15	0.29	43.238	16	33.6	11.79	16	33.6	K2	17	6623	A -4 4799
64		9.0A	21 43.332	0.0009	13	-5 31 42.39	0.013	13	0.27	43.318	16	33.6	42.61	16	33.6	A0	17	6622	A -5 4959
65		8.5A	21 48.762	0.0024	12	-7 45 19.73	-0.108	12	0.25	48.722	16	33.6	17.96	16	33.6	K2	16	6728	A -7 4950
66		9.1A	21 50.535	0.0010	09	-1 53 37.84	0.026	11	0.22	50.521	17	36.5	38.20	17	36.5	K5	21	4871	A -2 4975
67		9.5A	21 55.174	-0.0014	12	-5 53 7.65	-0.012	12	0.25	55.196	16	33.6	7.46	16	33.6	A0 R	17	6627	A -6 5133
68		7.6A	22 4.696	0.0000	11	-5 31 1.51	0.012	11	0.23	4.695	16	33.6	1.71	16	33.6	A2	17	6628	A -5 4961
69		8.9A	22 9.304	-0.0025	12	-9 55 15.26	-0.050	12	0.25	9.345	16	33.6	14.44	16	33.6	K0	16	6730	A -10 5066
70		9.0A	22 10.271	-0.0001	12	-8 12 4.41	0.003	12	0.25	10.274	16	33.6	4.46	16	33.6	B8	16	6732	A -8 4966
71		8.5A	22 11.525	-0.0000	12	-9 33 0.41	0.002	12	0.25	11.525	16	33.6	0.45	16	33.6	G5	16	6731	A -9 5125
72		9.0A	22 21.998	0.0011	12	-8 0 8.09	-0.006	12	0.25	21.978	16	33.6	8.00	16	33.6	F5	16	6733	A -8 4968
73		6.5T	22 22.290	0.0034	15	-4 59 1.93	0.015	12	0.77	22.108	17	96.3	2.75	17	95.0	F0	GC	26798	-5 4964
74		8.9A	22 23.557	0.0009	13	-2 32 32.05	-0.028	13	0.27	23.542	16	33.6	31.60	16	33.6	G5	17	6630	A -2 4978
75		9.3A	22 24.166	0.0013	12	-6 34 11.71	-0.005	12	0.25	24.145	16	33.6	11.63	16	33.6	K2 R	16	6734	A -6 5138
76		8.5A	22 32.012	0.0014	13	-4 35 42.56	0.007	13	0.27	31.989	16	33.6	42.67	16	33.6	F2	17	6631	A -4 4803
77		8.7A	22 33.782	0.0004	09	-1 27 52.32	-0.006	11	0.22	33.776	17	36.5	52.24	17	36.5	K0	21	4872	A -1 3736
78		8.6A	22 34.795	0.0009	09	-1 57 41.90	0.000	11	0.22	34.784	17	36.5	41.90	17	36.5	K5	21	4873	A -1 3738
79		8.9A	22 42.121	-0.0001	13	-3 32 16.57	0.014	13	0.27	42.123	16	33.6	16.80	16	33.6	F8 F	17	6632	A -3 4587
80		8.7A	22 42.273	0.0025	13	-2 12 28.96	-0.001	13	0.27	42.232	16	33.6	28.95	16	33.6	F2	17	6633	A -2 4982
81		9.1A	22 42.422	0.0007	13	-2 14 0.36	0.009	13	0.27	42.410	16	33.6	0.52	16	33.6		17	6634	A -2 4983
82		8.6A	22 47.616	-0.0002	12	-7 1 41.37	0.003	12	0.25	47.620	16	33.6	41.42	16	33.6	K5	16	6736	A -7 4953
83		9.8A	22 48.572	-0.0011	12	-9 33 19.68	-0.012	12	0.25	48.590	16	33.6	19.48	16	33.6	G0 R	16	6735	A -9 5127
84		8.1G	22 48.811	-0.0030	07	-3 50 2.11	-0.068	06	0.34	48.950	14	03.8	-58.82	14	01.6	G5	GC	26814	-4 4805
85		8.5A	22 58.007	-0.0002	09	-0 2 15.65	-0.086	11	0.22	58.009	17	36.5	14.48	17	36.5	K5	21	4874	A -0 3737
86		7.7T	23 1.947	0.0007	10	-2 9 40.47	0.020	08	0.54	1.910	15	95.2	41.59	15	94.8	A0	GC	26818	-2 4986
87		9.1A	23 4.079	-0.0002	12	-6 34 10.54	0.017	12	0.25	4.082	16	33.6	10.82	16	33.6	G0	16	6739	A -6 5142
88		9.1A	23 7.361	0.0003	12	-9 39 13.51	0.026	12	0.25	7.355	16	33.6	13.94	16	33.6	A0	16	6738	A -9 5129
89		9.0A	23 9.099	-0.0010	13	-1 56 6.64	-0.008	13	0.27	9.115	16	33.6	6.52	16	33.6	G0 R	17	6637	A -2 4987
90		9.2A	23 10.411	-0.0005	11	-8 5 59.67	-0.006	11	0.23	10.416	16	33.6	59.58	16	33.6	K0 R	16	6740	A -8 4973
91		8.0A	23 12.736	-0.0009	12	-9 6 46.42	-0.012	12	0.25	12.750	16	33.6	46.23	16	33.6	MA	16	6741	A -9 5130
92		8.9A	23 24.791	0.0013	09	-0 46 4.68	-0.009	11	0.22	24.773	17	36.5	4.76	17	36.5	K0	21	4876	A -0 3738
93		8.8A	23 26.157	0.0011	12	-7 6 9.19	0.001	12	0.25	26.139	16	33.6	9.21	16	33.6	F0	16	6742	A -7 4956
94		9.1A	23 27.325	-0.0011	13	-5 2 11.18	-0.006	13	0.27	27.343	16	33.6	11.09	16	33.6	A5 F	17	6638	A -5 4971
95		9.2A	23 41.284	-0.0002	09	-0 21 19.70	-0.016	11	0.22	41.286	17	36.5	19.48	17	36.5	B8 R	21	4877	A -0 3741
96		9.2A	23 43.158	-0.0002	12	-5 36 40.35	0.023	12	0.25	43.161	16	33.6	40.73	16	33.6	G R	17	6639	A -5 4973
97		8.2A	23 43.816	0.0003	09	-0 12 0.71	0.014	11	0.22	43.812	17	36.5	0.89	17	36.5	B8	21	4878	A -0 3742
98		7.8A	23 46.553	0.0002	13	-2 2 50.18	0.011	13	0.27	46.550	16	33.6	50.37	16	33.6	B8	17	6640	A -2 4992
99		8.0A	23 50.424	-0.0001	12	-8 15 46.16	-0.020	12	0.25	50.426	16	33.6	45.84	16	33.6	F0	16	6743	A -8 4977
00		8.4A	23 56.440	-0.0002	12	-7 49 1.92	0.013	12	0.25	56.443	16	33.6	2.14	16	33.6	B9	16	6744	A -8 4979

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19H

143400 — 0° 19H

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	DM NUMBER
1		8.8A	19 23 58.097	0.0043	11	-6 43 45.30	0.000	11	0.23	58.026	16	33.6	45.30	16	33.6	G5	16	6747	A -6 5147
2		9.2A	23 58.723	0.0030	12	-9 13 35.75	-0.011	12	0.25	58.674	16	33.6	35.57	16	33.6	F8	16	6745	A -9 5132
3		8.9A	23 58.887	0.0005	11	-8 21 39.13	-0.041	12	0.24	58.878	16	33.6	38.46	16	33.6	A0	16	6746	A -8 4978
4		8.6A	24 4.901	0.0024	09	-0 56 0.78	0.015	11	0.22	4.868	17	36.5	0.99	17	36.5	F2	21	4881	A -1 3742
5		8.9A	24 9.181	-0.0012	12	-8 21 1.99	-0.014	12	0.25	9.201	16	33.6	1.76	16	33.6	K0	16	6748	A -8 4981
6		9.2A	24 13.924	0.0010	12	-7 55 13.73	-0.023	12	0.25	13.907	16	33.6	13.36	16	33.6	A0	16	6749	A -8 4982
7		9.0A	24 17.571	0.0011	09	-0 38 28.40	-0.006	11	0.22	17.555	17	36.5	28.32	17	36.5	K2 R	21	4882	A -0 3743
8		8.1A	24 23.196	-0.0041	09	-1 0 41.25	-0.141	11	0.22	23.251	17	36.5	39.35	17	36.5	G5	21	4884	A -1 3744
9		9.0A	24 24.289	0.0010	12	-8 23 49.97	0.006	12	0.25	24.273	16	33.6	50.07	16	33.6	K2	16	6750	A -8 4983
10		8.5A	24 36.020	0.0003	13	-4 9 55.42	-0.004	13	0.27	36.015	16	33.6	55.35	16	33.6	F8	17	6641	A -4 4811
11		8.8A	24 37.651	0.0005	13	-4 22 35.52	0.004	13	0.27	37.643	16	33.6	35.58	16	33.6	G8 F	17	6642	A -4 4812
12		7.7A	24 40.555	0.0012	11	-5 50 9.37	-0.036	09	0.22	40.535	16	33.6	8.79	16	33.6	A5	17	6643	A -6 5151
13		8.8A	24 43.014	0.0006	12	-7 29 51.11	0.054	12	0.25	43.004	16	33.6	52.00	16	33.6	G0	16	6753	A -7 4959
14		8.4A	24 43.207	-0.0013	12	-8 17 45.48	-0.008	12	0.25	43.228	16	33.6	45.35	16	33.6	K0	16	6752	A -8 4986
15		9.1A	24 43.492	-0.0006	12	-7 15 42.33	-0.008	12	0.25	43.501	16	33.6	42.20	16	33.6	K2	16	6754	A -7 4960
16		8.2T	24 46.783	-0.0003	09	-2 7 22.20	-0.008	08	0.46	46.798	14	00.0	21.80	14	98.0	B3	GC	26860	-2 4998
17		8.8A	24 52.004	-0.0000	11	-4 17 12.15	-0.006	11	0.23	52.004	16	33.6	12.06	16	33.6	A2	17	6645	A -4 4814
18		8.2A	24 57.499	-0.0001	12	-8 28 24.00	0.003	12	0.25	57.501	16	33.6	24.05	16	33.6	K5	16	6755	A -8 4987
19		9.1A	24 58.630	-0.0004	09	-0 25 28.29	-0.011	11	0.22	58.635	17	36.5	28.13	17	36.5	A0	21	4885	A -0 3746
20		8.8A	25 0.398	-0.0010	09	-0 52 47.75	-0.033	11	0.22	0.411	17	36.5	47.31	17	36.5	K0 R	21	4886	A -1 3746
21		9.0A	25 2.034	0.0013	12	-7 41 43.79	-0.005	12	0.25	2.013	16	33.6	43.71	16	33.6	A0	16	6756	A -7 4961
22		8.6A	25 10.092	-0.0005	12	-9 12 34.79	0.016	12	0.25	10.100	16	33.6	35.06	16	33.6	G5	16	6757	A -9 5139
23		7.5T	25 13.048	0.0011	12	-4 55 14.57	-0.014	14	0.77	12.985	17	92.2	13.78	15	93.6	K2	GC	26872	-5 4979
24		9.3A	25 14.066	0.0004	12	-8 28 17.35	-0.015	12	0.25	14.060	16	33.6	17.11	16	33.6	G5 R	16	6758	A -8 4988
25		9.0A	25 14.549	0.0015	12	-8 19 5.78	0.002	12	0.25	14.525	16	33.6	5.82	16	33.6	K0	16	6759	A* -8 4989
26		9.0A	25 15.668	-0.0002	09	-0 33 7.20	-0.014	11	0.22	15.670	17	36.5	7.01	17	36.5	A2	21	4887	A -0 3747
27		9.0A	25 17.993	0.0013	09	-0 11 15.68	0.019	11	0.22	17.975	17	36.5	15.93	17	36.5	F0 R	21	4888	A -0 3748
28		8.2A	25 18.859	0.0005	12	-9 31 41.27	0.010	12	0.25	18.850	16	33.6	41.43	16	33.6	K0	16	6760	A -9 5141
29		9.3A	25 23.087	-0.0041	13	-4 54 56.66	-0.024	11	0.25	23.154	16	33.6	56.26	16	33.6	G8 F	17	6647	A -5 4980
30		8.5A	25 27.456	0.0006	09	-1 26 29.85	-0.016	11	0.22	27.447	17	36.5	29.64	17	36.5	B9	21	4889	A -1 3747
31		8.1Q	25 28.558	-0.0003	08	-9 38 24.19	-0.015	06	0.39	28.575	18	00.6	23.32	17	92.0	F0	GC	26879K	-9 5143
32		9.4A	25 28.889	-0.0007	12	-9 4 54.74	0.005	12	0.25	28.900	16	33.6	54.83	16	33.6	K0 R	16	6763	A -9 5142
33		8.7A	25 29.289	-0.0022	12	-5 34 34.86	-0.091	12	0.25	29.325	16	33.6	33.37	16	33.6	G5	17	6648	A -5 4981
34		8.2Q	25 29.283	0.0007	10	-9 38 31.55	-0.025	07	0.44	29.253	18	04.0	30.22	18	96.8		GC	26880K	-9 5143
35		8.8A	25 30.971	0.0000	09	-0 38 31.27	0.007	11	0.22	30.971	17	36.5	31.37	17	36.5	A0	21	4890	A -0 3749
36		8.4A	25 31.465	0.0004	09	-0 31 20.44	0.028	11	0.22	31.459	17	36.5	20.82	17	36.5	F5	21	4892	A -0 3750
37		8.6A	25 31.883	-0.0011	09	-1 11 38.85	-0.003	11	0.22	31.898	17	36.5	38.82	17	36.5	B5	21	4891	A -1 3749
38		8.3A	25 33.026	-0.0003	09	-3 9 19.42	0.020	09	0.22	33.031	16	33.6	19.76	16	33.6	A0	17	6649	A -3 4598
39		9.4A	25 33.440	0.0000	12	-7 7 40.30	0.011	12	0.25	33.440	16	33.6	40.49	16	33.6	F8 R	16	6764	A -7 4963
40		8.8A	25 39.963	0.0001	11	-2 34 0.56	-0.005	09	0.22	39.962	16	33.6	0.48	16	33.6	A0 F	17	6650	A -2 5003
41		9.1A	25 45.940	0.0020	12	-8 43 15.18	0.007	12	0.25	45.907	16	33.6	15.30	16	33.6	A0	16	6765	A -8 4993
42		8.8A	25 46.426	0.0029	09	-0 17 28.92	-0.009	11	0.22	46.387	17	36.5	28.79	17	36.5	F8	21	4893	A -0 3751
43		8.5A	25 51.354	0.0005	12	-9 18 33.10	0.016	12	0.25	51.346	16	33.6	33.37	16	33.6	A0	16	6766	A -9 5146
44		9.4A	25 55.113	0.0022	13	-2 36 12.41	0.010	13	0.27	55.077	16	33.6	12.58	16	33.6	K0 F	17	6652	A -2 5005
45		9.0A	25 55.667	0.0027	11	-3 50 29.17	0.015	11	0.23	55.622	16	33.6	29.41	16	33.6	G5 F	17	6651K	A -4 4815
46		8.9A	25 56.896	0.0007	12	-8 15 20.70	-0.031	12	0.25	56.884	16	33.6	20.19	16	33.6	K5 R	16	6767	A -8 4995
47		8.8A	25 58.707	-0.0003	09	-0 37 21.80	-0.005	11	0.22	58.710	17	36.5	21.74	17	36.5	B8	21	4895	A -0 3753
48		8.8A	26 6.378	-0.0003	11	-5 26 44.88	-0.016	11	0.23	6.382	16	33.6	44.62	16	33.6	A3	17	6653	A -5 4983
49		9.1A	26 7.520	0.0013	13	-2 38 32.24	-0.036	13	0.27	7.498	16	33.6	31.66	16	33.6	K2 F	17	6654	A -2 5007
50		9.0A	26 7.884	0.0010	09	-0 43 19.56	-0.023	11	0.22	7.870	17	36.5	19.25	17	36.5	A0	21	4896	A -0 3755
51		8.4A	19 26 18.354	0.0003	12	-6 16 39.32	-0.006	12	0.25	18.348	16	33.6	39.23	16	33.6	B8	16	6769	A -6 5158
52		9.0A	26 18.800	0.0008	12	-7 21 33.64	0.021	12	0.25	18.787	16	33.6	33.99	16	33.6	G0	16	6768	A -7 4965
53		8.9A	26 25.826	-0.0007	12	-7 17 2.86	0.003	12	0.25	25.838	16	33.6	2.91	16	33.6	B9	16	6770	A -7 4967
54		6.3I	26 39.930	0.0014	11	-7 8 53.40	0.003	11	0.59	39.858	15	97.7	53.56	17	97.4	G4V	GC	26905V	B* -7 4968
55		8.3A	26 41.856	0.0011	11	-4 28 54.60	0.021	09	0.22	41.838	16	33.6	54.94	16	33.6	F2	17	6655	A -4 4816
56		8.0A	26 43.649	0.0014	09	-1 29 9.69	-0.018	11	0.22	43.630	17	36.5	9.45	17	36.5	K2	21	4897	A -1 3753
57		9.3A	26 46.702	-0.0005	12	-8 14 55.44	-0.049	12	0.25	46.710	16	33.6	54.64	16	33.6	F8 R	16	6772	A -8 5000
58		8.8A	26 47.071	0.0005	11	-2 54 42.54	-0.008	11	0.23	47.063	16	33.6	42.68	16	33.6	K2 F	17	6656	A -3 4603
59		9.0A	26 55.855	0.0010	09	-2 12 23.84	0.004	09	0.22	55.839	16	33.6	23.91	16	33.6	F2 F	17	6657	A -2 5011
60		9.0A	26 59.865	0.0023	09	-0 13 51.18	0.015	11	0.22	59.833	17	36.5	51.37	17	36.5	A0	21	4899	A -0 3761
61		8.8A	27 3.415	-0.0003	12	-2 49 28.44	0.011	13	0.26	3.419	16	33.6	28.63	16	33.6	G8 F	17	6658	A -3 4606
62		8.7A	27 6.547	-0.0001	12	-8 7 29.79	0.017	12	0.25	6.550	16	33.6	30.07	16	33.6	A3	16	6773	A -8 5002
63		9.1A	27 9.090	0.0009	11	-2 9 19.52	0.013	11	0.23	9.076	16	33.6	19.74	16	33.6	K0 F	17	6659	A -2 5014
64		9.5A	27 15.375	0.0019	12	-7 50 58.22	0.022	12	0.25	15.344	16	33.6	58.58	16	33.6	K0	16	6776	A -8 5005
65		8.5A	27 16.656	0.0007	12	-8 21 28.92	-0.001	12	0.25	16.644	16	33.6	28.91	16	33.6	K5 R	16	6777	A -8 5003
66		8.5A	27 20.429	0.0013	13	-5 1 40.20	-0.014	13	0.27	20.408	16	33.6	39.98	16	33.6	B8	17	6660	A -5 4985
67		8.9A	27 24.531	0.0001	12	-8 37 53.84	-0.013	12	0.25	24.529	16	33.6	53.63	16	33.6	K2	16	6778	A -8 5006
68		9.3A	27 26.570	-0.0014	11	-7 41 19.90	-0.002	12	0.24	26.593	16	33.6	19.87	16	33.6	A0	16	6779	A -7 4969
69		7.2T	27 30.341	-0.0003	08	-0 33 0.56	-0.016	06	0.44	30.359	14	91.0	-59.56	15	85.9	A3	GC	26924K	-0 3762
70		8.9A	27 33.285	0.0003	09	-0 15 27.22	0.002	11	0.22	33.280	17	36.5	27.25	17	36.5	G0 R	21	4901	A -0 3763
71		9.0A	27 35.392	-0.0009	13	-2 51 28.68	-0.008	13	0.27	35.407	16	33.6	28.56	16	33.6	A0 F	17	6661	A -3 4609
72		8.9A	27 36.761	0.0018	12	-6 39 38.10	0.009	12	0.25	36.731	16	33.6	38.25	16	33.6	K2 R	16	6780	A -6 5165
73		8.5A	27 37.937	0.0006	12	-6 38 18.54	-0.014	12	0.25	37.928	16	33.6	18.31	16	33.6	K5	16	6781	A -6 5166
74		9.0A	27 38.047	-0.0019	12	-4 29 19.11	-0.003	12	0.25	38.079	16	33.6	19.06	16	33.6	K2 F	17	6662	A -4 4826
75		9.1A	27 38.524	0.0004	12	-7 7 22.00	-0.014	12	0.25	38.517	16	33.6	21.78	16	33.6	F5 R	16	6782	A -7 4970
76		8.4Q	27 40.161	0.0019	08	-3 17 16.53	0.028	06	0.39	40.067	15	00.4	18.03	14	96.9	F8	GC	26926	-3 4611
77		9.6A	27 47.033	-0.0003	12	-7 22 44.14	0.001	12	0.25	47.038	16	33.6	44.16	16	33.6	A0	16	6783	A -7 4971
78		8.8A	27 52.979	0.0005	12	-8 32 28.92	0.014	12	0.25	52.970	16	33.6	29.15	16	33.6	K0	16	6784	A -8 5007
79		9.1A	27 55.706	0.0007	13	-2 25 57.74	-0.024	13	0.27	55.695	16	33.6	57.35	16	33.6	K2 F	17	6664	A -2 5019
80		9.0A	27 58.040	0.0010	09	-1 44 42.39	-0.012	11	0.22	58.026	17	36.5	42.23	17	36.5	G0 R	21	4904	A -1 3756
81		7.6A	27 59.210	-0.0001	12	-8 17 31.14	-0.013	12	0.25	59.213	16	33.6	30.93	16	33.6	B9	16	6785	A -8 5008
82		5.2H	28 2.906	0.0012	01	-2 53 40.34	-0.006	01	0.06	2.864	03	16.1	40.12	03	15.7	M0	F4	1509	-3 4612
83		9.0A	28 10.224	-0.0010	12	-9 16 29.85	0.006	12	0.25	10.239	16	33.6	29.95	16	33.6	K0	16	6786	A -9 5160
84		8.8A	28 11.459	-0.0002	12	-9 58 31.01	-0.050	12	0.25	11.461	16	33.6	30.19	16	33.6	F8	16	6787	A -10 5100
85		7.3T	28 12.312	-0.0090	11	-6 37 6.94	-0.142	12	0.63	12.792	15	96.8	-59.46	15	97.3	G0	GC	26942K	-6 5170
86		8.9A	28 18.038	0.0014	12	-7 17 6.30	0.015	12	0.25	18.014	16	33.6	6.55	16	33.6	A3	16	6789	A -7 4974
87		8.7A	28 19.212	0.0018	12	-8 1 51.63	0.008	12	0.25	19.182	16	33.6	51.76	16	33.6	A0	16	6790	A -8 5009
88		9.4A	28 21.659	0.0012	12	-7 28 1.76	0.006	12	0.25	21.640	16	33.6	1.86	16	33.6	K0	16	6791	A -7 4975
89		7.7A	28 23.906	-0.0002	13	-2 8 26.99	0.002	13	0.27	23.909	16	33.6	27.03	16	33.6	K5	17	6667	A -2 5022
90		8.5A	28 24.308	-0.0015	13	-4 21 38.10	0.021	13	0.27	24.333	16	33.6	38.44	16	33.6	A0	17	6666	A -4 4832
91		8.4A	28 33.237	0.0021	13	-5 46 41.12	-0.025	13	0.27	33.202	16	33.6	40.72	16	33.6	F8	17	6668	A -5 4989
92		9.2A	28 36.055	-0.0004	09	-1 2 33.70	-0.040	11	0.22	38.060	17	36.5	33.16	17	36.5	K2 R	21	4905	A -1 3760
93		9.7A	28 36.237	-0.0012	12	-7 57 15.03	-0.024	12	0.25	38.256	16	33.6	14.64	16	33.6	A0 R	16	6793	A -8 5012
94		6.7T	28 39.650	-0.0005	07	-2 12 59.83	0.002	05	0.36	39.678	12	96.2	59.97	10	89.2	B8	GC	26951K	B* -2 5024
95		8.9A	28 42.350	-0.0002	12	-8 35 51.01	-0.000	12	0.25	42.352	16	33.6	51.01	16	33.6	A0	16	6794	A -8 5013
96		8.5A	28 49.417	-0.0048	09	-4 0 24.93	-0.025	09	0.22	49.495	16	33.6	24.53	16	33.6	K2 F	17	6670	A -4 4834
97		9.2A	28 52.522	-0.0035	12	-6 54 39.37	0.037	12	0.25	52.580	16	33.6	39.98	16	33.6	G0	16	6795	A -7 4977
98		8.6A	28 53.257	-0.0076	09	-0 56 28.33	-0.022	11	0.22	53.359	17	36.5	28.04	17	36.5	F8	21	4907	A -1 3761
99		8.2A	28 54.705	0.0001	11	-5 13 30.70	-0.047	11	0.23	54.703	16	33.6	29.93	16	33.6	F5	17	6671	A -5 4992
00		9.3A	28 59.079	0.0013	12	-8 5 26.87	0.025	12	0.25	59.057	16	33.6	27.28	16	33.6	K5 R	16	6796	A -8 5016

143500

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	EPOCH 1950 μ s	σ_μ .001"	EPOCH 1950 δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ .001"	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ .01"	ep.	δ_2 ″	σ' .01"	ep.	SP.	CAT.	STAR NUMBER	DM NUMBER
1		9.2A	19 29 0.898	0.0008	12	-7 5 33.96	0.005	12	0.25	0.884	16	33.6	34.04	16	33.6	F5 R	16	6797	A -7 4978
2		9.0A	29 5.849	0.0006	13	-2 54 50.36	-0.031	13	0.27	5.839	16	33.6	49.86	16	33.6	A8 F	17	6672	A -3 4618
3		9.1A	29 5.926	-0.0001	13	-2 24 34.61	-0.006	13	0.27	5.927	16	33.6	34.52	16	33.6	K0 F	17	6673	A -2 5025
4		8.7A	29 6.011	-0.0003	17	-9 57 14.49	0.019	17	0.32	6.015	18	33.6	14.80	16	33.6	G0 J	11	6841	A -10 5105
5		9.0A	29 6.149	0.0092	12	-6 30 35.77	-0.018	12	0.25	5.999	16	33.6	35.48	16	33.6	G5	16	6799	A -6 5172
6		8.9A	29 7.683	-0.0002	12	-9 23 45.67	-0.005	12	0.25	7.685	16	33.6	45.59	16	33.6	K2	16	6798	A -9 5165
7		8.7A	29 8.137	0.0009	09	-1 23 47.49	-0.006	11	0.22	8.125	17	36.5	47.41	17	36.5	A2	21	4908	A -1 3763
8		9.0A	29 13.540	-0.0026	13	-2 12 0.14	0.025	13	0.27	13.583	16	33.6	0.56	16	33.6	G8 F	17	6674	A -2 5026
9		9.0A	29 17.984	0.0001	12	-2 28 38.80	0.009	12	0.25	17.983	16	33.6	38.96	16	33.6	A8 F	17	6675	A -2 5027
10		8.9A	29 18.893	-0.0017	12	-9 35 27.89	-0.026	12	0.25	18.921	16	33.6	27.47	16	33.6	K0	16	6800	A -9 5167
11		9.0A	29 23.847	0.0024	09	-1 43 44.02	-0.004	11	0.22	23.814	17	36.5	43.97	17	36.5	F5 R	21	4910	A -1 3764
12		8.6A	29 28.222	0.0013	12	-9 4 29.63	0.004	12	0.25	28.200	16	33.6	29.70	16	33.6	K5	16	6801	A -9 5168
13		8.9A	29 33.970	-0.0006	11	-5 17 27.19	-0.044	11	0.23	33.980	16	33.6	26.47	16	33.6	F8	17	6677	A -5 4995
14		9.0A	29 37.719	-0.0002	13	-5 36 42.70	0.000	13	0.27	37.721	16	33.6	42.70	16	33.6	K2	17	6678	A -5 4996
15		8.7A	29 40.536	-0.0008	09	-1 32 35.50	-0.023	11	0.22	40.547	17	36.5	35.19	17	36.5	B8	21	4911	A -1 3766
16		8.7A	29 47.429	0.0015	12	-9 6 48.77	0.020	12	0.25	47.403	16	33.6	49.10	16	33.6	A0	16	6802	A -9 5169
17		9.1A	29 48.670	0.0005	09	-4 7 19.06	0.008	09	0.22	48.661	16	33.6	19.20	16	33.6	B8 F	17	6679	A -4 4837
18		9.0A	29 54.100	-0.0006	11	-4 59 3.52	-0.014	11	0.23	54.110	16	33.6	3.29	16	33.6	A0 F	17	6680	A -5 4999
19		9.0A	30 0.362	-0.0003	12	-7 25 48.31	-0.012	12	0.25	0.367	16	33.6	48.11	16	33.6	K5	16	6803	A -7 4979
20		9.6A	30 2.562	-0.0017	12	-6 55 44.15	-0.019	12	0.25	2.590	16	33.6	43.85	16	33.6	F5 R	16	6804	A -7 4981
21		9.0A	30 3.999	-0.0005	11	-5 56 7.73	-0.059	11	0.23	4.007	16	33.6	6.76	16	33.6	K0	17	6681	A -6 5177
22		9.0A	30 8.242	-0.0000	09	-0 47 32.09	-0.016	11	0.22	8.243	17	36.5	31.88	17	36.5	B8	21	4912	A -0 3770
23		8.7A	30 14.621	0.0005	12	-1 8 17.79	-0.001	12	0.25	14.612	16	33.6	17.77	16	33.6	K5	16	6806	A -1 5023
24		8.5A	30 24.003	0.0070	09	-1 6 46.75	-0.053	11	0.22	23.908	17	36.5	46.02	17	36.5	F8	21	4913	A -1 3768
25		8.5A	30 38.035	-0.0004	09	-0 56 30.50	-0.019	11	0.22	38.040	17	36.5	30.24	17	36.5	B9	21	4914	A -1 3769
26		9.0A	30 41.484	0.0033	12	-7 13 52.11	-0.003	12	0.25	41.430	16	33.6	52.06	16	33.6	F8	16	6807	A -7 4984
27		8.0A	30 44.543	0.0010	09	-4 50 6.17	-0.006	09	0.22	44.528	16	33.6	6.08	16	33.6	K5	17	6683	A -5 5003
28		9.0A	30 45.106	0.0030	12	-6 44 0.17	0.005	12	0.25	45.057	16	33.6	0.26	16	33.6	F5	16	6809	A -6 5179
29		9.5A	30 45.499	0.0003	12	-9 2 20.06	0.002	12	0.25	45.494	16	33.6	20.09	16	33.6	A2 R	16	6808	A -9 5172
30		8.5A	30 56.165	-0.0015	13	-1 59 16.11	-0.026	13	0.27	56.190	16	33.6	15.68	16	33.6	K0 F	17	6684	A -2 5036
31		8.5A	30 59.525	0.0000	11	-3 44 6.90	-0.034	11	0.23	59.525	16	33.6	6.35	16	33.6	F2 F	17	6686	A -3 4627
32		9.3G	30 59.810	0.0013	09	-4 17 15.66	0.001	05	0.41	59.746	18	02.0	15.75	17	89.2		GC	27013	-4 4841
33		9.0A	31 0.722	0.0001	13	-4 17 29.61	0.003	13	0.27	0.721	16	33.6	29.66	16	33.6	A0	17	6687	A -4 4842
34		8.4A	31 1.057	0.0000	09	-0 23 33.53	0.004	11	0.22	1.057	17	36.5	33.58	17	36.5	A5	21	4916	A -0 3774
35		9.1A	31 2.865	0.0000	09	-3 2 3.13	0.017	09	0.22	2.865	16	33.6	3.40	16	33.6	B8 F	17	6689	A -3 4628
36		7.6A	31 4.448	-0.0004	15	-4 51 4.20	0.000	15	0.29	4.455	16	33.6	4.20	16	33.6	K2	17	6688	A -5 5006
37		8.6A	31 18.423	-0.0027	11	-2 16 48.12	0.014	11	0.23	18.468	16	33.6	48.35	16	33.6	A0 F	17	6690	A -2 5038
38		9.0A	31 20.728	0.0000	12	-7 45 44.22	-0.009	12	0.25	20.728	16	33.6	44.07	16	33.6	K0	16	6810	A -7 4989
39		9.1A	31 28.738	-0.0010	09	-2 6 45.93	-0.011	09	0.22	28.756	16	33.6	45.75	16	33.6	K2 F	17	6691	A -2 5039
40		9.1A	31 29.022	-0.0004	12	-8 41 32.41	-0.012	12	0.25	29.029	16	33.6	32.21	16	33.6	G5	16	6811	A -8 5028
41		8.8A	31 32.006	0.0002	13	-2 4 42.93	0.002	13	0.27	32.003	16	33.6	42.96	16	33.6	A0 F	17	6692	A -2 5040
42		8.5A	31 35.616	0.0008	11	-3 23 57.83	-0.007	11	0.23	35.603	16	33.6	57.71	16	33.6	A4 F	17	6693	A -3 4630
43		9.0A	31 37.711	0.0004	12	-7 16 59.07	-0.009	11	0.24	37.704	16	33.6	58.93	16	33.6	F8	16	6812	A -7 4990
44		9.2A	31 46.343	0.0010	12	-8 35 50.45	-0.003	12	0.25	46.327	16	33.6	50.40	16	33.6	F5	16	6813	A -8 5031
45		8.4A	31 49.107	0.0002	11	-6 53 46.42	0.010	11	0.23	49.103	16	33.6	46.59	16	33.6	K0	16	6814	A -7 4991
46		8.5A	31 51.234	0.0026	09	-4 33 34.29	0.000	09	0.22	51.192	16	33.6	34.29	16	33.6	A3	17	6694	A -4 4843
47		8.9A	31 52.800	0.0016	09	-0 28 2.46	-0.001	11	0.22	52.779	17	36.5	2.45	17	36.5	F5	21	4918	A -0 3779
48		9.0A	31 54.997	-0.0014	09	-1 35 12.01	-0.011	11	0.22	55.016	17	36.5	11.86	17	36.5	A2	21	4919K	A -1 3774
49		9.1A	31 57.791	0.0007	12	-7 41 42.04	-0.021	12	0.25	57.780	16	33.6	41.69	16	33.6	F8	16	6815	A -7 4993
50		9.4A	32 8.495	0.0011	12	-6 39 8.55	-0.005	12	0.25	8.477	16	33.6	8.47	16	33.6	G0 R	16	6816	A -6 5186
51		9.2A	19 32 11.812	-0.0001	12	-7 42 57.15	-0.019	12	0.25	11.814	16	33.6	56.85	16	33.6	MC R	16	6817	A -7 4994
52		9.2A	32 12.554	0.0014	12	-7 16 16.98	0.000	12	0.25	12.532	16	33.6	16.98	16	33.6	B9	16	6818	A -7 4995
53		9.4A	32 15.003	0.0035	12	-6 46 18.48	0.014	12	0.25	14.947	16	33.6	18.72	16	33.6	A5	16	6819	A -6 5189
54		9.2A	32 20.547	0.0004	09	-2 49 47.61	0.002	09	0.22	20.541	16	33.6	47.64	16	33.6	B8 F	17	6695	A -3 4635
55		9.1A	32 22.304	0.0015	12	-7 37 20.65	-0.013	12	0.25	22.281	16	33.6	20.44	16	33.6	K2	16	6820	A -7 4996
56		9.4A	32 28.938	0.0002	12	-8 9 32.09	-0.014	12	0.25	28.935	16	33.6	31.86	16	33.6	K0 R	16	6821	A -8 5035
57		8.5A	32 29.035	0.0000	09	-2 18 24.15	0.008	09	0.22	29.035	16	33.6	24.28	16	33.6	K0 F	17	6696	A -2 5048
58		7.8A	32 34.039	-0.0007	13	-4 25 13.39	0.000	13	0.27	34.050	16	33.6	13.40	16	33.6	A0	17	6697	A -4 4846
59		8.9A	32 35.866	0.0026	13	-2 21 37.09	-0.007	13	0.27	35.823	16	33.6	36.97	16	33.6	G8 F	17	6698	A -2 5049
60		9.3A	32 36.559	0.0021	12	-8 12 42.14	-0.006	12	0.25	36.525	16	33.6	42.05	16	33.6	A0	16	6822	A -8 5036
61		9.2A	32 39.874	-0.0006	12	-7 54 27.12	-0.027	12	0.25	39.884	16	33.6	26.68	16	33.6	K2	16	6823	A -8 5037
62		9.3A	32 42.386	0.0004	12	-5 58 29.18	0.005	12	0.25	42.379	16	33.6	29.27	16	33.6	A0	16	6824	A -6 5192
63		9.0A	32 44.335	-0.0000	09	-1 35 53.02	-0.022	11	0.22	44.336	17	36.5	52.71	17	36.5	A0	21	4921	A -1 3776
64		6.4T	32 47.868	0.0018	07	-7 34 15.46	-0.039	06	0.43	47.773	14	96.3	13.39	14	96.5	K0	GC	27060	-7 4998
65		8.2A	32 53.879	0.0013	12	-7 25 39.00	-0.008	12	0.25	53.859	16	33.6	38.88	16	33.6	G5	16	6827	A -7 5000
66		8.1A	32 55.908	0.0005	12	-9 23 4.32	0.015	12	0.25	55.899	16	33.6	4.56	16	33.6	F5	16	6826	A -9 5179
67		9.1A	32 59.990	0.0023	12	-6 15 26.76	0.018	12	0.25	59.952	16	33.6	27.06	16	33.6	G5	16	6828	A -6 5195
68		9.2A	33 2.222	0.0011	11	-6 53 25.53	-0.003	11	0.23	2.204	16	33.6	25.49	16	33.6	A5	16	6829	A -7 5001
69		9.0A	33 3.933	-0.0006	09	-1 46 54.94	-0.040	11	0.22	3.941	17	36.5	54.39	17	36.5	A2 R	21	4922	A -1 3777
70		9.0A	33 8.613	-0.0008	12	-3 43 31.32	0.001	12	0.25	8.626	16	33.6	31.35	16	33.6	A5 F	17	6700	A -3 4641
71		9.0A	33 8.873	-0.0008	13	-2 33 5.17	0.002	13	0.27	8.886	16	33.6	5.20	16	33.6	A1 F	17	6702	A -2 5052
72		9.0A	33 9.015	0.0029	13	-3 39 33.79	-0.011	13	0.27	8.968	16	33.6	33.61	16	33.6	G5 F	17	6701	A -3 4640
73		9.1G	33 11.090	-0.0050	10	-0 20 51.36	-0.334	09	0.49	11.339	14	99.8	33.42	12	96.3	G0	GC	27076	-0 3786
74		8.8A	33 13.846	-0.0009	11	-5 40 17.63	0.000	11	0.23	13.862	16	33.6	17.64	16	33.6	K0	17	6703	A -5 5016
75		6.9T	33 14.553	-0.0047	08	-2 33 59.82	-0.052	06	0.44	14.820	15	92.7	56.76	14	91.7	F5	GC	27079	-2 5054
76		9.0A	33 15.134	-0.0006	12	-4 51 49.53	-0.003	12	0.25	15.144	16	33.6	49.48	16	33.6	K2 F	17	6704	A -5 5017
77		9.0A	33 15.963	0.0007	13	-4 38 41.63	0.008	13	0.27	15.952	16	33.6	41.77	16	33.6	G2 F	17	6705	A -4 4850
78		8.5A	33 16.276	0.0015	13	-3 10 7.86	-0.012	13	0.27	16.252	16	33.6	7.66	16	33.6	G5	17	6708K	A -3 4642
79		9.0A	33 17.565	0.0007	12	-5 37 6.12	0.013	12	0.25	17.554	16	33.6	6.34	16	33.6	B9	17	6706	A -5 5018
80		9.2A	33 19.732	0.0014	09	-1 43 3.72	-0.018	11	0.22	19.714	17	36.5	3.48	17	36.5	A5 R	21	4924	A -1 3779
81		8.6A	33 21.103	-0.0001	12	-9 11 43.80	0.002	12	0.25	21.105	16	33.6	43.83	16	33.6	F5	16	6831	A -9 5183
82		7.9Q	33 26.960	-0.0010	06	-0 0 54.94	-0.381	05	0.29	27.007	10	00.9	36.61	10	01.9	G5	GC	27082K	-0 3788
83		8.5A	33 33.541	0.0029	13	-4 30 7.64	-0.051	13	0.27	33.494	16	33.6	6.81	16	33.6	K2 F	17	6710	A -4 4852
84		8.9A	33 35.675	0.0002	12	-8 18 28.13	0.001	12	0.25	35.672	16	33.6	28.16	16	33.6	K0	16	6832	A -8 5043
85		8.3Q	33 35.717	0.0003	10	-2 55 6.97	-0.010	07	0.45	35.701	17	02.8	6.42	17	97.5	B8	GC	27087	-3 4645
86		8.9A	33 36.045	-0.0006	13	-2 41 44.58	-0.020	13	0.27	36.054	16	33.6	44.25	16	33.6	K2 F	17	6713	A -2 5056
87		9.0A	33 36.223	0.0001	12	-5 35 44.08	0.006	12	0.25	36.221	16	33.6	44.18	16	33.6	A2	17	6711	A -5 5019
88		9.2A	33 38.623	0.0011	12	-6 8 4.04	0.015	12	0.25	38.605	16	33.6	4.30	16	33.6	F0 R	16	6834	A -6 5200
89		8.3A	33 39.132	0.0005	12	-9 25 55.21	0.013	12	0.25	39.123	16	33.6	55.42	16	33.6	K5	16	6833	A -9 5184
90		8.3A	33 40.905	-0.0001	13	-4 55 22.55	-0.003	13	0.27	40.907	16	33.6	22.50	16	33.6	F2	17	6714	A -5 5020
91		8.3A	33 44.144	0.0003	13	-2 25 56.01	-0.001	13	0.27	44.140	16	33.6	55.99	16	33.6	B9	17	6715	A -2 5057
92		8.5A	33 45.589	0.0008	12	-6 4 55.45	-0.002	12	0.25	45.575	16	33.6	55.42	16	33.6	A0	16	6835	A -6 5201
93		7.8A	33 55.087	-0.0004	13	-4 53 3.42	-0.007	13	0.27	55.095	16	33.6	3.31	16	33.6	A2	17	6716	A -5 5021
94		8.8A	34 1.511	-0.0003	12	-4 39 53.70	0.020	12	0.25	1.517	16	33.6	54.03	16	33.6	F0 F	17	6718	A -4 4853
95		8.0A	34 1.984	-0.0010	11	-5 42 32.34	-0.011	11	0.23	2.001	16	33.6	32.17	16	33.6	A2	17	6717	A -5 5022
96		7.5A	34 6.755	0.0002	13	-4 24 44.17	-0.007	13	0.27	6.752	16	33.6	44.06	16	33.6	K5	17	6719	A -4 4855
97		4.3T	34 8.067	0.0001	03	-1 23 55.88	-0.016	03	0.18	8.060	09	97.7	55.02	09	97.2	B5	GC	27103K	B* -1 3782
98		9.2A	34 11.141	0.0021	13	-2 47 12.08	0.068	13	0.27	11.107	16	33.6	13.21	16	33.6	G2 F	17	6720	A -2 5059
99		9.4A	34 12.001	0.0002	14	-1 44 39.69	-0.016	20	0.29	11.999	17	36.5	39.47	17	36.5	M R	21	4929	A* -1 3784
00		5.0M	34 12.072	0.0000	01	-7 8 24.73	-0.004	01	0.04	12.071	02	17.6	24.58	02	13.6	B0	F4	737	-7 5006

SOURCE

- 0°
19H

143600

EPOCH 1950 — ORIGINAL EPOCH — SOURCE — − 0° 19H

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	σ'_μ ″.001	σ_{1950} ″	α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.		SOURCE CAT.	STAR NUMBER	DM NUMBER
1		8.9A	19 34 16.105	-0.0002	09	-0 31 33.57	-0.019	11	0.22	16.108	17	36.5	33.30	17	36.5	KO	R	21	4930	A -0 3795
2		8.4A	34 29.934	0.0007	12	-8 10 10.78	0.000	12	0.25	29.923	16	33.6	10.79	16	33.6	K2		16	6838	A -8 5050
3		8.5A	34 31.359	-0.0008	13	-4 40 12.56	-0.019	13	0.27	31.372	16	33.6	12.25	16	33.6	K2	F	17	6722	A -4 4858
4		8.0A	34 34.402	0.0011	13	-3 35 16.20	0.024	13	0.27	34.384	16	33.6	16.60	16	33.6	A3		17	6723	A -3 4649
5		7.5A	34 38.119	-0.0014	12	-5 15 17.43	0.005	12	0.25	38.142	16	33.6	17.51	16	33.6	A5		17	6724	A -5 5023
6		9.0A	34 41.049	0.0010	13	-3 25 6.52	0.010	13	0.27	41.034	16	33.6	6.67	16	33.6	KO	F	17	6725	A -3 4650
7		9.0A	34 41.686	0.0010	12	-3 23 31.95	0.007	12	0.25	41.669	16	33.6	32.06	16	33.6	G8	F	17	6726	A -3 4651
8		7.7Q	34 43.068	0.0010	10	-0 36 19.75	-0.002	09	0.49	43.018	14	00.7	19.64	15	99.6	B9		GC	27125	-0 3799
9		7.8A	34 51.343	0.0025	12	-9 50 40.26	0.016	12	0.25	51.302	16	33.6	40.52	16	33.6	A2		16	6839	A -10 5135
10		9.1A	34 53.393	-0.0002	09	-1 45 43.65	-0.035	11	0.22	53.396	17	36.5	43.17	17	36.5	A0		21	4935	A -1 3789
11		8.7A	34 59.009	0.0004	09	-1 8 51.55	-0.013	11	0.22	59.004	17	36.5	51.37	17	36.5	B9		21	4936	A -1 3790
12		7.4T	34 59.507	0.0009	07	-0 14 34.26	0.035	07	0.31	59.469	12	08.5	35.70	14	08.8	A5		GC	27136	-0 3801
13		8.5A	34 59.829	-0.0002	12	-2 48 44.78	0.010	12	0.25	59.832	16	33.6	44.94	16	33.6	A0		17	6729	A -3 4656
14		9.5A	34 59.959	0.0009	12	-7 10 34.21	0.003	12	0.25	59.944	16	33.6	34.26	16	33.6	K2	R	16	6840	A -7 5011
15		8.3A	35 0.439	0.0003	12	-4 1 52.65	-0.019	12	0.25	0.434	16	33.6	52.34	16	33.6	K2		17	6728	A -4 4860
16		9.3A	35 3.194	-0.0013	12	-6 6 12.40	-0.118	12	0.25	3.173	16	33.6	10.47	16	33.6	G5		16	6841	A -6 5210
17		9.0A	35 4.334	-0.0023	13	-5 53 53.36	0.004	13	0.27	4.372	16	33.6	53.43	16	33.6	K5	R	17	6730	A -6 5211
18		7.3A	35 4.404	0.0009	13	-5 10 31.04	-0.013	13	0.27	4.390	16	33.6	30.82	16	33.6	F0		17	6731	A -5 5026
19		9.3A	35 4.637	0.0010	09	-0 42 48.71	-0.022	11	0.22	4.623	17	36.5	48.40	17	36.5	A5	R	21	4938	A -0 3802
20		9.0A	35 7.774	0.0003	13	-5 12 2.61	0.001	13	0.27	7.768	16	33.6	2.62	16	33.6	A0	R	17	6732	A -5 5027
21		5.5T	35 8.149	0.0069	03	-4 45 38.28	-0.050	03	0.20	7.760	09	93.9	35.57	09	95.4	F2		GC	27143	B* -4 4861
22		8.9A	35 8.466	-0.0002	09	-0 52 23.00	-0.022	11	0.22	8.468	17	36.5	22.69	17	36.5	G5		21	4939	A -1 3791
23		8.3A	35 10.192	0.0013	12	-6 15 26.94	-0.017	12	0.25	10.171	16	33.6	26.67	16	33.6	K0		16	6844	A -6 5213
24		9.2A	35 10.238	0.0003	12	-6 39 31.78	0.010	12	0.25	10.233	16	33.6	31.94	16	33.6	K0		16	6843	A -6 5212
25		8.9A	35 14.177	-0.0000	13	-2 33 4.52	0.024	13	0.27	14.177	16	33.6	4.91	16	33.6	A0		17	6735	A -2 5066
26		9.0A	35 16.302	-0.0010	12	-9 20 31.09	0.008	12	0.25	16.319	16	33.6	31.22	16	33.6	MA	R	16	6845	A -9 5190
27		8.8A	35 16.988	0.0048	12	-5 41 39.00	-0.041	12	0.25	16.909	16	33.6	38.34	16	33.6	G0		17	6734K	A -5 5029
28		9.2A	35 22.116	-0.0001	12	-7 15 7.59	-0.017	12	0.25	22.118	16	33.6	7.31	16	33.6	K0	R	16	6847	A -7 5013
29		8.6A	35 25.171	0.0007	13	-4 43 21.34	0.009	13	0.27	25.160	16	33.6	21.49	16	33.6	A5	F	17	6736	A -4 4865
30		9.5A	35 26.172	0.0000	12	-2 55 32.29	0.021	12	0.25	26.172	16	33.6	32.63	16	33.6	K2	F	17	6738	A -3 4657
31		9.0A	35 27.004	0.0001	13	-5 12 44.86	-0.012	13	0.27	27.002	16	33.6	44.66	16	33.6	F0	R	17	6737	A -5 5030
32		8.7A	35 29.929	0.0004	12	-9 47 29.74	-0.031	12	0.25	29.922	16	33.6	29.23	16	33.6	G0		16	6848	A -10 5138
33		9.0A	35 32.420	0.0015	12	-2 39 17.74	0.027	12	0.25	32.396	16	33.6	18.18	16	33.6	A2		17	6740	A -2 5068
34		9.0A	35 32.686	-0.0005	09	-4 30 58.95	-0.004	09	0.22	32.695	16	33.6	58.89	16	33.6	M1	F	17	6739	A -4 4866
35		9.1A	35 34.205	-0.0001	12	-9 14 53.07	0.014	12	0.25	34.207	16	33.6	53.30	16	33.6	A0		16	6849	A -9 5192
36		9.0A	35 34.849	-0.0016	17	-3 19 41.62	-0.028	17	0.31	34.875	16	33.6	41.16	16	33.6	A0	F	17	6741	A -3 4658
37		7.5Q	35 36.609	-0.0010	09	-0 36 12.96	-0.013	08	0.48	38.660	14	98.3	12.27	14	98.4	A2		GC	27156	-0 3804
38		8.7A	35 41.194	0.0007	12	-8 25 39.91	0.002	12	0.25	41.183	16	33.6	39.95	16	33.6	K0		16	6850	A -8 5055
39		8.6A	35 49.224	0.0004	09	-1 2 15.06	-0.017	11	0.22	49.219	17	36.5	14.82	17	36.5	B9		21	4942	A -1 3795
40		9.2A	36 0.964	-0.0010	09	-1 22 39.94	-0.008	11	0.22	0.978	17	36.5	39.83	17	36.5	A0		21	4944	A -1 3797
41		8.6A	36 1.986	-0.0011	09	-0 46 31.97	-0.022	11	0.22	2.001	17	36.5	31.67	17	36.5	K5		21	4945	A -0 3806
42		8.7A	36 10.480	-0.0001	09	-3 40 14.86	-0.005	09	0.22	10.481	16	33.6	14.78	16	33.6	A0		17	6742K	A -3 4665
43		9.0A	36 15.063	0.0001	12	-9 36 55.44	0.004	12	0.25	15.062	16	33.6	55.51	16	33.6	A0		16	6851	A -9 5195
44		9.0A	36 15.528	-0.0007	11	-5 50 57.31	-0.014	11	0.23	15.540	16	33.6	57.09	16	33.6	K5		17	6743	A -6 5217
45		8.8A	36 16.258	0.0011	12	-7 30 43.61	0.012	12	0.25	16.241	16	33.6	43.81	16	33.6	K0		16	6852	A -7 5018
46		8.5A	36 17.735	0.0008	09	-4 28 51.17	-0.024	09	0.22	17.722	16	33.6	50.78	16	33.6	G8	F	17	6744	A -4 4870
47		9.3A	36 18.223	-0.0008	11	-2 41 56.95	0.005	11	0.23	18.235	16	33.6	57.03	16	33.6	A5	F	17	6746	A -2 5071
48		8.9A	36 21.097	0.0031	13	-5 32 12.30	-0.054	13	0.27	21.047	16	33.6	11.42	16	33.6	F8		17	6745	A -5 5031
49		9.3A	36 21.604	0.0008	12	-8 56 57.41	0.017	12	0.25	21.591	16	33.6	57.69	16	33.6	A3		16	6854	A -9 5196
50		8.7A	36 21.913	0.0009	12	-8 33 30.05	-0.019	12	0.25	21.898	16	33.6	29.74	16	33.6	A0		16	6855	A -8 5057
51		8.5A	19 36 35.814	-0.0009	11	-3 17 16.62	-0.006	11	0.23	35.828	16	33.6	16.51	16	33.6	F0		17	6747	A -3 4670
52		8.8A	36 43.443	-0.0016	12	-7 20 11.12	-0.008	12	0.25	43.470	16	33.6	10.98	16	33.6	K2		16	6856	A -7 5022
53		9.1A	36 46.624	-0.0007	09	-1 24 30.26	-0.010	11	0.22	46.633	17	36.5	30.12	17	36.5	G0		21	4947	A -1 3799
54		8.2Q	36 47.869	0.0004	10	-1 35 1.06	-0.007	08	0.46	47.850	17	04.7	0.71	17	02.5	B9		GC	27188	-1 3800
55		8.8A	36 53.375	0.0015	12	-7 0 41.03	-0.014	12	0.25	53.352	16	33.6	40.80	16	33.6	B9		16	6857	A -7 5023
56		9.4A	36 56.510	-0.0001	12	-2 58 49.79	-0.033	12	0.25	56.511	16	33.6	49.25	16	33.6	G0	F	17	6748	A -3 4672
57		8.3A	36 58.419	0.0010	12	-6 10 44.86	-0.020	12	0.25	58.402	16	33.6	44.53	16	33.6	G5		16	6858	A -6 5221
58		7.6A	36 59.164	0.0018	12	-6 49 26.31	-0.039	12	0.25	59.135	16	33.6	25.68	16	33.6	A2		16	6859	A -7 5024
59		9.3A	37 0.396	0.0010	11	-3 12 14.58	0.012	11	0.23	0.379	16	33.6	14.77	16	33.6	G2	F	17	6749	A -3 4673
60		9.2A	37 10.814	-0.0002	09	-1 38 40.08	0.015	09	0.22	10.817	16	33.6	40.32	16	33.6	G8	F	17	6750	A -1 3802
61		8.4A	37 14.744	-0.0000	12	-6 16 4.62	-0.022	12	0.25	14.745	16	33.6	4.27	16	33.6	G0		16	6860	A -6 5222
62		8.7A	37 20.301	0.0008	09	-3 13 23.96	0.011	09	0.22	20.289	16	33.6	24.14	16	33.6	A5		17	6751	A -3 4674
63		8.9A	37 22.556	0.0008	12	-6 13 10.55	0.014	12	0.25	22.542	16	33.6	10.78	16	33.6	A0		16	6862	A -6 5223
64		7.6T	37 22.839	0.0054	10	-8 5 35.87	-0.187	08	0.45	22.592	15	04.2	27.00	15	02.5	G0		GC	27202	-8 5062
65		8.5A	37 29.064	0.0010	09	-0 25 57.11	-0.004	11	0.22	29.050	17	36.5	57.06	17	36.5	A2		21	4949	A -0 3810
66		9.0A	37 31.365	-0.0016	12	-4 14 3.37	-0.036	12	0.25	31.391	16	33.6	2.78	16	33.6	G8	F	17	6752	A -4 4873
67		8.6A	37 36.187	0.0008	12	-5 58 8.79	-0.015	12	0.25	36.174	16	33.6	8.55	16	33.6	F8		16	6863	A -6 5226
68		8.5A	37 38.726	0.0010	13	-2 46 32.95	-0.015	13	0.27	38.709	16	33.6	32.70	16	33.6	K2		17	6754	A -2 5075
69		6.8T	37 41.643	0.0003	08	-5 33 50.47	-0.010	08	0.44	41.629	10	94.9	49.93	09	94.0	K2		GC	27209	-5 5036
70		8.8A	37 46.516	0.0009	12	-7 43 49.93	0.020	12	0.25	46.502	16	33.6	50.27	16	33.6	MA		16	6864	A -7 5026
71		9.3A	37 48.414	-0.0001	09	-3 28 33.73	-0.005	09	0.22	48.416	16	33.6	33.66	16	33.6	K0	R	17	6755	A -3 4677
72		8.6A	37 52.743	0.0005	12	-8 14 7.06	-0.032	12	0.25	52.734	16	33.6	6.54	16	33.6	K0		16	6865	A -8 5064
73		8.6A	37 53.521	0.0032	09	-0 21 5.53	-0.011	11	0.22	53.477	17	36.5	5.38	17	36.5	F5		21	4950	A -0 3811
74		6.9T	38 3.150	0.0067	12	-7 37 43.55	-0.074	12	0.65	2.800	17	97.7	39.68	17	97.5	G0		GC	27219	-7 5028
75		8.3A	38 4.950	0.0007	11	-9 14 53.92	0.018	11	0.23	4.939	16	33.6	54.21	16	33.6	F2		16	6868	A -9 5203
76		9.0A	38 5.987	0.0005	12	-8 23 22.75	0.022	12	0.25	5.980	16	33.6	23.12	16	33.6	K0		16	6869	A -8 5066
77		7.5A	38 6.506	0.0011	09	-4 9 1.60	0.003	09	0.22	6.488	16	33.6	1.65	16	33.6	A0		17	6756	A -4 4877
78		5.5T	38 6.772	0.0010	03	-0 44 18.60	0.017	03	0.19	8.717	10	96.0	19.44	09	99.5	A0		GC	27222K	B* -0 3813
79		8.9A	38 9.014	-0.0041	12	-7 45 0.40	-0.074	12	0.25	9.082	16	33.6	-59.19	16	33.6	G5		16	6871	A -7 5029
80		9.2A	38 9.228	0.0022	12	-8 21 39.94	-0.014	12	0.25	9.192	16	33.6	39.71	16	33.6	K0	R	16	6870	A -8 5067
81		9.0A	38 10.080	-0.0002	12	-7 32 49.22	0.022	12	0.25	10.083	16	33.6	49.59	16	33.6	G0		16	6872	A -7 5030
82		9.2A	38 13.985	-0.0013	09	-1 13 26.69	-0.030	11	0.22	14.003	17	36.5	26.29	17	36.5	A0		21	4952	A -1 3805
83		9.0A	38 16.703	0.0050	12	-7 58 40.15	0.001	12	0.25	16.621	16	33.6	40.18	16	33.6	G5		16	6873	A -8 5068
84		9.3A	38 18.257	0.0025	09	-2 2 34.83	-0.016	09	0.22	18.216	16	33.6	34.57	16	33.6			17	6758	A -2 5078
85		8.0A	38 18.741	0.0122	13	-1 59 12.17	-0.018	13	0.27	18.542	16	33.6	11.87	16	33.6	F8		17	6757	A -2 5079
86		8.4A	38 22.814	-0.0007	12	-9 32 19.11	0.009	12	0.25	22.826	16	33.6	19.26	16	33.6	K0		16	6874	A -9 5204
87		9.3A	38 23.223	-0.0001	12	-8 38 41.69	0.000	12	0.25	23.224	16	33.6	41.69	16	33.6	F2	R	16	6875	A -8 5069
88		8.5A	38 23.677	0.0006	09	-2 59 55.52	0.007	09	0.22	23.667	16	33.6	55.65	16	33.6	B8		17	6760	A -3 4680
89		9.3A	38 26.162	0.0009	09	-5 26 42.68	-0.032	09	0.22	26.147	16	33.6	42.15	16	33.6	F5	R	17	6759	A -5 5040
90		8.0A	38 29.562	-0.0012	13	-4 2 11.52	-0.015	13	0.27	29.583	16	33.6	11.28	16	33.6	MB		17	6761	A -4 4880
91		8.9A	38 30.769	0.0002	13	-2 25 37.82	-0.011	13	0.27	30.767	16	33.6	37.63	16	33.6	A0		17	6762	A -2 5080
92		9.0A	38 31.403	-0.0012	09	-0 21 3.95	-0.008	11	0.22	31.419	17	36.5	3.84	17	36.5	G0		21	4954	A -0 3814
93		9.3A	38 33.542	-0.0014	12	-7 9 52.33	-0.032	12	0.25	33.565	16	33.6	51.81	16	33.6	K5	R	16	6876	A -7 5032
94		8.9A	38 34.625	-0.0002	12	-6 19 35.72	-0.003	12	0.25	34.628	16	33.6	35.67	16	33.6	K5		16	6877	A -6 5230
95		8.0A	38 35.700	0.0003	13	-2 25 51.19	0.009	13	0.27	35.696	16	33.6	51.33	16	33.6	B5		17	6763	A -2 5081
96		9.2A	38 40.643	-0.0003	13	-5 50 43.33	-0.005	13	0.27	40.649	16	33.6	43.25	16	33.6	M0	R	17	6764	A -6 5233
97		9.4A	38 43.181	0.0007	12	-2 38 19.90	-0.001	12	0.25	43.170	16	33.6	19.88	16	33.6	+++		17	6765	A -2 5082
98		8.8A	38 45.493	-0.0006	13	-3 58 0.75	-0.013	09	0.25	45.503	16	33.6	0.54	16	33.6	A0		17	6766	A -4 4882
99		8.6A	38 54.368	-0.0007	12	-8 44 47.80	-0.008	12	0.25	54.379	16	33.6	47.67	16	33.6	K0		16	6879	A -8 5073
00		9.1A	38 58.018	-0.0006	09	-2 31 1.16	-0.017	09	0.22	58.029	16	33.6	0.88	16	33.6	K5		17	6767	A -2 5085

143700

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.		SOURCE CAT.	STAR NUMBER	DM NUMBER
1		9.2A	19 38 58.477	-0.0016	14	-0 33 45.35	-0.010	20	0.29	58.498	17	36.5	45.22	17	36.5	K5	R	21	4955	A* -0 3817
2		9.1A	39 7.183	0.0004	12	-6 56 51.42	-0.007	12	0.25	7.176	16	33.6	51.54	16	33.6	K5	R	16	6880	A -7 5036
3		7.7A	39 9.247	0.0007	09	-4 24 25.58	-0.009	09	0.22	9.235	16	33.6	25.43	16	33.6	B9		17	6768	A -4 4883
4		9.0A	39 12.660	0.0006	13	-4 24 54.35	-0.015	13	0.27	12.650	16	33.6	54.11	16	33.6	B8	F	17	6769	A -4 4885
5		6.6T	39 19.186	0.0032	10	-9 18 38.25	-0.066	10	0.60	18.999	19	91.2	34.31	18	90.2	K2		GC	27250	-9 5209
6		9.1A	39 21.076	0.0014	12	-8 40 41.71	-0.017	12	0.25	21.054	16	33.6	41.43	16	33.6	G0	R	16	6882	A -8 5074
7		9.3A	39 28.135	0.0002	11	-3 11 28.22	0.036	11	0.23	28.133	16	33.6	28.01	16	33.6	K5	F	17	6770	A -3 4684
8		9.0A	39 30.723	0.0008	13	-4 11 18.14	0.002	13	0.27	30.709	16	33.6	18.18	16	33.6	F8		17	6771	A -4 4889
9		9.2A	39 31.306	-0.0010	15	-3 11 43.77	0.007	15	0.29	31.322	16	33.6	43.88	16	33.6	A2		17	6772	A -3 4685
10		9.0A	39 33.437	-0.0006	09	-0 34 36.96	0.006	11	0.22	33.446	17	36.5	37.04	17	36.5	A0		21	4958	A -0 3819
11		9.1A	39 33.799	0.0001	12	-9 46 47.98	-0.015	12	0.25	33.797	16	33.6	47.73	16	33.6	F8		16	6883	A -10 5157
12		8.6A	39 35.882	0.0001	12	-9 27 6.03	0.028	12	0.25	35.880	16	33.6	6.49	16	33.6	F5		16	6884	A -9 5213
13		8.2A	39 37.791	-0.0012	11	-6 11 49.20	-0.023	11	0.23	37.812	16	33.6	48.82	16	33.6	F8		16	6885	A -6 5237
14		8.9A	39 48.257	0.0017	12	-7 51 22.43	-0.025	12	0.25	48.240	16	33.6	22.02	16	33.6	K0		16	6886	A -8 5075
15		9.2A	39 54.245	0.0010	11	-3 58 35.66	0.005	11	0.23	54.230	16	33.6	35.75	16	33.6	F5	F	17	6774	A -4 4890
16		9.2A	39 54.598	-0.0035	09	-5 45 51.38	-0.058	09	0.22	54.655	16	33.6	50.44	16	33.6	F8		17	6773	A -5 5043
17		8.8A	39 59.607	0.0005	09	-2 42 12.25	0.021	09	0.22	59.599	16	33.6	12.59	16	33.6	K5		17	6775	A -2 5090
18		8.4A	40 0.921	0.0006	12	-9 19 47.24	0.004	12	0.25	0.911	16	33.6	47.31	16	33.6	K5		16	6888	A -9 5216
19		8.3A	40 5.555	0.0000	12	-6 35 34.48	-0.004	12	0.25	5.554	16	33.6	34.41	16	33.6	K2		16	6890	A -6 5241
20		9.0A	40 16.258	0.0006	09	-4 8 14.57	0.048	09	0.22	16.248	16	33.6	15.36	16	33.6	G5	F	17	6776	A -4 4893
21		9.2A	40 16.763	0.0005	12	-8 38 23.22	0.004	12	0.25	16.754	16	33.6	23.28	16	33.6	K0		16	6891	A -8 5077
22		7.0T	40 20.507	0.0014	06	-8 25 33.90	-0.047	06	0.37	20.429	17	93.4	31.21	15	92.4	F5		GC	27279	-8 5078
23		9.2A	40 22.049	0.0027	11	-7 5 38.31	0.001	11	0.23	22.005	16	33.6	38.34	16	33.6	A0		16	6893	A -7 5042
24		7.7A	40 24.187	0.0021	12	-8 26 54.63	-0.059	12	0.25	24.153	16	33.6	53.67	16	33.6	F8		16	6894	A -8 5079
25		8.8A	40 25.254	0.0031	12	-7 51 10.44	0.001	12	0.25	25.204	16	33.6	10.46	16	33.6	G0		16	6895	A -8 5080
26		8.5A	40 33.837	0.0009	12	-6 14 20.81	0.010	12	0.25	33.822	16	33.6	20.98	16	33.6	K0		16	6896	A -6 5242
27		8.3A	40 36.738	0.0009	12	-8 17 3.60	0.002	12	0.25	36.724	16	33.6	3.64	16	33.6	K0		16	6897	A -8 5081
28		9.0A	40 37.839	0.0022	11	-5 21 18.80	0.005	11	0.23	37.803	16	33.6	18.87	16	33.6	F8	R	17	6777	A -5 5047
29		9.3A	40 48.532	-0.0011	13	-5 51 18.40	0.004	13	0.27	48.550	16	33.6	18.47	16	33.6	K2	R	17	6778	A -6 5243
30		8.0A	40 54.363	0.0005	12	-8 37 31.96	-0.003	12	0.25	54.354	16	33.6	31.91	16	33.6	A5		16	6900	A -8 5082
31		8.7A	41 0.472	-0.0000	09	-2 33 58.52	0.007	09	0.22	0.473	16	33.6	58.65	16	33.6	G5		17	6779	A -2 5093
32		9.1A	41 1.378	0.0013	13	-9 54 22.95	0.031	15	0.29	1.367	18	33.6	23.46	16	33.6	A0	J	11	6921	A -10 5166
33		9.5A	41 6.073	0.0006	12	-9 52 7.73	-0.041	12	0.25	6.063	16	33.6	7.06	16	33.6	G0		16	6902	A -10 5167
34		8.6A	41 8.575	0.0002	09	-0 6 23.78	-0.003	11	0.22	8.572	17	36.5	23.74	17	36.5	A0		21	4962	A -0 3830
35		8.7A	41 9.224	0.0004	12	-9 31 7.35	0.026	12	0.25	9.217	16	33.6	7.76	16	33.6	K5		16	6903	A -9 5223
36		8.5A	41 10.164	0.0017	11	-2 4 46.24	0.006	11	0.23	10.137	16	33.6	46.33	16	33.6	K0		17	6781	A -2 5094
37		8.8A	41 11.771	-0.0059	13	-4 32 3.92	-0.042	09	0.25	11.869	16	33.6	3.23	16	33.6	G0	F	17	6780	A -4 4896
38		9.5A	41 20.672	-0.0004	12	-8 48 51.31	-0.002	11	0.24	20.679	16	33.6	51.28	16	33.6	F5	R	16	6904	A -9 5225
39		9.5A	41 21.246	0.0014	12	-6 44 9.01	-0.044	12	0.25	21.224	16	33.6	8.29	16	33.6	K0	R	16	6905	A -6 5246
40		8.9A	41 29.086	0.0004	09	-2 7 36.73	-0.005	09	0.22	29.019	16	33.6	36.64	16	33.6	B9		17	6782	A -2 5095
41		9.1A	41 30.582	-0.0000	12	-7 43 43.62	-0.012	12	0.25	30.583	16	33.6	43.42	16	33.6	A2		16	6906	A -7 5047
42		8.8A	41 34.113	0.0055	11	-8 28 49.13	0.004	12	0.25	34.084	16	33.6	49.20	16	33.6	F8		16	6907	A -8 5085
43		9.0A	41 39.938	0.0009	11	-4 54 40.35	-0.018	11	0.23	39.930	16	33.6	40.06	16	33.6	A2		17	6783	A -5 5049
44		9.0A	41 41.088	-0.0015	11	-4 22 0.64	0.005	11	0.23	41.113	16	33.6	0.73	16	33.6	K0		17	6784	A -4 4898
45		8.9A	41 44.822	-0.0001	12	-7 23 27.10	-0.017	11	0.24	44.824	16	33.6	26.82	16	33.6	F5		16	6908	A -7 5050
46		9.0A	41 50.496	0.0015	12	-7 12 42.63	0.000	12	0.25	50.471	16	33.6	42.64	16	33.6	A0		16	6909	A -7 5051
47		9.4A	42 2.269	0.0022	11	-6 39 29.77	-0.015	11	0.23	2.234	16	33.6	29.53	16	33.6	A0		16	6910	A -6 5248
48		8.8A	42 4.589	-0.0011	12	-8 26 50.04	-0.015	12	0.25	4.607	16	33.6	49.80	16	33.6	K0		16	6911	A -8 5090
49		9.1A	42 10.443	0.0017	09	-2 44 35.16	-0.017	09	0.22	10.415	16	33.6	34.88	16	33.6	A0		17	6785	A -2 5099
50		8.5A	42 11.457	0.0012	09	-3 13 33.56	0.004	09	0.22	11.437	16	33.6	33.64	16	33.6	A5		17	6786	A -3 4695
51		9.4A	19 42 13.056	-0.0014	12	-8 41 16.91	0.019	12	0.25	13.079	16	33.6	17.22	16	33.6	G0		16	6912	A -8 5093
52		8.6A	42 16.701	0.0023	12	-7 49 54.05	-0.008	12	0.25	16.664	16	33.6	53.93	16	33.6	K0		16	6913	A -8 5094
53		8.4A	42 19.834	0.0014	12	-8 45 26.76	0.008	12	0.25	19.811	16	33.6	26.89	16	33.6	F0		16	6914	A -8 5095
54		9.3A	42 20.742	0.0001	09	-1 51 5.96	-0.027	09	0.22	20.741	16	33.6	5.51	16	33.6	G0		17	6787	A -2 5102
55		8.6A	42 24.041	0.0016	12	-8 4 4.48	-0.004	12	0.25	24.016	16	33.6	4.41	16	33.6	A2		16	6915	A -8 5096
56		8.7A	42 26.929	0.0009	12	-9 31 20.62	0.020	12	0.25	26.914	16	33.6	20.95	16	33.6	A0		16	6916	A -9 5230
57		8.7A	42 29.360	0.0010	09	-2 39 5.35	-0.058	09	0.22	29.343	16	33.6	4.39	16	33.6	K0		17	6788	A -2 5103
58		9.1A	42 29.436	0.0016	09	-1 43 33.08	0.021	11	0.22	29.414	17	36.5	33.36	17	36.5	K5	R	21	4965	A -1 3815
59		8.5A	42 31.628	0.0012	09	-1 29 3.37	-0.007	11	0.22	31.611	17	36.5	3.27	17	36.5	F8		21	4967	A -1 3816
60		7.7A	42 32.602	0.0007	11	-3 9 26.48	0.015	11	0.23	32.591	16	33.6	26.72	16	33.6	K0		17	6789	A -3 4696
61		8.6A	42 36.667	0.0025	12	-7 41 47.03	0.010	12	0.25	36.626	16	33.6	47.20	16	33.6	K2		16	6917	A -7 5055
62		8.3A	42 37.174	0.0006	11	-4 38 41.00	0.000	11	0.23	37.165	16	33.6	41.00	16	33.6	K0		17	6790	A -4 4903
63		9.0A	42 37.209	0.0004	09	-1 17 6.79	-0.019	11	0.22	37.204	17	36.5	6.53	17	36.5	B9		21	4969	A -1 3817
64		8.8A	42 37.457	0.0003	09	-0 47 50.16	0.004	11	0.22	37.453	17	36.5	50.21	17	36.5	B9		21	4970	A -1 3818
65		9.4A	42 40.205	0.0026	11	-6 15 53.31	-0.030	11	0.23	40.163	16	33.6	52.82	16	33.6	F8	R	16	6918	A -6 5253
66		8.6A	42 44.108	0.0011	12	-6 41 1.35	0.006	12	0.25	44.090	16	33.6	1.44	16	33.6	K5		16	6919	A -6 5254
67		8.4A	42 46.962	0.0044	12	-7 8 27.41	-0.090	12	0.25	46.890	16	33.6	25.94	16	33.6	F8		16	6920	A -7 5056
68		7.8A	42 47.230	0.0018	09	-1 37 16.07	0.025	11	0.22	47.206	17	36.5	16.40	17	36.5	K0		21	4971	A -1 3813
69		9.1A	42 48.041	0.0016	11	-1 56 16.40	0.027	11	0.23	48.013	16	33.6	16.84	16	33.6	K0		17	6792	A -2 5105
70		8.8A	42 50.191	0.0002	11	-3 16 26.36	-0.001	11	0.23	50.188	16	33.6	26.34	16	33.6	B3		17	6793	A -3 4698
71		8.5A	42 52.508	0.0006	09	-0 16 3.30	0.004	11	0.22	52.498	17	36.5	3.35	17	36.5	A2		21	4973	A -0 3835
72		8.8A	42 59.422	0.0012	09	-0 49 11.86	0.006	11	0.22	59.406	17	36.5	11.94	17	36.5	B9		21	4974	A -1 3820
73		9.2A	43 0.923	0.0010	12	-2 12 16.75	0.014	12	0.25	0.907	16	33.6	16.98	16	33.6	A0		17	6795	A -2 5106
74		8.0A	43 1.849	0.0008	13	-4 7 50.68	-0.022	13	0.27	1.841	16	33.6	50.32	16	33.6	K0		17	6794	A -4 4905
75		7.3T	43 6.588	0.0027	12	-0 49 6.85	-0.070	12	0.64	6.449	15	99.1	3.34	17	00.1	K0		GC	27340	-1 3821
76		6.5T	43 15.376	0.0001	10	-3 0 22.05	-0.000	10	0.56	15.369	15	97.7	22.03	15	95.1	B3		GC	27344	B* -3 4701
77		8.6A	43 15.924	0.0013	11	-7 42 35.31	-0.014	11	0.23	15.903	16	33.6	35.09	16	33.6	K2		16	6921	A -7 5057
78		9.0A	43 19.639	0.0027	11	-6 59 6.20	0.012	11	0.23	19.595	16	33.6	6.40	16	33.6	A0		16	6922	A -7 5058
79		8.7A	43 22.155	0.0001	12	-8 31 26.01	-0.008	12	0.25	22.154	16	33.6	25.88	16	33.6	K0		16	6923	A -8 5098
80		9.6A	43 30.306	0.0002	13	-2 41 17.36	-0.012	13	0.27	30.303	16	33.6	17.16	16	33.6	K2	F	17	6799	A -2 5109
81		9.0A	43 30.900	0.0008	13	-3 24 58.16	-0.000	13	0.27	30.886	16	33.6	58.15	16	33.6	A0		17	6798K	A -3 4702
82		8.5A	43 30.980	-0.0004	11	-4 18 25.64	-0.054	11	0.23	30.987	16	33.6	24.76	16	33.6	G5		17	6797	A -4 4907
83		9.1A	43 35.659	-0.0004	15	-9 57 6.72	-0.007	17	0.31	35.666	18	33.6	6.60	16	33.6	K2	J	11	6940	A -10 5176
84		9.0A	43 42.778	-0.0001	11	-5 27 44.29	-0.019	11	0.23	42.780	16	33.6	43.97	16	33.6	A0		17	6800	A -5 5056
85		9.0A	43 49.757	0.0003	13	-3 57 37.08	-0.013	13	0.27	49.753	16	33.6	36.87	16	33.6	G8	F	17	6801	A -4 4910
86		7.7A	43 59.849	0.0012	09	-1 30 0.84	0.002	11	0.22	59.832	17	36.5	0.86	17	36.5	A0		21	4976	A -1 3824
87		9.4A	44 0.363	-0.0004	12	-2 16 30.16	0.003	12	0.25	0.369	16	33.6	30.21	16	33.6	K5	F	17	6802	A -2 5111
88		9.0A	44 5.876	-0.0002	11	-4 33 12.84	-0.016	11	0.23	5.879	16	33.6	12.58	16	33.6	K0		17	6803	A -4 4915
89		8.8A	44 7.025	-0.0028	09	-1 11 0.36	0.067	11	0.22	7.063	17	36.5	1.26	17	36.5	G5		21	4978	A -1 3826
90		7.8A	44 11.865	-0.0004	13	-3 47 11.72	-0.012	13	0.27	11.873	16	33.6	11.53	16	33.6	F0		17	6804	A -4 4916
91		8.8A	44 16.401	0.0048	13	-4 19 14.78	0.060	13	0.27	16.323	16	33.6	15.76	16	33.6	G0		17	6805	A -4 4917
92		9.1A	44 19.540	-0.0003	09	-5 50 17.58	0.016	09	0.22	19.545	16	33.6	17.85	16	33.6	K2	R	17	6806	A -6 5260
93		8.7A	44 20.640	-0.0002	13	-2 23 39.30	0.011	13	0.27	20.643	16	33.6	39.48	16	33.6	K2		17	6807	A -2 5112
94		9.1A	44 23.878	0.0011	09	-3 16 12.34	-0.010	09	0.22	23.859	16	33.6	12.19	16	33.6	G0		17	6808	A -3 4704
95		7.8A	44 25.660	0.0016	11	-8 16 35.23	-0.019	11	0.23	25.635	16	33.6	34.93	16	33.6	K0		16	6925K	A -8 5103
96		8.0A	44 28.084	0.0015	12	-7 39 44.67	-0.011	11	0.24	28.069	16	33.6	44.50	16	33.6	K0		16	6926	A -7 5060
97		9.0A	44 37.201	0.0012	11	-8 49 18.84	-0.015	11	0.23	37.181	16	33.6	18.59	16	33.6	G5		16	6927	A -9 5244
98		7.8A	44 40.473	-0.0006	11	-6 28 0.21	-0.058	11	0.23	40.486	16	33.6	-59.27	16	33.6	K0		16	6928	A -6 5263
99		8.3A	44 44.474	0.0019	12	-9 48 15.45	-0.023	12	0.25	44.443	16	33.6	15.07	16	33.6	F8		16	6929	A -10 5183
00		8.7A	44 48.246	0.0012	12	-1 55 55.38	0.006	12	0.25	48.226	16	33.6	55.47	16	33.6	A2		17	6810K	A -2 5115

- 00° 19H

143800

EPOCH 1950 — ORIGINAL EPOCH — SOURCE — −0° 19H

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	σ'_μ ″.001	σ_{1950} ″	α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	CAT.	STAR NUMBER	DM NUMBER
1		8.5A	19 44 49.529	-0.0005	09	-3 34 35.27	0.028	09	0.22	49.538	16	33.6	35.73	16	33.6	A2	17	6809	A -3 4706
2		8.1A	45 0.988	0.0015	12	-7 28 15.94	-0.024	12	0.25	0.963	16	33.6	15.55	16	33.6	K0	16	6930	A -7 5061
3		8.9A	45 7.356	-0.0020	09	-2 1 31.67	0.047	09	0.22	7.390	16	33.6	32.44	16	33.6	F8	17	6812K	A -2 5116
4		7.8A	45 7.661	-0.0011	11	-5 21 29.72	-0.010	11	0.23	7.678	16	33.6	29.57	16	33.6	A2	17	6811	A -5 5060
5		8.2A	45 16.155	-0.0011	09	-0 11 17.93	0.022	11	0.22	16.170	17	36.5	18.23	17	36.5	B8	21	4981	A -0 3843
6		8.6A	45 19.411	0.0019	09	-0 33 55.35	0.024	11	0.22	19.386	17	36.5	55.67	17	36.5	F0	21	4982	A -0 3844
7		9.0A	45 23.606	0.0012	09	-1 49 33.26	0.027	11	0.22	23.590	17	36.5	33.62	17	36.5	K5	21	4983	A -2 5118
8		9.3A	45 24.650	0.0006	09	-2 40 28.18	-0.002	09	0.22	24.641	16	33.6	28.14	16	33.6	A0	17	6814	A -2 5117
9		9.1A	45 36.609	-0.0003	09	-3 25 28.01	-0.017	09	0.22	36.613	16	33.6	27.73	16	33.6	K0	F 17	6815	A -3 4711
10		7.5A	46 3.250	0.0006	11	-1 57 7.21	-0.002	11	0.23	3.240	16	33.6	7.17	16	33.6	B9	17	6816	A -2 5124
11		8.9A	46 8.602	0.0006	13	-3 58 20.88	-0.002	13	0.27	8.593	16	33.6	20.85	16	33.6	K5	17	6817	A -4 4923
12		8.9A	46 9.914	0.0024	12	-8 9 54.37	-0.015	12	0.25	9.876	16	33.6	54.12	16	33.6	F8	16	6931	A -8 5111
13		7.8A	46 17.918	0.0002	09	-4 37 19.45	-0.004	09	0.22	17.916	16	33.6	19.39	16	33.6	A0	F 17	6818	A -4 4926
14		8.8A	46 29.103	0.0022	11	-8 0 37.17	0.010	11	0.23	29.067	16	33.6	37.33	16	33.6	K5	16	6932	A -8 5112
15		9.0A	46 29.223	-0.0004	09	-1 46 58.64	-0.011	09	0.22	29.229	16	33.6	58.45	16	33.6	K0	17	6819	A -2 5125
16		8.2A	46 31.357	-0.0015	11	-9 2 55.99	-0.005	11	0.23	31.381	16	33.6	55.91	16	33.6	G5	16	6933	A -9 5253
17		8.8A	46 34.718	0.0021	11	-6 9 15.58	0.002	11	0.23	34.684	16	33.6	15.62	16	33.6	A5	16	6934	A -6 5269
18		8.8A	46 40.563	-0.0006	12	-7 53 27.36	-0.024	12	0.25	40.572	16	33.6	26.97	16	33.6	A0	16	6935	A -8 5114
19		9.0A	46 44.402	0.0038	12	-8 28 51.92	-0.051	12	0.25	44.340	16	33.6	51.09	16	33.6	G5	16	6936	A -8 5115
20		8.9A	46 47.727	0.0002	11	-5 29 2.16	0.032	11	0.23	47.724	16	33.6	2.68	16	33.6	F0	17	6820	A -5 5069
21		9.1A	46 52.682	-0.0038	12	-8 9 53.87	-0.092	12	0.25	52.745	16	33.6	52.37	16	33.6	G0	16	6937	A -8 5117
22		8.9A	46 56.858	0.0008	11	-6 55 22.01	-0.001	11	0.23	56.845	16	33.6	22.00	16	33.6	A2	16	6938	A -7 5072
23		8.0A	46 57.132	-0.0023	13	-4 39 23.41	-0.017	13	0.27	57.169	16	33.6	23.13	16	33.6	G0	17	6821	A -4 4936
24		8.1A	46 58.499	0.0003	09	-1 13 39.01	0.009	11	0.22	58.495	17	36.5	39.12	17	36.5	B2	21	4986	A -1 3834
25		8.9A	47 2.295	-0.0034	09	-1 40 49.36	-0.077	11	0.22	2.341	17	36.5	48.31	17	36.5	F8	21	4987	A -1 3836
26		9.0A	47 4.241	0.0002	09	-3 41 56.74	-0.003	09	0.22	4.238	16	33.6	56.69	16	33.6	A0	17	6822	A -3 4720
27		8.3Q	47 11.383	-0.0001	09	-4 2 57.13	0.001	05	0.42	11.386	18	01.5	57.22	17	88.3	G5	GC	27440K	B* -4 4938
28		8.5A	47 22.453	-0.0011	12	-4 45 15.91	-0.026	12	0.25	22.472	16	33.6	15.49	16	33.6	G5	17	6826	A -4 4940
29		8.8A	47 28.924	0.0001	13	-2 17 14.19	0.011	15	0.28	28.923	16	33.6	14.37	16	33.6	K2	17	6827	A -2 5130
30		8.9A	47 32.422	0.0014	09	-0 5 20.20	0.011	11	0.22	32.403	17	36.5	20.35	17	36.5	K5	21	4988	A -0 3852
31		8.9A	47 32.667	0.0003	12	-8 43 45.07	-0.021	12	0.25	32.662	16	33.6	44.72	16	33.6	A2	16	6939	A -8 5121
32		9.1A	47 37.859	0.0006	13	-2 10 50.58	0.006	15	0.28	37.850	16	33.6	50.67	16	33.6	G5	17	6828	A -2 5131
33		9.1A	47 42.961	0.0014	12	-8 41 40.47	0.003	12	0.25	42.939	16	33.6	40.52	16	33.6	K0	R 16	6940	A -8 5123
34		8.7A	47 46.954	0.0006	12	-7 11 22.96	0.000	12	0.25	46.944	16	33.6	22.96	16	33.6	G0	16	6941	A -7 5076
35		8.9A	47 48.802	0.0019	12	-7 18 20.11	0.015	12	0.25	48.772	16	33.6	20.36	16	33.6	K2	16	6942	A -7 5077
36		9.0A	48 0.339	0.0033	13	-5 55 10.75	-0.016	13	0.27	0.285	16	33.6	10.50	16	33.6	G5	17	6829	A -6 5275
37		9.2A	48 0.507	0.0005	09	-0 47 50.24	0.008	11	0.22	0.500	17	36.5	50.34	17	36.5	B9	21	4990	A -1 3838
38		9.4A	48 4.890	0.0007	18	-9 56 46.85	-0.016	20	0.35	4.878	18	33.6	46.59	16	33.6	F8	J 11	6973	A -10 5198
39		6.8T	48 9.918	0.0011	09	-4 49 18.27	0.012	08	0.49	9.857	12	96.0	18.96	10	94.2	A2	GC	27468	-5 5075
40		9.1A	48 10.531	0.0015	12	-4 48 16.21	0.031	12	0.25	10.507	16	33.6	16.72	16	33.6		17	6832	A -5 5076
41		8.3A	48 12.510	0.0012	13	-4 40 29.51	0.003	13	0.27	12.490	16	33.6	29.56	16	33.6	K2	F 17	6833	A -4 4948
42		9.0A	48 12.719	0.0020	12	-7 11 55.97	0.010	12	0.25	12.687	16	33.6	56.14	16	33.6	K0	16	6944	A -7 5080
43		8.7A	48 14.480	0.0016	11	-2 46 57.33	0.018	11	0.23	14.454	16	33.6	57.62	16	33.6	G5	17	6834	A -3 4728
44		8.9A	48 16.699	-0.0013	12	-9 8 18.16	-0.004	12	0.25	16.720	16	33.6	18.09	16	33.6	K0	16	6945	A -9 5263
45		9.0A	48 17.544	0.0009	13	-2 32 22.13	0.004	13	0.27	17.530	16	33.6	22.19	16	33.6	A2	17	6836	A -2 5132
46		8.8A	48 17.778	-0.0007	12	-8 58 52.25	0.009	12	0.25	17.789	16	33.6	52.40	16	33.6	G5	16	6946	A -9 5264
47		9.0A	48 18.756	-0.0020	13	-4 23 49.01	0.028	13	0.27	18.789	16	33.6	49.47	16	33.6	F0	F 17	6835	A -4 4949
48		8.3A	48 24.214	0.0105	13	-2 59 17.48	-0.067	13	0.27	24.042	16	33.6	16.38	16	33.6	G5	17	6838	A -3 4730
49		9.0A	48 24.657	-0.0007	13	-4 47 8.38	-0.015	13	0.27	24.669	16	33.6	8.14	16	33.6	G0	F 17	6837	A -5 5078
50		9.2A	48 25.690	-0.0000	12	-9 51 3.59	0.009	12	0.25	25.690	16	33.6	3.74	16	33.6	K0	16	6947	A -10 5200
51		8.5A	19 48 26.613	0.0019	13	-4 44 36.28	-0.003	13	0.27	26.582	16	33.6	36.23	16	33.6	K2	F 17	6839	A -4 4950
52		9.0A	48 27.930	-0.0007	13	-5 31 49.38	-0.014	13	0.27	27.941	16	33.6	49.16	16	33.6	K0	17	6840	A -5 5080
53		6.4T	48 34.722	-0.0007	09	-2 35 19.66	-0.033	07	0.48	34.759	12	93.7	17.66	12	90.3	K5	GC	27478	-2 5133
54		8.1A	48 36.599	-0.0014	12	-9 39 14.31	0.011	12	0.25	36.622	16	33.6	14.49	16	33.6	K0	16	6948	A -9 5267
55		9.3A	48 38.868	-0.0003	11	-7 9 29.28	0.007	11	0.23	38.873	16	33.6	29.40	16	33.6	A0	16	6949	A -7 5083
56		9.0A	48 44.352	-0.0019	17	-5 35 34.87	0.001	17	0.31	44.384	16	33.6	34.89	16	33.6	F8	17	6842	A -5 5082
57		9.2A	48 46.661	0.0018	13	-2 25 42.41	-0.022	13	0.27	46.633	16	33.6	42.05	16	33.6	F8	17	6844	A -2 5134
58		9.0A	48 46.977	-0.0012	09	-1 39 56.64	0.217	11	0.22	46.994	17	36.5	59.56	17	36.5	G5	21	4994	A -1 3841
59		9.1A	48 48.806	0.0010	17	-5 29 36.90	-0.015	17	0.31	48.790	16	33.6	36.65	16	33.6	G5	17	6843	A -5 5083
60		9.0A	48 58.097	0.0002	09	-0 46 0.39	-0.023	11	0.22	58.094	17	36.5	0.08	17	36.5	K0	21	4995	A -1 3842
61		8.9A	49 16.766	-0.0004	09	-0 38 30.41	-0.004	11	0.22	16.772	17	36.5	30.36	17	36.5	K0	21	4996	A -0 3859
62		8.8A	49 25.363	0.0018	12	-6 28 30.01	-0.016	12	0.25	25.333	16	33.6	30.28	16	33.6	F8	16	6950	A -6 5284
63		8.0A	49 27.840	0.0018	09	-2 16 56.99	0.010	09	0.22	27.810	16	33.6	57.15	16	33.6	K2	17	6845	A -2 5136
64		9.3A	49 28.886	-0.0005	12	-9 8 36.62	-0.005	12	0.25	28.894	16	33.6	36.54	16	33.6	F8	R 16	6951	A -9 5270
65		8.4A	49 35.144	-0.0007	12	-9 41 23.70	-0.013	12	0.25	35.155	16	33.6	23.49	16	33.6	K0	16	6952	A -9 5272
66		9.2A	49 36.503	-0.0006	13	-2 45 47.78	0.001	13	0.27	36.516	16	33.6	47.79	16	33.6	G5	17	6846	A -3 4734
67		8.9A	49 42.935	0.0002	09	-0 43 46.61	-0.016	11	0.22	42.932	17	36.5	46.39	17	36.5	K0	21	4997	A -0 3861
68		8.8A	49 45.638	0.0013	09	-1 24 4.76	0.023	11	0.22	45.621	17	36.5	5.07	17	36.5	K0	21	4998	A -1 3845
69		8.8A	49 50.110	-0.0005	09	-0 49 1.34	-0.006	11	0.22	50.117	17	36.5	1.25	17	36.5	K2	21	5000	A -1 3846
70		9.3A	49 54.056	-0.0022	12	-9 3 30.50	0.000	12	0.25	54.091	16	33.6	30.50	16	33.6	A2	16	6953	A -9 5275
71		8.0A	49 59.820	0.0001	13	-5 40 53.50	0.015	13	0.27	59.818	16	33.6	53.76	16	33.6	B9	17	6847	A -5 5091
72		9.4A	50 0.175	-0.0007	13	-2 15 56.30	-0.007	13	0.27	0.187	16	33.6	56.18	16	33.6	G0	17	6848	A -2 5137
73		8.1A	50 3.738	-0.0004	12	-7 49 34.88	-0.048	12	0.25	3.745	16	33.6	34.10	16	33.6	K0	16	6955	A -8 5141
74		8.4A	50 4.842	0.0006	12	-6 1 30.21	0.010	12	0.25	4.832	16	33.6	30.38	16	33.6	K5	16	6956	A -6 5286
75		8.6A	50 11.438	0.0007	13	-4 45 40.95	0.007	13	0.27	11.427	16	33.6	41.07	16	33.6	F5	17	6849	A -5 5093
76		9.2A	50 13.819	0.0007	12	-6 43 41.46	-0.018	12	0.25	13.808	16	33.6	41.17	16	33.6	A2	16	6957	A -6 5289
77		8.6A	50 14.444	0.0007	12	-6 22 15.54	-0.027	12	0.25	14.433	16	33.6	15.10	16	33.6	K0	16	6958	A -6 5290
78		9.0A	50 27.123	0.0012	12	-8 23 48.69	0.009	12	0.25	27.103	16	33.6	48.84	16	33.6	A0	16	6959	A -8 5144
79		9.2A	50 30.071	0.0021	12	-7 13 4.65	-0.018	12	0.25	30.038	16	33.6	4.36	16	33.6	A2	16	6960	A -7 5090
80		7.4T	50 34.271	-0.0019	13	-5 40 13.39	-0.037	12	0.67	34.368	17	99.4	11.54	17	99.6	G0	GC	27530	-5 5096
81		8.5A	50 40.305	0.0008	12	-6 56 41.20	0.000	12	0.25	40.293	16	33.6	41.21	16	33.6	K0	16	6962	A -7 5091
82		8.0A	50 40.620	-0.0017	13	-4 42 12.63	-0.001	13	0.27	40.648	16	33.6	12.61	16	33.6	K5	17	6851	A -4 4960
83		5.6H	50 41.602	0.0014	02	-3 14 43.33	0.017	02	0.07	41.568	04	26.3	43.80	04	22.7	+++	F4	1519	-3 4742
84		8.6Q	50 41.864	0.0031	09	-6 8 5.79	-0.006	05	0.38	41.719	17	03.0	5.46	15	92.1	F8	GC	27533	-6 5294
85		9.0A	50 43.700	0.0020	12	-6 8 14.30	0.000	12	0.25	43.667	16	33.6	14.31	16	33.6	G0	16	6964	A -6 5295
86		9.1A	50 44.175	0.0005	13	-2 43 45.60	-0.019	13	0.27	44.167	16	33.6	45.28	16	33.6	A2	17	6853	A -2 5139
87		8.3A	50 45.564	0.0018	12	-7 33 34.92	-0.024	12	0.25	45.535	16	33.6	34.53	16	33.6	A3	16	6965	A -7 5092
88		8.9A	50 49.114	-0.0005	12	-8 52 54.16	-0.032	12	0.25	49.123	16	33.6	53.63	16	33.6	A0	16	6966	A -9 5278
89		9.2A	50 49.353	0.0006	09	-0 36 4.61	-0.031	11	0.22	49.346	17	36.5	4.19	17	36.5	K5	21	5004	A -0 3866
90		8.9A	50 52.585	-0.0006	11	-2 0 54.60	-0.000	11	0.23	52.596	16	33.6	54.60	16	33.6	F8	17	6854	A -2 5141
91		8.7A	50 54.130	0.0004	13	-2 50 38.37	0.024	13	0.27	54.123	16	33.6	38.77	16	33.6	K0	17	6855	A -3 4744
92		9.0A	51 6.471	-0.0008	13	-3 52 38.00	-0.023	13	0.27	6.484	16	33.6	37.64	16	33.6	K2	17	6856	A -4 4962
93		8.8A	51 18.169	-0.0049	12	-6 53 7.18	-0.012	12	0.25	18.249	16	33.6	6.99	16	33.6	G0	16	6967	A -7 5094
94		6.0T	51 25.493	0.0001	04	-8 42 19.98	-0.018	03	0.22	25.489	12	97.8	19.07	10	99.0	K5	GC	27546	B* -8 5150
95		8.0A	51 36.551	0.0010	13	-5 10 35.63	-0.006	13	0.27	36.535	16	33.6	35.53	16	33.6	F8	17	6857	A -5 5099
96		9.0A	51 37.948	-0.0021	11	-5 20 36.11	-0.002	11	0.23	37.983	16	33.6	36.07	16	33.6	G5	17	6858	A -5 5100
97		8.4A	51 51.781	0.0005	11	-6 30 38.55	-0.016	11	0.23	51.773	16	33.6	38.29	16	33.6	K0	16	6969	A -6 5300
98		5.8T	51 55.256	0.0004	03	-8 21 32.32	-0.024	02	0.14	55.238	06	02.5	31.15	06	00.5	B3	GC	27562K	B* -8 5154
99		6.5T	51 55.686	0.0012	06	-8 22 7.69	-0.026	06	0.37	55.619	15	93.8	6.17	15	91.0	B	GC	27563K	B* -8 5155
00		8.8A	52 5.789	-0.0000	09	-0 54 7.02	0.027	11	0.22	5.790	17	36.5	7.38	17	36.5	F8	21	5007	A -1 3854

143900

EPOCH 1950 — ORIGINAL EPOCH — SOURCE — -00° 19H

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	CAT.	STAR NUMBER	DM NUMBER
1		8.7A	19 52 14.587	-0.0002	12	-7 1 4.36	-0.042	12	0.25	14.591	16	33.6	3.67	16	33.6	K0	16	6972	A -7 5098
2		8.5A	52 15.114	0.0007	12	-7 11 14.04	-0.005	12	0.25	15.103	16	33.6	13.96	16	33.6	A0	16	6973	A -7 5099
3		8.8A	52 20.124	0.0011	12	-7 35 24.15	-0.005	12	0.25	20.107	16	33.6	24.07	16	33.6	G5	16	6974	A -7 5100
4		8.6A	52 22.901	0.0004	12	-7 4 27.78	0.005	12	0.25	22.895	16	33.6	27.86	16	33.6	K2	16	6976	A -7 5101
5		8.9A	52 23.490	0.0015	12	-7 50 24.29	-0.008	12	0.25	23.466	16	33.6	24.16	16	33.6	K5	16	6975	A -8 5158
6		9.0A	52 26.144	0.0002	09	-1 2 51.07	-0.020	11	0.22	26.141	17	36.5	50.79	17	36.5	K5	21	5009	A -1 3856
7		9.0A	52 29.746	0.0012	12	-6 13 21.03	-0.014	12	0.25	29.727	16	33.6	20.80	16	33.6	K0	16	6978	A -6 5305
8		7.6A	52 31.251	0.0008	12	-7 56 21.88	-0.020	12	0.25	31.238	16	33.6	21.55	16	33.6	K2	16	6977	A -8 5160
9		9.1A	52 32.457	0.0006	09	-4 25 35.99	-0.013	09	0.22	32.448	16	33.6	35.79	16	33.6	K0	F 17	6860	A -4 4968
10		8.5A	52 37.235	0.0022	09	-0 58 30.10	-0.011	11	0.22	37.205	17	36.5	29.95	17	36.5	G0	21	5010	A -1 3858
11		6.5T	52 38.652	0.0022	07	-6 51 59.38	-0.045	05	0.41	38.527	14	92.6	56.48	12	85.2	F2	GC	27580K	B* -7 5102
12		8.6A	52 39.219	0.0000	09	-0 34 1.11	-0.009	11	0.22	39.219	17	36.5	0.99	17	36.5	A0	21	5012	A -0 3874
13		9.0A	52 53.881	0.0002	12	-8 52 52.41	0.019	12	0.25	53.878	16	33.6	52.72	16	33.6	F0	16	6980	A -9 5298
14		9.2A	52 54.535	0.0016	11	-2 51 38.32	-0.006	11	0.23	54.509	16	33.6	38.22	16	33.6	G8	F 17	6861	A -3 4749
15		9.1A	52 54.615	0.0008	12	-7 55 26.41	0.021	12	0.25	54.602	16	33.6	26.75	16	33.6	G5	16	6981	A -8 5166
16		8.8A	52 55.722	-0.0007	12	-8 15 20.22	0.003	12	0.25	55.733	16	33.6	20.27	16	33.6	K0	16	6982	A -8 5165
17		8.6A	52 57.175	-0.0005	12	-8 53 11.59	-0.093	12	0.25	57.183	16	33.6	10.06	16	33.6	G0	16	6983	A -9 5289
18		8.6A	53 0.509	0.0004	13	-6 50 35.45	0.003	13	0.27	0.503	16	33.6	35.50	16	33.6	K	16	6984	A -7 5103
19		8.9A	53 5.328	0.0009	12	-7 58 5.04	-0.005	12	0.25	5.314	16	33.6	4.96	16	33.6	K0	16	6985	A -8 5168
20		8.9A	53 8.729	-0.0003	12	-9 24 33.34	0.009	12	0.25	8.733	16	33.6	33.49	16	33.6	A5	16	6986	A -9 5291
21		9.1A	53 10.962	-0.0001	12	-9 45 52.58	0.027	12	0.25	10.964	16	33.6	53.02	16	33.6	G5	16	6987	A -10 5226
22		9.2A	53 16.680	0.0004	09	-3 5 26.79	0.002	09	0.22	16.674	16	33.6	26.81	16	33.6	A0	17	6862	A -3 4750
23		8.7A	53 19.771	0.0012	09	-2 1 43.03	0.001	09	0.22	19.751	16	33.6	43.04	16	33.6	A0	17	6863	A -2 5147
24		9.0A	53 23.318	0.0003	12	-8 12 57.38	-0.014	12	0.25	23.313	16	33.6	57.16	16	33.6	K0	16	6988	A -8 5169
25		8.9A	53 26.873	-0.0008	12	-8 52 4.25	0.007	12	0.25	26.886	16	33.6	4.36	16	33.6	G5	16	6989	A -9 5294
26		9.0A	53 33.386	0.0004	12	-8 6 55.19	0.001	12	0.25	33.380	16	33.6	55.21	16	33.6	K2	16	6990	A -8 5170
27		8.4A	53 40.536	-0.0002	12	-6 59 29.61	-0.039	12	0.25	40.539	16	33.6	28.97	16	33.6	F8	16	6991	A -7 5106
28		8.5A	53 54.623	0.0010	09	-4 45 20.32	-0.004	09	0.22	54.607	16	33.6	20.26	16	33.6	A3	17	6864	A -5 5114
29		9.1A	53 59.037	0.0013	12	-7 16 18.57	0.000	12	0.25	59.016	16	33.6	18.58	16	33.6	K0	16	6992	A -7 5108
30		9.2A	54 0.392	0.0007	12	-8 1 43.74	-0.002	12	0.25	0.380	16	33.6	43.71	16	33.6	A0	16	6993	A -8 5171
31		9.3A	54 1.108	0.0018	11	-6 20 32.65	-0.003	11	0.23	1.079	16	33.6	32.61	16	33.6	A2	16	6994	A -6 5310
32		8.3A	54 6.262	0.0014	13	-3 7 57.06	-0.012	13	0.27	6.240	16	33.6	56.85	16	33.6	K0	17	6865K	A -3 4751
33		9.4A	54 10.920	-0.0014	12	-5 14 1.55	0.015	12	0.25	10.943	16	33.6	1.79	16	33.6	F5	R 17	6866	A -5 5116
34		8.8A	54 14.643	0.0017	09	-2 25 59.63	-0.011	09	0.22	14.616	16	33.6	59.45	16	33.6	G5	17	6867	A -2 5149
35		9.0A	54 21.596	-0.0012	09	-1 20 32.57	-0.038	11	0.22	21.613	17	36.5	32.05	17	36.5	K0	21	5016	A -1 3863
36		9.0A	54 23.077	0.0062	09	-5 24 59.69	-0.039	09	0.22	22.976	16	33.6	59.05	16	33.6	G5	17	6868	A -5 5117
37		8.4A	54 24.244	0.0009	12	-9 16 19.98	0.014	12	0.25	24.230	16	33.6	20.21	16	33.6	K2	16	6995	A -9 5297
38		8.0A	54 26.511	0.0001	09	-1 7 18.21	-0.016	11	0.22	26.510	17	36.5	18.43	17	36.5	K2	21	5017	A -1 3864
39		7.8A	54 30.234	-0.0007	12	-7 32 22.59	-0.004	12	0.25	30.246	16	33.6	22.53	16	33.6	A0	16	6996	A -7 5114
40		8.2A	54 39.339	-0.0014	11	-4 49 16.20	-0.024	11	0.23	39.362	16	33.6	15.81	16	33.6	F2	17	6869	A -5 5120
41		8.7A	54 40.712	0.0017	11	-2 7 47.12	-0.024	11	0.23	40.685	16	33.6	46.72	16	33.6	A0	17	6870	A -2 5151
42		6.7T	54 43.946	0.0010	12	-6 49 51.69	-0.155	11	0.65	43.892	15	94.5	43.13	15	94.7	G5	GC	27629	-7 5115
43		8.6A	54 46.602	0.0051	11	-8 13 38.21	0.008	11	0.23	46.518	16	33.6	38.34	16	33.6	F5	16	6998	A -8 5175
44		9.0A	54 53.304	-0.0004	09	-6 38 43.74	-0.006	09	0.22	53.311	16	33.6	43.65	16	33.6	F5	16	6999	A -6 5313
45		9.1A	54 55.955	0.0011	12	-6 45 6.04	-0.005	12	0.25	55.938	16	33.6	5.99	16	33.6	G5	16	7000	A -7 5116
46		8.7A	55 3.094	0.0003	12	-9 21 16.86	-0.017	12	0.25	3.089	16	33.6	16.58	16	33.6	B9	16	7001	A -9 5302
47		9.0A	55 4.663	-0.0000	09	-3 57 35.35	-0.004	09	0.22	4.664	16	33.6	35.29	16	33.6	G5	F 17	6871K	A -4 4978
48		8.9A	55 7.795	0.0024	13	-4 25 45.72	-0.004	13	0.27	7.756	16	33.6	45.66	16	33.6	G0	R 17	6872	A -4 4979
49		9.2A	55 9.672	0.0014	09	-2 9 21.25	-0.007	09	0.22	9.649	16	33.6	21.13	16	33.6	K5	17	6873	A -2 5153
50		9.0A	55 10.123	0.0015	12	-7 5 38.66	0.047	12	0.25	10.099	16	33.6	39.44	16	33.6	F8	16	7003	A -7 5117
51		7.7A	19 55 10.579	0.0012	12	-9 11 37.89	-0.003	12	0.25	10.560	16	33.6	37.84	16	33.6	K2	16	7002K	A -9 5303
52		7.8A	55 17.018	0.0017	12	-6 34 49.33	0.009	12	0.25	16.991	16	33.6	49.48	16	33.6	A0	16	7005	A -6 5319
53		8.6A	55 17.276	0.0008	12	-9 12 34.33	0.013	12	0.25	17.263	16	33.6	34.54	16	33.6	K0	16	7004	A* -9 5304
54		8.5A	55 17.755	0.0009	11	-5 19 17.01	0.007	11	0.23	17.741	16	33.6	17.12	16	33.6	F0	17	6874	A -5 5124
55		8.5A	55 30.059	-0.0001	12	-8 9 15.22	-0.023	12	0.25	30.061	16	33.6	14.84	16	33.6	F0	16	7006	A -8 5178
56		8.5A	55 32.462	0.0044	11	-4 29 28.97	0.020	11	0.23	32.391	16	33.6	29.30	16	33.6	G5	17	6875	A -4 4982
57		8.2A	55 33.795	0.0004	11	-6 29 12.03	-0.023	11	0.23	33.789	16	33.6	12.41	16	33.6	A0	17	7007	A -6 5320
58		8.2A	55 51.226	0.0003	09	-4 29 31.97	0.008	09	0.22	51.222	16	33.6	32.10	16	33.6	F0	17	6877	A -4 4984
59		7.1T	55 55.033	-0.0009	06	-3 41 23.55	-0.011	06	0.25	55.065	09	12.8	24.00	10	10.6	K5	GC	27659	-3 4757
60		9.2A	55 55.673	0.0000	09	-1 41 31.57	0.012	11	0.22	55.673	17	36.5	31.72	17	36.5	A0	21	5021	A -1 3872
61		9.0A	56 2.894	0.0013	11	-7 2 17.37	-0.001	11	0.23	2.873	16	33.6	17.35	16	33.6	G5	16	7008	A -7 5126
62		8.9A	56 7.288	0.0026	11	-8 23 45.56	0.000	11	0.23	7.246	16	33.6	45.57	16	33.6	G5	16	7009	A -8 5182
63		9.0A	56 9.858	-0.0003	12	-3 22 12.23	0.007	12	0.25	9.863	16	33.6	12.36	16	33.6	A3	17	6880	A -3 4759
64		9.2A	56 20.087	0.0012	12	-9 42 24.92	0.006	11	0.24	20.068	16	33.6	25.02	16	33.6	K0	16	7010	A -9 5308
65		9.2A	56 26.816	-0.0004	12	-6 47 30.43	-0.017	12	0.25	26.822	16	33.6	30.15	16	33.6	MA	R 16	7011	A -7 5128
66		8.8A	56 28.333	0.0001	09	-4 18 43.87	-0.012	09	0.22	28.332	16	33.6	43.69	16	33.6	K2	17	6881	A -4 4986
67		8.8A	56 28.771	0.0017	09	-2 34 34.85	0.004	09	0.22	28.744	16	33.6	34.91	16	33.6	A0	17	6882	A -2 5157
68		9.0A	56 29.048	0.0004	11	-7 50 48.45	-0.018	11	0.23	29.041	16	33.6	48.16	16	33.6	G0	16	7012	A -8 5185
69		9.5A	56 35.292	0.0006	17	-9 38 32.42	-0.049	18	0.33	35.282	18	33.6	31.62	16	33.6		11	7033	A -9 5309
70		7.9A	56 42.427	0.0001	11	-8 13 35.66	-0.006	11	0.23	42.425	16	33.6	35.57	16	33.6	K0	16	7013	A -8 5186
71		9.0A	56 45.602	0.0008	09	-4 40 17.34	-0.044	09	0.22	45.589	16	33.6	16.62	16	33.6	G5	17	6883	A -4 4987
72		8.6A	56 54.818	0.0007	12	-6 32 57.67	0.014	12	0.25	54.807	16	33.6	57.90	16	33.6	A0	16	7014	A -6 5326
73		8.5A	56 58.840	0.0003	12	-9 1 34.57	0.008	12	0.25	58.835	16	33.6	34.70	16	33.6	K5	16	7015	A -9 5311
74		6.6T	57 5.663	0.0004	10	-2 6 27.07	-0.027	10	0.57	5.639	15	93.8	25.54	15	94.0	A2	GC	27691	-2 5159
75		8.8A	57 7.335	0.0028	09	-1 9 49.47	-0.065	11	0.22	7.297	17	36.5	48.32	17	36.5	G5	21	5030	A -1 3876
76		9.0A	57 7.491	0.0006	09	-1 34 5.97	0.008	11	0.22	7.483	17	36.5	6.07	17	36.5	F5	21	5029	A -1 3875
77		9.0A	57 8.880	0.0015	09	-2 38 47.37	-0.013	09	0.22	8.856	16	33.6	47.15	16	33.6	A0	17	6885	A -2 5160
78		9.1A	57 10.580	0.0007	09	-6 5 18.17	-0.001	09	0.22	10.569	16	33.6	18.16	16	33.6	K0	16	7016	A -6 5327
79		8.9A	57 25.296	0.0000	09	-5 48 9.92	0.004	09	0.22	25.296	16	33.6	9.99	16	33.6	K0	16	6886	A -6 5331
80		8.6A	57 34.915	-0.0001	12	-8 48 23.16	-0.050	12	0.25	34.917	16	33.6	22.34	16	33.6	G5	16	7018	A -9 5316
81		9.1A	57 38.058	-0.0006	09	-0 41 8.35	-0.018	11	0.22	38.066	17	36.5	8.10	17	36.5	K5	21	5032	A -0 3895
82		8.5A	57 48.158	0.0000	11	-3 48 42.87	-0.018	11	0.23	48.158	16	33.6	42.58	16	33.6	K2	F 17	6887	A -4 4989
83		9.1A	58 3.045	-0.0001	09	-1 47 15.74	-0.005	11	0.22	3.046	17	36.5	15.80	17	36.5	K2	21	5034	A -2 5163
84		9.2A	58 4.252	0.0001	11	-8 15 26.88	-0.139	11	0.23	4.250	16	33.6	24.60	16	33.6	G5	16	7019	A -8 5194
85		7.8A	58 10.380	-0.0009	13	-4 26 59.16	-0.027	13	0.27	10.394	16	33.6	58.72	16	33.6	K2	17	6889	A -4 4992
86		9.0A	58 13.865	0.0009	12	-8 34 17.21	-0.007	12	0.25	13.850	16	33.6	17.09	16	33.6	A5	16	7020	A -8 5196
87		9.1A	58 16.519	-0.0005	09	-4 39 53.54	-0.023	09	0.22	16.528	16	33.6	53.17	16	33.6	G2	F 17	6890	A -4 4993
88		9.3A	58 19.393	0.0007	11	-1 44 41.94	-0.026	11	0.23	19.382	16	33.6	41.51	16	33.6	K0	17	6891	A -2 5166
89		9.0A	58 22.581	0.0018	09	-1 9 13.21	-0.006	11	0.22	22.556	17	36.5	13.13	17	36.5	F5	21	5038	A -1 3880
90		9.2A	58 29.220	0.0004	09	-5 33 20.88	0.010	09	0.22	29.214	16	33.6	21.04	16	33.6	G5	R 17	6893	A -5 5135
91		9.1A	58 29.287	0.0002	12	-7 12 27.75	-0.019	12	0.25	29.283	16	33.6	27.45	16	33.6	G5	16	7021	A -7 5143
92		9.0A	58 30.191	0.0009	12	-6 57 50.17	-0.022	12	0.25	30.176	16	33.6	49.81	16	33.6	G0	16	7022	A -7 5144
93		9.2A	58 35.449	0.0014	13	-2 25 13.66	0.014	13	0.27	35.426	16	33.6	13.89	16	33.6	K2	F 17	6894	A -2 5167
94		8.9A	58 37.297	0.0001	12	-8 59 6.51	-0.005	12	0.25	37.295	16	33.6	6.43	16	33.6	K5	16	7023	A -9 5323
95		7.6A	58 40.059	0.0012	12	-9 37 35.62	0.006	12	0.25	40.040	16	33.6	35.72	16	33.6	A2	16	7024	A -9 5324
96		8.5A	58 55.453	0.0012	12	-6 30 51.02	-0.009	12	0.25	55.434	16	33.6	50.87	16	33.6	K2	16	7025	A -6 5339
97		8.8A	58 56.758	-0.0012	11	-3 57 46.13	0.022	09	0.22	56.778	16	33.6	46.49	16	33.6	G0	17	6895	A -4 4998
98		9.0A	59 1.468	0.0001	09	-1 48 38.18	-0.013	11	0.22	1.467	17	36.5	38.00	17	36.5	G0	21	5041	A -2 5168
99		8.9A	59 1.693	0.0007	12	-7 18 48.30	-0.044	12	0.25	1.684	16	33.6	47.59	16	33.6	A3	16	7027	A -7 5146
00		9.5A	59 3.091	0.0029	15	-1 41 29.76	0.009	15	0.29	3.044	16	33.6	29.91	16	33.6	G5	F 17	6897	A -1 3881

144000

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	EPOCH 1950 μ s	EPOCH 1950 σ_μ ".001	EPOCH 1950 δ_{1950} ° ′ ″	EPOCH 1950 μ' ″	EPOCH 1950 $\sigma_{\mu'}$ ".001	EPOCH 1950 σ_{1950} ″	ORIGINAL EPOCH α_2 s	ORIGINAL EPOCH σ ".01	ORIGINAL EPOCH ep.	ORIGINAL EPOCH δ_2 ″	ORIGINAL EPOCH σ' ".01	ORIGINAL EPOCH ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	- 0° 19H DM NUMBER
1		8.8A	19 59 3.748	0.0012	12	-9 47 14.30	-0.008	12	0.25	3.729	16	33.6	14.17	16	33.6	K5	16	7026	A -10 5249
2		7.0T	59 5.154	0.0015	08	-0 20 19.18	-0.001	07	0.47	5.066	14	92.4	19.12	14	91.1	A0	GC	27757K	B* -0 3899
3		9.0A	59 5.166	-0.0004	09	-1 48 53.95	-0.008	11	0.22	5.171	17	36.5	53.83	17	36.5	G0	21	5043	A -2 5169
4		8.9A	59 10.265	0.0061	12	-6 35 43.60	-0.066	12	0.25	10.165	16	33.6	42.53	16	33.6	G0	16	7028	A -6 5341
5		9.2A	59 11.651	-0.0006	12	-7 13 21.48	-0.003	12	0.25	11.661	16	33.6	21.44	16	33.6	A5	16	7029	A -7 5147
6		8.9A	59 20.802	-0.0004	12	-6 27 29.78	0.002	12	0.25	20.809	16	33.6	29.82	16	33.6	F5	16	7031	A -6 5343
7		8.8A	59 23.132	-0.0003	11	-4 0 17.31	-0.007	11	0.23	23.138	16	33.6	17.20	16	33.6	A0	17	6899	A -4 5000
8		9.1A	59 30.385	0.0007	12	-7 58 21.43	-0.025	12	0.25	30.374	16	33.6	21.02	16	33.6	K2	16	7032	A -8 5200
9		6.7T	59 31.643	0.0017	09	-5 7 47.57	-0.010	09	0.52	31.550	12	94.4	47.03	10	93.0	A0	GC	27761	-5 5138
10		8.6A	59 31.705	0.0005	09	-4 57 45.42	-0.008	09	0.22	31.697	16	33.6	45.29	16	33.6	A0	17	6901	A -5 5137
11		9.2A	59 32.158	-0.0014	12	-7 30 42.56	-0.016	12	0.25	32.182	16	33.6	42.31	16	33.6	K0	16	7033	A -7 5149
12		8.7A	59 42.198	-0.0009	12	-7 22 29.99	-0.027	12	0.25	42.213	16	33.6	29.55	16	33.6	K5	16	7034	A -7 5151
13		9.0A	59 50.790	-0.0046	09	-0 59 5.22	-0.057	11	0.22	50.853	17	36.5	4.45	17	36.5	G5	21	5047	A -1 3884
14		8.9A	59 53.382	0.0007	12	-9 43 12.32	0.003	12	0.25	53.371	16	33.6	12.37	16	33.6	F8	16	7035	A -9 5332
15		9.0A	59 54.041	0.0020	12	-7 16 35.87	-0.008	12	0.25	54.009	16	33.6	35.74	16	33.6	K0	16	7036	A -7 5152
16		9.0A	20 0 0.311	0.0002	12	-6 30 19.29	-0.002	12	0.25	0.308	16	33.6	19.26	16	33.6	G5	16	7037	A -6 5345
17		7.3A	0 0.687	-0.0010	12	-3 28 57.89	-0.017	12	0.25	0.704	16	33.6	57.61	16	33.6	G5	17	6902	A -3 4771
18		8.8A	0 5.318	-0.0005	11	-5 39 0.28	-0.025	11	0.23	5.327	16	33.6	59.88	16	33.6	F2	17	6903	A -5 5140
19		8.6A	0 10.459	-0.0007	09	-0 44 49.91	-0.014	11	0.22	10.468	17	36.5	49.72	17	36.5	K0	21	5048	A -1 3885
20		9.0A	0 10.893	0.0036	11	-9 5 45.51	0.000	11	0.23	10.833	16	33.6	45.51	16	33.6	G0	16	7039	A -9 5335
21		8.8A	0 13.360	0.0019	12	-7 9 9.97	-0.019	12	0.25	13.330	16	33.6	9.67	16	33.6	G0	16	7041	A -7 5154
22		8.4A	0 13.792	-0.0006	11	-8 57 10.31	0.009	11	0.23	13.802	16	33.6	10.47	16	33.6	K0	16	7040	A -9 5336
23		8.8A	0 17.000	-0.0010	13	-4 37 13.63	0.007	13	0.27	17.016	16	33.6	13.75	16	33.6	K2	F 17	6904	A -4 5002
24		7.9Q	0 18.212	-0.0015	12	-9 10 54.92	-0.142	12	0.58	18.281	17	04.6	48.20	17	02.6	F8	GC	27785	-9 5337
25		9.1A	0 19.055	0.0014	12	-6 34 19.02	0.006	12	0.25	19.033	16	33.6	19.12	16	33.6	A0	16	7043	A -6 5346
26		8.4T	0 22.122	0.0011	11	-7 50 12.54	-0.056	11	0.58	22.069	14	00.1	9.58	12	96.9	G0	GC	27788	-8 5205
27		8.9A	0 23.901	0.0000	12	-7 22 16.89	0.001	12	0.25	23.901	16	33.6	16.92	16	33.6	K0	16	7045	A -7 5155
28		9.2A	0 24.808	0.0039	12	-6 25 38.96	-0.117	12	0.25	24.744	16	33.6	37.05	16	33.6	K0	16	7046	A -6 5347
29		8.2A	0 35.146	0.0000	09	-4 46 20.24	-0.023	09	0.22	35.146	16	33.6	20.62	16	33.6	K5	17	6905	A -5 5144
30		9.0A	0 35.595	0.0013	12	-5 55 25.86	-0.021	12	0.25	35.574	16	33.6	25.52	16	33.6	A0	16	7047	A -6 5348
31		8.7A	0 46.242	0.0014	09	-4 30 32.22	-0.010	09	0.22	46.220	16	33.6	32.06	16	33.6	A2	17	6906	A -4 5003
32		7.9Q	0 52.926	0.0020	08	-0 3 8.24	-0.035	07	0.42	52.821	12	98.4	6.40	12	97.5	F5	GC	27804	-0 3903
33		8.8A	1 2.689	0.0010	11	-3 31 7.88	-0.017	11	0.23	2.673	16	33.6	7.61	16	33.6	G5	17	6907	A -3 4773
34		8.3A	1 5.541	-0.0047	09	-4 30 54.33	-0.141	09	0.22	5.619	16	33.6	52.02	16	33.6	G5	17	6908	A -4 5006
35		8.9A	1 6.687	-0.0005	12	-8 52 11.31	-0.005	12	0.25	6.696	16	33.6	11.23	16	33.6	K2	16	7048	A -9 5340
36		7.9A	1 17.097	0.0007	12	-9 16 5.82	-0.050	12	0.25	17.085	16	33.6	5.01	16	33.6	A0	16	7049	A -9 5343
37		9.0A	1 18.047	-0.0034	12	-9 20 19.18	-0.045	12	0.25	18.102	16	33.6	18.44	16	33.6	G0	16	7050	A -9 5344
38		6.5T	1 19.780	0.0008	12	-7 36 40.06	-0.047	12	0.71	19.736	17	93.0	37.41	17	93.3	A5	GC	27814	-7 5159
39		9.1A	1 22.557	0.0012	12	-4 37 33.35	-0.002	13	0.26	22.538	16	33.6	33.32	16	33.6	F0	F 17	6909	A -4 5007
40		9.2A	1 27.664	0.0003	12	-6 2 20.82	-0.009	12	0.25	27.659	16	33.6	20.68	16	33.6	K0	R 16	7052	A -6 5350
41		8.9A	1 33.562	-0.0002	12	-6 9 40.20	0.015	12	0.25	33.566	16	33.6	40.46	16	33.6	K0	16	7054	A -6 5351
42		9.0A	1 34.971	-0.0020	09	-7 52 43.47	-0.027	09	0.22	35.005	16	33.6	43.03	16	33.6	K0	16	7053	A -8 5212
43		8.8A	1 43.362	-0.0010	12	-8 29 15.60	-0.044	12	0.25	43.379	16	33.6	14.88	16	33.6	K2	16	7055	A -8 5214
44		8.1A	1 44.492	-0.0053	12	-9 35 0.00	-0.054	12	0.25	44.578	16	33.6	59.12	16	33.6	G5	16	7056	A -9 5347
45		5.8T	1 48.614	0.0000	03	-0 51 0.41	-0.116	03	0.19	48.612	09	98.0	54.46	09	98.8	K0	GC	27832	B* -1 3887
46		8.9A	2 0.440	0.0015	09	-1 27 28.52	-0.002	11	0.22	0.419	17	36.5	28.48	17	36.5	K0	21	5057	A -1 3888
47		9.0A	2 7.469	0.0004	13	-4 45 44.54	0.014	13	0.27	7.462	16	33.6	44.77	16	33.6	F5	F 17	6910	A -5 5149
48		8.9A	2 15.028	0.0012	09	-2 27 26.48	-0.003	09	0.22	15.010	16	33.6	26.43	16	33.6	F5	F 17	6912	A -2 5175
49		8.6A	2 25.524	-0.0008	12	-8 25 0.12	-0.069	12	0.25	25.537	16	33.6	58.99	16	33.6	G0	16	7057	A -8 5216
50		8.8A	2 29.064	0.0013	09	-3 56 33.35	0.017	09	0.22	29.043	16	33.6	33.63	16	33.6	A3	17	6914	A -4 5011
51		8.9A	20 2 31.641	-0.0003	12	-8 32 55.69	-0.028	12	0.25	31.647	16	33.6	55.23	16	33.6	K5	16	7058	A -8 5218
52		8.0A	2 31.935	-0.0015	12	-8 14 55.44	-0.055	12	0.25	31.961	16	33.6	54.55	16	33.6	A3	16	7059	A -8 5217
53		8.9T	2 39.713	0.0016	09	-6 43 41.75	-0.007	07	0.46	39.630	12	97.2	41.37	10	93.9	A2	GC	27860	-6 5360
54		8.7A	2 40.295	-0.0004	11	-5 56 22.26	-0.005	11	0.23	40.301	16	33.6	22.18	16	33.6	K0	16	7061	A -6 5361
55		9.0A	2 46.736	0.0007	12	-7 48 47.67	0.007	12	0.25	46.726	16	33.6	47.79	16	33.6	K0	16	7062	A -8 5219
56		8.6A	3 1.090	-0.0011	12	-6 3 6.55	0.021	12	0.25	1.108	16	33.6	6.90	16	33.6	K2	16	7063	A -6 5366
57		9.1A	3 2.200	0.0010	09	-2 52 43.89	-0.022	09	0.22	2.184	16	33.6	43.52	16	33.6	K5	F 17	6915	A -3 4780
58		9.0A	3 12.094	0.0005	13	-3 30 45.77	0.011	13	0.27	12.086	16	33.6	45.96	16	33.6	K6	F 17	6916	A -3 4781
59		8.5A	3 13.839	-0.0011	12	-8 15 57.34	-0.075	12	0.25	13.857	16	33.6	56.12	16	33.6	K0	16	7064	A -8 5223
60		9.0A	3 25.075	0.0011	13	-5 34 16.67	0.007	13	0.27	25.057	16	33.6	16.79	16	33.6	K0	17	6917	A -5 5156
61		9.1A	3 26.962	-0.0002	09	-3 16 35.16	-0.025	09	0.22	26.966	16	33.6	34.74	16	33.6	A5	F 17	6918	A -3 4783
62		6.6T	3 34.090	0.0028	06	-4 13 19.41	-0.043	05	0.25	33.966	07	06.1	17.58	07	07.1	K0	GC	27880	-4 5013
63		9.0A	3 34.555	-0.0017	12	-8 38 11.89	-0.014	12	0.25	34.583	16	33.6	11.66	16	33.6	G0	16	7066	A -8 5229
64		8.9A	3 35.009	0.0006	12	-7 11 28.17	-0.087	12	0.25	34.999	16	33.6	26.75	16	33.6	G0	16	7068	A -7 5166
65		8.0A	3 36.980	-0.0024	09	-1 51 43.47	-0.064	09	0.22	37.019	16	33.6	42.42	16	33.6	F5	17	6921	A -2 5178
66		9.1A	3 37.034	0.0005	12	-9 40 9.81	-0.002	12	0.25	37.026	16	33.6	9.78	16	33.6	A2	16	7067	A -9 5354
67		9.0A	3 38.299	0.0008	12	-4 19 16.59	-0.014	12	0.25	38.286	16	33.6	16.36	16	33.6	F8	F 17	6920	A -4 5014
68		9.0A	3 43.813	0.0014	11	-2 33 7.16	0.010	11	0.23	43.791	16	33.6	7.31	16	33.6	A2	F 17	6922	A -2 5179
69		9.1A	3 44.705	0.0005	12	-8 31 4.32	0.001	12	0.25	44.696	16	33.6	4.34	16	33.6	K0	R 16	7069	A -8 5230
70		7.1T	3 57.961	-0.0004	05	-4 33 42.53	-0.006	05	0.22	57.976	07	08.7	42.27	07	04.0	A0	GC	27888	-4 5016
71		9.0A	3 59.457	0.0001	12	-7 5 55.10	0.011	12	0.25	59.456	16	33.6	55.28	16	33.6	K5	R 16	7070	A -7 5168
72		8.1A	4 2.992	0.0002	12	-7 9 33.96	-0.020	12	0.25	2.990	16	33.6	33.63	16	33.6	G5	16	7071	A -7 5169
73		8.8A	4 5.366	0.0018	12	-8 10 59.91	-0.028	12	0.25	5.337	16	33.6	59.46	16	33.6	A3	16	7072	A -8 5234
74		7.7T	4 13.080	0.0011	10	-9 3 33.21	-0.009	08	0.45	13.011	17	04.6	32.80	17	03.4	F0	GC	27898K	-9 5356
75		8.3A	4 16.491	-0.0004	09	-0 16 41.23	-0.058	11	0.22	16.497	17	36.5	40.45	17	36.5	K2	21	5061	A -0 3911
76		9.1A	4 18.271	-0.0012	12	-8 8 27.36	-0.014	12	0.25	18.291	16	33.6	27.14	16	33.6	F0	R 16	7074	A -8 5236
77		8.3A	4 19.061	-0.0010	13	-3 54 4.55	-0.013	13	0.27	19.077	16	33.6	4.34	16	33.6	F5	17	6924	A -4 5017
78		8.1A	4 21.493	-0.0006	12	-8 19 35.82	-0.005	12	0.25	21.503	16	33.6	35.74	16	33.6	F0	16	7075	A -8 5237
79		9.2A	4 23.395	-0.0009	13	-4 22 23.87	-0.006	11	0.25	23.409	16	33.6	23.78	16	33.6	M1	F 17	6925	A -4 5018
80		9.0A	4 27.187	-0.0000	09	-2 59 56.73	0.002	09	0.22	27.188	16	33.6	56.75	16	33.6	A0	F 17	6926	A -3 4786
81		8.5Q	4 34.094	0.0081	12	-1 1 7.59	-0.077	08	0.48	33.731	15	05.3	3.77	14	00.5	G5	GC	27907	-1 3894
82		9.0A	4 34.184	-0.0009	12	-6 28 52.56	-0.012	12	0.25	34.199	16	33.6	52.37	16	33.6	A0	16	7077	A -6 5374
83		9.3A	4 36.224	-0.0012	12	-8 39 30.43	-0.016	12	0.25	36.244	16	33.6	30.17	16	33.6	K5	R 16	7076	A -8 5238
84		8.5A	4 47.626	0.0018	09	-0 26 11.58	-0.014	11	0.22	47.602	17	36.5	11.39	17	36.5	A0	21	5065	A -0 3913
85		9.0A	4 48.746	-0.0010	12	-6 27 57.10	0.002	12	0.25	48.763	16	33.6	57.14	16	33.6	K0	16	7078	A -6 5376
86		9.3A	4 55.303	-0.0011	12	-6 55 29.06	0.002	12	0.25	55.321	16	33.6	29.10	16	33.6	K2	16	7079	A -7 5174
87		9.0A	5 1.780	0.0019	13	-3 44 11.43	0.005	13	0.27	1.749	16	33.6	11.51	16	33.6	F8	F 17	6927	A -4 5021
88		9.1A	5 7.910	0.0001	12	-9 8 57.54	0.010	12	0.25	7.908	16	33.6	57.70	16	33.6	F5	16	7080	A -9 5363
89		8.8A	5 8.472	-0.0006	11	-4 16 44.30	0.005	11	0.23	8.482	16	33.6	44.38	16	33.6	A0	17	6928	A -4 5022
90		8.8A	5 12.504	-0.0007	12	-9 30 4.20	-0.010	12	0.25	12.515	16	33.6	4.03	16	33.6	A5	16	7081	A -9 5364
91		9.0A	5 13.107	-0.0002	12	-8 28 6.92	-0.031	12	0.25	13.111	16	33.6	6.41	16	33.6	G0	16	7082	A -8 5242
92		8.4A	5 15.720	0.0024	13	-2 24 26.87	0.003	13	0.27	15.681	16	33.6	26.92	16	33.6	K6	F 17	6929	A -2 5184
93		8.7A	5 21.841	0.0007	12	-7 23 4.75	-0.011	12	0.25	21.830	16	33.6	4.57	16	33.6	F0	16	7083	A -7 5175
94		9.0A	5 23.826	0.0009	11	-7 22 30.25	-0.019	11	0.23	23.812	16	33.6	29.94	16	33.6	K0	R 16	7084	A -7 5176
95		6.0T	5 26.899	0.0075	03	-0 49 24.60	-0.068	03	0.19	26.469	09	92.9	20.88	09	95.5	G5	GC	27930	B* -1 3899
96		6.9T	5 26.973	0.0004	05	-6 54 26.15	-0.014	05	0.30	26.953	07	97.2	25.41	07	96.4	B8	GC	27931	-7 5177
97		9.3A	5 32.344	0.0000	12	-5 54 13.83	-0.018	12	0.25	32.344	16	33.6	13.54	16	33.6	G0	R 16	7086	A -6 5360
98		8.5A	5 41.641	0.0005	12	-7 15 8.43	-0.006	12	0.25	41.633	16	33.6	8.34	16	33.6	G5	16	7087	A -7 5178
99		8.3A	5 43.087	0.0028	13	-3 32 37.21	0.009	13	0.27	43.042	16	33.6	37.36	16	33.6	K2	17	6930	A -3 4788
00		8.9A	5 44.836	0.0016	13	-4 42 37.92	0.006	13	0.27	44.810	16	33.6	38.02	16	33.6	G5	17	6931	A -4 5024

144100

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	DM NUMBER
1		8.9A	20 5 45.601	-0.0021	11	-7 33 38.16	0.004	11	0.23	45.636	16	33.6	38.23	16	33.6	GO	16	7089	A -7 5180
2		8.8A	5 45.929	0.0005	12	-8 17 11.62	0.009	12	0.25	45.920	16	33.6	11.77	16	33.6	A5	16	7088	A -8 5246
3		9.0A	5 47.493	0.0002	13	-3 6 0.49	-0.015	13	0.27	47.489	16	33.6	0.26	16	33.6	G2 F	17	6932	A -3 4790
4		7.8A	5 50.521	0.0011	09	-0 26 39.71	-0.018	11	0.22	50.506	17	36.6	39.47	17	36.6	K5	21	5069	A -0 3922
5		8.8A	5 51.749	0.0010	13	-3 48 29.44	0.003	12	0.26	51.733	16	33.6	29.50	16	33.6	A2	17	6934K	A -4 5026
6		9.0A	5 54.351	0.0019	09	-1 5 50.80	-0.042	11	0.22	54.326	17	36.6	50.24	17	36.6	G5	21	5070	A -1 3901
7		8.5A	5 54.827	-0.0009	13	-5 14 49.80	0.022	13	0.27	54.841	16	33.6	50.15	16	33.6	K0	17	6934	A -5 5169
8		8.9A	5 56.458	-0.0017	12	-3 54 23.67	-0.001	12	0.25	56.435	16	33.6	23.66	16	33.6	F6 F	17	6935	A -4 5027
9		8.2A	6 2.106	-0.0006	12	-7 10 2.22	-0.007	12	0.25	2.117	16	33.6	2.11	16	33.6	A0	16	7090	A -7 5183
10		8.1A	6 16.863	0.0002	09	-0 18 4.85	0.013	11	0.22	16.861	17	36.6	5.03	17	36.6	B9	21	5071	A -0 3926
11		9.3A	6 42.331	0.0001	12	-7 19 40.94	-0.016	12	0.25	42.330	16	33.6	40.65	16	33.6	K0	16	7091	A -7 5185
12		7.9A	6 43.829	-0.0002	11	-2 44 53.59	-0.020	11	0.23	43.865	16	33.6	53.26	16	33.6	F0	17	6936	A -3 4793
13		8.8A	6 44.757	0.0010	17	-3 25 26.35	-0.060	17	0.31	44.740	16	33.6	25.03	16	33.6	G8 F	17	6937	A -3 4792
14		8.4A	6 46.445	0.0006	13	-3 6 4.16	-0.006	13	0.27	46.435	16	33.6	4.06	16	33.6	A2	17	6938	A -3 4794
15		7.6A	6 48.143	0.0009	09	-1 25 18.38	-0.008	11	0.22	48.132	17	36.6	18.27	17	36.6	K0	21	5073	A -1 3902
16		8.7A	6 48.592	-0.0006	09	-1 47 8.60	-0.036	11	0.22	48.600	17	36.6	8.11	17	36.6	K0	21	5074	A -2 5188
17		9.1A	6 49.036	-0.0002	09	-1 7 24.17	-0.007	11	0.22	49.039	17	36.6	24.08	17	36.6	K0 R	21	5075	A -1 3903
18		8.6A	6 50.178	0.0003	12	-8 33 43.41	0.001	12	0.25	50.173	16	33.6	43.42	16	33.6	K0	16	7092	A -8 5249
19		8.7A	6 54.864	0.0014	12	-9 18 27.02	-0.013	12	0.25	54.841	16	33.6	26.81	16	33.6	A2	16	7093	A -9 5373
20		8.2A	6 58.935	0.0005	11	-2 32 20.63	0.002	11	0.23	58.927	16	33.6	20.65	16	33.6	A3	17	6940	A -2 5189
21		9.2A	7 4.713	-0.0137	13	-3 16 34.59	-0.027	13	0.27	4.937	16	33.6	34.16	16	33.6	K4 F	17	6941	A -3 4797
22		9.4A	7 10.173	-0.0012	12	-7 19 50.06	0.014	12	0.25	10.192	16	33.6	50.29	16	33.6	G0	16	7094	A -7 5188
23		8.8A	7 17.405	0.0028	12	-8 13 28.68	-0.156	12	0.25	17.360	16	33.6	28.12	16	33.6	G0	16	7095	A -8 5251
24		8.9A	7 25.815	0.0004	12	-8 27 25.40	-0.016	12	0.25	25.809	16	33.6	25.15	16	33.6	A3	16	7096	A -8 5253
25		8.9A	7 27.049	-0.0006	15	-9 55 34.95	0.040	17	0.31	27.059	18	33.6	35.61	16	33.6	G0 J	11	7100	A -10 5295
26		8.9A	7 29.189	0.0020	09	-4 9 41.02	0.010	09	0.22	29.156	16	33.6	41.19	16	33.6	G5	17	6942	A -4 5034
27		9.3A	7 32.203	-0.0007	12	-8 21 3.07	0.027	12	0.25	32.214	16	33.6	3.51	16	33.6	K2 R	16	7097	A -8 5255
28		9.6A	7 32.402	-0.0006	12	-7 34 36.58	-0.006	12	0.25	32.412	16	33.6	36.49	16	33.6	K0 R	16	7098	A -7 5191
29		9.2A	7 39.329	0.0001	13	-5 47 29.74	0.029	13	0.27	39.328	16	33.6	30.21	16	33.6	A2	17	6943	A -6 5390
30		9.6A	7 40.086	0.0010	12	-3 23 48.69	0.005	12	0.25	40.071	16	33.6	48.77	16	33.6	G8 F	17	6944	A -3 4801
31		9.1A	7 47.308	-0.0024	09	-9 1 4.40	0.006	09	0.22	47.347	16	33.6	4.50	16	33.6	A5	16	7100	A -9 5377
32		9.1A	7 47.848	-0.0027	09	-4 37 47.39	-0.017	09	0.22	47.893	16	33.6	47.11	16	33.6	F8 F	17	6945	A -4 5037
33		7.8T	7 49.839	-0.0025	10	-6 18 43.98	-0.008	07	0.49	49.966	15	95.7	43.53	14	91.7	G0	GC	27991	-6 5391
34		8.8A	7 52.942	0.0006	09	-0 20 12.68	-0.025	11	0.22	52.934	17	36.6	12.34	17	36.6	A2	21	5078	A -0 3932
35		9.2A	7 54.353	-0.0011	09	-1 46 35.73	-0.010	11	0.22	54.368	17	36.6	35.59	17	36.6	M8 R	21	5077	A -2 5195
36		8.8A	7 55.720	0.0011	13	-3 17 17.59	-0.018	13	0.27	55.702	16	33.6	17.29	16	33.6	F8	17	6946	A -3 4802
37		8.7A	8 9.818	0.0062	13	-2 59 22.86	-0.027	13	0.27	9.715	16	33.6	23.30	16	33.6	G0	17	6948	A -3 4803
38		9.1A	8 10.731	0.0014	12	-6 46 2.54	-0.004	12	0.25	10.709	16	33.6	2.47	16	33.6	G5	16	7102	A -7 5193
39		9.0A	8 13.707	-0.0001	09	-3 49 53.32	-0.018	09	0.22	13.709	16	33.6	51.04	16	33.6	K4 F	17	6949	A -4 5039
40		8.3A	8 15.657	0.0006	13	-3 39 19.09	-0.007	13	0.27	15.648	16	33.6	18.98	16	33.6	K0	17	6950	A -3 4804
41		8.9A	8 19.193	0.0001	09	-1 15 4.09	-0.042	11	0.22	19.191	17	36.6	3.52	17	36.6	A0	21	5079	A -1 3909
42		6.8T	8 26.031	-0.0002	07	-6 14 13.53	0.001	07	0.45	26.045	14	89.4	13.61	15	89.8	A0	GC	27997	-6 5394
43		7.8A	8 26.818	0.0002	09	-3 43 24.41	0.025	09	0.22	26.816	16	33.6	24.83	16	33.6	K0	17	6951	A -4 5042
44		6.5T	8 27.452	0.0004	08	-8 59 30.25	0.000	07	0.45	27.430	12	90.9	30.26	09	91.1	B3	GC	27998	B* -9 5382
45		9.5A	8 29.963	-0.0002	12	-8 7 5.78	-0.020	12	0.25	29.967	16	33.6	5.45	16	33.6	A3	16	7105	A -8 5263
46		9.2T	8 32.005	0.0024	10	-4 42 39.36	0.006	07	0.45	31.893	17	03.9	39.69	17	98.6	G5	GC	28004	-4 5043
47		8.1A	8 42.549	0.0011	12	-7 21 53.88	-0.004	12	0.25	42.532	16	33.6	53.81	16	33.6	G5	16	7106	A -7 5198
48		7.6B	8 43.044	-0.0011	10	-0 17 20.82	0.006	08	0.46	43.095	17	02.7	21.12	17	98.7	A0	GC	28009	-0 3935
49		9.2A	8 43.372	-0.0000	09	-0 2 10.61	-0.012	11	0.22	43.373	17	36.6	10.45	17	36.6	A2 R	21	5084	A -0 3936
50		3.4H	8 43.494	0.0024	01	-0 58 16.06	0.007	01	0.03	43.402	02	11.1	16.34	02	11.6	A0	F4	756	-1 3911
51	7.1T		20 8 44.779	0.0017	05	-0 16 32.39	-0.021	03	0.23	44.700	10	04.4	31.23	10	94.7	F0	GC	28011	B* -0 3937
52	7.9A		8 55.743	-0.0006	12	-7 26 53.66	-0.036	12	0.25	55.754	16	33.6	53.07	16	33.6	K2	16	7107	A -7 5200
53	8.6B		8 56.087	0.0019	09	-6 17 59.05	-0.008	07	0.43	56.000	15	03.3	58.66	15	99.3	F5	GC	28016K	-6 5397
54	9.5A		8 59.411	-0.0009	12	-8 22 39.66	0.011	12	0.25	59.426	16	33.6	39.85	16	33.6	K5 R	16	7109	A -8 5266
55	9.0A		9 0.640	-0.0012	12	-7 6 31.12	-0.018	12	0.25	0.661	16	33.6	30.82	16	33.6	K2	16	7111	A -7 5202
56	8.8T		9 1.778	0.0026	09	-4 44 23.89	-0.023	05	0.41	1.654	18	02.6	22.53	15	90.1	A0	GC	28020K	B* -5 5181
57	8.8A		9 1.980	0.0008	12	-8 40 53.32	0.017	12	0.25	1.967	16	33.6	53.60	16	33.6	G0	16	7110	A -8 5267
58	8.9A		9 3.434	0.0065	12	-6 17 2.89	0.025	12	0.25	3.327	16	33.6	3.30	16	33.6	F5	16	7112	A -6 5399
59	9.0A		9 6.057	-0.0018	09	-0 11 16.77	-0.099	11	0.22	6.082	17	36.6	15.44	17	36.6	G5 R	21	5088	A -0 3939
60	9.2A		9 6.871	0.0001	12	-7 39 47.94	-0.002	12	0.25	6.870	16	33.6	47.92	16	33.6	G5	16	7113	A -7 5203
61	8.9A		9 11.511	0.0013	12	-7 39 0.34	0.064	12	0.25	11.491	16	33.6	1.39	16	33.6	F8	16	7114	A -7 5204
62	9.0A		9 23.293	-0.0005	12	-7 6 17.85	0.011	12	0.25	23.301	16	33.6	18.03	16	33.6	K0	16	7115	A -7 5205
63	9.2A		9 26.369	-0.0001	12	-8 27 9.82	0.000	12	0.25	26.370	16	33.6	9.82	16	33.6	K0 R	16	7116	A -8 5270
64	7.2T		9 33.385	-0.0006	16	-8 14 31.43	-0.015	10	0.64	33.413	21	05.5	30.71	19	00.8	F8	GC	28034K	B* -8 5272
65	9.4A		9 36.675	-0.0000	12	-9 0 5.08	0.032	13	0.26	36.675	16	33.6	5.60	16	33.6	G0	16	7118	A -9 5389
66	9.4A		9 43.783	-0.0012	12	-8 40 52.16	0.001	12	0.25	43.803	16	33.6	52.18	16	33.6	K5 R	16	7119	A -8 5273
67	9.0A		9 47.901	0.0001	13	-5 36 52.81	0.004	13	0.27	47.900	16	33.6	52.89	16	33.6	A0	17	6954	A -5 5183
68	8.9A		9 50.439	-0.0003	12	-9 51 16.27	-0.005	12	0.25	50.445	16	33.6	16.19	16	33.6	A5	16	7120	A -10 5308
69	8.8A		9 54.369	-0.0006	12	-7 50 25.51	0.001	12	0.25	54.380	16	33.6	25.53	16	33.6	K R	16	7122	A -8 5276
70	6.9T		9 58.510	0.0004	14	-6 31 0.33	-0.015	12	0.73	58.490	17	96.1	59.51	17	94.5	A0	GC	28045	-6 5403
71	8.2A		10 0.722	-0.0021	12	-7 42 7.07	-0.039	12	0.25	0.757	16	33.6	6.43	16	33.6	F2	16	7124	A -7 5207
72	8.8A		10 0.899	-0.0020	12	-7 19 33.67	-0.021	12	0.25	0.932	16	33.6	33.35	16	33.6	F5	16	7125	A -7 5208
73	6.9T		10 10.586	-0.0005	08	-3 8 49.34	0.002	07	0.45	10.613	14	92.0	49.49	12	90.0	A0	GC	28054K	B* -3 4817
74	7.9A		10 13.284	-0.0004	12	-7 36 32.96	-0.002	12	0.25	13.270	16	33.6	32.93	16	33.6	G5	16	7126	A -7 5211
75	8.9A		10 13.427	0.0004	12	-5 59 23.16	-0.025	12	0.25	13.421	16	33.6	22.75	16	33.6	K0	16	7127	A -6 5407
76	8.9A		10 28.978	-0.0018	09	-4 27 44.58	0.007	09	0.22	27.007	16	33.6	44.70	16	33.6	K8 F	17	6956	A -4 5054
77	6.7T		10 30.200	-0.0017	07	-0 28 55.87	-0.000	08	0.45	30.296	15	92.3	55.87	15	95.2	K5	GC	28061	-0 3942
78	9.2A		10 34.393	-0.0000	12	-5 55 27.95	-0.001	12	0.25	34.394	16	33.6	27.91	16	33.6	A3	16	7128	A -6 5408
79	9.2A		10 36.128	-0.0004	09	-3 24 58.39	-0.008	09	0.22	36.135	16	33.6	58.25	16	33.6	A8 F	17	6957	A -3 4818
80	8.8A		10 38.056	-0.0001	11	-7 14 57.62	-0.010	11	0.23	38.058	16	33.6	57.46	16	33.6	K0	16	7129	A -7 5216
81	5.6T		10 38.946	0.0013	03	-1 9 37.85	-0.026	03	0.15	38.888	06	06.4	36.70	06	06.3	K2	GC	28068	B* -1 3920
82	9.1A		10 42.014	0.0007	11	-8 36 10.18	-0.004	11	0.23	42.002	16	33.6	10.11	16	33.6	A0	16	7130	A -8 5279
83	8.2A		10 54.998	0.0037	09	-1 21 45.80	-0.059	11	0.22	54.938	17	36.6	45.01	17	36.6	K0	21	5094	A -1 3921
84	9.0A		10 56.831	-0.0028	12	-7 4 28.13	0.008	12	0.25	56.875	16	33.6	28.26	16	33.6	G5	16	7132	A -7 5218
85	9.0A		10 58.062	-0.0012	12	-9 18 57.63	0.006	12	0.25	58.082	16	33.6	57.73	16	33.6	K0	16	7131	A -9 5395
86	8.9A		11 0.595	-0.0002	09	-4 59 35.59	-0.012	09	0.22	0.598	16	33.6	35.40	16	33.6	A3	17	6958	A -5 5189
87	9.0A		11 16.820	-0.0013	09	-0 19 59.88	-0.009	11	0.22	16.838	17	36.6	59.76	17	36.6	G0	21	5096	A -0 3945
88	7.6A		11 17.002	0.0018	12	-9 46 12.53	-0.005	12	0.25	16.977	16	33.6	12.45	16	33.6	A0	16	7133	A -10 5322
89	8.6A		11 19.454	0.0002	09	-4 28 27.12	-0.030	09	0.22	19.452	16	33.6	26.63	16	33.6	A0	17	6959	A -4 5059
90	9.2A		11 20.467	-0.0009	09	-0 49 22.76	-0.032	11	0.22	20.479	17	36.6	22.32	17	36.6	F8	21	5097	A -1 3924
91	9.0A		11 20.660	0.0003	09	-3 38 30.58	-0.015	09	0.22	20.655	16	33.6	30.34	16	33.6	K2 F	17	6960	A -3 4820
92	8.1T		11 25.359	-0.0038	09	-1 1 22.07	0.273	09	0.44	25.527	14	05.4	35.02	17	02.5	K0	GC	28080K	-1 3925
93	8.9A		11 26.666	0.0004	09	-4 59 25.11	0.005	09	0.22	26.659	16	33.6	25.20	16	33.6	F8	17	6961	A -5 5190
94	9.1A		11 30.740	-0.0002	11	-8 7 45.14	0.004	11	0.23	30.744	16	33.6	45.21	16	33.6	MA R	16	7134	A -8 5282
95	9.1A		11 31.189	0.0009	09	-1 46 3.67	0.007	09	0.22	31.175	16	33.6	3.78	16	33.6	K0 R	17	6963	A -2 5204
96	8.8A		11 32.902	0.0006	12	-7 9 48.95	-0.011	12	0.25	32.893	16	33.6	48.77	16	33.6	K5	16	7135	A -7 5221
97	9.1A		11 34.197	-0.0004	09	-5 47 52.63	0.004	09	0.22	34.204	16	33.6	52.70	16	33.6	G0	17	6962	A -6 5410
98	9.2A		11 38.204	0.0008	12	-8 9 45.57	-0.014	12	0.25	38.191	16	33.6	45.35	16	33.6	K0 R	16	7137	A -8 5283
99	7.3T		11 44.422	0.0017	08	-6 12 0.09	0.005	05	0.42	44.326	15	92.0	0.44	14	83.6	F0	GC	28092K	-6 5411
00	8.8A		11 44.632	-0.0001	09	-2 18 29.68	-0.011	09	0.22	44.634	16	33.6	29.50	16	33.6	A0	17	6964	A -2 5205

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NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	SOURCE CAT.	STAR NUMBER	DM NUMBER
1		9.0A	20 11 45.392	-0.0010	12	-6 11 45.74	-0.010	12	0.25	45.408	16	33.6	45.59	16	33.6		16	7139	A -6 5412
2		8.5Q	11 46.185	0.0019	10	-0 0 29.94	0.014	08	0.48	46.095	17	03.3	30.63	17	00.9	A5	GC	28093	-0 3949
3		8.4A	11 50.123	0.0012	12	-6 49 34.51	-0.001	12	0.25	50.104	16	33.6	34.50	16	33.6	K0	16	7141	A -7 5224
4		9.3A	11 50.535	0.0011	12	-9 24 40.50	-0.047	12	0.25	50.517	16	33.6	39.74	16	33.6	F8	16	7140	A -9 5398
5		9.0A	11 56.610	-0.0003	09	-1 21 14.74	-0.008	11	0.22	56.615	17	36.6	14.63	17	36.6	F5	21	5102	A -1 3929
6		9.0A	11 58.965	-0.0003	09	-1 24 58.33	-0.023	11	0.22	58.969	17	36.6	58.01	17	36.6	K2 R	21	5103	A -1 3930
7		9.2A	12 4.425	0.0006	12	-9 30 15.11	0.016	12	0.25	4.415	16	33.6	15.37	16	33.6	K0	16	7142	A -9 5401
8		8.5A	12 16.703	-0.0003	09	-1 17 42.51	-0.013	11	0.22	16.707	17	36.6	42.34	17	36.6	K0	21	5104	A -1 3933
9		8.0A	12 19.908	-0.0011	09	-4 43 50.28	-0.019	09	0.22	19.926	16	33.6	49.97	16	33.6	MB	17	6965	A -5 5194
10		9.8A	12 31.087	-0.0041	15	-6 18 16.84	-0.013	15	0.29	31.154	16	33.6	16.63	16	33.6	K R	16	7143	A -6 5419
11		8.8A	12 32.714	-0.0034	09	-3 39 30.88	-0.053	09	0.22	32.770	16	33.6	30.02	16	33.6	F2 R	17	6966	A -3 4824
12		6.6T	12 33.495	-0.0032	07	-3 39 22.39	-0.064	05	0.38	33.683	14	91.0	18.32	12	85.9	F0	GC	28121K	-3 4825
13		8.5A	12 34.301	-0.0010	12	-7 35 35.48	0.018	12	0.25	34.317	16	33.6	35.77	16	33.6	K5	16	7144	A -7 5228
14		9.1A	12 35.895	-0.0008	12	-9 4 38.23	0.016	12	0.25	35.908	16	33.6	38.50	16	33.6	K0	16	7145	A -9 5403
15		8.5A	12 37.065	0.0020	11	-6 24 51.79	0.013	11	0.23	37.033	16	33.6	52.00	16	33.6	G5	16	7146	A -6 5421
16		9.5A	12 39.084	0.0006	09	-1 44 39.98	-0.005	09	0.22	39.074	16	33.6	39.89	16	33.6	F5 F	17	6968	A -2 5210
17		8.4A	12 39.789	-0.0022	09	-2 14 6.21	-0.053	09	0.22	39.826	16	33.6	5.34	16	33.6	F8	17	6969	A -2 5211
18		9.2A	12 41.476	-0.0010	12	-9 9 53.44	0.012	12	0.25	41.493	16	33.6	53.63	16	33.6	A3	16	7147	A -9 5404
19		7.0T	12 44.077	0.0018	12	-5 41 25.17	0.004	12	0.67	43.982	15	96.6	25.40	15	97.2	A2	GC	28126	-5 5196
20		8.5A	12 45.836	0.0008	09	-2 52 59.95	0.012	09	0.22	45.823	16	33.6	0.14	16	33.6	K4 F	17	6971	A -3 4828
21		6.7T	12 47.112	-0.0004	14	-7 41 6.37	0.011	12	0.72	47.135	17	95.7	6.97	15	97.2	A2	GC	28129	-7 5229
22		8.6A	12 52.017	-0.0006	12	-7 56 18.60	-0.018	12	0.25	52.027	16	33.6	18.31	16	33.6	K5	16	7150	A -8 5288
23		9.0A	12 58.314	0.0018	13	-3 8 52.55	-0.005	13	0.27	58.285	16	33.6	52.48	16	33.6	F0 F	17	6972	A -3 4830
24		9.3A	13 3.464	-0.0006	09	-0 52 8.55	-0.002	11	0.22	3.472	17	36.6	8.52	17	36.6	K0 R	21	5106	A -1 3934
25		7.9Q	13 6.729	0.0003	10	-2 43 6.59	0.014	08	0.49	6.711	15	96.7	7.30	14	97.5	A0	GC	28138	-2 5213
26		9.3A	13 10.467	-0.0001	11	-3 7 55.54	0.015	11	0.23	10.468	16	33.6	55.78	16	33.6	K5 F	17	6974	A -3 4833
27		9.0A	13 23.256	-0.0005	09	-2 51 24.66	0.006	09	0.22	23.265	16	33.6	24.76	16	33.6	K5 F	17	6975	A -3 4834
28		8.4A	13 27.045	0.0000	12	-7 53 10.81	-0.017	12	0.25	27.044	16	33.6	10.53	16	33.6	B9	16	7152	A -8 5295
29		8.2A	13 27.119	0.0003	12	-9 44 25.52	0.012	12	0.25	27.114	16	33.6	25.72	16	33.6	K5	16	7151	A -10 5333
30		9.3A	13 27.504	-0.0001	12	-8 12 3.86	-0.008	12	0.25	27.505	16	33.6	3.73	16	33.6	F0	16	7153	A -8 5294
31		7.5T	13 50.633	-0.0012	12	-1 39 16.06	-0.038	10	0.61	50.697	18	96.1	13.92	15	94.3	K0	GC	28157	-1 3935
32		8.8A	13 55.888	0.0033	12	-7 46 11.94	-0.140	12	0.25	55.835	16	33.6	9.65	16	33.6	F8	16	7155	A -8 5300
33		8.5A	13 55.900	0.0208	12	-7 35 49.46	-0.134	12	0.25	55.559	16	33.6	47.26	16	33.6	F8	16	7154	A -7 5235
34		8.3A	14 0.765	0.0005	11	-1 43 37.65	0.002	11	0.23	0.757	16	33.6	37.68	16	33.6	K0	17	6977	A -2 5216
35		9.2A	14 10.078	0.0012	13	-2 13 20.60	0.009	13	0.27	10.069	16	33.6	20.74	16	33.6	K8 F	17	6978	A -2 5218
36		8.5A	14 12.637	0.0002	12	-6 59 33.90	0.003	12	0.25	12.635	16	33.6	33.96	16	33.6	K2	16	7157	A -7 5237
37		6.9T	14 12.998	-0.0005	11	-3 38 43.62	-0.103	11	0.61	13.024	15	95.2	38.04	15	95.6	F5	GC	28168	-3 4838
38		9.1A	14 14.511	0.0008	13	-5 36 30.02	0.004	13	0.27	14.498	16	33.6	30.09	16	33.6	G0	17	6979	A -5 5202
39		8.9A	14 16.083	-0.0004	12	-6 40 4.12	-0.003	12	0.25	16.089	16	33.6	4.08	16	33.6	A3	16	7159	A -6 5427
40		8.5A	14 21.253	-0.0003	12	-9 51 10.39	0.018	12	0.25	21.259	16	33.6	10.69	16	33.6	A2	16	7160	A -10 5338
41		9.0A	14 21.757	-0.0005	09	-1 38 25.03	-0.017	11	0.22	21.764	17	36.6	24.79	17	36.6	K0 R	21	5114K	A -1 3937
42		8.0A	14 23.197	0.0019	09	-1 22 0.56	-0.007	11	0.22	23.171	17	36.6	0.47	17	36.6	A0	21	5115	A -1 3938
43		9.0A	14 23.977	0.0022	09	-0 11 24.23	-0.023	11	0.22	23.947	17	36.6	23.92	17	36.6	K0 R	21	5116	A -0 3961
44		8.6A	14 26.216	-0.0016	12	-6 59 5.59	-0.043	12	0.25	26.242	16	33.6	4.89	16	33.6	K0	16	7161	A -7 5239
45		9.3A	14 27.032	-0.0002	13	-4 56 57.05	-0.009	13	0.27	27.036	16	33.6	56.91	16	33.6	A5 F	17	6982	A -5 5205
46		9.5A	14 29.051	-0.0001	13	-2 44 40.03	-0.012	13	0.27	29.053	16	33.6	39.83	16	33.6	K0 F	17	6984	A -3 4839
47		9.0A	14 30.217	-0.0021	13	-5 14 59.10	-0.050	13	0.27	30.251	16	33.6	58.27	16	33.6	G0	17	6983	A -5 5206
48		9.0A	14 32.349	-0.0012	09	-0 42 32.00	0.005	11	0.22	32.365	17	36.6	32.07	17	36.6	K5 R	21	5118	A -0 3962
49		8.7A	14 34.947	0.0006	13	-5 42 39.79	-0.004	13	0.27	34.937	16	33.6	39.73	16	33.6	F8	17	6985	A -6 5431
50		8.8A	14 38.851	0.0012	17	-3 19 9.40	0.014	15	0.30	38.832	16	33.6	9.62	16	33.6	K2 F	17	6986	A -3 4840
51		9.0A	20 14 44.945	0.0008	13	-2 1 49.94	0.010	13	0.27	44.932	16	33.6	50.10	16	33.6	A2	17	6987	A -2 5219
52		9.1A	14 48.772	-0.0001	12	-7 7 7.79	-0.021	12	0.25	48.774	16	33.6	7.45	16	33.6	G5 R	16	7163	A -7 5240
53		7.8A	14 48.881	0.0015	13	-2 13 8.06	-0.015	13	0.27	48.857	16	33.6	7.81	16	33.6	G5	17	6988	A -2 5221
54		9.0A	14 51.894	0.0006	13	-2 5 51.68	0.005	13	0.27	51.884	16	33.6	51.76	16	33.6	A0	17	6989	A -2 5222
55		9.1A	14 51.986	-0.0013	12	-8 20 15.53	-0.002	12	0.25	52.007	16	33.6	15.50	16	33.6	K0	16	7164	A -8 5302
56		8.3A	14 57.004	0.0023	12	-6 33 36.78	0.011	12	0.25	56.968	16	33.6	36.96	16	33.6	G5	16	7165	A -6 5433
57		9.4A	14 59.023	0.0010	12	-8 13 10.36	0.029	12	0.25	59.008	16	33.6	10.84	16	33.6	F2 R	16	7166	A -8 5303
58		8.7A	14 59.998	0.0016	11	-9 1 1.74	0.008	11	0.23	59.972	16	33.6	1.88	16	33.6	G5	16	7167	A -9 5417
59		9.0A	15 5.550	-0.0012	11	-6 30 33.75	-0.036	11	0.23	5.570	16	33.6	33.16	16	33.6	G0	16	7168	A -6 5434
60		7.4T	15 14.870	-0.0022	20	-8 13 17.70	0.009	18	0.85	14.965	21	07.0	18.11	21	05.9	K0	GC	28199	-8 5305
61		9.3A	15 16.816	-0.0012	13	-2 0 24.80	-0.026	13	0.27	16.836	16	33.6	24.37	16	33.6	F2 F	17	6992	A -2 5226
62		9.0A	15 17.514	0.0026	17	-5 1 36.71	-0.004	15	0.30	17.472	16	33.6	36.77	16	33.6	A8 F	17	6991	A -5 5210
63		9.0A	15 26.995	-0.0010	09	-0 15 50.45	-0.017	11	0.22	27.008	17	36.6	50.22	17	36.6	M0 R	21	5122	A -0 3964
64		9.0A	15 27.794	0.0005	12	-8 5 13.54	-0.002	12	0.25	27.785	16	33.6	13.51	16	33.6	K0 R	16	7170	A -8 5308
65		8.6A	15 28.587	0.0008	12	-6 45 24.20	0.060	12	0.25	28.573	16	33.6	25.19	16	33.6	F8	16	7171	A -7 5242
66		7.4T	15 31.662	-0.0020	12	-4 53 5.75	-0.017	11	0.66	31.770	17	95.1	4.82	18	94.4	F8	GC	28209	-5 5216
67		8.8A	15 33.297	0.0006	12	-8 28 25.78	0.013	12	0.25	33.287	16	33.6	26.00	16	33.6	A0	16	7172	A -8 5309
68		7.9A	15 34.016	0.0016	11	-6 28 8.67	-0.003	11	0.23	33.989	16	33.6	8.63	16	33.6	A5	16	7173	A -6 5440
69		8.5A	15 40.173	-0.0007	13	-2 59 6.32	0.012	13	0.27	40.184	16	33.6	6.50	16	33.6	K2 F	17	6994	A -3 4841
70		8.5A	15 43.994	0.0022	12	-2 4 18.54	0.021	12	0.25	43.959	16	33.6	18.88	16	33.6	K5	17	6995	A -2 5230
71		9.1A	15 45.960	-0.0008	11	-2 54 39.74	0.007	11	0.23	45.973	16	33.6	39.85	16	33.6	F0 F	17	6996	A -3 4842
72		9.4A	15 53.331	0.0006	11	-2 1 59.77	-0.007	11	0.23	53.322	16	33.6	59.65	16	33.6	K0 F	17	6997	A -2 5231
73		8.3A	15 56.334	-0.0034	12	-8 6 44.22	-0.046	12	0.25	56.391	16	33.6	43.47	16	33.6	F8	16	7174	A -8 5312
74		9.6A	16 9.953	-0.0006	12	-7 55 33.71	-0.018	12	0.25	9.963	16	33.6	33.42	16	33.6	K R	16	7175	A -8 5313
75		9.0A	16 10.838	0.0003	12	-7 2 17.73	-0.046	12	0.25	10.833	16	33.6	16.98	16	33.6	G0	16	7177	A -7 5244
76		8.8A	16 11.834	-0.0014	12	-8 25 37.10	0.005	12	0.25	11.857	16	33.6	37.19	16	33.6	G5	16	7176	A -8 5315
77		9.0A	16 12.887	-0.0019	09	-0 54 50.72	-0.073	11	0.22	12.912	17	36.6	49.74	17	36.6	A0	21	5125	A -1 3947
78		7.6A	16 16.288	-0.0012	12	-6 47 42.18	-0.078	12	0.25	16.307	16	33.6	40.91	16	33.6	G5	16	7178	A -7 5246
79		8.7A	16 21.137	0.0008	11	-4 26 54.52	-0.039	11	0.23	21.124	16	33.6	53.89	16	33.6	K0	17	6998	A -4 5087
80		9.0A	16 22.114	-0.0030	09	-1 29 46.33	-0.030	11	0.22	22.155	17	36.6	45.93	17	36.6	K2 R	21	5126	A -1 3949
81		9.0A	16 23.284	-0.0012	11	-7 27 23.63	0.019	11	0.23	23.304	16	33.6	23.95	16	33.6	K0	16	7179	A -7 5247
82		8.9A	16 23.328	-0.0004	12	-7 22 0.18	0.007	12	0.25	23.335	16	33.6	0.29	16	33.6	G5	16	7180	A -7 5248
83		9.3A	16 27.141	0.0014	13	-2 28 41.04	0.020	13	0.27	27.119	16	33.6	41.36	16	33.6	K0 F	17	6999	A -2 5232
84		8.9A	16 31.801	-0.0012	12	-7 7 3.47	-0.009	12	0.25	31.820	16	33.6	3.32	16	33.6	K2	16	7181	A -7 5250
85		9.1A	16 33.711	-0.0002	11	-4 58 18.46	-0.004	11	0.23	33.715	16	33.6	18.40	16	33.6	A0	17	7000	A -5 5224
86		9.2A	16 33.763	0.0008	13	-1 53 31.70	-0.045	13	0.27	33.750	16	33.6	30.96	16	33.6	F5 F	17	7002	A -2 5234
87		8.7A	16 33.825	0.0003	12	-6 0 1.97	0.004	12	0.25	33.820	16	33.6	2.04	16	33.6	A5	16	7182	A -6 5448
88		8.8A	16 34.333	0.0002	13	-3 48 45.24	-0.006	13	0.27	34.330	16	33.6	45.14	16	33.6	K3 F	17	7001	A -4 5089
89		9.0A	16 40.667	0.0003	09	-7 33 5.99	0.011	09	0.22	40.662	16	33.6	6.17	16	33.6	K5	16	7183	A -7 5251
90		8.4A	16 42.050	-0.0011	13	-3 54 42.23	0.009	13	0.27	42.067	16	33.6	42.38	16	33.6	F5	17	7003	A -4 5090
91		8.3A	16 48.719	-0.0004	11	-3 17 22.37	-0.035	11	0.23	48.727	16	33.6	21.79	16	33.6	F8	17	7004	A -3 4848
92		8.7A	16 53.662	0.0008	09	-2 17 0.47	-0.001	09	0.22	53.650	16	33.6	0.45	16	33.6	K5	17	7005	A -2 5236
93		9.3A	17 0.486	0.0018	12	-7 24 38.13	-0.001	12	0.25	0.457	16	33.6	38.11	16	33.6	G0	16	7184	A -7 5255
94		9.0A	17 0.669	0.0016	09	-3 35 23.76	-0.026	09	0.22	0.643	16	33.6	23.34	16	33.6	A0	17	7006	A -3 4849
95		8.8A	17 3.925	-0.0018	12	-8 36 31.73	-0.154	12	0.25	3.955	16	33.6	29.21	16	33.6	G0	16	7185	A -8 5318
96		6.2T	17 8.227	0.0026	07	-1 14 13.64	0.035	07	0.40	8.090	12	98.0	15.47	12	97.4	K0	GC	28256	-1 3951
97		9.2A	17 9.654	0.0011	09	-1 43 56.19	-0.026	11	0.22	9.640	17	36.6	55.83	17	36.6	F8 R	21	5129	A -2 5238
98		9.2A	17 10.100	-0.0001	12	-7 38 56.29	-0.047	12	0.25	10.102	16	33.6	55.52	16	33.6	G0	16	7186	A -7 5256
99		8.2A	17 12.736	-0.0012	09	-1 3 54.51	-0.037	11	0.22	12.752	17	36.6	54.01	17	36.6	A2	21	5131	A -1 3952
00		9.0A	17 13.371	-0.0018	09	-0 26 55.61	-0.032	11	0.22	13.395	17	36.6	55.18	17	36.6	M0 R	21	5132	A -0 3969

144300

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	EPOCH 1950 μ s	EPOCH 1950 σ_μ ″.001	EPOCH 1950 δ_{1950} ° ′ ″	EPOCH 1950 μ' ″	EPOCH 1950 $\sigma_{\mu'}$ ″.001	EPOCH 1950 σ_{1950} ″	ORIGINAL EPOCH α_2 s	ORIGINAL EPOCH σ ″.01	ORIGINAL EPOCH ep.	ORIGINAL EPOCH δ_2 ″	ORIGINAL EPOCH σ' ″.01	ORIGINAL EPOCH ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	− 0° 20H DM NUMBER
1		9.0A	20 17 16.108	0.0022	13	-2 23 58.47	-0.015	13	0.27	16.073	16	33.6	58.22	16	33.6		17	7008	A -2 5239
2		8.0A	17 16.328	-0.0045	09	-1 27 30.55	0.001	11	0.22	16.328	17	36.6	30.56	17	36.6	K2	21	5133	A -1 3953
3		8.0B	17 16.650	0.0006	08	-2 24 20.31	0.019	05	0.38	16.617	14	97.1	21.44	14	89.2	A0	GC	28262	-2 5240
4		9.2A	17 16.698	-0.0002	11	-3 11 44.87	-0.030	11	0.23	16.702	16	33.6	44.38	16	33.6	K2 F	17	7007	A -3 4650
5		9.6A	17 17.659	-0.0034	12	-7 55 27.41	-0.070	12	0.25	17.715	16	33.6	26.27	16	33.6	K0 R	16	7187	A -8 5319
6		7.4B	17 18.277	-0.0003	05	-0 48 13.59	0.012	04	0.24	18.290	10	01.8	14.22	09	96.2	K2	GC	28265	-1 3954
7		9.3A	17 23.249	-0.0003	12	-5 37 24.85	0.013	12	0.25	23.253	16	33.6	25.07	16	33.6	K0	17	7010	A -5 5228
8		9.3A	17 26.988	0.0010	11	-3 18 49.72	0.009	11	0.23	26.971	16	33.6	49.87	16	33.6	K0 F	17	7011	A -3 4851
9		9.1A	17 27.926	0.0006	11	-9 22 13.41	0.014	11	0.23	27.916	16	33.6	13.64	16	33.6	G5	16	7189	A -9 5432
10		8.5A	17 27.947	-0.0031	09	-0 43 5.76	-0.085	11	0.22	27.988	17	36.6	4.89	17	36.6	K0	21	5135	A -0 3972
11		9.0A	17 34.486	0.0037	12	-7 34 10.32	-0.044	12	0.25	34.426	16	33.6	9.60	16	33.6	K0	16	7190	A -7 5258
12		8.7A	17 39.354	-0.0006	13	-5 49 59.80	-0.007	13	0.27	39.364	16	33.6	59.70	16	33.6	K0	17	7012	A -6 5450
13		6.7T	17 44.456	-0.0053	06	-6 35 9.33	-0.083	04	0.23	45.715	06	01.3	5.39	06	02.4	K5	GC	28278	-6 5451
14		9.1A	17 50.157	0.0006	12	-9 7 57.15	0.027	12	0.25	50.149	16	33.6	57.59	16	33.6	K0	16	7193	A -9 5433
15		9.0A	17 52.696	0.0007	12	-9 21 13.33	0.019	12	0.25	52.685	16	33.6	13.65	16	33.6	A0	16	7194	A -9 5434
16		9.2A	17 54.986	-0.0028	09	-2 32 4.96	-0.030	09	0.22	54.913	16	33.6	4.47	16	33.6	F6 F	17	7013	A -2 5246
17		8.9A	17 57.319	0.0008	12	-9 32 6.68	0.006	12	0.25	57.304	16	33.6	6.78	16	33.6	G5	16	7195	A -9 5437
18		9.4A	17 58.935	0.0005	12	-7 59 44.67	0.003	12	0.25	58.927	16	33.6	44.72	16	33.6		16	7196	A -8 5321
19		9.0A	18 1.567	0.0011	13	-5 18 45.40	-0.010	13	0.27	1.549	16	33.6	45.24	16	33.6		17	7014	A -5 5232
20		8.7A	18 2.656	-0.0002	12	-5 41 32.50	0.014	12	0.25	2.659	16	33.6	32.74	16	33.6	K0	17	7015	A -5 5233
21		8.9A	18 10.846	0.0017	11	-7 3 8.31	0.001	11	0.23	10.818	16	33.6	8.34	16	33.6	G0	16	7200	A -7 5260
22		8.4A	18 12.072	-0.0006	12	-9 30 35.89	-0.022	12	0.25	12.082	16	33.6	35.53	16	33.6	K2	16	7199	A -10 5356
23		9.0A	18 13.738	-0.0041	12	-7 19 22.08	-0.065	12	0.25	13.805	16	33.6	21.01	16	33.6	G0	16	7201	A -7 5263
24		9.2A	18 14.023	0.0013	13	-5 39 16.25	0.001	13	0.27	14.002	16	33.6	16.27	16	33.6	A0	17	7016	A -5 5234
25		8.8A	18 18.426	-0.0011	09	-1 36 57.45	-0.033	11	0.22	18.441	17	36.6	57.00	17	36.6	K0 R	21	5139	A -1 3959
26		8.9A	18 23.436	-0.0006	09	-0 3 55.07	-0.007	11	0.22	23.444	17	36.6	54.98	17	36.6	F0	21	5140	A -0 3977
27		9.0A	18 25.387	0.0015	09	-2 59 28.71	0.016	09	0.22	25.363	16	33.6	28.97	16	33.6	F8	17	7018	A -3 4856
28		7.6T	18 28.841	0.0003	08	-6 30 50.43	-0.097	07	0.42	28.827	14	98.6	45.26	14	96.6	G5	GC	28301	-6 5455
29		9.1A	18 38.410	0.0013	11	-1 47 25.53	-0.008	11	0.23	38.389	16	33.6	25.39	16	33.6	K0 R	17	7019	A -2 5254
30		9.2A	18 38.510	0.0003	12	-8 45 52.65	0.045	12	0.25	38.505	16	33.6	53.39	16	33.6	K2 R	16	7204	A -9 5440
31		9.1A	18 47.307	0.0017	12	-6 43 47.41	-0.005	12	0.25	47.279	16	33.6	47.33	16	33.6	F8	16	7205	A -7 8267
32		8.8A	18 48.372	-0.0004	09	-2 10 21.82	0.011	09	0.22	48.379	16	33.6	22.00	16	33.6	A5	17	7021	A -2 5256
33		9.2A	18 48.417	-0.0009	13	-5 44 22.04	-0.036	13	0.27	48.432	16	33.6	21.46	16	33.6	F R	17	7020	A -6 5457
34		8.9A	18 51.239	-0.0002	13	-3 33 53.13	0.015	13	0.27	51.243	16	33.6	53.39	16	33.6	A0	17	7022	A -3 4860
35		9.4A	18 55.590	-0.0005	12	-8 2 2.89	0.007	12	0.25	55.599	16	33.6	3.00	16	33.6	G0	16	7207	A -8 5329
36		9.2A	18 59.772	-0.0023	09	-4 39 52.86	-0.029	09	0.22	59.809	16	33.6	52.39	16	33.6	K5 F	17	7023	A -4 5104
37		8.5A	19 0.513	0.0044	12	-7 54 55.54	-0.002	12	0.25	0.442	16	33.6	55.52	16	33.6	F8	16	7208	A -8 5330
38		8.0A	19 1.337	-0.0011	11	-4 57 55.19	-0.008	11	0.23	1.354	16	33.6	55.06	16	33.6	F5	17	7024	A -5 5239
39		8.7A	19 6.671	-0.0014	12	-7 16 48.33	-0.005	12	0.25	6.694	16	33.6	48.25	16	33.6	K2	16	7209	A -7 5268
40		9.2A	19 7.810	0.0006	13	-4 33 21.54	-0.009	13	0.27	7.800	16	33.6	21.40	16	33.6	K5 F	17	7025	A -4 5105
41		8.2B	19 14.159	0.0014	10	-6 43 34.91	-0.004	09	0.50	14.093	17	01.9	34.72	17	99.7	F0	GC	28313	-7 5269
42		9.5A	19 17.982	-0.0030	11	-3 22 28.60	-0.241	11	0.23	18.032	16	33.6	24.64	16	33.6	G5 F	17	7027	A -3 4864
43		8.7A	19 18.775	0.0020	13	-5 50 35.32	-0.001	13	0.27	18.772	16	33.6	35.31	16	33.6	A0	17	7026	A -6 5458
44		8.8A	19 23.408	-0.0006	09	-0 27 16.59	-0.008	11	0.22	23.416	17	36.6	16.48	17	36.6	K2 R	21	5143	A -0 3981
45		9.4A	19 32.486	-0.0001	11	-7 30 41.15	-0.017	11	0.23	32.488	16	33.6	40.88	16	33.6	A2	16	7212	A -7 5271
46		9.1A	19 36.272	-0.0001	09	-3 13 59.78	-0.010	09	0.22	36.273	16	33.6	59.63	16	33.6	A2	17	7029	A -3 4865
47		8.5A	19 36.321	0.0008	11	-3 47 43.76	0.026	11	0.23	36.308	16	33.6	44.19	16	33.6	K2	17	7028	A -4 5108
48		8.9A	19 37.797	-0.0020	09	-0 21 39.55	-0.022	11	0.22	37.825	17	36.6	39.26	17	36.6	K0 R	21	5146	A -0 3982
49		9.0A	19 38.199	-0.0030	09	-3 30 44.54	-0.070	09	0.22	38.248	16	33.6	43.40	16	33.6	G0	17	7030	A -3 4866
50		9.0A	19 38.270	0.0039	09	-1 3 44.55	-0.018	11	0.22	38.218	17	36.6	44.31	17	36.6	G0	21	5145	A -1 3964
51		9.2A	20 19 42.683	0.0014	12	-8 0 42.24	0.026	12	0.25	42.660	16	33.6	42.67	16	33.6	G0	16	7213	A -8 5333
52		9.3A	19 43.972	0.0006	14	-0 21 39.84	-0.047	14	0.28	43.965	17	36.6	39.21	17	36.6	K R	21	5147	A* -0 3983
53		9.0A	19 45.136	-0.0065	11	-8 3 3.35	-0.006	11	0.23	45.242	16	33.6	3.26	16	33.6	K0	16	7214	A -8 5334
54		8.3A	19 52.635	-0.0011	09	-9 10 31.11	0.001	09	0.22	52.654	16	33.6	31.12	16	33.6	A0	16	7215	A -9 5444
55		7.9T	19 52.706	0.0027	12	-8 59 9.75	0.007	10	0.56	52.582	19	03.7	10.10	18	01.6	A3	GC	28323	-9 5445
56		9.0A	19 56.721	-0.0013	11	-5 25 32.18	-0.016	11	0.23	56.743	16	33.6	31.91	16	33.6	K5	17	7031	A -5 5242
57		8.0A	20 1.353	-0.0002	09	-5 14 31.98	0.006	09	0.22	1.356	16	33.6	32.07	16	33.6	K2	17	7032	A -5 5245
58		9.0A	20 5.082	0.0019	11	-3 8 17.15	0.012	11	0.23	5.051	16	33.6	17.34	16	33.6	G8 F	17	7033	A -3 4869
59		9.2A	20 10.670	-0.0003	12	-7 51 10.79	0.007	12	0.25	10.675	16	33.6	10.90	16	33.6	K0	16	7217	A -8 5336
60		9.5A	20 14.417	0.0001	13	-5 37 39.04	-0.019	13	0.27	14.416	16	33.6	38.74	16	33.6	MA R	17	7034	A -5 5247
61		6.3T	20 17.644	0.0028	08	-9 48 57.27	-0.020	09	0.47	17.507	15	00.8	56.24	15	98.4	G5	GC	28332	-10 5369
62		9.2A	20 20.025	0.0011	12	-7 58 18.93	0.002	12	0.25	20.007	16	33.6	18.96	16	33.6	F5	16	7220	A -8 5337
63		8.2B	20 20.197	0.0008	10	-5 50 13.53	0.006	09	0.47	20.160	15	02.9	13.84	15	01.6	A2	GC	28334	-6 5462
64		9.4A	20 22.905	-0.0023	12	-7 58 52.57	0.001	12	0.25	22.943	16	33.6	52.60	16	33.6	K0 R	16	7222	A -8 5338
65		8.8A	20 25.634	0.0008	09	-2 56 0.83	0.017	09	0.22	23.621	16	33.6	1.10	16	33.6	K0	17	7036	A -3 4873
66		7.6A	20 30.806	0.0001	09	-3 58 24.02	0.005	09	0.22	30.805	16	33.6	24.11	16	33.6	K0	17	7037	A -4 5110
67		9.3A	20 31.582	0.0007	12	-6 6 1.43	-0.014	12	0.25	31.571	16	33.6	1.21	16	33.6	A0	16	7223	A -6 5463
68		9.2A	20 44.840	0.0047	11	-3 39 18.81	0.028	09	0.22	44.763	16	33.6	19.28	16	33.6	K2 F	17	7038	A -3 4875
69		7.5A	20 44.892	-0.0017	09	-0 36 50.62	-0.021	11	0.22	44.915	17	36.6	50.53	17	36.6	MA	21	5150	A -0 3991
70		8.5A	20 54.132	-0.0008	11	-7 57 9.93	0.010	11	0.23	54.145	16	33.6	10.10	16	33.6	F8	16	7224	A -8 5340
71		9.4A	20 58.392	0.0003	09	-2 1 18.92	-0.034	09	0.22	58.388	16	33.6	18.36	16	33.6	A2 F	17	7041	A -2 5264
72		6.6T	20 58.880	0.0110	10	-5 25 40.23	0.007	09	0.49	58.329	14	99.8	40.54	14	02.7	F5	GC	28357	-5 5253
73		9.2A	20 59.525	0.0035	09	-3 24 51.52	-0.006	09	0.22	59.468	16	33.6	51.42	16	33.6	G5 F	17	7040	A -3 4876
74		8.6A	21 4.289	-0.0009	09	-1 13 54.53	-0.030	11	0.22	4.302	17	36.6	54.13	17	36.6	A0	21	5151	A -1 3968
75		9.0A	21 4.795	-0.0005	12	-8 56 9.87	-0.002	12	0.25	4.803	16	33.6	9.84	16	33.6	A2	16	7225	A -9 5452
76		9.0A	21 7.900	-0.0011	09	-0 45 20.98	-0.014	11	0.22	7.915	17	36.6	20.78	17	36.6	G5 R	21	5152	A -1 3969
77		8.1A	21 13.173	0.0002	12	-7 45 31.39	0.001	12	0.25	13.170	16	33.6	31.41	16	33.6	K2	16	7227	A -8 5343
78		8.9A	21 13.896	-0.0007	12	-9 2 23.40	0.018	12	0.25	13.908	16	33.6	23.69	16	33.6	K5	16	7226	A -9 5453
79		9.4A	21 14.186	0.0001	13	-5 13 30.69	-0.017	13	0.27	14.184	16	33.6	30.41	16	33.6	K0 R	17	7042	A -5 5255
80		9.2A	21 16.383	0.0001	12	-6 16 31.47	-0.083	12	0.25	16.382	16	33.6	30.12	16	33.6	G5	16	7228	A -6 5465
81		9.0A	21 25.313	0.0006	11	-8 35 23.95	-0.028	11	0.23	25.303	16	33.6	23.49	16	33.6	G5	16	7229	A -8 5345
82		9.0A	21 31.038	0.0012	09	-3 24 4.66	0.005	09	0.22	31.018	16	33.6	4.74	16	33.6	G8 F	17	7043	A -3 4879
83		9.5A	21 31.395	-0.0018	09	-1 44 22.13	-0.068	09	0.22	31.424	16	33.6	21.01	16	33.6	G0 F	17	7044	A -2 5268
84		8.2A	21 34.620	0.0016	09	-0 43 47.09	-0.017	11	0.22	34.599	17	36.6	46.85	17	36.6	K0	21	5154	A -1 3971
85		9.2A	21 36.564	-0.0029	09	-1 11 45.49	-0.023	11	0.22	36.604	17	36.6	45.17	17	36.6	F2 R	21	5155	A -1 3972
86		9.1A	21 41.324	0.0049	09	-6 55 53.40	-0.001	09	0.22	41.244	16	33.6	53.38	16	33.6	G0	16	7231	A -7 5281
87		9.2A	21 41.631	0.0004	11	-8 43 3.80	0.001	11	0.23	41.625	16	33.6	3.82	16	33.6	G0	16	7230	A -9 5455
88		9.4A	21 43.039	-0.0011	09	-0 58 11.56	0.003	11	0.22	43.053	17	36.6	11.60	17	36.6	K0 R	21	5156	A -1 3973
89		9.0A	21 55.740	-0.0007	09	-1 10 3.81	0.016	11	0.22	55.750	17	36.6	3.83	17	36.6	K0 R	21	5157	A -1 3975
90		9.0A	21 59.459	0.0015	09	-5 3 38.43	-0.006	09	0.22	59.435	16	33.6	38.33	16	33.6	A0	17	7045K	A -5 5261
91		9.0A	22 0.748	-0.0039	09	-0 32 40.50	-0.066	11	0.22	0.800	17	36.6	39.60	17	36.6	F8	21	5158	A -0 3995
92		7.0T	22 2.365	0.0010	11	-8 55 57.78	-0.019	11	0.59	2.315	18	98.8	56.79	15	97.3	A3	GC	28381	-9 5457
93		8.7A	22 2.719	-0.0003	11	-6 56 44.56	0.004	11	0.23	2.724	16	33.6	44.63	16	33.6	G5	16	7233	A -7 5282
94		8.2A	22 2.815	-0.0014	09	-4 44 50.16	-0.012	09	0.22	2.838	16	33.6	49.97	16	33.6	K0	17	7046	A -5 5262
95		8.2A	22 4.147	0.0023	12	-7 46 11.52	0.021	12	0.25	4.110	16	33.6	11.87	16	33.6	G5	16	7234	A -8 5348
96		8.4A	22 6.218	-0.0002	11	-8 20 10.92	-0.020	11	0.23	6.222	16	33.6	10.60	16	33.6	MA	16	7235	A -8 5349
97		8.0A	22 6.347	0.0005	09	-1 42 15.92	-0.000	09	0.22	6.339	16	33.6	15.92	16	33.6	K0	17	7047	A -2 5270
98		9.0A	22 8.093	0.0028	12	-8 14 54.67	-0.002	12	0.25	8.047	16	33.6	54.64	16	33.6	A2	16	7236	A -8 5350
99		9.1A	22 12.254	0.0042	09	-4 10 7.73	-0.047	09	0.22	12.186	16	33.6	6.96	16	33.6	K2 F	17	7048	A -4 5117
00		9.2A	22 12.978	0.0008	12	-3 2 52.17	0.019	12	0.25	12.965	16	33.6	52.47	16	33.6	G5 F	17	7049	A -3 4881

144400

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	DM NUMBER
1		8.9A	20 22 14.542	-0.0058	09	-6 57 23.62	-0.195	11	0.22	14.637	16	33.6	20.43	16	33.6	G5	16	7237K	A -7 5283
2		9.0A	22 26.117	-0.0017	11	-4 39 3.81	-0.002	11	0.23	26.144	16	33.6	3.78	16	33.6	K0	17	7050	A -4 5118
3		9.1A	22 26.471	-0.0005	12	-6 38 21.04	0.008	12	0.25	28.479	16	33.6	21.18	16	33.6	K5	16	7239	A -6 5471
4		9.7A	22 26.658	-0.0002	12	-9 17 53.90	0.022	12	0.25	28.661	16	33.6	54.27	16	33.6	K0 R	16	7238	A -9 5462
5		8.6Q	22 34.039	0.0012	11	-3 35 18.09	-0.052	09	0.51	33.980	17	01.8	15.45	15	98.9	F5	GC	28398	-3 4882
6		9.2A	22 36.610	-0.0005	09	-7 50 16.63	0.006	09	0.22	36.618	16	33.6	16.73	16	33.6	F5	16	7240	A -8 5354
7		8.9A	22 39.702	0.0019	09	-0 26 33.51	0.027	11	0.22	39.677	17	36.6	33.87	17	36.6	G0	21	5162	A -0 3997
8		9.2A	22 47.451	0.0003	09	-5 17 38.44	-0.007	09	0.22	47.447	16	33.6	38.32	16	33.6	G0	17	7052	A -5 5284
9		8.9A	22 54.227	0.0010	13	-2 45 38.47	0.018	13	0.27	54.211	16	33.6	38.76	16	33.6	K2 F	17	7053	A -3 4885
10		9.7A	22 55.023	0.0008	12	-9 10 22.38	0.002	12	0.25	55.010	16	33.6	22.41	16	33.6	K0 R	16	7241	A -9 5463
11		9.2A	22 58.654	-0.0004	12	-6 15 7.22	0.014	12	0.25	58.660	16	33.6	7.46	16	33.6	A0	16	7242	A -6 5475
12		8.1T	23 6.025	-0.0007	04	-2 57 49.59	-0.028	04	0.21	6.052	07	06.1	48.22	07	01.9	K0	GC	28408	-3 4888
13		9.2Q	23 8.088	0.0015	10	-8 27 56.28	-0.041	06	0.44	8.020	21	04.4	54.04	19	95.1	G5	GC	28409K	B* -8 5357
14		8.8A	23 9.070	-0.0008	12	-8 46 43.12	0.032	12	0.25	9.083	16	33.6	43.64	16	33.6	M8	16	7244	A -9 5464
15		9.1A	23 10.503	0.0011	11	-7 6 28.44	-0.001	11	0.23	10.485	16	33.6	28.43	16	33.6	K0	16	7245	A -7 5286
16		9.5A	23 13.130	0.0008	11	-7 4 57.51	0.011	09	0.22	13.117	16	33.6	57.69	16	33.6	K R	16	7246	A -7 5288
17		8.6A	23 19.727	0.0001	11	-7 53 35.64	-0.007	11	0.23	19.726	16	33.6	55.53	16	33.6	K2	16	7247	A -8 5359
18		7.6Q	23 24.622	0.0026	08	-7 1 44.68	0.004	07	0.44	24.475	14	98.0	44.92	15	96.6	F5	GC	28416	-4 5124
19		8.6Q	23 25.342	0.0017	10	-3 36 33.20	-0.012	09	0.45	25.267	17	06.5	32.68	17	04.8	K2	GC	28417	-3 4890
20		9.0A	23 27.173	-0.0018	09	-0 50 46.31	0.001	11	0.22	27.197	17	36.6	46.32	17	36.6	K2 R	21	5166K	A -1 3980
21		8.8A	23 31.881	-0.0004	12	-6 2 36.78	0.018	12	0.25	31.888	16	33.6	37.09	16	33.6	G0	16	7248	A -6 5478
22		9.1A	23 34.642	0.0015	11	-8 33 18.48	0.001	11	0.23	34.618	16	33.6	18.50	16	33.6	K0	16	7249	A -8 5360
23		9.0A	23 36.946	-0.0012	09	-3 40 13.44	-0.012	09	0.22	36.966	16	33.6	13.25	16	33.6	K0	17	7058	A -3 4892
24		9.0A	23 39.420	0.0001	09	-4 40 49.85	-0.023	09	0.22	39.419	16	33.6	49.47	16	33.6	F8	17	7057	A -4 5126
25		8.1A	23 43.104	-0.0010	12	-6 19 20.82	-0.008	12	0.25	43.121	16	33.6	20.70	16	33.6	A2	16	7250	A -6 5479
26		9.2A	23 45.506	0.0006	09	-2 50 58.23	-0.013	09	0.22	45.497	16	33.6	58.01	16	33.6	A8 F	17	7059	A -3 4894
27		9.2A	23 50.472	-0.0000	12	-8 39 52.47	-0.010	12	0.25	50.472	16	33.6	52.30	16	33.6	K5	16	7251	A -8 5361
28		9.5A	23 52.146	0.0057	11	-2 3 37.87	0.022	11	0.23	52.053	16	33.6	38.23	16	33.6	G0 R	17	7060	A -2 5275
29		9.1A	23 53.276	-0.0006	11	-2 35 24.00	-0.021	11	0.23	53.286	16	33.6	23.65	16	33.6	F8 F	17	7061	A -2 5274
30		9.0A	23 57.023	-0.0004	12	-7 10 32.80	0.008	12	0.25	57.029	16	33.6	32.94	16	33.6	F5	16	7252	A -7 5290
31		8.5A	24 4.671	0.0012	12	-8 3 43.07	-0.004	12	0.25	4.653	16	33.6	43.00	16	33.6	A0	16	7253	A -8 5362
32		8.9A	24 7.123	-0.0014	11	-8 15 14.93	-0.006	11	0.23	7.146	16	33.6	14.83	16	33.6	F5	16	7254	A -8 5363
33		10.0A	24 10.466	-0.0014	13	-2 57 5.07	0.050	13	0.27	10.490	16	33.6	5.88	16	33.6	A2 R	17	7062	
34		9.0A	24 13.123	-0.0019	09	-4 26 14.14	-0.012	09	0.22	13.155	16	33.6	13.95	16	33.6	G0 F	17	7063	A -4 5130
35		9.3A	24 13.411	-0.0025	17	-3 25 41.28	-0.029	17	0.31	13.452	16	33.6	40.79	16	33.6	A0 F	17	7064	A -3 4896
36		9.1A	24 19.595	0.0022	13	-2 30 13.86	0.048	13	0.27	19.559	16	33.6	14.63	16	33.6	G0 F	17	7065	A -2 5278
37		8.8A	24 22.683	0.0013	12	-8 22 48.75	0.017	12	0.25	22.662	16	33.6	49.04	16	33.6	K5	16	7255	A -8 5365
38		8.9A	24 25.729	-0.0000	11	-9 18 19.27	0.001	11	0.23	25.729	16	33.6	19.28	16	33.6	A0	16	7256	A -9 5468
39		8.7A	24 28.297	0.0012	09	-3 7 5.15	-0.006	09	0.22	28.278	16	33.6	5.05	16	33.6	K0	17	7066	A -3 4900
40		8.0A	24 30.907	0.0032	11	-2 21 7.12	-0.001	11	0.23	30.856	16	33.6	7.10	16	33.6	K0	17	7067	A -2 5279
41		9.4A	24 36.491	0.0005	11	-7 6 35.27	0.002	11	0.23	36.483	16	33.6	35.30	16	33.6	K2 R	16	7257	A -7 5295
42		9.1A	24 38.470	-0.0001	12	-7 48 9.77	0.019	12	0.25	38.472	16	33.6	10.08	16	33.6	K5	16	7258	A -8 5366
43		9.0A	24 40.137	-0.0004	09	-0 13 46.33	-0.019	11	0.22	40.142	17	36.6	46.08	17	36.6	A2	21	5168	A -0 4007
44		8.9A	24 40.430	-0.0005	09	-0 7 50.82	0.009	11	0.22	40.437	17	36.6	50.94	17	36.6	A	21	5169	A -0 4006
45		9.2A	24 46.958	-0.0002	09	-4 53 47.01	0.012	09	0.22	46.961	16	33.6	47.21	16	33.6	M1 F	17	7068	A -5 5272
46		9.4A	24 48.059	-0.0000	13	-2 31 3.09	-0.011	13	0.27	48.060	16	33.6	2.91	16	33.6	K2 F	17	7070	A -2 5280
47		9.1A	24 48.736	0.0011	13	-5 50 52.61	0.006	13	0.27	48.718	16	33.6	52.71	16	33.6	K0	17	7069	A -6 5485
48		7.8A	24 50.052	-0.0030	09	-1 43 25.05	-0.049	09	0.22	50.102	16	33.6	24.24	16	33.6	G0	17	7071	A -2 5281
49		8.0Q	24 51.205	-0.0055	08	-2 17 3.11	-0.055	07	0.41	51.492	12	97.6	0.14	12	96.3	F8	GC	28446K	-2 5282
50		6.6T	24 51.868	-0.0053	05	-2 16 4.18	-0.060	04	0.25	52.117	10	02.7	0.88	10	95.4	F8	GC	28447K	B* -2 5283
51		8.5Q	20 24 52.979	0.0006	08	-3 33 40.33	0.000	07	0.41	52.949	15	01.4	40.35	14	97.7	K2	GC	28449	-3 4901
52		9.0A	24 56.502	0.0001	13	-2 10 42.14	-0.005	13	0.27	56.501	16	33.6	42.05	16	33.6	M8 F	17	7075	A -2 5284
53		8.6A	24 57.816	-0.0011	09	-0 5 26.20	-0.012	11	0.22	57.831	17	36.6	26.04	17	36.6	K0	21	5172	A -0 4009
54		7.3A	25 6.946	0.0000	11	-5 49 12.65	-0.009	11	0.23	6.946	16	33.6	12.51	16	33.6	M8	17	7076	A -6 5487
55		7.9A	25 10.569	0.0017	11	-6 50 22.74	-0.009	11	0.23	10.541	16	33.6	22.59	16	33.6	A3	16	7261	A -7 5301
56		8.6A	25 14.682	0.0003	09	-5 41 31.92	-0.025	09	0.22	14.677	16	33.6	31.52	16	33.6	A0	17	7077	A -6 5488
57		8.0A	25 20.110	0.0002	11	-5 14 43.46	-0.016	11	0.23	20.107	16	33.6	43.19	16	33.6	K0	17	7078	A -5 5275
58		9.1A	25 24.064	0.0013	11	-4 39 18.15	0.018	11	0.23	24.043	16	33.6	18.45	16	33.6	G5 R	17	7079	A -4 5141
59		8.5A	25 26.047	-0.0013	09	-0 19 3.59	-0.006	11	0.22	26.065	17	36.6	3.51	17	36.6	K5	21	5173	A -0 4010
60		9.0A	25 26.368	0.0010	13	-4 54 32.97	0.001	13	0.27	26.351	16	33.6	32.99	16	33.6	K0	17	7080	A -5 5276
61		8.6A	25 29.151	0.0000	12	-7 38 36.43	-0.019	12	0.25	29.150	16	33.6	36.13	16	33.6	G5	16	7263	A -7 5303
62		9.1A	25 34.377	0.0002	11	-5 39 18.76	-0.018	11	0.23	34.374	16	33.6	18.48	16	33.6	K5	17	7081	A -5 5277
63		8.7A	25 36.296	0.0018	09	-5 2 46.50	-0.018	11	0.22	36.267	16	33.6	46.20	16	33.6	K0	17	7082	A -5 5278
64		9.0A	25 40.733	0.0029	13	-3 32 8.28	-0.046	13	0.27	40.686	16	33.6	7.53	16	33.6	A8 F	17	7083	A -3 4905
65		7.1T	25 43.826	0.0015	11	-9 32 14.45	-0.006	12	0.62	43.751	18	99.2	14.15	17	98.2	G5	GC	28468	-9 5473
66		9.1A	25 44.503	-0.0006	11	-8 52 11.81	0.022	11	0.23	44.513	16	33.6	12.17	16	33.6	K0	16	7266	A -9 5474
67		8.5A	25 45.498	0.0033	13	-3 43 14.86	-0.042	13	0.27	45.444	16	33.6	14.17	16	33.6	K0	17	7084	A -4 5145
68		6.0T	25 47.782	0.0013	04	-3 31 27.17	-0.013	03	0.22	47.712	10	96.9	26.44	09	92.0	B9	GC	28472	B* -3 4906
69		9.2A	25 48.181	0.0028	13	-3 33 27.25	-0.021	13	0.27	48.135	16	33.6	26.91	16	33.6	F2 R	17	7086	A -3 4907
70		8.5A	25 50.056	0.0003	13	-3 50 9.62	-0.043	13	0.27	50.052	16	33.6	8.92	16	33.6	F8	17	7087	A -4 5146
71		9.2A	25 50.696	-0.0005	09	-0 41 55.31	-0.015	11	0.22	50.702	17	36.6	55.11	17	36.6	K2 R	21	5174	A -1 3983
72		9.0A	25 53.250	-0.0015	11	-5 42 55.62	-0.039	11	0.23	53.274	16	33.6	54.98	16	33.6	K0	17	7088	A -6 5492
73		9.0A	25 55.823	0.0015	13	-5 48 7.58	-0.016	13	0.27	55.798	16	33.6	7.33	16	33.6	F0	17	7089	A -6 5493
74		7.8T	25 59.169	0.0003	10	-4 35 41.63	0.043	09	0.52	59.152	15	96.7	43.93	15	97.0	F8	GC	28479	-4 5147
75		8.9A	25 59.291	0.0018	15	-9 53 16.88	0.026	17	0.31	59.262	18	33.6	17.31	16	33.6	G5 J	11	7231	A -10 5400
76		9.1A	26 6.357	0.0006	12	-6 42 40.28	0.010	12	0.25	6.347	16	33.6	40.44	16	33.6	F0	16	7269	A -7 5304
77		8.9A	26 9.013	-0.0008	12	-8 46 37.40	-0.007	12	0.25	9.026	16	33.6	37.29	16	33.6	K2	16	7270	A -9 5477
78		8.9A	26 9.520	-0.0019	09	-0 16 48.03	-0.010	11	0.22	9.546	17	36.6	47.90	17	36.6	F8	21	5178	A -0 4015
79		9.1A	26 12.676	0.0039	12	-7 46 8.24	-0.043	12	0.25	12.613	16	33.6	7.54	16	33.6	K0	16	7271	A -8 5370
80		6.9T	26 14.378	0.0048	12	-1 54 3.88	-0.040	12	0.69	14.113	15	95.1	1.66	15	94.9	G0	GC	28495	-2 5286
81		9.2A	26 16.379	-0.0017	09	-3 34 45.45	-0.025	09	0.22	16.407	16	33.6	45.04	16	33.6	K2 F	17	7092	A -3 4912
82		8.0A	26 20.777	-0.0025	09	-1 0 1.35	-0.037	11	0.22	20.810	17	36.6	0.85	17	36.6	K0	21	5179	A -1 3984
83		9.1A	26 21.828	0.0005	09	-3 55 35.14	0.000	09	0.22	21.820	16	33.6	35.14	16	33.6	K4 F	17	7093	A -4 5151
84		8.7A	26 22.359	-0.0015	11	-7 40 39.14	0.000	11	0.23	22.384	16	33.6	39.14	16	33.6	K0	16	7272	A -7 5306
85		8.4A	26 24.758	-0.0001	11	-7 11 4.49	-0.004	11	0.23	24.760	16	33.6	4.42	16	33.6	K0	16	7274	A -7 5307
86		9.3A	26 25.076	-0.0001	12	-9 42 5.64	-0.008	12	0.25	25.077	16	33.6	5.51	16	33.6	K7	16	7273	A -10 5401
87		9.4A	26 32.160	0.0045	17	-9 52 40.90	-0.059	18	0.33	32.086	18	33.6	39.93	16	33.6	G0 J	11	7235	A -10 5402
88		8.8A	26 34.410	-0.0015	12	-8 11 36.31	0.012	12	0.25	34.434	16	33.6	36.51	16	33.6	G5	16	7275K	A -8 5371
89		8.6A	26 35.617	0.0016	12	-8 27 8.39	-0.002	12	0.25	35.591	16	33.6	8.36	16	33.6	A3	16	7276	A -8 5372
90		9.5A	26 35.629	0.0014	12	-6 29 5.96	-0.023	12	0.25	35.607	16	33.6	5.58	16	33.6	G0	16	7277	A -6 5496
91		9.1A	26 43.341	0.0010	11	-9 15 13.61	-0.002	11	0.23	43.324	16	33.6	13.58	16	33.6	A2	16	7278	A -9 5479
92		9.1A	26 45.325	-0.0001	09	-1 19 11.76	-0.025	11	0.22	45.326	17	36.6	11.42	17	36.6	F0 R	21	5180	A -1 3987
93		9.2A	26 50.195	-0.0001	09	-1 43 17.62	-0.062	11	0.22	50.197	17	36.6	16.78	17	36.6	G5 R	21	5181	A -2 5289
94		9.3A	26 52.054	0.0001	11	-8 10 48.42	0.004	09	0.22	52.052	16	33.6	48.50	16	33.6	MA R	16	7279	A -8 5374
95		5.1H	27 2.213	0.0046	01	-3 3 11.13	-0.017	01	0.05	2.072	03	19.3	10.58	03	18.0	K0	F4	1533	-3 4918
96		8.0A	27 3.036	0.0004	09	-4 21 1.41	-0.007	09	0.22	3.031	16	33.6	1.31	16	33.6	K5	17	7095	A -4 5153
97		9.2A	27 9.623	0.0012	12	-7 5 35.19	0.004	12	0.25	9.603	16	33.6	35.26	16	33.6	K0	16	7280	A -7 5310
98		8.7A	27 13.913	0.0006	09	-2 14 32.92	-0.014	09	0.22	13.904	16	33.6	32.68	16	33.6	F5	17	7097	A -2 5291
99		9.2A	27 19.175	-0.0000	09	-0 27 22.19	-0.040	11	0.22	19.176	17	36.6	21.65	17	36.6	K0 R	21	5182	A -0 4020
00		8.5A	27 20.554	-0.0007	09	-3 20 56.94	-0.000	09	0.22	20.566	16	33.6	56.93	16	33.6	A5	17	7098	A -3 4923

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NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	EPOCH 1950 μ s	EPOCH 1950 σ_μ ″ .001	EPOCH 1950 δ_{1950} ° ′ ″	EPOCH 1950 μ' ″	EPOCH 1950 $\sigma_{\mu'}$ ″ .001	EPOCH 1950 σ_{1950} ″	ORIGINAL EPOCH α_2 s	ORIGINAL EPOCH σ ″ .01	ORIGINAL EPOCH ep.	ORIGINAL EPOCH δ_2 ″	ORIGINAL EPOCH σ' ″ .01	ORIGINAL EPOCH ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	− 0° 20H DM NUMBER
1		7.7T	20 27 23.606	0.0026	09	-4 36 17.27	-0.100	06	0.43	23.476	14	00.4	12.24	14	99.5	F8	GC	28514	-4 5154
2		9.4A	27 26.171	0.0004	13	-5 41 38.36	-0.004	13	0.27	26.165	16	33.6	38.30	16	33.6	K0	17	7100	A -6 5498
3		9.6A	27 36.368	-0.0009	11	-8 19 55.42	-0.010	12	0.24	36.383	16	33.6	55.26	16	33.6	F8 R	16	7282	A -8 5376
4		9.1A	27 39.351	0.0028	11	-4 20 47.82	-0.018	11	0.23	39.455	16	33.6	47.54	16	33.6	F5 F	17	7101	A -4 5156
5		8.2A	27 39.873	-0.0008	09	-1 20 28.74	-0.004	11	0.22	39.884	17	36.6	28.69	17	36.6	K5	21	5183	A -1 3988
6		9.0A	27 40.204	-0.0004	13	-4 55 22.71	-0.021	13	0.27	40.211	16	33.6	22.37	16	33.6	MC	17	7102	A -5 5288
7		9.0A	27 42.705	0.0002	11	-3 38 47.05	-0.015	11	0.23	42.702	16	33.6	46.81	16	33.6	A0 F	17	7103	A -3 4825
8		9.0A	27 47.563	0.0006	13	-3 44 44.60	0.000	15	0.28	47.553	16	33.6	44.61	16	33.6	K2 F	17	7104	A -4 5157
9		9.6A	27 49.391	-0.0010	12	-6 40 22.72	-0.028	12	0.25	49.407	16	33.6	22.27	16	33.6	K0 R	16	7283	A -6 5501
10		8.8A	27 53.809	0.0030	11	-9 17 23.61	0.029	11	0.23	53.761	16	33.6	24.09	16	33.6	K2	16	7284	A -9 5482
11		9.2A	27 54.957	0.0007	12	-8 28 40.16	-0.007	12	0.25	54.946	16	33.6	40.05	16	33.6	A3	16	7285	A -8 5378
12		7.7T	27 55.409	-0.0000	10	-5 33 29.88	-0.015	08	0.47	55.411	15	01.3	29.14	15	99.6	K2	GC	28526	-5 5291
13		8.9A	27 59.328	0.0004	12	-5 53 59.44	0.013	12	0.25	59.321	16	33.6	59.66	16	33.6	G5	16	7287	A -6 5503
14		8.5B	28 0.058	0.0015	11	-5 59 40.57	0.000	09	0.49	59.969	17	02.9	40.59	17	01.3	A5	GC	28529	-6 5504
15		8.9A	28 2.137	0.0009	11	-6 2 58.98	0.002	11	0.23	2.122	16	33.6	59.02	16	33.6	A0	16	7289	A -6 5505
16		9.0A	28 4.990	-0.0014	09	-0 13 22.33	-0.014	11	0.22	5.009	17	36.6	22.15	17	36.6	F5 R	21	5187	A -0 4025
17		9.3A	28 6.301	0.0014	09	-3 57 5.30	0.019	09	0.22	6.478	16	33.6	5.62	16	33.6	K2 F	17	7106	A -4 5160
18		8.1A	28 7.810	0.0001	12	-8 13 11.39	0.006	12	0.25	7.808	16	33.6	11.49	16	33.6	K0	16	7290	A -8 5380
19		8.9A	28 13.712	0.0002	11	-7 17 13.14	0.020	11	0.23	13.709	16	33.6	13.48	16	33.6	K2	16	7291	A -7 5316
20		8.8A	28 16.983	0.0007	09	-0 37 38.23	-0.016	11	0.22	16.974	17	36.6	38.02	17	36.6	K5 R	21	5188	A -0 4026
21		8.8A	28 19.320	0.0013	12	-9 49 28.08	0.008	12	0.25	19.299	16	33.6	28.21	16	33.6	K5	16	7292	A -10 5415
22		8.9A	28 21.631	0.0011	09	-1 38 53.10	-0.028	11	0.22	21.617	17	36.6	52.72	17	36.6	F2	21	5189	A -1 3989
23		9.0A	28 24.042	0.0006	09	-4 52 17.54	-0.013	09	0.22	24.032	16	33.6	17.33	16	33.6	K2 F	17	7107	A -5 5294
24		9.1A	28 28.886	-0.0005	12	-8 27 14.82	-0.010	12	0.25	28.894	16	33.6	14.66	16	33.6	A0	16	7293	A -8 5381
25		8.5A	28 30.422	-0.0068	09	-2 45 42.52	-0.052	09	0.22	30.533	16	33.6	41.66	16	33.6	F8	17	7109	A -3 4928
26		9.1A	28 32.205	-0.0024	09	-0 35 30.58	-0.023	11	0.22	32.238	17	36.6	30.27	17	36.6	F8 R	21	5191	A -0 4029
27		9.3A	28 39.772	-0.0001	12	-8 37 20.62	-0.004	12	0.25	39.773	16	33.6	20.55	16	33.6	G0	16	7294	A -8 5383
28		9.1A	28 48.669	-0.0010	13	-1 53 28.09	-0.005	13	0.27	48.686	16	33.6	28.00	16	33.6	F8 F	17	7110	A -2 5294
29		9.5A	29 1.701	-0.0015	21	-9 33 4.14	-0.079	22	0.39	1.725	18	33.6	2.85	16	33.6	G0 J	11	7252	A -9 5486
30		9.2A	29 14.095	0.0018	09	-0 28 39.21	-0.019	11	0.22	14.072	17	36.6	38.96	17	36.6	K0 R	21	5193	A -0 4032
31		9.4A	29 15.907	0.0009	13	-1 56 34.27	-0.020	13	0.27	15.893	16	33.6	33.94	16	33.6	K5 F	17	7112	A -2 5295
32		8.0A	29 17.700	0.0004	13	-5 46 23.48	0.018	13	0.27	17.694	16	33.6	23.78	16	33.6	K0	17	7111	A -6 5511
33		8.2G	29 18.518	0.0003	09	-3 36 41.62	-0.011	08	0.44	18.503	15	02.9	41.10	15	00.7		GC	28553K	-3 4930
34		7.8A	29 20.568	-0.0019	09	-0 19 28.68	0.039	11	0.22	20.594	17	36.6	29.20	17	36.6	K0	21	5194	A -0 4033
35		7.9A	29 23.452	0.0034	12	-8 36 30.85	0.000	12	0.25	23.397	16	33.6	30.85	16	33.6	A3	16	7296	A -8 5384
36		9.0A	29 23.642	0.0014	11	-4 3 30.06	0.001	11	0.23	23.620	16	33.6	30.08	16	33.6	K2 F	17	7114	A -4 5166
37		6.7T	29 26.445	0.0006	09	-5 24 46.77	0.018	07	0.51	26.412	15	92.4	47.82	15	90.1	K0	GC	28558K	-5 5299
38		8.7A	29 32.112	-0.0032	13	-2 45 2.06	-0.038	13	0.27	32.164	16	33.6	1.43	16	33.6	K2 F	17	7116	A -3 4933
39		9.2A	29 34.140	0.0010	09	-0 23 30.17	0.032	11	0.22	34.127	17	36.6	30.60	17	36.6	K2 R	21	5197	A -0 4034
40		9.3A	29 37.654	0.0039	12	-6 28 39.22	-0.007	12	0.25	37.591	16	33.6	39.12	16	33.6	G0	16	7297	A -6 5512
41		9.0A	29 41.855	0.0018	11	-7 37 24.13	0.016	11	0.23	41.826	16	33.6	24.40	16	33.6	G0	16	7298	A -7 5321
42		9.0A	29 42.029	0.0004	13	-2 14 43.80	-0.000	13	0.27	42.022	16	33.6	43.80	16	33.6	K0 F	17	7117	A -2 5297
43		9.3A	29 44.511	-0.0012	12	-8 21 59.33	0.008	12	0.25	44.531	16	33.6	59.47	16	33.6	K0	16	7299	A -8 5387
44		9.0A	29 46.086	0.0013	13	-3 40 21.84	0.013	13	0.27	46.065	16	33.6	22.07	16	33.6	G2 F	17	7118	A -4 5168
45		9.0A	29 58.394	-0.0014	12	-2 16 11.45	0.001	12	0.25	58.417	16	33.6	11.47	16	33.6	A5	17	7120	A -2 5301
46		8.2A	30 5.487	-0.0019	09	-1 37 55.43	-0.012	11	0.22	5.512	17	36.6	55.27	17	36.6	K5	21	5199	A -1 3991
47		9.1A	30 6.583	-0.0049	12	-9 32 2.81	-0.106	12	0.25	6.663	16	33.6	1.07	16	33.6	B8	16	7301	A -9 5491
48		9.0A	30 10.311	-0.0012	09	-0 20 53.43	-0.029	11	0.22	10.328	17	36.6	53.05	17	36.6	A2 R	21	5200	A -0 4036
49		8.0A	30 11.266	0.0045	11	-8 6 2.38	-0.037	11	0.23	11.192	16	33.6	1.77	16	33.6	F5	16	7302	A -8 5391
50		9.1A	30 12.943	-0.0015	13	-2 50 36.39	-0.014	13	0.27	12.967	16	33.6	36.17	16	33.6	A5 F	17	7123	A -3 4937
51	20	8.0A	30 13.827	-0.0021	13	-5 20 32.94	0.003	13	0.27	13.861	16	33.6	33.00	16	33.6	A3	17	7122	A -5 5302
52		9.2A	30 14.817	-0.0021	12	-6 6 25.09	-0.053	12	0.25	14.851	16	33.6	24.22	16	33.6	F8	16	7303	A -6 5516
53		9.0A	30 16.673	0.0011	09	-3 56 8.81	-0.010	09	0.22	16.656	16	33.6	8.64	16	33.6	G8 F	17	7124	A -4 5172
54		8.4A	30 18.154	-0.0004	12	-9 11 11.05	0.010	12	0.25	18.160	16	33.6	11.22	16	33.6	K5	16	7304	A -9 5492
55		9.2A	30 18.229	0.0009	11	-5 29 49.98	0.000	11	0.23	18.215	16	33.6	49.99	16	33.6	K0	17	7125	A -5 5303
56		9.3A	30 18.432	-0.0012	12	-6 47 30.24	-0.030	12	0.25	18.452	16	33.6	29.75	16	33.6	G5	16	7305	A -7 5323
57		9.1A	30 21.742	-0.0007	09	-1 16 51.74	-0.040	11	0.22	21.751	17	36.6	51.21	17	36.6	A5 R	21	5201	A -1 3993
58		9.0A	30 27.528	0.0006	09	-2 18 14.53	-0.013	09	0.22	27.519	16	33.6	14.32	16	33.6	A0	17	7126	A -2 5303
59		8.5A	30 29.672	-0.0014	09	-0 17 17.92	0.005	11	0.22	29.690	17	36.6	17.99	17	36.6	K0	21	5203	A -0 4038
60		9.0A	30 38.310	0.0006	12	-6 8 47.57	0.029	12	0.25	38.301	16	33.6	48.05	16	33.6	K0	16	7306	A -6 5517
61		9.2A	30 41.645	-0.0008	12	-6 58 51.78	-0.019	12	0.25	41.659	16	33.6	51.47	16	33.6	K0	16	7307	A -7 5324
62		9.1A	30 43.059	-0.0009	09	-0 58 24.36	-0.008	11	0.22	43.072	17	36.6	24.26	17	36.6	G	21	5204	A -1 3994
63		7.1A	30 45.922	0.0006	12	-6 23 27.16	0.018	12	0.25	45.913	16	33.6	27.45	16	33.6	MA	16	7308	A -6 5521
64		9.1A	30 47.317	0.0022	13	-2 54 35.80	0.008	13	0.27	47.280	16	33.6	35.94	16	33.6	A0 F	17	7127	A -3 4939
65		9.0A	30 48.136	0.0004	12	-8 2 38.61	0.003	12	0.25	48.129	16	33.6	38.66	16	33.6	K0	16	7309	A -8 5396
66		8.3A	30 48.354	-0.0000	11	-3 31 42.24	-0.009	11	0.23	48.355	16	33.6	42.09	16	33.6	G5	17	7128	A -3 4940
67		9.1A	30 52.714	-0.0000	13	-1 36 9.99	0.020	13	0.27	52.715	16	33.6	10.32	16	33.6	K2 R	17	7129	A -1 3995
68		8.8A	30 57.769	-0.0001	11	-5 31 31.63	0.006	11	0.23	57.771	16	33.6	31.74	16	33.6	G5	17	7130	A -5 5305
69		8.9A	31 1.009	0.0000	12	-7 51 7.40	0.015	12	0.25	1.008	16	33.6	7.65	16	33.6	G5	16	7311	A -8 5398
70		9.0A	31 13.817	0.0008	12	-8 56 21.48	0.008	12	0.25	13.804	16	33.6	21.61	16	33.6	A2	16	7312	A -9 5497
71		9.1A	31 21.952	0.0008	12	-7 40 9.55	0.004	12	0.25	21.938	16	33.6	9.62	16	33.6	G5	16	7313	A -7 5328
72		9.2A	31 27.441	-0.0026	09	-1 51 43.74	-0.055	09	0.22	27.483	16	33.6	42.85	16	33.6	G0 F	17	7131	A -2 5305
73		9.1A	31 29.352	-0.0011	12	-7 31 17.50	0.004	12	0.25	29.370	16	33.6	17.57	16	33.6	F8	16	7314	A -7 5330
74		8.7A	31 36.526	-0.0004	09	-3 14 52.76	-0.000	09	0.22	36.532	16	33.6	52.76	16	33.6	A2	17	7133	A -3 4946
75		9.0A	31 42.364	0.0016	09	-1 55 56.08	0.009	09	0.22	42.337	16	33.6	56.23	16	33.6	A3	17	7134	A -2 5308
76		8.9A	31 48.278	0.0000	12	-9 7 37.85	0.003	12	0.25	48.277	16	33.6	37.90	16	33.6	K5	16	7315	A -9 5500
77		7.9G	31 48.799	0.0009	07	-0 39 4.17	-0.002	05	0.35	48.748	14	99.4	4.06	14	88.6	K2	GC	28623	-0 4043
78		8.5T	31 53.881	0.0001	12	-6 0 56.81	0.010	12	0.25	53.879	17	05.7	57.28	17	04.2	K0	GC	28627	-6 5523
79		9.0A	31 56.037	0.0004	13	-3 35 25.35	-0.004	13	0.27	56.030	16	33.6	25.29	16	33.6	G8 F	17	7135	A -3 4948
80		7.7A	31 59.481	-0.0008	09	-0 50 50.71	0.009	11	0.22	59.492	17	36.6	50.84	17	36.6	K0	21	5209	A -1 3998
81		8.2A	32 0.774	0.0002	12	-7 51 36.30	0.018	12	0.25	0.770	16	33.6	36.60	16	33.6	A3	16	7317	A -8 5402
82		8.7A	32 2.186	0.0015	11	-8 26 22.46	0.028	11	0.23	2.161	16	33.6	22.92	16	33.6	A0	16	7318	A -8 5525
83		8.7A	32 4.002	0.0004	09	-3 40 37.03	-0.005	11	0.22	3.997	16	33.6	36.94	16	33.6	A5	17	7136	A -3 4949
84		9.1G	32 5.007	-0.0012	12	-9 14 55.76	0.008	09	0.53	5.063	18	05.2	56.15	17	01.4	M0	GC	28638	-9 5501
85		9.1A	32 6.894	-0.0002	12	-7 24 17.98	0.024	12	0.25	6.898	16	33.6	18.37	16	33.6	K0	16	7320	A -7 5331
86		9.1A	32 7.258	0.0002	12	-2 52 5.57	0.006	09	0.22	7.255	16	33.6	5.67	16	33.6	B8 R	17	7137	A -3 4950
87		9.3A	32 8.057	-0.0015	09	-1 18 20.02	0.032	11	0.22	8.077	17	36.6	20.46	17	36.6	G5 R	21	5210	A -1 3999
88		9.2A	32 10.016	-0.0024	09	-0 40 55.10	-0.008	11	0.22	10.048	17	36.6	55.00	17	36.6	K2 R	21	5211	A -1 4000
89		9.0A	32 13.517	-0.0001	11	-1 55 42.40	-0.010	11	0.23	13.519	16	33.6	42.24	16	33.6	K5 F	17	7140	A -2 5311
90		9.0A	32 13.698	0.0012	11	-2 26 31.58	-0.155	11	0.23	13.678	16	33.6	29.05	16	33.6	G0	17	7139	A -2 5310
91		9.1A	32 14.378	0.0009	12	-9 16 38.33	-0.012	12	0.25	14.363	16	33.6	38.14	16	33.6	G5	16	7321	A -9 5502
92		9.0A	32 14.434	0.0001	11	-3 45 16.62	-0.030	13	0.25	14.433	16	33.6	16.12	16	33.6	G8 F	17	7138	A -4 5186
93		9.1A	32 20.214	-0.0006	11	-2 30 58.57	-0.027	09	0.22	20.222	16	33.6	58.13	16	33.6	A0	17	7142	A -2 5312
94		9.0A	32 20.551	0.0010	13	-4 27 36.24	-0.011	13	0.27	20.535	16	33.6	36.06	16	33.6	G0 F	17	7141	A -4 5187
95		7.9A	32 20.875	0.0026	12	-9 45 11.80	-0.009	12	0.25	20.832	16	33.6	11.65	16	33.6	A0	16	7322	A -10 5438
96		9.0A	32 27.495	0.0013	12	-8 49 24.47	0.014	12	0.25	27.473	16	33.6	24.70	16	33.6	K0	16	7323	A -9 5505
97		8.8A	32 29.325	0.0014	09	-4 45 56.43	0.007	09	0.22	29.302	16	33.6	56.54	16	33.6	K0	17	7143	A -5 5311
98		8.4G	32 31.427	-0.0011	10	-9 10 36.34	-0.008	08	0.47	31.477	17	02.5	35.93	17	99.0	A2	GC	28649	-9 5507
99		9.0A	32 38.554	-0.0009	12	-9 32 50.06	-0.009	12	0.25	38.562	16	33.6	49.91	16	33.6	K5	16	7325	A -9 5509
00		8.9A	32 39.547	-0.0012	12	-8 26 11.98	0.029	12	0.25	39.566	16	33.6	12.46	16	33.6	K2	16	7326	A -8 5404

144600

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	DM NUMBER
																			- 0°
																			20H
1		9.3A	20 32 40.625	0.0005	12	-7 22 30.04	-0.022	12	0.25	40.617	16	33.6	29.68	16	33.6	K2	16	7327	A -7 5335
2		9.3A	32 41.552	-0.0003	11	-7 43 55.70	-0.001	11	0.23	41.557	16	33.6	55.68	16	33.6	A0	16	7328	A -8 5405
3		8.0A	32 43.580	0.0011	11	-5 42 1.50	-0.106	11	0.23	43.579	16	33.6	+59.77	16	33.6	F8	17	7144	A -6 5528
4		8.7A	32 44.761	0.0011	11	-6 27 46.15	0.006	11	0.23	44.743	16	33.6	46.26	16	33.6	F2	16	7330	A -6 5527
5		9.0A	32 49.011	-0.0019	13	-5 27 42.57	-0.003	13	0.27	49.043	16	33.6	42.53	16	33.6	K5 R	17	7145	A -5 5314
6		8.9A	32 50.737	-0.0002	09	-3 22 34.93	0.010	09	0.22	50.741	16	33.6	35.10	16	33.6	K0 F	17	7146	A -3 4953
7		8.0Q	32 51.121	0.0006	07	-2 13 30.84	0.013	07	0.40	51.089	14	97.5	31.52	14	98.0	F0	GC	28657	-2 5315
8		7.8A	33 1.660	0.0006	09	-4 53 38.23	-0.076	11	0.22	1.649	16	33.6	36.98	16	33.6	G5	17	7148	A -5 5315
9		9.2A	33 2.565	-0.0004	09	-2 33 39.37	-0.018	09	0.22	2.571	16	33.6	39.08	16	33.6	K5 F	17	7149	A -2 5316
10		8.4A	33 5.727	0.0028	09	-3 29 37.35	-0.004	09	0.22	5.680	16	33.6	37.29	16	33.6	F2	17	7150	A -3 4955
11		7.5A	33 13.107	0.0017	09	-0 10 29.14	-0.042	11	0.22	13.084	17	36.6	28.58	17	36.6	F8	21	5214	A -0 4050
12		9.3A	33 16.182	-0.0018	09	-1 35 42.85	-0.024	11	0.22	16.206	17	36.6	42.53	17	36.6	F2 R	21	5215	A -1 4007
13		9.4A	33 17.677	0.0024	12	-7 52 26.59	-0.008	12	0.25	17.638	16	33.6	26.46	16	33.6	G5	16	7331	A -8 5406
14		9.1A	33 26.487	0.0029	12	-6 51 11.25	-0.012	12	0.25	26.439	16	33.6	11.06	16	33.6	G5	16	7332	A -7 5342
15		8.8A	33 29.337	-0.0008	09	-1 40 58.44	-0.009	09	0.22	29.350	16	33.6	58.30	16	33.6	K0	17	7152	A -2 5319
16		8.9A	33 30.248	0.0004	11	-7 52 41.56	-0.019	11	0.23	30.241	16	33.6	41.25	16	33.6	F5	16	7333	A -8 5408
17		8.0A	33 44.467	0.0016	12	-9 30 24.62	-0.008	12	0.25	44.440	16	33.6	24.49	16	33.6	A0	16	7334	A -9 5512
18		8.6A	33 45.032	0.0003	09	-5 33 1.53	-0.017	09	0.22	45.026	16	33.6	1.25	16	33.6	K2	17	7153	A -5 5321
19		9.0A	33 46.956	-0.0011	09	-0 41 1.60	-0.013	11	0.22	46.971	17	36.6	1.43	17	36.6	G5	21	5217	A -1 4009
20		8.9A	33 49.712	-0.0002	12	-9 23 52.28	-0.043	12	0.25	49.714	16	33.6	51.58	16	33.6	F8	16	7336	A -9 5513
21		9.1A	33 59.306	0.0050	13	-4 25 17.09	0.012	13	0.27	59.225	16	33.6	17.29	16	33.6	G5 F	17	7154	A -4 5197
22		9.3A	34 3.837	-0.0011	09	-2 35 15.64	-0.022	09	0.22	3.855	16	33.6	15.28	16	33.6	G8 F	17	7155	A -2 5321
23		8.3A	34 5.880	0.0007	12	-9 21 41.30	0.013	12	0.25	5.869	16	33.6	41.52	16	33.6	K0	16	7338	A -9 5516
24		5.2T	34 7.407	0.0003	03	-2 43 27.16	-0.001	02	0.14	7.390	06	01.5	27.11	06	98.6	K5	GC	28684	B* -3 4961
25		9.0A	34 11.311	0.0002	09	-1 39 33.34	-0.025	11	0.22	11.309	17	36.6	33.01	17	36.6	K5 R	21	5220	A -1 4010
26		8.8A	34 20.760	-0.0007	12	-8 56 16.35	0.025	12	0.25	20.748	16	33.6	16.76	16	33.6	K0	16	7339	A -9 5518
27		9.4A	34 32.089	-0.0006	12	-8 35 56.85	0.001	12	0.25	32.099	16	33.6	56.87	16	33.6	G5	16	7340	A -8 5411
28		8.9A	34 33.242	-0.0005	09	-0 41 33.58	0.000	11	0.22	33.248	17	36.6	33.59	17	36.6	K5	21	5223	A -1 4014
29		9.1A	34 33.325	0.0104	12	-8 4 18.41	0.016	12	0.25	33.154	16	33.6	18.67	16	33.6	G0	16	7341	A -8 5412
30		7.7Q	34 35.809	-0.0002	10	-1 29 11.74	0.024	08	0.47	35.818	15	01.7	12.92	15	01.3	G5	GC	28695	-1 4015
31		9.3A	34 43.270	0.0000	11	-2 24 53.52	-0.018	11	0.23	43.270	16	33.6	53.23	16	33.6	K0 F	17	7158	A -2 5323
32		6.2T	34 44.563	-0.0002	09	-0 4 41.17	-0.015	06	0.44	44.572	14	93.6	40.45	12	00.8	B8	GC	28697	-0 4056
33		9.0A	34 54.731	0.0001	09	-4 14 31.21	0.017	09	0.22	54.730	16	33.6	31.49	16	33.6	A0 F	17	7159	A -4 5201
34		8.7A	34 55.372	-0.0017	12	-6 56 42.75	0.001	12	0.25	55.400	16	33.6	42.77	16	33.6	K2	16	7342	A -7 5349
35		9.5A	34 55.614	0.0013	12	-6 35 41.71	-0.006	12	0.25	55.593	16	33.6	41.61	16	33.6	A0	16	7343	A -6 5533
36		8.5A	35 9.101	-0.0012	11	-4 31 41.02	0.003	13	0.25	9.120	16	33.6	41.06	16	33.6	K2	17	7160	A -4 5202
37		9.2A	35 9.779	0.0013	12	-8 42 7.27	0.014	12	0.25	9.757	16	33.6	7.50	16	33.6	G0	16	7344	A -9 5524
38		8.6A	35 15.431	0.0001	12	-8 42 32.18	-0.019	12	0.25	15.429	16	33.6	31.87	16	33.6	A0	16	7345	A -9 5525
39		9.0A	35 16.991	0.0007	12	-8 52 0.79	0.024	12	0.25	16.979	16	33.6	1.18	16	33.6	K5	16	7346	A -9 5526
40		9.0A	35 18.131	-0.0001	09	-5 31 38.52	0.022	09	0.22	18.133	16	33.6	38.88	16	33.6	K0	17	7161	A -5 5328
41		9.3A	35 18.693	0.0005	12	-7 1 11.35	-0.007	12	0.25	18.685	16	33.6	11.24	16	33.6	F5 R	16	7347	A -7 5352
42		7.2T	35 30.804	0.0013	08	-4 33 26.84	0.003	08	0.49	30.728	14	92.7	27.01	14	92.1	K0	GC	28716	-4 5204
43		9.2A	35 31.156	0.0006	12	-9 22 12.58	0.023	12	0.25	31.146	16	33.6	12.96	16	33.6	K0	16	7349	A -9 5528
44		8.5A	35 33.653	-0.0011	11	-2 57 5.25	-0.003	11	0.23	33.671	16	33.6	5.20	16	33.6	B9	17	7164	A -3 4969
45		9.3A	35 36.539	-0.0009	12	-6 5 41.85	-0.002	12	0.25	36.554	16	33.6	41.82	16	33.6	M5 R	16	7350	A -6 5538
46		8.6A	35 41.840	0.0015	12	-7 52 9.17	-0.007	12	0.25	41.815	16	33.6	9.06	16	33.6	A5	16	7351	A -8 5417
47		7.9T	35 43.243	0.0006	12	-4 41 16.87	-0.001	12	0.65	43.209	15	95.9	16.81	15	96.8	G0	GC	28723	-5 5330
48		8.3A	35 44.505	-0.0011	13	-3 21 49.62	0.011	13	0.27	44.523	16	33.6	49.81	16	33.6	K0	17	7166	A -3 4971
49		4.5T	35 45.349	0.0008	03	-1 16 53.96	-0.019	03	0.19	45.304	09	96.2	50.96	07	96.5	K0	GC	28725K	B* -1 4016
50		9.0A	35 47.763	-0.0000	09	-3 11 37.45	0.007	09	0.22	47.763	16	33.6	37.57	16	33.6	K2 F	17	7167	A -3 4973
51	28	8.8A	35 50.394	0.0004	12	-6 51 31.48	0.011	12	0.25	50.388	16	33.6	31.66	16	33.6	A0	16	7353	A -7 5354
52		9.1A	35 51.864	-0.0012	12	-8 42 28.80	0.004	12	0.25	51.883	16	33.6	28.87	16	33.6	K0	16	7352	A -9 5529
53		9.1A	35 54.994	-0.0002	09	-1 32 41.54	-0.016	11	0.22	54.997	17	36.6	41.33	17	36.6	A2 R	21	5229	A -1 4017
54		9.2A	36 1.806	0.0010	17	-9 51 35.11	-0.007	18	0.33	1.790	18	33.6	35.00	16	33.6	M2 J	11	7306	A -10 5458
55		8.8A	36 2.753	-0.0006	09	-0 15 28.27	-0.005	11	0.22	2.762	17	36.6	28.21	17	36.6	F8	21	5230	A -0 4059
56		9.5A	36 8.976	-0.0004	12	-8 47 0.19	0.016	12	0.25	8.982	16	33.6	0.45	16	33.6	K	16	7355	A -9 5531
57		8.8A	36 9.502	0.0001	12	-9 46 11.94	-0.008	12	0.25	9.500	16	33.6	11.81	16	33.6	F8	16	7354	A -10 5460
58		8.0A	36 15.646	0.0032	12	-8 34 33.51	0.010	12	0.25	15.594	16	33.6	33.68	16	33.6	F2	16	7356	A -8 5421
59		8.5A	36 18.386	0.0021	09	-4 48 55.12	-0.014	09	0.22	18.352	16	33.6	54.89	16	33.6	K0	17	7169	A -5 5334
60		9.0A	36 20.241	0.0010	12	-6 52 42.37	0.006	12	0.25	20.224	16	33.6	42.47	16	33.6	K0	16	7358	A -7 5357
61		8.9A	36 21.416	-0.0025	12	-8 54 36.99	-0.008	12	0.25	21.457	16	33.6	36.86	16	33.6	K0	16	7357	A -9 5532
62		9.1A	36 25.110	0.0029	12	-7 5 29.77	-0.025	12	0.25	25.062	16	33.6	29.36	16	33.6	G5	16	7359	A -7 5360
63		6.6T	36 27.535	-0.0000	07	-5 6 22.94	0.021	06	0.29	27.536	09	08.9	23.83	07	08.4	K0	GC	28747	-5 5335
64		8.6A	36 31.148	0.0011	12	-6 20 3.81	0.024	12	0.25	31.130	16	33.6	4.20	16	33.6	A0	16	7360	A -6 5548
65		9.0A	36 32.310	0.0015	09	-0 31 39.61	-0.010	11	0.22	32.290	17	36.6	39.48	17	36.6	K0 R	21	5232	A -0 4061
66		6.3T	36 37.163	0.0002	05	-2 35 23.74	0.012	04	0.28	37.151	12	98.3	24.42	10	93.9	B9	GC	28752	B* -2 5328
67		7.4A	36 38.363	-0.0010	12	-6 22 6.32	-0.031	12	0.25	38.379	16	33.6	6.83	16	33.6	K5	16	7362	A -6 5546
68		8.8A	36 38.521	-0.0003	12	-7 34 0.91	-0.007	12	0.25	38.526	16	33.6	0.80	16	33.6	K0	16	7361	A -7 5362
69		8.6A	36 41.635	-0.0021	09	-0 4 9.22	0.009	11	0.22	41.663	17	36.6	9.35	17	36.6	K2 R	21	5233	A -0 4063
70		8.4A	36 41.967	-0.0016	12	-8 31 0.67	0.020	12	0.25	41.993	16	33.6	1.00	16	33.6	F5	16	7363	A -8 5423
71		8.1A	36 46.226	-0.0015	12	-7 54 34.81	-0.025	11	0.24	46.250	16	33.6	34.40	16	33.6	G5	16	7364	A -8 5424
72		9.3A	36 52.591	0.0007	12	-9 13 59.85	0.017	12	0.25	52.579	16	33.6	+ 0.13	16	33.6	G0	16	7365	A -9 5534
73		8.5A	36 56.305	0.0014	09	-5 1 54.10	-0.001	09	0.22	56.282	16	33.6	54.09	16	33.6	G0	17	7172	A -5 5337
74		9.4A	37 0.698	-0.0016	11	-9 40 33.06	0.002	11	0.23	0.724	16	33.6	33.09	16	33.6	K0	16	7366	A -10 5465
75		8.0A	37 13.077	0.0006	12	-7 45 2.12	-0.005	12	0.25	13.066	16	33.6	2.04	16	33.6	K0	16	7367	A -8 5426
76		9.0A	37 21.795	0.0010	12	-7 55 52.75	0.001	12	0.25	21.778	16	33.6	52.77	16	33.6	A2	16	7368	A -8 5427
77		8.9A	37 31.601	-0.0013	12	-6 1 25.39	0.019	12	0.25	31.621	16	33.6	25.70	16	33.6	F8	16	7370	A -6 5550
78		8.8A	37 32.531	0.0026	12	-6 55 30.67	0.014	12	0.25	32.489	16	33.6	30.90	16	33.6	K0	16	7369	A -7 5364
79		9.0A	37 34.189	-0.0010	12	-5 58 31.48	0.009	12	0.25	34.205	16	33.6	31.63	16	33.6	F8	16	7371	A -6 5552
80		9.6A	37 34.884	0.0010	12	-6 28 52.57	-0.001	12	0.25	34.868	16	33.6	52.55	16	33,6	B5 R	16	7372	A -6 5551
81		6.7T	37 36.281	-0.0006	07	-2 49 54.45	-0.072	06	0.38	36.312	12	96.6	50.52	12	95.4	K0	GC	28792	-3 4981
82		9.2A	37 39.554	-0.0023	12	-7 29 56.31	0.004	12	0.25	39.591	16	33.6	56.38	16	33.6	K0	16	7373	A -7 5365
83		9.0A	37 43.603	0.0009	09	-3 47 34.01	0.014	09	0.22	43.589	16	33.6	34.24	16	33.6	K2 F	17	7174	A -4 5213
84		9.2A	37 47.483	0.0004	12	-7 1 14.87	0.011	12	0.25	47.476	16	33.6	15.05	16	33.6	K5 R	16	7374	A -7 5367
85		8.6A	37 50.037	-0.0024	12	-9 35 8.56	-0.024	12	0.25	50.076	16	33.6	8.17	16	33.6	G0	16	7375	A -9 5537
86		8.8A	37 52.400	0.0009	09	-3 59 57.56	-0.017	09	0.22	52.386	16	33.6	57.28	16	33.6	F5	17	7175	A -4 5216
87		9.2A	38 1.770	-0.0008	09	-1 46 27.85	-0.061	09	0.22	1.783	16	33.6	26.85	16	33.6	G0 R	17	7176	A -2 5330
88		8.2A	38 5.959	0.0018	12	-6 58 31.20	-0.012	12	0.25	5.929	16	33.6	31.01	16	33.6	G0	16	7376	A -7 5369
89		8.5A	38 13.003	-0.0013	12	-8 48 58.92	0.014	12	0.25	13.024	16	33.6	59.15	16	33.6	K0	16	7377	A -9 5540
90		8.6A	38 14.912	-0.0014	12	-6 57 38.59	-0.002	12	0.25	14.935	16	33.6	38.56	16	33.6	G5	16	7378	A -7 5372
91		7.8A	38 17.014	-0.0003	12	-8 13 18.16	-0.008	12	0.25	17.020	16	33.6	18.03	16	33.6	G5	16	7379	A -8 5431
92		9.0A	38 19.760	-0.0047	09	-0 46 32.14	-0.037	11	0.22	19.823	17	36.6	31.65	17	36.6	F8	21	5241	A -1 4025
93		8.6A	38 20.848	0.0013	12	-9 42 6.14	-0.041	12	0.25	20.826	16	33.6	5.47	16	33.6	K0	16	7380	A -10 5472
94		8.7A	38 23.078	0.0003	12	-8 5 39.96	0.015	12	0.25	23.073	16	33.6	40.21	16	33.6	K2	16	7382	A -8 5432
95		8.8A	38 23.399	-0.0004	12	-7 2 13.67	-0.002	12	0.25	23.406	16	33.6	13.64	16	33.6	A0	16	7383	A -7 5373
96		8.0A	38 24.548	0.0059	12	-9 49 21.17	-0.011	12	0.25	24.451	16	33.6	20.99	16	33.6	K0	16	7381	A -10 5473
97		9.0A	38 35.439	-0.0002	09	-2 51 29.35	-0.011	09	0.22	35.442	16	33.6	29.18	16	33.6	K0 F	17	7179	A -3 4984
98		8.7A	38 35.698	0.0012	09	-3 55 23.98	0.002	09	0.22	35.680	16	33.6	24.01	16	33.6	F2	17	7178	A -4 5220
99		8.7Q	38 36.187	-0.0006	09	-1 15 33.32	0.001	05	0.40	36.212	18	05.4	33.39	17	90.1	K2	GC	28819K	B* -1 4027
00		8.8A	38 37.895	0.0010	09	-4 17 2.56	0.001	09	0.22	37.879	16	33.6	2.57	16	33.6	K0	17	7180	A -4 5221

144700

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	EPOCH 1950 μ_α s	EPOCH 1950 σ_μ .001	EPOCH 1950 δ_{1950} ° ′ ″	EPOCH 1950 μ'_δ ″	EPOCH 1950 σ_μ .001	EPOCH 1950 σ_{1950} ″	ORIGINAL EPOCH α_2 s	ORIGINAL EPOCH σ .01	ORIGINAL EPOCH ep.	ORIGINAL EPOCH δ_2 ″	ORIGINAL EPOCH σ' .01	ORIGINAL EPOCH ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	DM NUMBER
																			− 0° 20H
1		9.0A	20 38 39.937	0.0005	11	-5 23 4.26	-0.011	11	0.23	39.930	16	33.6	4.09	16	33.6	K5	17	7181	A -5 5344
2		7.7A	38 45.289	0.0003	12	-6 10 37.05	0.002	12	0.25	45.284	16	33.6	37.08	16	33.6	K0	16	7384	A -6 5558
3		8.5A	38 46.566	-0.0012	12	-7 22 29.26	-0.018	12	0.25	46.586	16	33.6	28.97	16	33.6	K0	16	7385	A -7 5376
4		8.8A	38 47.255	0.0034	11	-2 29 7.65	-0.073	11	0.23	47.200	16	33.6	6.46	16	33.6	K2	17	7182	A -2 5335
5		9.3A	38 48.185	0.0023	12	-6 53 43.19	0.018	12	0.25	48.147	16	33.6	43.49	16	33.6	A0	16	7386	A -7 5377
6		8.9A	38 52.262	0.0023	12	-8 58 53.02	-0.071	12	0.25	52.223	16	33.6	51.86	16	33.6	G5	16	7387	A -9 5546
7		9.0A	38 58.005	-0.0014	09	-1 42 38.47	-0.006	11	0.22	58.024	17	36.6	38.39	17	36.6	M0	R 21	5243	A -2 5336
8		8.7A	38 58.886	0.0009	09	-0 11 22.97	-0.015	11	0.22	58.854	17	36.6	22.77	17	36.6	A5	21	5244	A -0 4068
9		8.5A	39 5.381	0.0005	11	-1 58 13.30	0.016	11	0.23	5.373	16	33.6	13.57	16	33.6	A2	17	7184	A -2 5337
10		8.4A	39 5.614	0.0019	11	-6 40 54.30	0.009	11	0.23	5.583	16	33.6	54.45	16	33.6	A0	16	7388	A -7 5378
11		9.0A	39 9.339	-0.0027	13	-4 40 21.35	-0.030	13	0.27	9.384	16	33.6	20.85	16	33.6	G0	17	7185K	A -5 5347
12		9.0A	39 9.980	0.0003	12	-8 40 24.49	-0.034	12	0.25	9.975	16	33.6	23.93	16	33.6	F5	16	7389	A -9 5547
13		8.0A	39 11.578	-0.0022	09	-3 34 50.85	-0.052	09	0.22	11.614	16	33.6	50.00	16	33.6	F8	17	7186	A -3 4987
14		9.5A	39 12.139	0.0010	12	-8 43 31.65	-0.010	12	0.25	12.123	16	33.6	31.49	16	33.6	K	R 16	7390	A -9 5549
15		8.2A	39 12.832	-0.0004	12	-7 47 58.33	0.011	12	0.25	12.838	16	33.6	58.51	16	33.6	A0	16	7392	A -8 5439
16		8.2A	39 13.062	0.0035	12	-8 57 8.73	0.040	12	0.25	13.004	16	33.6	9.38	16	33.6	K0	16	7391	A -9 5550
17		8.7Q	39 14.775	-0.0009	10	-2 12 3.05	-0.041	07	0.43	14.814	15	05.5	1.07	14	01.5	F8	GC	28833	-2 5338
18		9.0A	39 16.908	-0.0005	09	-5 9 9.68	-0.008	09	0.22	16.917	16	33.6	9.56	16	33.6	K0	17	7187	A -5 5348
19		9.4A	39 18.997	-0.0013	11	-6 3 12.58	-0.009	11	0.23	19.019	16	33.6	12.43	16	33.6	G5	16	7393	A -6 5560
20		9.2A	39 20.876	-0.0002	09	-2 38 52.36	0.001	09	0.22	20.878	16	33.6	52.38	16	33.6	K0	17	7189	A -2 5340
21		9.0A	39 35.496	-0.0010	09	-3 41 36.25	-0.015	09	0.22	35.512	16	33.6	36.00	16	33.6	K0	F 17	7190	A -4 5228
22		9.2A	39 36.904	-0.0017	09	-1 35 59.03	-0.006	11	0.22	36.926	17	36.6	58.95	17	36.6	K2	R 21	5247	A -1 4031
23		9.0A	39 44.263	0.0004	12	-8 49 10.93	-0.027	12	0.25	44.256	16	33.6	10.49	16	33.6	K0	16	7394	A -9 5552
24		9.4A	39 50.083	0.0002	12	-3 33 46.49	-0.033	12	0.25	50.081	16	33.6	45.95	16	33.6	G0	F 17	7192	A -3 4989
25		7.8A	39 51.004	-0.0046	09	-5 28 43.80	-0.154	11	0.22	51.080	16	33.6	41.29	16	33.6	G0	17	7191	A -5 5349
26		7.1T	39 51.476	0.0009	10	-2 30 24.40	0.007	10	0.56	51.424	14	94.7	24.78	14	95.8	A2	GC	28848	-2 5343
27		8.4A	40 2.672	0.0115	11	-2 32 36.20	0.024	11	0.23	2.483	16	33.6	36.60	16	33.6	G0	17	7195	A -2 5345
28		9.4A	40 4.156	-0.0020	12	-8 58 55.54	-0.027	12	0.25	4.188	16	33.6	55.10	16	33.6	K5	16	7395	A -9 5554
29		9.0A	40 11.051	-0.0005	09	-1 37 7.58	-0.041	11	0.22	11.057	17	36.6	7.03	17	36.6	F8	21	5250	A -1 4034
30		8.9A	40 17.027	0.0050	12	-8 16 48.01	0.043	12	0.25	16.945	16	33.6	48.72	16	33.6	G0	16	7396	A -8 5443
31		9.0A	40 19.266	-0.0006	12	-6 32 49.55	-0.002	12	0.25	19.277	16	33.6	49.52	16	33.6	A0	16	7397	A -6 5564
32		9.0A	40 29.613	-0.0015	09	-1 19 39.77	-0.046	11	0.22	29.634	17	36.6	39.16	17	36.6	M0	R 21	5251	A -1 4035
33		9.0A	40 37.422	0.0019	11	-1 46 35.80	-0.017	09	0.22	37.391	16	33.6	35.53	16	33.6	A2	17	7197	A -2 5349
34		9.0A	40 40.151	0.0007	11	-5 20 43.21	0.000	11	0.23	40.140	16	33.6	43.22	16	33.6	K0	17	7196	A -5 5354
35		9.2A	40 43.726	-0.0021	17	-9 58 22.29	-0.054	18	0.33	43.760	18	33.6	21.40	16	33.6	G0	J 11	7331	A -10 5484
36		9.0A	40 44.701	-0.0095	09	-2 40 39.31	-0.199	09	0.22	44.857	16	33.6	36.05	16	33.6	G0	R 17	7198	A -3 4995
37		8.7A	40 45.188	0.0001	12	-6 24 17.22	0.025	12	0.25	45.185	16	33.6	17.63	16	33.6	G5	16	7398	A -6 5566
38		8.7A	40 50.970	-0.0002	09	-4 38 17.79	-0.013	09	0.22	50.974	16	33.6	17.57	16	33.6	F0	17	7199	A -4 5236
39		8.0A	41 6.888	0.0040	09	-2 37 52.18	-0.018	09	0.22	6.822	16	33.6	51.89	16	33.6	K0	17	7201	A -2 5351
40		8.8A	41 7.774	0.0002	09	-4 54 37.67	-0.022	09	0.22	7.771	16	33.6	37.30	16	33.6	G5	17	7200	A -5 5355
41		8.8A	41 8.158	0.0036	12	-8 34 31.96	-0.113	12	0.25	8.100	16	33.6	30.11	16	33.6	F8	16	7399	A -8 5450
42		8.1A	41 14.648	0.0002	12	-6 8 6.94	-0.006	12	0.25	14.644	16	33.6	6.84	16	33.6	G5	16	7400	A -6 5567
43		7.5A	41 18.101	0.0006	12	-5 46 17.75	-0.013	12	0.25	18.091	16	33.6	17.54	16	33.6	F0	17	7202	A -6 5568
44		8.9A	41 28.425	0.0033	12	-7 45 59.72	-0.030	11	0.24	28.372	16	33.6	59.23	16	33.6	G0	16	7402	A -8 5452
45		8.9A	41 30.361	0.0010	09	-4 17 27.93	-0.004	09	0.22	30.345	16	33.6	27.86	16	33.6	K5	17	7203	A -4 5240
46		8.9A	41 31.846	-0.0001	12	-8 12 5.14	0.000	12	0.25	31.848	16	33.6	5.14	16	33.6	A2	16	7403	A -8 5453
47		7.8A	41 34.358	0.0023	12	-9 13 51.82	0.008	12	0.25	34.319	16	33.6	51.95	16	33.6	F0	16	7404	A -9 5560
48		7.2T	41 35.256	0.0002	10	-4 5 49.53	-0.011	09	0.58	35.243	15	90.5	48.86	15	89.4	K0	GC	28893	-4 5241
49		8.9A	41 36.676	0.0042	09	-4 57 55.81	-0.024	09	0.22	38.607	16	33.6	55.41	16	33.6	G5	17	7205	A -5 5358
50		9.2A	41 36.978	-0.0008	12	-9 47 31.74	-0.027	12	0.25	38.991	16	33.6	31.30	16	33.6	K0	16	7405	A -10 5487
51		9.1A	20 41 40.489	-0.0008	12	-7 32 35.08	0.007	12	0.25	40.504	16	33.6	35.20	16	33.6	K2	16	7406	A -7 5386
52		9.1A	41 41.539	-0.0005	12	-8 2 2.18	-0.003	12	0.25	41.548	16	33.6	2.13	16	33.6	K2	16	7407	A -8 5454
53		9.1A	41 43.173	-0.0015	12	-5 59 18.01	-0.016	12	0.25	43.198	16	33.6	17.75	16	33.6	K0	16	7409	A -6 5570
54		8.1A	41 44.127	0.0002	12	-8 36 34.28	0.006	12	0.25	44.123	16	33.6	34.38	16	33.6	A5	16	7408	A -8 5455
55		8.4A	41 48.899	0.0013	12	-9 9 25.58	0.003	12	0.25	48.877	16	33.6	25.63	16	33.6	F0	16	7410	A -9 5561
56		9.1A	41 52.780	0.0011	12	-9 14 42.78	0.045	12	0.25	52.761	16	33.6	43.52	16	33.6	K0	16	7411	A -9 5562
57		9.0A	41 54.879	-0.0013	09	-4 33 5.16	-0.012	11	0.22	54.901	16	33.6	4.96	16	33.6	K2	17	7207	A -4 5242
58		8.9A	42 0.500	0.0008	09	-2 31 27.44	-0.008	09	0.22	0.487	16	33.6	27.32	16	33.6	G0	17	7208	A -2 5357
59		8.6A	42 2.534	0.0008	09	-0 16 59.85	-0.014	11	0.22	2.523	17	36.6	59.67	17	36.6	A2	21	5257	A -0 4079
60		9.0A	42 4.445	0.0000	12	-9 27 44.97	-0.005	12	0.25	4.444	16	33.6	44.89	16	33.6	A0	16	7413	A -9 5563
61		9.3A	42 8.870	-0.0018	12	-7 42 28.16	-0.016	12	0.25	8.899	16	33.6	27.90	16	33.6	K2	R 16	7414	A -8 5459
62		7.9A	42 12.967	0.0007	12	-8 11 18.41	0.011	12	0.25	12.955	16	33.6	18.59	16	33.6	G0	16	7415	A -8 5460
63		9.0A	42 15.936	-0.0003	09	-1 32 58.83	-0.026	11	0.22	15.940	17	36.6	58.49	17	36.6	K2	21	5258	A -1 4041
64		8.1A	42 35.169	0.0012	12	-6 56 43.27	0.014	12	0.25	35.149	16	33.6	43.50	16	33.6	K0	16	7416	A -7 5389
65		8.4A	42 36.552	-0.0029	12	-6 20 24.11	-0.017	12	0.25	36.600	16	33.6	23.83	16	33.6	G0	16	7417	A -6 5573
66		8.0A	42 37.492	-0.0022	09	-1 13 31.06	-0.015	11	0.22	37.522	17	36.6	30.87	17	36.6	G5	21	5261	A -1 4043
67		8.3A	42 43.257	0.0011	12	-9 19 10.62	0.014	12	0.25	43.238	16	33.6	10.85	16	33.6	F2	16	7418	A -9 5567
68		8.7A	42 43.410	0.0008	12	-7 55 2.00	0.007	12	0.25	43.396	16	33.6	2.12	16	33.6	A0	16	7419	A -8 5464
69		8.8A	42 46.428	0.0020	12	-7 46 7.30	0.009	12	0.25	46.394	16	33.6	7.45	16	33.6	F8	16	7420	A -8 5465
70		8.8A	42 49.823	-0.0028	09	-0 59 14.54	-0.025	11	0.22	49.861	17	36.6	14.21	17	36.6	K5	R 21	5263	A -1 4044
71		9.1A	42 51.087	0.0002	12	-8 19 51.91	0.001	12	0.25	51.084	16	33.6	51.93	16	33.6	A0	16	7421	A -8 5466
72		9.2A	42 51.668	0.0007	12	-7 26 39.02	-0.003	12	0.25	51.656	16	33.6	38.97	16	33.6	F8	16	7422K	A -7 5391
73		9.5A	42 53.804	0.0034	12	-9 3 36.31	-0.088	12	0.25	53.747	16	33.6	34.87	16	33.6	K0	R 16	7423	A -9 5570
74		8.8A	42 55.892	0.0018	09	-4 37 17.83	0.009	09	0.22	55.863	16	33.6	17.97	16	33.6	F5	17	7210	A -4 5248
75		8.7A	42 59.698	-0.0016	09	-4 49 51.04	-0.002	09	0.22	59.724	16	33.6	51.00	16	33.6	A2	17	7211	A -5 5364
76		8.6A	43 0.524	-0.0029	09	-1 36 45.95	0.010	11	0.22	0.563	17	36.6	46.09	17	36.6	G0	21	5265	A -1 4046
77		8.6A	43 7.721	0.0000	12	-7 50 47.17	0.023	12	0.25	7.720	16	33.6	47.55	16	33.6	A3	16	7425	A -8 5468
78		8.8A	43 9.230	0.0005	09	-3 33 25.19	-0.003	09	0.22	9.222	16	33.6	25.15	16	33.6	G5	17	7213	A -3 5007
79		9.0A	43 9.682	0.0006	09	-2 28 33.87	-0.006	09	0.22	9.671	16	33.6	33.78	16	33.6	K0	17	7214	A -2 5361
80		8.4Q	43 15.994	-0.0009	12	-8 38 21.07	-0.007	11	0.56	16.036	18	05.6	20.74	18	02.5	F5	GC	28932	-8 5469
81		8.9A	43 17.122	0.0010	11	-3 20 42.48	-0.012	11	0.23	17.106	16	33.6	42.29	16	33.6	G0	17	7215	A -3 5009
82		9.3A	43 18.731	0.0004	12	-9 10 32.65	0.012	12	0.25	18.724	16	33.6	32.85	16	33.6	A0	16	7427	A -9 5572
83		8.6A	43 21.059	0.0003	12	-6 28 34.93	-0.014	12	0.25	21.054	16	33.6	34.70	16	33.6	A2	16	7428	A -6 5578
84		8.1A	43 24.447	-0.0006	09	-1 0 28.35	-0.020	11	0.22	24.455	17	36.6	28.09	17	36.6	G5	21	5267	A -1 4047
85		6.9T	43 28.991	-0.0010	09	-0 31 24.53	0.006	11	0.58	27.044	14	94.4	24.86	15	96.7	G5	GC	28937	-0 4089
86		9.0A	43 31.238	0.0002	12	-9 15 19.48	-0.000	12	0.25	31.235	16	33.6	19.48	16	33.6	K5	16	7429	A -9 5573
87		8.9A	43 38.998	0.0018	15	-9 59 48.88	-0.036	17	0.31	38.968	18	33.6	48.29	16	33.6	F8.	J 11	7352	A -10 5498
88		9.1A	43 44.867	-0.0017	11	-4 26 15.20	0.004	11	0.23	44.894	16	33.6	15.27	16	33.6	F8	17	7216	A -4 5252
89		8.7A	43 57.166	0.0005	15	-9 43 47.17	-0.129	15	0.30	57.158	18	33.6	45.06	16	33.6	G0	J 11	7357	A -10 5501
90		8.9A	43 57.705	0.0009	12	-9 26 34.48	0.008	12	0.25	57.690	16	33.6	34.61	16	33.6	K5	16	7431	A -9 5575
91		9.7A	43 57.900	-0.0004	11	-5 29 48.03	0.017	11	0.23	57.907	16	33.6	48.32	16	33.6	F8	R 17	7217	A -5 5370
92		9.5A	43 59.723	-0.0001	12	-8 0 2.70	-0.008	12	0.25	59.724	16	33.6	2.57	16	33.6	G5	R 16	7432	A -8 5472
93		8.4A	44 1.098	-0.0004	12	-6 9 51.67	-0.009	12	0.25	1.104	16	33.6	51.52	16	33.6	G5	16	7434	A -6 5579
94		8.5A	44 4.089	-0.0014	09	-4 25 26.45	-0.024	09	0.22	4.112	16	33.6	26.05	16	33.6	K0	17	7218	A -4 5256
95		8.8A	44 4.699	0.0094	12	-6 39 26.55	-0.010	12	0.25	4.546	16	33.6	26.39	16	33.6	G0	16	7435	A -7 5398
96		9.2A	44 6.719	-0.0027	12	-7 39 38.84	-0.021	12	0.25	6.763	16	33.6	38.50	16	33.6	K2	16	7436	A -8 5473
97		8.3A	44 8.296	0.0001	13	-4 14 25.32	0.010	13	0.27	8.295	16	33.6	25.49	16	33.6	K0	17	7219	A -4 5257
98		9.0A	44 8.330	0.0014	09	-2 50 35.35	-0.006	09	0.22	8.306	16	33.6	35.25	16	33.6	K0	F 17	7221	A -3 5013
99		9.1A	44 9.111	-0.0014	17	-5 6 49.45	-0.041	17	0.31	9.134	16	33.6	48.79	16	33.6	G0	17	7220	A -5 5371
00		8.8A	44 10.751	-0.0010	09	-1 1 11.16	-0.019	11	0.22	10.765	17	36.6	10.91	17	36.6	A0	21	5269	A -1 4050

144800

EPOCH 1950 — ORIGINAL EPOCH — SOURCE — − 00° 20H

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	DM NUMBER
1		8.0A	20 44 13.977	0.0004	11	-2 53 55.95	0.011	11	0.23	13.971	16	33.6	56.13	16	33.6	A2	17	7222	A -3 5017
2		6.3T	44 27.806	-0.0013	13	-2 40 15.02	-0.013	12	0.71	27.676	15	94.8	14.33	15	96.6	K2	GC	28968	-3 5018
3		8.2A	44 29.097	0.0026	13	-1 52 40.89	0.003	13	0.27	29.056	16	33.6	40.95	16	33.6	K0	17	7224	A -2 5366
4		9.0A	44 34.676	-0.0003	09	-1 31 35.16	-0.041	11	0.22	34.680	17	36.6	34.61	17	36.6	K0	21	5271	A -1 4052
5		8.0T	44 36.019	0.0006	07	-5 16 3.06	-0.010	07	0.38	35.991	15	99.9	2.59	15	00.8	F2	GC	28970	-5 5372
6		8.8A	44 41.925	0.0011	12	-8 38 0.93	0.014	12	0.25	41.906	16	33.6	1.16	16	33.6	G5	16	7437	A -8 5476
7		9.4A	44 47.858	0.0016	12	-8 15 42.67	-0.030	12	0.25	47.831	16	33.6	42.18	16	33.6	K2 R	16	7439	A -8 5477
8		9.3A	44 48.126	0.0008	12	-9 12 55.50	0.026	12	0.25	48.113	16	33.6	55.93	16	33.6	F8	16	7438	A -9 5579
9		8.8A	44 55.784	-0.0009	09	-0 36 47.77	-0.015	11	0.22	55.796	17	36.6	47.37	17	36.6	A2	21	5272	A -0 4092
10		3.8H	44 58.218	0.0022	01	-9 40 48.21	-0.032	01	0.04	58.129	02	09.7	46.91	02	09.5	A0	F4	781	-10 5506
11		9.2A	44 59.292	0.0008	13	-5 18 5.90	-0.006	13	0.27	59.279	16	33.6	5.81	16	33.6	MC R	17	7227	A -5 5376
12		8.6A	44 59.504	-0.0003	12	-7 17 45.16	-0.003	12	0.25	59.509	16	33.6	45.11	16	33.6	K0	16	7441	A -7 5402
13		9.1A	45 5.547	0.0030	12	-6 13 26.80	-0.019	12	0.25	5.498	16	33.6	26.49	16	33.6	G5	16	7442	A -6 5586
14		4.6H	45 5.974	-0.0001	01	-5 12 43.27	-0.037	01	0.06	5.976	04	15.6	41.83	03	11.7	M0	F4	1543	-5 5378
15		8.9A	45 21.946	0.0011	12	-9 28 53.12	0.004	12	0.25	21.927	16	33.6	53.18	16	33.6	A0	16	7443	A -9 5581
16		7.6A	45 25.774	0.0002	15	-9 56 2.64	0.011	17	0.31	25.770	18	33.6	2.82	16	33.6	K0 J	11	7362	A -10 5508
17		9.0A	45 27.424	0.0008	12	-7 26 4.89	0.009	12	0.25	27.411	16	33.6	5.04	16	33.6	K0	16	7444	A -7 5407
18		8.8A	45 29.764	0.0005	12	-6 59 11.42	-0.005	12	0.25	29.756	16	33.6	11.34	16	33.6	F5	16	7445	A -7 5408
19		8.8A	45 29.795	-0.0009	12	-6 23 26.37	0.015	12	0.25	29.810	16	33.6	26.61	16	33.6	K0	16	7446	A -6 5587
20		8.7A	45 30.528	0.0016	13	-3 13 24.43	-0.007	13	0.27	30.501	16	33.6	24.32	16	33.6	A5	17	7229K	A -3 5022
21		8.2A	45 31.505	0.0032	12	-6 12 27.37	0.019	12	0.25	31.452	16	33.6	27.68	16	33.6	G0	16	7447	A -6 5588
22		9.0A	45 34.716	-0.0011	11	-1 48 43.88	-0.002	11	0.23	34.735	16	33.6	43.85	16	33.6	K0 R	17	7231	A -2 5370
23		9.0A	45 34.854	0.0013	13	-2 49 31.41	-0.023	13	0.27	34.832	16	33.6	31.04	16	33.6	K0	17	7230	A -3 5023
24		7.5A	45 37.712	-0.0004	11	-4 49 30.04	-0.048	11	0.23	37.720	16	33.6	29.25	16	33.6	K2	17	7232	A -5 5382
25		8.8A	45 40.154	-0.0003	09	-0 29 5.98	0.004	11	0.22	40.158	17	36.6	6.04	17	36.6	A5	21	5274	A -0 4096
26		8.4A	45 40.463	-0.0011	09	-0 21 4.58	-0.013	11	0.22	40.478	17	36.6	4.41	17	36.6	K5	21	5275	A -0 4097
27		8.5A	45 45.645	-0.0012	17	-9 51 7.32	-0.052	18	0.33	45.664	18	33.6	6.47	16	33.6	F5 J	11	7370	A -10 5511
28		8.7A	45 47.040	-0.0015	12	-6 59 4.90	0.006	12	0.25	47.065	16	33.6	5.00	16	33.6	F8	16	7448	A -7 5410
29		8.8A	45 52.633	0.0004	11	-3 46 29.61	-0.019	11	0.23	52.626	16	33.6	29.30	16	33.6	K5	17	7233	A -4 5264
30		9.1A	45 54.187	-0.0004	12	-9 0 36.88	0.030	12	0.25	54.187	16	33.6	37.37	16	33.6	G5	16	7449	A -9 5583
31		8.8A	45 57.522	0.0011	11	-4 57 40.49	-0.000	11	0.23	57.505	16	33.6	40.48	16	33.6	K5	17	7234	A -5 5383
32		9.2A	46 4.122	0.0013	12	-6 7 19.11	0.013	12	0.25	4.101	16	33.6	19.32	16	33.6	K0	16	7450	A -6 5589
33		8.9A	46 17.193	0.0024	13	-2 25 15.37	0.018	13	0.27	17.154	16	33.6	15.67	16	33.6	A5	17	7235K	A -2 5371
34		9.2A	46 19.779	0.0005	12	-6 55 56.44	-0.139	12	0.25	19.771	16	33.6	54.16	16	33.6	G5	16	7451	A -7 5411
35		9.4A	46 25.047	-0.0003	09	-2 36 50.73	-0.024	09	0.22	25.051	16	33.6	50.34	16	33.6	K2 F	17	7236	A -2 5373
36		9.2A	46 26.313	0.0003	12	-7 15 43.25	0.006	12	0.25	26.308	16	33.6	43.35	16	33.6	G5	16	7453	A -7 5412
37		9.0A	46 27.634	0.0021	12	-8 57 11.81	-0.081	12	0.25	27.600	16	33.6	10.48	16	33.6	K0	16	7452	A -9 5586
38		9.3A	46 33.332	0.0008	09	-3 13 6.59	-0.021	13	0.25	33.318	16	33.6	6.25	16	33.6	K2 F	17	7237	A -3 5028
39		9.0A	46 37.691	-0.0005	09	-4 46 41.56	-0.017	09	0.22	37.699	16	33.6	41.27	16	33.6	K0	17	7238	A -5 5385
40		8.0A	46 37.836	0.0009	12	-8 58 47.89	-0.000	12	0.25	37.820	16	33.6	47.89	16	33.6	MA	16	7454	A -9 5587
41		6.5H	46 42.971	-0.0020	02	-0 44 57.26	-0.015	03	0.07	43.019	04	25.8	56.87	04	24.5	M3	F4	1545	-1 4057
42		9.5A	46 45.421	-0.0008	11	-5 2 23.43	-0.015	11	0.23	45.434	16	33.6	23.19	16	33.6	K0	17	7239	A -5 5387
43		8.8A	46 48.403	0.0003	09	-0 52 6.02	0.009	11	0.22	48.400	17	36.6	6.15	17	36.6	K0	21	5281	A -1 4058
44		8.4A	46 49.197	-0.0234	11	-8 50 12.22	-0.140	11	0.23	49.570	16	33.6	9.93	16	33.6	G0	16	7456	A -9 5590
45		9.0A	46 50.388	0.0026	12	-9 38 23.46	-0.006	12	0.25	50.345	16	33.6	23.36	16	33.6	F5	16	7455	A -9 5589
46		8.6A	46 59.875	-0.0001	09	-4 4 31.92	0.013	09	0.22	59.876	16	33.6	32.13	16	33.6	K0	17	7240	A -4 5270
47		9.3A	47 4.926	-0.0008	13	-2 52 54.20	0.002	13	0.27	4.938	16	33.6	54.23	16	33.6	M1 F	17	7241	A -3 5035
48		8.5A	47 9.005	0.0016	09	-4 3 31.45	0.004	09	0.22	8.980	16	33.6	31.52	16	33.6	F0	17	7242	A -4 5271
49		7.8A	47 9.031	0.0022	12	-6 53 2.05	0.024	12	0.25	8.995	16	33.6	2.44	16	33.6	F8	16	7457	A -7 5413
50		8.9A	47 12.613	0.0012	13	-3 47 41.40	-0.062	13	0.27	12.594	16	33.6	40.39	16	33.6	F5	17	7243	A -4 5273
51		9.2A	20 47 12.980	0.0000	12	-9 1 43.80	-0.049	12	0.25	12.979	16	33.6	43.00	16	33.6	G5	16	7458	A -9 5591
52		7.8A	47 15.846	0.0008	09	-0 30 40.32	-0.003	11	0.22	15.835	17	36.6	40.29	17	36.6	K2	21	5284	A -0 4106
53		8.9A	47 15.975	0.0004	09	-1 41 55.61	-0.006	09	0.22	15.969	16	33.6	55.52	16	33.6	F2	17	7245	A -2 5375
54		6.8I	47 18.050	-0.0011	13	-5 20 1.14	-0.011	10	0.69	18.111	19	96.4	0.50	17	90.5	M3E	GC	29038V	B* -5 5390
55		9.4A	47 20.193	-0.0039	09	-2 26 15.56	-0.041	09	0.22	20.258	16	33.6	14.89	16	33.6	F5	17	7246	A -2 5376
56		8.5A	47 23.582	0.0011	15	-9 59 39.84	-0.039	17	0.31	23.564	18	33.6	39.20	16	33.6	K5 J	11	7380	A -10 5518
57		8.8A	47 23.713	-0.0009	09	-7 40 28.17	-0.016	09	0.22	23.728	16	33.6	27.91	16	33.6	F8	16	7459	A -8 5487
58		9.0A	47 32.024	0.0110	09	-2 50 25.89	-0.044	11	0.22	31.844	16	33.6	25.17	16	33.6	G0	17	7247	A -3 5038
59		8.3A	47 42.117	0.0007	09	-5 18 13.93	0.007	09	0.22	42.105	16	33.6	14.05	16	33.6	B9	17	7248	A -5 5393
60		9.3A	47 44.180	0.0017	13	-2 35 8.35	-0.097	13	0.27	44.152	16	33.6	6.76	16	33.6	G5 F	17	7249	A -2 5377
61		8.7A	47 44.298	0.0008	13	-1 44 55.94	0.006	13	0.27	44.283	16	33.6	56.04	16	33.6	K2	17	7250	A -2 5378
62		9.4A	47 48.768	-0.0014	11	-5 26 43.87	0.006	11	0.23	48.791	16	33.6	43.98	16	33.6	K5 R	17	7251	A -5 5394
63		9.2A	47 54.923	0.0026	11	-3 49 14.75	-0.003	11	0.23	54.881	16	33.6	14.70	16	33.6	K2 F	17	7252	A -4 5275
64		8.7A	47 57.853	0.0018	12	-6 3 57.14	0.022	12	0.25	57.823	16	33.6	57.51	16	33.6	F0	16	7461	A -6 5600
65		8.8A	47 59.442	0.0005	12	-9 40 2.84	0.005	12	0.25	59.434	16	33.6	2.92	16	33.6	G0	16	7460	A -10 5521
66		9.4A	48 3.395	-0.0006	12	-7 0 43.64	0.011	11	0.24	3.404	16	33.6	43.82	16	33.6	K0 R	16	7462	A -7 5416
67		8.0A	48 4.107	0.0020	11	-4 58 42.20	-0.004	13	0.25	4.075	16	33.6	42.13	16	33.6	F8	17	7253	A -5 5396
68		9.5A	48 9.643	-0.0008	13	-1 51 30.76	-0.014	13	0.27	9.657	16	33.6	30.54	16	33.6	G2 F	17	7255	A -2 5382
69		9.0A	48 12.656	0.0011	13	-3 32 35.29	-0.002	13	0.27	12.639	16	33.6	35.26	16	33.6	K5	17	7256	A -3 5043
70		9.1A	48 13.412	-0.0014	09	-2 56 39.77	-0.032	11	0.22	13.435	16	33.6	39.25	16	33.6	K0	17	7257	A -3 5044
71		9.4A	48 19.278	-0.0012	09	-2 42 44.17	-0.008	09	0.22	19.298	16	33.6	44.04	16	33.6	K8 F	17	7258	A -3 5045
72		9.4A	48 23.558	0.0014	11	-6 50 19.27	0.016	11	0.23	23.535	16	33.6	19.53	16	33.6	G0 R	16	7463	A -7 5417
73		9.0A	48 36.341	-0.0010	09	-1 17 26.71	0.003	11	0.22	36.355	17	36.6	26.76	17	36.6	K5 R	21	5288	A -1 4061
74		8.7A	48 40.466	-0.0003	11	-8 7 59.60	0.001	11	0.23	40.472	16	33.6	59.62	16	33.6	K2	16	7464	A -8 5495
75		9.1A	48 41.806	-0.0011	13	-5 47 0.97	0.017	13	0.27	41.824	16	33.6	1.26	16	33.6	K0 R	17	7259	A -6 5603
76		8.0A	48 42.124	0.0010	09	-4 28 28.13	-0.012	09	0.22	42.109	16	33.6	27.93	16	33.6	A0	17	7260	A -4 5280
77		6.0T	48 46.697	0.0064	03	-5 48 52.80	0.001	03	0.18	46.377	09	99.7	52.87	07	93.6	F2	GC	29078K	B* -6 5604
78		9.2A	48 48.937	0.0011	09	-3 48 36.83	0.017	09	0.22	48.920	16	33.6	37.11	16	33.6	G8 F	17	7262	A -4 5281
79		9.0A	49 2.001	-0.0031	09	-1 20 22.68	-0.022	11	0.22	2.043	17	36.6	22.39	17	36.6	F8 R	21	5290	A -1 4062
80		9.2A	49 6.824	-0.0002	09	-2 58 44.36	-0.005	09	0.22	6.826	16	33.6	44.28	16	33.6	K2 F	17	7263	A -3 5047
81		8.4T	49 10.613	-0.0006	10	-4 59 5.11	-0.004	08	0.45	10.639	17	05.3	4.91	15	01.6	A0	GC	29085	-5 5401
82		9.2A	49 11.501	0.0016	09	-1 44 55.25	0.010	09	0.22	11.475	16	33.6	55.42	16	33.6	K R	17	7265	A -2 5387
83		8.8A	49 14.815	-0.0006	12	-9 13 57.96	-0.020	12	0.25	14.825	16	33.6	57.63	16	33.6	K2	16	7467	A -9 5595
84		8.6A	49 16.919	0.0001	12	-7 41 4.66	0.002	12	0.25	16.917	16	33.6	4.69	16	33.6	K0	16	7469	A -8 5590
85		8.7A	49 17.826	0.0003	12	-9 35 18.23	0.009	12	0.25	17.820	16	33.6	18.38	16	33.6	K0	16	7468	A -9 5596
86		8.4A	49 22.508	0.0002	12	-6 7 17.89	0.004	12	0.25	22.504	16	33.6	17.96	16	33.6	G5	16	7470	A -6 5605
87		8.6A	49 25.982	0.0009	09	-2 26 59.62	-0.016	09	0.22	25.968	16	33.6	59.36	16	33.6	A2	17	7266	A -2 5390
88		9.2A	49 29.196	0.0007	12	-7 33 42.12	-0.012	12	0.25	29.185	16	33.6	41.93	16	33.6	K0	16	7471	A -7 5423
89		5.5T	49 30.076	-0.0001	03	-5 41 44.64	0.003	03	0.20	30.083	10	97.0	44.81	09	98.2	B8	GC	29094	B* -6 5606
90		8.3T	49 40.763	0.0011	10	-4 53 30.38	-0.000	09	0.49	40.710	17	02.7	30.37	18	01.0	K2	GC	29101	-5 5402
91		8.2Q	49 41.713	0.0016	08	-0 18 28.40	-0.002	08	0.43	41.631	15	00.2	28.32	15	00.1	F5	GC	29102	-0 4117
92		8.0Q	49 44.938	-0.0006	07	-3 24 33.10	-0.040	07	0.39	44.967	12	97.7	31.02	14	97.8	M8	GC	29104	-3 5048
93		9.2A	49 47.500	0.0012	12	-9 3 24.13	0.006	12	0.25	47.480	16	33.6	24.23	16	33.6	F8	16	7473	A -9 5597
94		8.6A	49 48.324	-0.0003	11	-8 15 7.81	-0.002	11	0.23	48.330	16	33.6	7.78	16	33.6	A3	16	7474	A -8 5502
95		4.8H	49 57.475	0.0028	01	-9 10 19.76	-0.028	01	0.04	57.376	02	14.3	18.67	02	11.5	A3	F4	1547	-9 5598
96		8.5A	49 57.522	0.0028	12	-6 6 24.71	0.030	12	0.25	57.475	16	33.6	25.20	16	33.6	K0	16	7476	A -6 5608
97		8.8A	50 1.475	-0.0019	12	-6 59 38.91	-0.025	12	0.25	1.505	16	33.6	38.50	16	33.6	K0	16	7477	A -7 5426
98		9.1A	50 5.403	0.0007	12	-7 56 59.66	0.001	12	0.25	5.391	16	33.6	59.68	16	33.6	M8 R	16	7478	A -8 5503
99		9.1A	50 7.444	0.0017	09	-7 13 1.90	0.003	09	0.22	7.416	16	33.6	1.95	16	33.6	A0	16	7479	A -7 5428
00		8.9A	50 10.712	-0.0025	11	-7 16 5.84	-0.101	11	0.23	10.752	16	33.6	4.19	16	33.6	G5	16	7480	A -7 5429

144900

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	EPOCH 1950 μ_α s	EPOCH 1950 σ_{μ_α} ″.001	EPOCH 1950 δ_{1950} ° ′ ″	EPOCH 1950 μ_δ ″	EPOCH 1950 σ_{μ_δ} ″.001	EPOCH 1950 σ_{1950} ″	ORIGINAL EPOCH α_2 s	ORIGINAL EPOCH σ ″.01	ORIGINAL EPOCH ep.	ORIGINAL EPOCH δ_2 ″	ORIGINAL EPOCH σ' ″.01	ORIGINAL EPOCH ep.	SP.		SOURCE CAT.	SOURCE STAR NUMBER	DM NUMBER
1		8.8A	20 50 17.858	-0.0005	09	-0 47 36.38	-0.022	11	0.22	17.865	17	36.6	36.09	17	36.6	G5		21	5296	A -1 4065
2		8.4A	50 25.395	0.0008	09	-2 26 0.78	-0.053	09	0.22	25.382	16	33.6	-59.92	16	33.6	F8		17	7270	A -2 5392
3		9.0A	50 31.702	0.0005	09	-0 1 49.42	-0.026	11	0.22	31.695	17	36.6	49.08	17	36.6	A5	R	21	5297	A -0 4120
4		9.3A	50 33.746	-0.0004	09	-1 16 37.80	0.007	11	0.22	33.752	17	36.6	37.90	17	36.6	K0	R	21	5298	A -1 4066
5		9.2A	50 37.626	-0.0005	12	-5 53 40.22	-0.017	12	0.25	37.634	16	33.6	39.95	16	33.6	K0	R	16	7482	A -6 5614
6		9.1A	50 40.402	0.0008	12	-9 40 6.73	0.018	12	0.25	40.389	16	33.6	7.02	16	33.6	K0		16	7481	A -10 5539
7		8.7A	50 42.300	0.0029	09	-5 21 0.02	0.010	09	0.22	42.253	16	33.6	0.19	16	33.6	F0		17	7271	A -5 5407
8		9.2A	50 47.170	-0.0080	12	-7 30 14.82	-0.034	12	0.25	47.300	16	33.6	14.27	16	33.6	G0		16	7483	A -7 5432
9		8.8A	50 53.868	0.0009	08	-3 21 24.85	-0.006	09	0.22	53.854	16	33.6	24.76	16	33.6	A0		17	7272	A -3 5055
10		8.9A	50 54.528	0.0059	12	-6 25 49.01	-0.022	12	0.25	54.431	16	33.6	48.65	16	33.6	G5		16	7484	A -6 5615
11		8.8A	51 11.423	0.0010	11	-2 42 39.28	-0.003	11	0.23	11.406	16	33.6	39.24	16	33.6	K2		17	7273	A -3 5057
12		9.0A	51 12.609	-0.0003	12	-7 47 55.03	-0.011	12	0.25	12.614	16	33.6	54.85	16	33.6	G5		16	7485	A -8 5510
13		9.0A	51 13.198	0.0003	13	-4 47 16.89	-0.013	13	0.27	13.194	16	33.6	16.67	16	33.6	K2		17	7274	A -5 5409
14		8.8A	51 15.980	-0.0002	09	-0 55 26.45	-0.022	11	0.22	15.983	17	36.6	29.03	17	36.6	K5		21	5301	A -1 4068
15		6.5T	51 18.563	0.0020	07	-7 4 47.09	-0.025	06	0.40	18.445	12	09.8	45.53	12	07.3	F0		GC	29142	-7 5433
16		9.0A	51 23.063	0.0008	11	-8 10 9.19	0.005	11	0.23	23.050	16	33.6	9.28	16	33.6	K0		16	7487	A -8 5511
17		9.4A	51 23.538	-0.0000	09	-1 57 26.36	0.004	09	0.22	23.539	16	33.6	26.43	16	33.6	G8	F	17	7275	A -2 5394
18		6.7T	51 27.014	0.0050	10	-4 43 57.23	0.025	08	0.54	26.725	15	32.5	58.70	15	90.6	A3		GC	29149	-5 5410
19		9.0A	51 31.781	-0.0019	09	-4 6 5.28	-0.011	11	0.22	31.812	16	33.6	5.09	16	33.6	K2	F	17	7277	A -4 5294
20		9.0A	51 35.711	-0.0008	12	-9 37 28.09	0.012	12	0.25	35.724	16	33.6	28.29	16	33.6	K0		16	7488	A -9 5607
21		8.7A	51 40.485	0.0017	12	-8 42 8.33	0.020	12	0.25	40.456	16	33.6	8.66	16	33.6	F2		16	7489	A -9 5608
22		9.2A	51 41.705	-0.0005	09	-2 51 21.80	-0.007	09	0.22	41.714	16	33.6	21.92	16	33.6	K0	F	17	7278	A -3 5062
23		8.9A	51 42.089	0.0005	12	-9 1 7.17	-0.007	12	0.25	42.081	16	33.6	7.06	16	33.6	K0		16	7490	A -9 5609
24		9.1A	51 47.033	-0.0007	12	-8 19 59.53	-0.011	12	0.25	47.045	16	33.6	59.35	16	33.6	G5		16	7491	A -8 5514
25		8.7A	51 50.495	0.0001	12	-7 22 11.58	-0.007	09	0.25	50.493	16	33.6	11.47	16	33.6	F8		16	7492	A -7 5435
26		8.2A	51 56.679	0.0004	09	-5 39 22.23	-0.028	09	0.22	56.672	16	33.6	21.77	16	33.6	K0		17	7279	A -6 5619
27		8.9A	52 2.412	-0.0009	09	-0 53 15.21	-0.022	11	0.22	2.425	17	36.6	14.92	17	36.6	F5		21	5303K	A -1 4072
28		7.0T	52 4.836	0.0020	11	-9 4 25.30	-0.007	10	0.55	4.737	18	01.1	24.95	18	99.5	K0		GC	29167	-9 5611
29		8.5A	52 6.603	-0.0007	12	-8 22 18.62	-0.050	12	0.25	6.615	16	33.6	17.80	16	33.6	F5		16	7495	A -8 5516
30		9.0A	52 10.475	0.0011	13	-5 35 54.57	0.011	13	0.27	10.458	16	33.6	54.75	16	33.6	A2		17	7280	A -5 5411
31		9.2A	52 11.098	-0.0021	15	-4 9 30.08	0.039	15	0.29	11.132	16	33.6	30.71	16	33.6	K0	F	17	7281	A -4 5297
32		8.8A	52 11.714	0.0020	09	-0 21 8.07	-0.059	11	0.22	11.687	17	36.6	7.28	17	36.6	G0	F	21	5304	A -0 4122
33		9.2A	52 18.166	0.0059	09	-2 31 33.33	0.013	09	0.22	18.069	16	33.6	33.55	16	33.6	K2	F	17	7282	A -2 5399
34		8.2A	52 18.811	-0.0008	12	-7 59 33.42	0.001	12	0.25	18.824	16	33.6	33.44	16	33.6	K0		16	7497	A -8 5517
35		8.0A	52 19.096	0.0026	09	-1 34 0.95	-0.014	11	0.22	19.061	17	36.6	0.77	17	36.6	F5		21	5305	A -1 4073
36		8.0A	52 21.015	0.0023	09	-0 53 39.02	-0.028	11	0.22	20.984	17	36.6	38.65	17	36.6	F5		21	5306	A -1 4074
37		7.8B	52 23.486	0.0004	09	-7 22 3.14	-0.180	07	0.42	23.468	14	01.9	-54.15	14	00.0	G0		GC	29176	-7 5437
38		9.2A	52 24.554	0.0003	11	-5 40 17.16	-0.012	11	0.23	24.550	16	33.6	16.97	16	33.6	K5		17	7284	A -6 5624
39		9.0A	52 26.293	0.0014	13	-1 45 39.85	-0.018	13	0.27	26.270	16	33.6	39.56	16	33.6	K0		17	7285	A -2 5400
40		9.3A	52 30.466	0.0006	11	-2 51 22.56	-0.006	11	0.23	30.455	16	33.6	22.46	16	33.6	K3	F	17	7286	A -3 5065
41		6.6T	52 33.114	-0.0003	08	-1 33 53.97	0.023	08	0.44	33.129	12	97.2	55.19	12	97.3	F0		GC	29186	-1 4075
42		9.2A	52 37.185	0.0012	09	-3 12 8.19	-0.006	09	0.22	37.166	16	33.6	8.10	16	33.6	F7	F	17	7288	A -3 5066
43		9.1A	52 39.588	-0.0009	09	-4 8 28.37	0.005	09	0.22	39.604	16	33.6	28.70	16	33.6	K0	F	17	7289	A -4 5300
44		9.0A	52 39.693	0.0020	13	-2 9 54.15	0.017	13	0.27	39.681	16	33.6	54.43	16	33.6	G8	F	17	7290	A -2 5403
45		8.8A	52 40.994	0.0020	11	-8 4 34.52	-0.046	11	0.23	40.961	16	33.6	33.77	16	33.6	F8		16	7500	A -8 5519
46		9.0A	52 48.110	0.0011	12	-6 13 38.00	-0.030	12	0.25	48.092	16	33.6	37.52	16	33.6	K0		16	7501	A -6 5627
47		9.1A	52 52.765	0.0009	12	-8 53 5.61	0.012	12	0.25	52.751	16	33.6	5.81	16	33.6	K0		16	7502	A -9 5615
48		8.5A	52 52.990	0.0011	11	-4 0 14.59	0.003	09	0.22	52.973	16	33.6	14.63	16	33.6	K5		17	7291	A -4 5303
49		9.3A	53 1.319	0.0003	12	-6 53 27.26	-0.006	12	0.25	1.314	16	33.6	27.16	16	33.6	A0		16	7503	A -7 5441
50		8.7A	53 5.344	0.0017	11	-4 18 23.95	-0.163	11	0.23	5.317	16	33.6	21.28	16	33.6	G5		17	7292	A -4 5304
51		9.2A	20 53 8.686	-0.0013	11	-7 18 56.75	-0.052	11	0.23	8.707	16	33.6	55.90	16	33.6	G0		16	7504	A -7 5442
52		8.9A	53 15.429	0.0035	09	-3 52 30.44	-0.052	09	0.22	15.372	16	33.6	29.59	16	33.6	F8		17	7293	A -4 5305
53		8.2A	53 26.634	-0.0004	12	-7 54 31.10	-0.018	12	0.25	26.640	16	33.6	30.81	16	33.6	K0		16	7505	A -8 5523
54		9.7A	53 32.589	0.0009	12	-8 34 23.40	0.001	12	0.25	32.573	16	33.6	23.42	16	33.6	K5		16	7506	A -9 5616
55		8.1A	53 37.058	-0.0029	09	-0 33 14.98	-0.022	11	0.22	37.097	17	36.6	14.69	17	36.6	K5		21	5309	A -0 4126
56		9.4A	53 38.671	-0.0014	09	-0 25 18.51	-0.009	11	0.22	38.691	17	36.6	18.40	17	36.6	K0	R	21	5310	A -0 4125
57		6.5T	53 41.300	0.0016	12	-3 45 14.78	0.021	11	0.64	41.211	15	95.2	15.32	15	95.7	B9		GC	29212	-4 5307
58		8.9A	53 42.381	-0.0005	09	-5 6 16.35	0.006	09	0.22	42.390	16	33.6	16.46	16	33.6	K5		17	7295	A -5 5417
59		9.1A	53 42.829	-0.0003	09	-3 8 3.46	0.001	09	0.22	42.833	16	33.6	3.48	16	33.6	A0	F	17	7296	A -3 5072
60		8.3A	53 45.796	0.0009	11	-7 27 48.95	-0.019	11	0.23	45.781	16	33.6	48.64	16	33.6	MA		16	7507	A -7 5445
61		9.2A	53 53.203	0.0028	11	-1 45 39.35	-0.043	11	0.23	53.157	16	33.6	38.65	16	33.6	F8		17	7298	A -2 5408
62		9.2A	53 53.468	0.0013	13	-5 39 18.44	-0.008	13	0.27	53.447	16	33.6	18.32	16	33.6	F0		17	7297	A -6 5630
63		8.3A	53 59.240	0.0020	11	-7 8 56.08	-0.054	11	0.23	59.207	16	33.6	55.20	16	33.6	A5		16	7509	A -7 5448
64		8.0A	53 59.314	-0.0003	09	-1 15 22.53	0.008	11	0.22	59.318	17	36.6	22.65	17	36.6	G5		21	5312	A -1 4079
65		8.9A	53 59.875	0.0014	13	-2 8 40.05	-0.104	13	0.27	59.851	16	33.6	38.35	16	33.6	G0		17	7300	A -2 5409
66		9.2A	54 2.103	-0.0008	09	-5 9 4.63	-0.005	09	0.22	2.116	16	33.6	4.56	16	33.6	K0		17	7299	A -5 5421
67		7.3T	54 7.656	0.0005	12	-3 52 1.52	0.006	13	0.74	7.626	17	93.6	1.85	18	94.2	K0		GC	29218	-4 5311
68		5.7T	54 11.949	-0.0004	03	-9 53 25.41	-0.008	03	0.13	11.968	06	07.6	25.07	06	06.9	K2		GC	29220K	B+ -10 5553
69		9.1A	54 19.680	0.0012	09	-0 16 22.09	-0.017	11	0.22	19.665	17	36.6	21.87	17	36.6	A0		21	5314	A -0 4129
70		9.0A	54 22.888	0.0001	09	-1 15 7.48	-0.014	11	0.22	22.887	17	36.6	7.30	17	36.6	F2	R	21	5316	A -1 4080
71		9.2A	54 22.903	-0.0001	15	-9 52 14.38	0.024	17	0.31	22.904	18	33.6	14.77	16	33.6	M	J	11	7418	A -10 5554
72		8.6B	54 22.921	-0.0020	12	-6 39 49.13	0.008	09	0.53	23.015	17	03.4	49.53	15	00.5	A2		GC	29226	-7 5450
73		9.0A	54 25.583	-0.0002	11	-9 0 9.39	-0.033	11	0.23	25.586	16	33.6	8.85	16	33.6	K0		16	7511	A -9 5617
74		9.0A	54 29.469	0.0000	09	-4 11 37.18	-0.007	09	0.22	29.469	16	33.6	37.07	16	33.6	A0		17	7302	A -4 5315
75		9.3A	54 31.600	0.0012	11	-1 59 6.78	0.012	11	0.23	31.579	16	33.6	6.98	16	33.6	K8	F	17	7303	A -2 5411
76		8.8A	54 34.771	0.0013	09	-1 35 43.83	-0.002	11	0.22	34.754	17	36.6	43.81	17	36.6	A0		21	5317	A -1 4082
77		8.6B	54 52.721	0.0013	10	-3 23 47.95	0.005	08	0.44	52.659	15	03.3	48.19	14	01.5	M0		GC	29244	-3 5076
78		7.5A	54 59.765	-0.0003	12	-7 54 25.79	0.006	12	0.25	59.770	16	33.6	25.89	16	33.6	A0		16	7512	A -8 5529
79		8.5A	55 0.897	0.0015	13	-2 26 28.68	0.003	13	0.27	0.873	16	33.6	28.73	16	33.6	K2		17	7306	A -2 5413
80		9.2A	55 5.371	-0.0006	11	-2 27 3.33	-0.007	13	0.25	5.382	16	33.6	3.22	16	33.6	G8	F	17	7307	A -2 5414
81		8.7A	55 10.625	0.0008	11	-7 4 52.14	0.011	11	0.23	10.611	16	33.6	52.32	16	33.6	A0		16	7513	A -7 5455
82		9.2A	55 11.575	0.0003	09	-6 39 34.69	-0.032	09	0.22	11.570	16	33.6	34.17	16	33.6	A3		16	7514	A -7 5456
83		9.1A	55 12.381	0.0017	09	-3 42 27.71	-0.000	09	0.22	12.354	16	33.6	27.70	16	33.6	K0		17	7308	A -4 5318
84		9.4A	55 16.319	0.0005	13	-3 36 43.50	-0.033	13	0.27	16.311	16	33.6	42.96	16	33.6	M0	F	17	7309	A -3 5078
85		8.8A	55 23.836	0.0000	13	-2 39 35.22	-0.007	13	0.27	23.835	16	33.6	35.11	16	33.6	K8	F	17	7310	A -3 5079
86		8.8A	55 28.668	-0.0011	12	-6 22 7.80	0.010	12	0.25	28.685	16	33.6	7.97	16	33.6	F8		16	7515	A -6 5637
87		9.0A	55 33.908	0.0013	09	-3 19 8.92	-0.013	09	0.22	33.886	16	33.6	8.71	16	33.6	MA		17	7311	A -3 5080
88		8.7A	55 44.138	-0.0006	09	-1 58 4.53	0.027	09	0.22	44.147	16	33.6	4.98	16	33.6	A5		17	7312	A -2 5416
89		9.4A	55 47.162	-0.0006	12	-7 10 10.82	0.016	12	0.25	47.173	16	33.6	11.08	16	33.6	A5		16	7516	A -7 5458
90		9.1A	55 49.056	0.0005	09	-2 7 7.27	-0.003	09	0.22	49.048	16	33.6	7.23	16	33.6	K0		17	7313	A -2 5417
91		8.9A	55 51.308	-0.0016	12	-9 1 59.39	-0.033	12	0.25	51.335	16	33.6	58.85	16	33.6	K0		16	7517	A -9 5627
92		9.2A	55 56.576	-0.0003	12	-7 24 25.58	-0.006	12	0.25	56.581	16	33.6	25.48	16	33.6	G5		16	7518	A -7 5459
93		6.8T	56 8.064	-0.0016	09	-4 2 9.90	0.033	07	0.46	8.151	14	94.5	11.74	12	94.1	A3		GC	29269	-4 5321
94		9.1A	56 8.742	0.0014	11	-4 13 33.68	0.010	11	0.23	8.720	16	33.6	33.84	16	33.6	F0	F	17	7315	A -4 5322
95		8.9A	56 8.824	-0.0001	12	-9 32 44.15	-0.042	12	0.25	8.825	16	33.6	43.46	16	33.6	F8		16	7519K	A -9 5631
96		8.9A	56 12.182	0.0004	12	-9 30 36.48	-0.046	12	0.25	12.175	16	33.6	35.73	16	33.6	G0		16	7520	A -9 5632
97		7.6B	56 12.926	0.0007	08	-3 30 44.81	-0.030	07	0.44	12.888	14	95.9	43.22	14	97.0	F2		GC	29272	-3 5064
98		9.0A	56 13.403	-0.0024	11	-8 22 39.11	-0.017	11	0.23	13.443	16	33.6	38.83	16	33.6	K0		16	7521	A -8 5533
99		9.1A	56 15.210	0.0026	12	-9 33 20.45	-0.016	12	0.25	15.167	16	33.6	20.19	16	33.6	G0		16	7522	A -9 5635
00		9.4A	56 23.651	0.0002	09	-0 25 22.75	-0.011	11	0.22	23.649	17	36.6	22.61	17	36.6	K2	R	21	5323	A -0 4135

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NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	σ_μ ″.001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	DM NUMBER
		8.8A	20 56 23.709	0.0018	09	-0 37 5.08	-0.010	11	0.22	23.685	17	36.6	4.95	17	36.6	A5	21	5322	A -0 4136
1		8.2A	56 26.978	0.0008	11	-7 6 5.76	-0.023	11	0.23	26.964	16	33.6	5.39	16	33.6	A3	16	7523	A -7 5460
2		8.3A	56 32.465	-0.0003	09	-4 22 49.12	-0.036	09	0.22	32.471	16	33.6	48.53	16	33.6	G0	17	7317	A -4 5323
3		9.1A	56 35.494	-0.0008	12	-6 26 34.92	-0.009	12	0.25	35.507	16	33.6	34.77	16	33.6	A3	16	7524	A -6 5641
4		8.9A	56 39.986	-0.0016	12	-9 4 24.06	-0.019	12	0.25	40.011	16	33.6	23.75	16	33.6	G5	16	7525	A -9 5636
5		9.0A	56 40.678	-0.0003	09	-0 38 5.95	0.003	11	0.22	40.683	17	36.6	5.99	17	36.6	K2	21	5324	A -0 4137
6		9.4A	56 43.677	-0.0000	11	-2 6 6.10	0.013	11	0.23	43.677	16	33.6	6.32	16	33.6	G8	F 17	7318	A -2 5419
7		8.2A	56 44.126	0.0001	12	-9 41 29.27	0.005	12	0.25	44.124	16	33.6	29.35	16	33.6	A3	16	7526	A -10 5562
8		8.0A	56 46.719	0.0002	12	-7 49 14.81	-0.016	12	0.25	46.715	16	33.6	14.55	16	33.6	K0	16	7527	A -8 5535
9		9.3A	56 53.654	-0.0001	12	-6 8 21.13	-0.014	12	0.25	53.655	16	33.6	20.91	16	33.6	K5	16	7528	A -6 5642
10																			
11		8.3A	56 56.454	-0.0005	14	-1 39 46.46	-0.048	20	0.29	56.460	17	36.6	45.82	17	36.6	K0	21	5326	A -2 5421
12		8.5A	57 2.091	0.0037	11	-4 34 42.93	-0.002	11	0.23	2.031	16	33.6	42.89	16	33.6	G0	17	7320	A -4 5324
13		9.1A	57 2.426	0.0000	12	-6 25 24.39	-0.002	12	0.25	2.425	16	33.6	24.36	16	33.6	K0	16	7529	A -6 5643
14		9.2A	57 19.818	-0.0007	12	-4 47 16.69	0.003	12	0.25	19.829	16	33.6	16.73	16	33.6	K2	F 17	7321	A -5 5431
15		9.1A	57 25.556	0.0005	12	-6 25 3.26	-0.016	12	0.25	25.548	16	33.6	3.01	16	33.6	G5	16	7530	A -6 5644
16		8.8A	57 29.891	0.0018	13	-5 44 3.32	0.005	13	0.27	29.862	16	33.6	3.41	16	33.6	A5	17	7322	A -6 5646
17		9.0A	57 34.388	0.0046	12	-7 37 21.38	-0.077	12	0.25	34.312	16	33.6	20.12	16	33.6	G0	16	7533	A -7 5464
18		8.9A	57 42.302	-0.0013	14	-0 13 54.12	-0.024	20	0.29	42.320	17	36.6	53.81	17	36.6	A0	21	5331	A -0 4143
19		8.9A	57 42.925	0.0016	13	-3 1 0.14	-0.007	13	0.27	42.898	16	33.6	0.26	16	33.6	K0	17	7323	A -3 5087
20		9.2A	57 52.882	-0.0004	12	-5 57 49.20	-0.022	12	0.25	52.888	16	33.6	48.84	16	33.6	F8	R 16	7534	A -6 5649
21		6.6T	57 54.167	0.0011	04	-5 40 24.20	-0.009	04	0.24	54.115	10	01.3	23.71	10	94.2	A0	GC	29316	B* -6 5650
22		6.3H	57 55.883	0.0030	02	-4 55 28.38	-0.134	02	0.06	55.796	03	21.0	24.15	03	18.4	G0	F4	789	-5 5433
23		9.2A	58 0.843	-0.0009	12	-7 59 26.47	-0.015	12	0.25	0.858	16	33.6	26.23	16	33.6	F8	16	7536	A -8 5543
24		8.0Q	58 2.340	0.0020	09	-5 33 14.62	-0.005	07	0.45	2.242	14	99.9	14.36	14	96.5	F2	GC	29321	-5 5434
25		8.8A	58 2.722	-0.0001	14	-1 6 58.37	-0.043	20	0.29	2.724	17	36.6	57.80	17	36.6	K5	21	5333	A -1 4092
26		8.1A	58 7.387	0.0160	12	-8 32 22.84	0.035	12	0.25	7.124	16	33.6	23.42	16	33.6	G0	16	7538	A -8 5544
27		9.1A	58 13.115	0.0004	12	-7 33 58.13	-0.002	12	0.25	13.108	16	33.6	58.10	16	33.6	K5	R 16	7539	A -7 5469
28		9.4A	58 29.703	-0.0005	13	-2 0 6.34	-0.001	13	0.27	29.712	16	33.6	6.33	16	33.6	G8	F 17	7327	A -2 5424
29		8.2A	58 30.364	-0.0001	14	-0 57 56.41	0.011	20	0.29	30.365	17	36.6	56.56	17	36.6	K0	21	5336	A -1 4093
30		8.0A	58 31.838	0.0012	13	-3 38 15.55	-0.001	13	0.27	31.819	16	33.6	15.54	16	33.6	K5	17	7328	A -4 5332
31		9.0A	58 32.271	0.0020	13	-3 13 54.14	-0.010	13	0.27	32.238	16	33.6	53.98	16	33.6	K5	F 17	7329	A -3 5090
32		9.1A	58 33.644	0.0002	14	-0 32 22.22	-0.038	20	0.29	33.642	17	36.6	21.72	17	36.6	F8	21	5338	A -0 4145
33		8.0A	58 46.486	0.0005	09	-2 42 38.61	0.002	09	0.22	46.477	16	33.6	38.65	16	33.6	G0	17	7330	A -3 5092
34		9.0A	58 47.638	0.0000	14	-0 21 47.09	-0.027	20	0.29	47.638	17	36.6	46.74	17	36.6	F5	R 21	5340	A -0 4146
35		8.8A	58 52.448	0.0015	14	-1 38 23.79	-0.021	20	0.29	52.429	17	36.6	23.51	17	36.6	K0	R 21	5342	A -2 5426
36		8.9A	58 54.955	-0.0004	12	-7 31 33.75	0.002	12	0.25	54.961	16	33.6	33.78	16	33.6	G5	16	7540	A -7 5472
37		7.3A	59 3.163	0.0002	11	-4 19 43.71	0.016	11	0.23	3.161	16	33.6	43.97	16	33.6	MB	17	7332	A -4 5337
38		8.8A	59 8.938	0.0012	13	-3 41 55.25	0.002	13	0.27	8.918	16	33.6	55.28	16	33.6	A2	17	7333	A -4 5338
39		8.0A	59 14.546	0.0034	11	-4 51 46.86	0.015	11	0.23	14.490	16	33.6	47.10	16	33.6	F5	17	7334	A -5 5440
40		9.0A	59 23.642	0.0001	09	-4 4 30.85	-0.052	09	0.22	23.641	16	33.6	30.00	16	33.6	K0	17	7335	A -4 5340
41		9.1A	59 30.372	0.0010	09	-2 43 35.45	0.005	11	0.22	30.356	16	33.6	35.54	16	33.6	K2	F 17	7336	A -3 5095
42		8.8A	59 31.598	-0.0017	14	-0 12 55.04	0.004	20	0.29	31.621	17	36.6	55.10	17	36.6	G5	21	5344	A -0 4148
43		8.8A	59 38.961	-0.0039	18	-9 52 23.78	-0.029	20	0.35	39.025	18	33.6	23.31	16	33.6	G0	J 11	7451	A -10 5575
44		8.0A	59 47.102	0.0024	12	-9 38 43.53	-0.007	12	0.25	47.063	16	33.6	43.42	16	33.6	K2	16	7541	A -10 5577
45		9.3A	59 49.667	-0.0001	09	-1 57 42.37	-0.008	09	0.22	49.666	16	33.6	42.24	16	33.6	K0	F 17	7337	A -2 5428
46		9.2A	59 50.480	0.0000	11	-2 42 1.76	0.002	11	0.23	50.479	16	33.6	1.80	16	33.6	K5	F 17	7338	A -3 5097
47		9.0A	21 0 2.776	0.0000	09	-5 41 5.27	0.005	09	0.22	2.775	16	33.6	5.36	16	33.6	K2	17	7339	A -6 5657
48		9.5A	0 16.155	0.0006	09	-1 53 45.09	0.013	09	0.22	16.146	16	33.6	45.31	16	33.6	K0	F 17	7340	A -2 5430
49		8.2A	0 17.234	0.0038	11	-7 31 11.80	0.014	11	0.23	17.171	16	33.6	12.03	16	33.6	F8	16	7543	A -7 5476
50		6.3T	0 24.960	0.0003	09	-1 7 23.12	0.001	07	0.44	24.942	14	97.4	23.19	14	95.8	B8	GC	29377	-1 4095
51		8.7A	21 0 31.020	0.0003	11	-7 59 31.98	0.010	11	0.23	31.014	16	33.6	32.15	16	33.6	G0	16	7544	A -8 5555
52		7.3T	0 32.610	0.0011	08	-1 30 24.35	-0.018	07	0.40	32.552	12	99.0	23.39	12	96.0	F2	GC	29385	-1 4098
53		9.1A	0 34.716	0.0007	11	-6 21 37.03	-0.011	11	0.23	34.704	16	33.6	36.85	16	33.6	K0	16	7545	A -6 5659
54		8.0A	0 47.232	0.0014	09	-5 34 23.65	-0.010	09	0.22	47.209	16	33.6	23.49	16	33.6	K0	17	7342	A -5 5447
55		8.0A	0 48.006	0.0004	11	-2 46 9.19	-0.015	11	0.23	48.000	16	33.6	8.95	16	33.6	F0	17	7343	A -3 5101
56		9.0A	0 49.351	0.0008	11	-8 46 52.64	-0.012	11	0.23	49.338	16	33.6	52.45	16	33.6	K0	16	7546	A -9 5645
57		7.4A	0 53.819	-0.0012	09	-2 31 13.82	-0.036	09	0.22	53.838	16	33.6	13.24	16	33.6	K0	17	7344	A -2 5433
58		6.8T	0 54.323	0.0023	11	-1 46 42.12	-0.012	11	0.61	54.193	15	94.1	41.45	15	93.8	F5	GC	29400	-2 5434
59		8.7A	0 57.238	0.0008	11	-2 18 34.18	-0.010	11	0.23	57.294	16	33.6	34.02	16	33.6	K0	17	7346	A -2 5435
60		9.3A	1 1.506	-0.0003	09	-3 9 30.54	0.006	09	0.22	1.5.0	16	33.6	30.64	16	33.6	G8	F 17	7348	A -3 5102
61		8.6Q	1 1.542	-0.0004	11	-6 26 26.62	-0.043	10	0.49	1.563	15	04.4	24.63	15	03.5	G0	GC	29402	-6 5661
62		9.1A	1 2.280	0.0006	09	-4 6 22.55	0.010	09	0.22	2.271	16	33.6	22.72	16	33.6	K0	F 17	7347	A -4 5345
63		8.6A	1 17.467	-0.0019	09	-3 51 14.38	-0.065	09	0.22	17.498	16	33.6	13.31	16	33.6	K0	17	7349	A -4 5348
64		7.3T	1 25.954	-0.0000	10	-6 1 22.00	0.015	09	0.49	25.956	18	04.6	22.77	18	99.6	A3	GC	29416K	-6 5664
65		5.9T	1 26.061	0.0010	04	-6 1 19.78	-0.006	03	0.23	26.004	10	90.0	19.42	09	87.0	F5	GC	29417K	B* -6 5664
66		8.8A	1 28.695	-0.0021	12	-8 22 47.09	-0.049	12	0.25	28.729	16	33.6	46.29	16	33.6	K0	16	7550	A -8 5562
67		9.2A	1 39.028	0.0013	14	-0 54 23.50	-0.017	20	0.29	39.011	17	36.6	23.28	17	36.6	F5	21	5352	A -1 4100
68		8.4A	1 45.013	0.0007	11	-7 14 52.56	-0.011	11	0.23	45.001	16	33.6	52.38	16	33.6	K0	16	7551	A -7 5479
69		9.1A	1 47.721	0.0098	09	-1 43 1.00	0.043	09	0.22	47.561	16	33.6	1.71	16	33.6	G5	17	7350	A -2 5438
70		9.0A	1 48.580	0.0041	11	-9 27 54.32	-0.008	11	0.23	48.512	16	33.6	54.19	16	33.6	K0	16	7552	A -9 5648
71		9.1A	1 56.660	-0.0001	09	-2 39 23.75	-0.016	09	0.22	56.661	16	33.6	23.49	16	33.6	F8	17	7351	A -3 5108
72		9.1A	1 58.564	0.0013	09	-3 17 29.59	0.001	09	0.22	58.542	16	33.6	29.61	16	33.6	G2	F 17	7352	A -3 5109
73		9.2A	2 2.325	-0.0006	15	-9 50 14.99	-0.082	17	0.31	2.334	18	33.6	13.65	16	33.6	F8	J 11	7470	A -10 5588
74		8.5A	2 3.943	0.0011	12	-8 58 44.14	-0.022	12	0.25	3.924	16	33.6	43.78	16	33.6	G5	16	7553	A -9 5650
75		8.4Q	2 6.869	-0.0083	12	-5 1 34.95	-0.222	12	0.62	7.257	17	03.5	24.18	17	01.4	G5	GC	29431	-5 5452
76		9.5A	2 8.879	-0.0008	09	-3 12 0.15	-0.006	09	0.22	8.892	16	33.6	0.06	16	33.6	G8	F 17	7354	A -3 5111
77		9.4A	2 10.956	-0.0001	11	-3 18 0.53	0.016	11	0.23	10.957	16	33.6	0.80	16	33.6	F0	F 17	7355	A -3 5112
78		9.1A	2 14.971	0.0017	11	-6 56 56.89	-0.023	11	0.23	14.943	16	33.6	56.51	16	33.6	G0	17	7554	A -7 5481
79		9.0A	2 22.522	0.0015	09	-2 24 9.45	-0.012	09	0.22	22.498	16	33.6	9.26	16	33.6	K0	17	7356	A -2 5444
80		9.2A	2 26.855	-0.0003	14	-1 15 31.75	-0.001	20	0.29	26.859	17	36.6	31.74	17	36.6	A3	21	5354	A -1 4101
81		9.1A	2 28.863	0.0025	13	-5 22 24.08	0.010	13	0.27	28.822	16	33.6	24.25	16	33.6	G	17	7357K	A -5 5457
82		9.0A	2 30.730	0.0031	11	-5 18 31.24	-0.011	11	0.23	30.679	16	33.6	31.07	16	33.6	G	17	7358	A -5 5458
83		9.3A	2 37.141	0.0013	12	-6 9 24.71	-0.025	12	0.25	37.119	16	33.6	24.30	16	33.6	F8	16	7555	A -6 5666
84		7.3T	2 54.592	-0.0017	09	-4 33 44.22	-0.004	10	0.53	54.682	14	96.0	44.00	14	96.4	K5	GC	29448	-4 5355
85		8.2A	2 59.520	0.0011	12	-8 35 51.20	-0.013	12	0.25	59.501	16	33.6	50.99	16	33.6	G5	16	7557	A -8 5568
86		8.8A	2 59.814	0.0001	12	-5 52 55.69	-0.001	12	0.25	59.812	16	33.6	55.67	16	33.6	K0	16	7558	A -6 5670
87		9.1A	2 59.826	0.0014	09	-2 40 9.50	-0.034	09	0.22	59.803	16	33.6	8.95	16	33.6	A5	17	7360	A -3 5116
88		9.0A	3 3.807	0.0002	12	-7 29 41.70	0.004	12	0.25	3.804	16	33.6	41.77	16	33.6	K0	16	7559	A -7 5484
89		9.0A	3 6.420	0.0030	14	-0 15 47.17	-0.040	20	0.29	6.380	17	36.6	46.64	17	36.6	F5	21	5357	A -0 4155
90		8.7A	3 14.059	-0.0000	12	-9 2 10.29	-0.010	12	0.25	14.059	16	33.6	10.13	16	33.6	G5	16	7560	A -9 5652
91		8.7A	3 29.436	0.0003	12	-6 20 26.54	0.001	12	0.25	29.430	16	33.6	26.56	16	33.6	G0	16	7561	A -6 5672
92		9.0A	3 32.327	0.0003	14	-0 50 41.73	-0.029	20	0.29	32.323	17	36.6	41.35	17	36.6	K0	R 21	5359	A -1 4103
93		8.8A	3 34.978	0.0001	12	-6 53 28.98	0.004	12	0.25	34.976	16	33.6	29.05	16	33.6	K0	16	7563	A -7 5486
94		9.5A	3 35.392	-0.0002	11	-9 25 56.28	-0.018	11	0.23	35.395	16	33.6	55.99	16	33.6	K5	R 16	7562	A -9 5654
95		8.8A	3 38.192	-0.0003	12	-6 28 1.09	0.004	12	0.25	38.197	16	33.6	1.17	16	33.6	K5	16	7564	A -6 5673
96		8.3A	3 40.099	0.0014	09	-5 45 3.41	-0.001	09	0.22	40.076	16	33.6	3.40	16	33.6	A2	17	7361	A -6 5674
97		9.0A	3 44.731	-0.0007	14	-0 24 42.63	-0.027	20	0.29	44.741	17	36.6	42.27	17	36.6	F5	21	5360	A -0 4159
98		8.9A	3 49.155	0.0007	12	-5 57 48.71	-0.026	12	0.25	49.143	16	33.6	48.29	16	33.6	F0	16	7567	A -6 5676
99		9.1A	3 49.550	0.0034	12	-8 5 3.31	-0.005	12	0.25	49.494	16	33.6	3.23	16	33.6	G5	16	7566	A -8 5573
00		8.9A	3 56.689	0.0003	09	-5 24 48.22	-0.018	09	0.22	56.684	16	33.6	47.93	16	33.6	F0	17	7362	A -5 5463

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NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	SOURCE CAT.	STAR NUMBER		DM NUMBER
																				- 0° 21H
1		7.1H	21 3 59.441	0.0010	02	-0 18 22.97	0.007	02	0.07	59.417	04	25.9	23.16	04	23.6	K2	F4	1553		-0 4161
2		9.2A	3 59.818	-0.0001	12	-7 36 22.29	-0.006	11	0.24	59.819	16	33.6	22.19	16	33.6	MA R	16	7568	A	-7 5488
3		9.4A	4 1.408	-0.0011	12	-7 39 36.90	-0.002	12	0.25	1.426	16	33.6	36.87	16	33.6	K5 R	16	7569	A	-8 5574
4		9.4A	4 1.486	-0.0002	12	-5 34 47.95	0.012	12	0.25	1.489	16	33.6	48.15	16	33.6	GO	16	7570	A	-6 5679
5		8.2A	4 11.194	0.0016	14	-1 13 35.88	-0.019	20	0.29	11.173	17	36.6	35.63	17	36.6	K5	21	5362	A	-1 4105
6		9.4A	4 15.033	0.0010	09	-1 59 11.06	-0.014	09	0.22	15.018	16	33.6	10.84	16	33.6	K2 F	17	7363	A	-2 5451
7		9.1A	4 16.058	0.0017	12	-6 38 46.96	-0.063	12	0.25	16.030	16	33.6	45.90	16	33.6	KO	16	7571	A	-7 5490
8		9.0A	4 16.229	0.0002	09	-2 57 31.10	-0.002	09	0.22	16.225	16	33.6	31.07	16	33.6	K2	17	7364	A	-3 5121
9		7.4A	4 17.710	-0.0006	14	-1 9 33.75	-0.036	20	0.29	17.718	17	36.6	33.27	17	36.6	F2	21	5364	A	-1 4106
10		9.0A	4 19.529	0.0032	09	-2 32 11.19	0.003	09	0.22	19.477	16	33.6	11.24	16	33.6	F8	17	7365	A	-2 5453
11		9.1A	4 25.700	0.0017	12	-7 24 20.57	-0.005	12	0.25	25.672	16	33.6	20.49	16	33.6	K2	16	7572	A	-7 5492
12		8.7A	4 27.219	-0.0020	12	-7 57 15.34	-0.011	12	0.25	27.252	16	33.6	15.16	16	33.6	K2	16	7573	A	-8 5576
13		9.0A	4 29.938	0.0002	12	-8 58 40.02	0.020	12	0.25	29.935	16	33.6	40.35	16	33.6	KO	16	7574	A	-9 5658
14		9.0A	4 30.051	0.0014	15	-9 59 33.96	-0.081	17	0.31	30.028	18	33.6	32.63	16	33.6	KO J	11	7486	A	-10 5601
15		9.2A	4 37.353	-0.0009	12	-7 22 58.86	-0.025	11	0.24	37.368	16	33.6	58.45	16	33.6	F5	16	7575	A	-7 5493
16		8.9A	4 37.634	0.0065	09	-3 48 37.36	-0.024	09	0.22	37.528	16	33.6	36.96	16	33.6	G5	17	7366	A	-4 5362
17		8.4A	4 44.449	0.0012	12	-8 21 58.93	0.008	12	0.25	44.429	16	33.6	59.06	16	33.6	A2	16	7576	A	-8 5580
18		6.9T	4 45.835	-0.0013	12	-8 26 13.15	-0.015	11	0.61	45.903	18	98.7	12.36	17	97.0	A0	GC	29515K	B*	-8 5581
19		9.0A	4 46.681	0.0026	14	-0 48 27.74	-0.006	20	0.29	46.646	17	36.6	27.67	17	36.6	KO R	21	5366	A	-1 4107
20		6.5T	4 47.400	0.0001	10	-0 58 2.99	0.019	10	0.53	47.393	14	00.1	3.96	15	99.7	KO	GC	29516		-1 4108
21		6.8T	4 58.881	-0.0007	07	-0 21 57.36	-0.005	05	0.35	58.913	14	02.1	57.09	15	91.5	MB	GC	29522K		-0 4163
22		7.6T	5 4.806	0.0138	08	-5 46 16.23	0.234	07	0.45	4.003	12	91.6	30.14	12	90.7	GO	GC	29525		-6 5683
23		8.7A	5 5.347	0.0055	09	-4 50 0.75	0.033	09	0.22	5.257	16	33.6	1.29	16	33.6	GO	17	7368	A	-5 5472
24		8.2A	5 5.482	-0.0004	09	-4 39 22.12	-0.025	09	0.22	5.489	16	33.6	21.70	16	33.6	F8	17	7369	A	-5 5473
25		8.5A	5 5.777	0.0013	12	-8 37 57.65	-0.009	12	0.25	5.755	16	33.6	57.50	16	33.6	F5	16	7578	A	-9 5661
26		6.8T	5 6.705	0.0063	12	-2 15 17.12	0.003	11	0.66	6.347	15	93.5	17.29	14	95.2	A3	GC	29527		-2 5456
27		9.3A	5 6.878	-0.0012	12	-8 3 16.00	-0.006	12	0.25	6.897	16	33.6	15.90	16	33.6	F8	16	7580	A	-8 5586
28		8.8A	5 19.287	0.0002	17	-9 58 37.93	0.016	18	0.33	19.284	18	33.6	38.19	16	33.6	KO J	11	7492	A	-10 5607
29		9.0A	5 21.926	0.0037	14	-0 32 51.69	-0.055	20	0.29	21.877	17	36.6	50.96	17	36.6	F8 R	21	5370	A	-0 4164
30		8.7A	5 22.171	0.0003	09	-4 42 2.41	-0.019	09	0.22	22.166	16	33.6	2.09	16	33.6	A5	17	7371	A	-5 5474
31		8.7A	5 24.266	-0.0020	12	-8 53 36.46	-0.022	12	0.25	24.299	16	33.6	36.10	16	33.6	K2	16	7581	A	-9 5662
32		6.8T	5 34.495	0.0040	10	-1 11 32.92	0.005	10	0.54	34.280	15	96.7	33.19	15	98.1	A5	GC	29540		-1 4111
33		9.1A	5 36.510	-0.0052	09	-1 54 42.15	-0.037	09	0.22	36.595	16	33.6	41.55	16	33.6	GO	17	7372	A	-2 5460
34		9.0A	5 41.035	-0.0011	12	-5 26 9.60	0.000	12	0.25	41.053	16	33.6	9.61	16	33.6	KO	17	7373	A	-5 5477
35		8.1A	5 56.452	0.0039	12	-8 25 52.92	0.008	12	0.25	56.388	16	33.6	53.05	16	33.6	F5	16	7582	A	-8 5588
36		8.6A	6 3.787	-0.0005	09	-2 56 23.03	-0.000	09	0.22	3.795	16	33.6	23.03	16	33.6	K2 F	17	7374	A	-3 5123
37		7.9A	6 5.170	-0.0011	12	-7 11 23.10	0.003	12	0.25	5.188	16	33.6	23.15	16	33.6	KO	16	7583	A	-7 5501
38		9.2A	6 7.806	0.0018	12	-6 22 28.36	0.003	12	0.25	7.776	16	33.6	28.41	16	33.6	KO R	16	7584	A	-6 5687
39		9.1A	6 8.280	-0.0038	11	-4 37 47.24	0.011	11	0.23	8.343	16	33.6	47.42	16	33.6	M1 F	17	7375	A	-5 5480
40		9.0A	6 14.136	-0.0020	09	-3 37 15.01	-0.068	09	0.22	14.168	16	33.6	13.89	16	33.6	GO F	17	7376	A	-4 5370
41		9.0A	6 14.827	-0.0015	14	-1 42 31.29	-0.028	20	0.29	14.847	17	36.6	30.91	17	36.6	F8	21	5373	A	-2 5463
42		9.2A	6 14.861	-0.0008	12	-5 54 31.44	-0.020	12	0.25	14.873	16	33.6	31.11	16	33.6	G5	16	7585	A	-6 5688
43		9.2A	6 15.164	0.0012	14	-0 14 21.19	0.010	20	0.29	15.149	17	36.6	21.33	17	36.6	F0 R	21	5374	A	-0 4168
44		8.5A	6 17.153	-0.0013	12	-6 31 56.86	-0.004	12	0.25	17.175	16	33.6	56.80	16	33.6	A3	16	7586	A	-6 5689
45		6.8T	6 19.329	-0.0041	10	-5 47 4.26	-0.051	08	0.56	19.570	14	92.1	1.35	12	92.7	KO	GC	29556		-6 5690
46		9.1A	6 21.052	-0.0006	11	-3 16 43.35	-0.018	11	0.23	21.062	16	33.6	43.06	16	33.6	K2 F	17	7378	A	-3 5127
47		8.0A	6 27.251	-0.0008	11	-4 0 31.79	0.005	11	0.23	27.265	16	33.6	31.87	16	33.6	K2	17	7379	A	-4 5371
48		9.3A	6 28.662	-0.0003	09	-2 0 30.11	-0.008	09	0.22	28.668	16	33.6	29.98	16	33.6	K2 F	17	7380	A	-2 5464
49		8.8A	6 29.050	0.0006	12	-8 48 26.02	-0.017	12	0.25	29.041	16	33.6	25.74	16	33.6	KO	16	7588	A	-9 5667
50		9.0A	6 37.087	-0.0009	14	-0 14 30.36	-0.030	20	0.29	37.099	17	36.6	29.96	17	36.6	K5 R	21	5377	A	-0 4172
51		8.5A	21 6 40.397	0.0010	11	-5 9 23.05	0.018	11	0.23	40.380	16	33.6	23.35	16	33.6	A0	17	7381	A	-5 5483
52		6.5T	6 41.793	0.0051	10	-0 26 18.93	-0.003	12	0.65	41.499	15	92.6	18.79	17	93.5	A3	GC	29568		-0 4173
53		7.8A	6 42.342	-0.0018	13	-4 5 47.41	0.038	13	0.27	42.371	16	33.6	48.04	16	33.6	GO	17	7382	A	-4 5372
54		8.9A	6 48.132	-0.0018	12	-9 21 26.52	-0.038	12	0.25	48.161	16	33.6	25.90	16	33.6	KO	16	7589	A	-9 5668
55		8.1A	6 55.368	-0.0024	17	-9 52 40.30	-0.003	18	0.33	55.407	18	33.6	40.25	16	33.6	K2 J	11	7503	A	-10 5615
56		9.3A	6 59.611	-0.0040	17	-5 17 46.76	0.005	17	0.31	59.676	16	33.6	46.85	16	33.6	KO	17	7383	A	-5 5485
57		9.4A	7 3.235	-0.0002	12	-8 3 25.44	-0.006	12	0.25	3.238	16	33.6	25.35	16	33.6	GO R	16	7590	A	-8 5595
58		8.9A	7 23.268	0.0044	12	-6 17 20.37	-0.006	12	0.25	23.195	16	33.6	20.27	16	33.6	F0	16	7591	A	-6 5694
59		8.8A	7 39.149	0.0014	11	-3 29 49.96	0.021	13	0.25	39.125	16	33.6	50.31	16	33.6	F5	17	7384	A	-3 5136
60		9.5A	7 39.750	-0.0012	11	-1 47 45.65	-0.043	11	0.23	39.770	16	33.6	44.95	16	33.6	G8 F	17	7386	A	-2 5469
61		8.9A	7 39.789	0.0016	09	-3 37 23.37	0.001	09	0.22	39.762	16	33.6	23.39	16	33.6	K5	17	7385	A	-4 5376
62		9.3A	7 41.670	0.0027	09	-2 12 41.74	-0.004	11	0.22	41.625	16	33.6	41.68	16	33.6	F2 F	17	7387	A	-2 5470
63		9.1A	7 42.233	0.0015	12	-9 3 20.30	-0.042	12	0.25	42.209	16	33.6	19.61	16	33.6	F8	16	7592	A	-9 5671
64		8.6A	7 45.684	-0.0000	12	-7 54 46.30	-0.043	11	0.24	45.684	16	33.6	45.60	16	33.6	G0	16	7593	A	-8 5596
65		8.8A	7 50.186	0.0019	09	-4 6 50.69	0.002	09	0.22	50.156	16	33.6	50.72	16	33.6	F8	17	7388	A	-4 5378
66		9.4A	7 52.798	0.0025	12	-8 48 46.42	-0.039	12	0.25	52.756	16	33.6	45.78	16	33.6	F8	16	7594	A	-9 5673
67		9.2A	7 57.611	0.0022	12	-5 47 40.66	-0.033	12	0.25	57.575	16	33.6	40.12	16	33.6	G5	16	7595	A	-6 5697
68		9.0A	8 0.478	0.0005	18	-9 49 43.95	-0.048	20	0.35	0.469	18	33.6	43.16	16	33.6	F5 J	11	7507	A	-10 5618
69		9.2A	8 0.496	0.0029	12	-5 56 52.13	0.007	12	0.25	0.448	16	33.6	52.24	16	33.6	F2	16	7596	A	-6 5698
70		8.6A	8 1.893	-0.0014	12	-5 58 1.92	0.039	12	0.25	1.916	16	33.6	2.57	16	33.6	KO	16	7598	A	-6 5699
71		6.5T	8 5.224	0.0075	06	-9 33 28.70	-0.054	05	0.30	4.849	09	00.4	25.85	09	97.1	KO	GC	29593		-9 5674
72		9.2A	8 5.856	-0.0014	09	-2 13 6.50	0.011	09	0.22	5.879	16	33.6	6.68	16	33.6	K2 F	17	7389	A	-2 5472
73		8.7A	8 7.558	0.0143	12	-7 50 45.36	-0.024	12	0.25	7.324	16	33.6	44.97	16	33.6	G0	16	7599	A	-8 5597
74		9.3A	8 30.893	-0.0017	12	-9 24 36.06	-0.013	12	0.25	30.921	16	33.6	35.85	16	33.6	KO	16	7600	A	-9 5677
75		9.4A	8 32.135	-0.0004	12	-9 34 58.69	-0.040	12	0.25	32.142	16	33.6	58.04	16	33.6	F8	16	7601	A	-9 5678
76		9.0A	8 36.890	-0.0011	09	-4 59 29.06	-0.008	09	0.22	36.908	16	33.6	28.92	16	33.6	K2	17	7390	A	-5 5489
77		9.1A	8 37.160	0.0118	14	-1 12 35.55	0.036	20	0.29	37.002	17	36.6	36.04	17	36.6	F8	21	5385	A	-1 4115
78		8.0A	8 39.093	0.0021	09	-4 20 41.63	0.002	09	0.22	39.060	16	33.6	41.67	16	33.6	A0	17	7391	A	-4 5382
79		8.9A	8 41.208	0.0016	09	-1 47 26.27	0.011	09	0.22	41.261	16	33.6	26.45	16	33.6	A0	17	7392	A	-2 5474
80		8.6A	8 46.457	0.0022	12	-7 32 48.73	-0.006	12	0.25	46.421	16	33.6	48.63	16	33.6	KO	16	7602	A	-7 5507
81		8.5A	8 51.286	-0.0001	11	-3 36 32.47	-0.000	13	0.25	51.288	16	33.6	32.47	16	33.6	MA	17	7393	A	-3 5138
82		7.6A	8 57.919	0.0002	09	-2 21 15.71	-0.017	11	0.22	57.916	16	33.6	15.43	16	33.6	A2	17	7394	A	-2 5476
83		8.2A	8 58.033	0.0048	14	-1 30 21.14	0.011	20	0.29	57.969	17	36.6	21.29	17	36.6	F5	21	5386	A	-1 4116
84		9.0A	8 59.952	0.0009	09	-3 42 31.29	0.004	11	0.22	59.938	16	33.6	31.36	16	33.6	A2	17	7396	A	-4 5385
85		7.6T	9 0.054	0.0007	08	-3 19 31.71	-0.002	05	0.38	0.015	14	97.9	31.60	14	92.4	KO	GC	29613K		-3 5140
86		8.0A	9 3.740	-0.0008	14	-1 4 35.15	-0.010	20	0.29	3.750	17	36.6	35.02	17	36.6	A2	21	5387	A	-1 4117
87		8.6A	9 7.228	0.0039	11	-8 10 4.17	-0.001	11	0.23	7.164	16	33.6	4.16	16	33.6	F0	16	7603	A	-8 5599
88		9.0A	9 8.976	0.0033	11	-5 15 59.76	-0.049	11	0.23	8.922	16	33.6	58.97	16	33.6	G0	17	7398	A	-5 5491
89		9.2A	9 11.380	0.0029	11	-8 9 3.06	-0.045	11	0.23	11.332	16	33.6	2.32	16	33.6	KO R	16	7604	A	-8 5600
90		8.5A	9 11.916	-0.0015	09	-2 48 25.91	-0.018	09	0.22	11.940	16	33.6	25.62	16	33.6	KO	17	7399	A	-3 5141
91		7.8Q	9 20.077	-0.0000	08	-6 1 9.58	0.011	05	0.39	20.079	14	96.6	10.25	12	90.1	KO	GC	29624K	B*	-6 5706
92		8.5A	9 20.239	0.0020	12	-6 10 9.44	-0.014	12	0.25	20.206	16	33.6	9.22	16	33.6	A0	16	7605	A	-6 5705
93		8.9A	9 33.448	0.0002	14	-1 13 29.05	-0.021	20	0.29	33.445	17	36.6	28.77	17	36.6	G5	21	5389	A	-1 4120
94		8.8A	9 37.053	0.0009	11	-8 33 47.51	0.013	11	0.23	37.038	16	33.6	47.73	16	33.6	KO	16	7607	A	-8 5603
95		9.1A	9 39.043	-0.0006	11	-2 15 11.28	-0.018	11	0.23	39.054	16	33.6	10.99	16	33.6	F2	17	7400K	A	-2 5477
96		9.1A	9 41.897	0.0000	14	-1 33 0.45	-0.005	20	0.29	41.897	17	36.6	0.39	17	36.6	G0	21	5391	A	-1 4121
97		8.3A	9 42.578	0.0019	09	-4 45 57.90	-0.006	09	0.22	42.548	16	33.6	57.80	16	33.6	G5	17	7401	A	-5 5495
98		9.2A	9 46.661	-0.0000	09	-2 6 47.15	0.008	09	0.22	46.662	16	33.6	47.29	16	33.6	KO F	17	7403	A	-2 5479
99		9.1A	9 47.186	-0.0025	12	-8 52 31.57	-0.015	12	0.25	47.227	16	33.6	31.33	16	33.6	G0	16	7608	A	-9 5688
00		8.3A	9 58.457	0.0002	09	-4 30 9.02	-0.009	09	0.22	58.452	16	33.6	8.86	16	33.6	KO	17	7404	A	-4 5389

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NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ_s s	σ_μ ".001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ".001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ ".01	ep.	δ_2 ″	σ' ".01	ep.	SP.	SOURCE CAT.	STAR NUMBER	DM NUMBER
1		9.1A	21 9 59.398	-0.0004	12	-8 49 58.25	-0.009	12	0.25	59.404	16	33.6	58.10	16	33.6	G5	16	7609	A -9 5689
2		9.0A	10 2.214	0.0007	12	-7 4 38.71	-0.013	12	0.25	2.203	16	33.6	38.50	16	33.6	A0	16	7611	A -7 5511
3		8.5A	10 2.605	-0.0008	12	-8 21 53.98	-0.055	12	0.25	2.618	16	33.6	53.08	16	33.6	F5	16	7610	A -8 5604
4		9.4A	10 3.981	0.0030	12	-6 26 20.11	-0.030	12	0.25	3.932	16	33.6	19.62	16	33.6	F2	16	7612	A -6 5707
5		8.2Q	10 7.909	0.0001	10	-7 21 46.78	-0.007	12	0.52	7.906	15	05.2	46.48	17	05.3	G5	GC	29646	-7 5512
6		9.1A	10 17.931	0.0010	12	-6 58 51.22	-0.033	12	0.25	17.915	16	33.6	50.68	16	33.6	K0	16	7614	A -7 5514
7		9.0A	10 20.820	0.0018	09	-4 5 54.23	-0.002	09	0.22	20.791	16	33.6	54.20	16	33.6	M0	17	7405	A -4 5391
8		9.5A	10 27.047	0.0009	09	-2 14 3.42	0.007	09	0.22	27.033	16	33.6	3.54	16	33.6	K2	F 17	7406	A -2 5481
9		7.8A	10 33.370	-0.0014	14	-1 20 10.45	0.003	20	0.29	33.389	17	36.6	10.50	17	36.6	K5	21	5394	A -1 4123
10		7.8A	10 36.564	0.0020	09	-4 28 25.72	0.002	09	0.22	36.532	16	33.6	25.76	16	33.6	A3	17	7407	A -4 5392
11		8.7A	10 37.163	0.0002	09	-4 12 38.20	-0.028	09	0.22	37.159	16	33.6	37.74	16	33.6	K0	17	7408	A -4 5393
12		8.6A	10 41.975	0.0038	11	-6 54 3.19	-0.021	11	0.23	41.912	16	33.6	2.85	16	33.6	F0	16	7616	A -7 5517
13		8.8A	10 42.090	0.0028	12	-7 26 33.62	0.007	12	0.25	42.044	16	33.6	33.74	16	33.6	F5	16	7615	A -7 5516
14		9.2A	10 43.612	0.0003	09	-5 25 10.28	-0.008	09	0.22	43.607	16	33.6	10.16	16	33.6	K8	F 17	7409	A -5 5498
15		7.6T	10 51.624	0.0012	10	-6 7 7.13	0.001	08	0.53	51.553	14	92.4	7.21	15	89.5	G5	GC	29662	-6 5712
16		8.9A	10 58.183	-0.0019	18	-9 50 8.15	0.017	20	0.35	58.213	18	33.6	8.43	16	33.6	G0	J 11	7522	A -10 5624
17		7.5A	10 58.298	0.0025	12	-6 40 21.86	-0.003	12	0.25	58.257	16	33.6	21.81	16	33.6	K2	16	7618	A -7 5518
18		9.8A	11 20.360	0.0013	11	-7 0 36.47	-0.010	11	0.23	20.339	16	33.6	36.31	16	33.6	F8	R 16	7619	A -7 5519
19		8.3A	11 29.437	-0.0001	09	-2 57 34.55	-0.000	09	0.22	29.438	16	33.6	34.55	16	33.6	K0	17	7410	A -3 5155
20		9.0A	11 32.146	0.0010	14	-1 17 7.79	-0.017	20	0.29	32.133	17	36.6	7.57	17	36.6	K0	21	5396	A -1 4125
21		9.3A	11 35.235	0.0021	12	-8 26 9.83	-0.013	12	0.25	35.201	16	33.6	9.62	16	33.6	G0	16	7620	A -8 5609
22		9.7A	11 37.086	-0.0006	09	-2 11 10.15	0.008	09	0.22	37.076	16	33.6	10.29	16	33.6	K2	R 17	7411	A -2 5485
23		9.0A	11 40.561	0.0016	14	-1 4 4.91	-0.011	20	0.29	40.540	17	36.6	4.77	17	36.6	K2	R 21	5397	A -1 4127
24		9.0A	11 42.844	0.0007	09	-4 1 16.90	0.014	09	0.22	42.832	16	33.6	17.12	16	33.6	K0	F 17	7412	A -4 5396
25		9.1A	11 51.177	-0.0026	09	-3 14 20.13	-0.038	09	0.22	51.220	16	33.6	19.51	16	33.6	G0	F 17	7413	A -3 5156
26		8.9A	11 55.254	0.0021	09	-2 28 16.74	0.000	09	0.22	55.220	16	33.6	16.74	16	33.6	F5	17	7414	A -2 5486
27		8.2A	11 56.899	0.0032	11	-6 10 16.05	0.009	11	0.23	56.846	16	33.6	16.21	16	33.6	A5	16	7621	A -6 5719
28		9.0A	11 57.736	0.0004	14	-1 11 21.56	0.030	20	0.29	57.731	17	36.6	21.97	17	36.6	G0	21	5400	A -1 4129
29		6.6T	12 3.119	0.0017	05	-0 6 55.83	-0.005	06	0.25	3.052	09	11.4	55.65	10	10.3	K5	GC	29698	-0 4186
30		7.3T	12 6.498	0.0005	09	-1 2 24.33	0.010	07	0.48	6.469	17	94.7	24.93	15	91.1	A0	GC	29699K	B* -1 4131
31		8.8A	12 14.667	-0.0011	11	-7 55 42.57	-0.009	11	0.23	14.685	16	33.6	42.43	16	33.6	F8	16	7622	A -8 5611
32		7.4T	12 15.127	-0.0003	06	-7 17 43.95	-0.022	05	0.37	15.148	15	90.4	42.59	14	87.5	F8	GC	29705	-7 5522
33		8.3A	12 15.170	-0.0013	09	-2 14 33.48	-0.006	09	0.22	15.192	16	33.6	33.39	16	33.6	G0	17	7415	A -2 5488
34		7.4A	12 17.732	0.0029	12	-8 33 39.51	0.002	12	0.25	17.683	16	33.6	39.55	16	33.6	F5	16	7624	A -8 5613
35		7.2T	12 25.749	-0.0009	06	-5 45 34.35	-0.026	06	0.26	25.788	07	08.1	33.30	07	09.1	K2	GC	29714	-6 5720
36		8.8A	12 27.780	0.0010	14	-1 23 41.72	-0.007	20	0.29	27.767	17	36.6	41.64	17	36.6	F2	21	5406	A -1 4132
37		7.1T	12 27.914	-0.0007	11	-2 46 49.43	0.008	11	0.61	27.950	15	94.8	49.86	17	96.6	A0	GC	29715	-3 5160
38		9.0A	12 33.912	0.0003	09	-4 1 35.89	-0.022	11	0.22	33.907	16	33.6	35.53	16	33.6	F0	F 17	7418	A -4 5398
39		8.0A	12 45.298	0.0017	12	-6 13 0.24	0.020	12	0.25	45.269	16	33.6	0.57	16	33.6	G5	16	7626	A -6 5722
40		8.9A	12 50.322	0.0002	11	-9 29 46.52	-0.027	11	0.23	50.319	16	33.6	46.08	16	33.6	K0	16	7627	A -9 5696
41		8.6A	12 52.005	0.0077	09	-5 40 23.24	0.000	09	0.22	51.879	16	33.6	23.24	16	33.6	G0	17	7419	A -6 5725
42		9.2A	12 52.863	0.0004	12	-7 10 16.05	-0.010	12	0.25	52.856	16	33.6	15.89	16	33.6	F0	R 16	7629	A -7 5524
43		8.4A	12 56.774	-0.0001	14	-0 28 39.07	0.011	20	0.29	56.776	17	36.6	39.23	17	36.6	K0	21	5408	A -0 4189
44		8.7A	13 0.680	0.0023	11	-2 45 5.87	-0.025	11	0.23	0.642	16	33.6	5.46	16	33.6	G5	17	7420	A -3 5162
45		8.5Q	13 4.483	-0.0008	09	-1 26 39.12	-0.054	05	0.38	4.516	17	06.4	36.29	15	97.3	F2	GC	29728	-1 4134
46		7.5T	13 7.909	0.0016	09	-9 19 46.88	0.002	07	0.47	7.902	18	96.7	47.00	15	92.4	K0	GC	29729	-9 5698
47		7.8T	13 13.820	0.0001	10	-9 36 1.10	0.013	08	0.47	13.812	18	01.8	1.76	17	99.0	F2	GC	29731	-9 5699
48		9.2A	13 16.191	-0.0008	12	-8 14 10.38	-0.019	12	0.25	16.204	16	33.6	10.07	16	33.6	K5	R 16	7632	A -8 5616
49		8.6A	13 28.432	0.0018	14	-0 0 28.46	-0.014	20	0.29	28.409	17	36.6	28.28	17	36.6	K0	21	5410	A -0 4190
50		9.5A	13 32.267	-0.0004	09	-2 10 18.98	-0.012	09	0.22	32.274	16	33.6	18.78	16	33.6	K5P	17	7421	A -2 5492
51	21	6.8T	13 36.770	-0.0007	04	-9 25 26.51	0.006	03	0.20	36.806	07	02.0	26.82	09	98.4	M0	GC	29742	B* -9 5700
52		9.6A	13 37.281	-0.0012	12	-6 58 3.53	0.010	12	0.25	37.301	16	33.6	3.69	16	33.6	F8	R 16	7634	A -7 5526
53		8.5A	13 43.554	-0.0021	14	-1 7 5.03	-0.041	20	0.29	43.585	17	36.6	4.49	17	36.6	K2	21	5411	A -1 4135
54		9.5A	13 43.744	-0.0006	12	-6 56 36.47	0.001	12	0.25	43.754	16	33.6	36.49	16	33.6	G0	R 16	7635	A -7 5527
55		9.2A	13 47.292	-0.0003	09	-4 2 14.87	-0.013	09	0.22	47.297	16	33.6	14.66	16	33.6	K2	F 17	7422	A -4 5402
56		7.3T	13 48.731	0.0011	08	-9 22 2.13	0.010	07	0.49	48.670	17	92.3	2.72	15	90.8	A0	GC	29747	-9 5701
57		8.0A	14 0.072	0.0000	14	-0 49 51.90	0.002	20	0.29	0.072	17	36.6	51.93	17	36.6	K0	21	5412	A -1 4136
58		8.0Q	14 3.443	0.0001	05	-7 51 52.78	0.019	04	0.30	3.439	15	97.8	54.04	12	84.5	F2	GC	29753K	B* -8 5617
59		6.4T	14 4.351	0.0022	10	-1 49 2.28	-0.010	09	0.55	4.230	14	96.0	1.74	14	95.5	K0	GC	29754	-2 5495
60		9.0A	14 4.898	0.0010	12	-9 32 46.82	0.001	12	0.25	4.882	16	33.6	46.84	16	33.6	K0	16	7637	A -9 5702
61		9.4A	14 12.901	-0.0017	12	-9 22 57.31	0.026	12	0.25	12.929	16	33.6	57.74	16	33.6	K0	R 16	7639	A -9 5703
62		9.2A	14 18.362	0.0000	09	-2 35 51.57	-0.002	11	0.22	18.361	16	33.6	51.54	16	33.6	M0	F 17	7424	A -2 5497
63		9.1A	14 21.837	0.0011	12	-8 29 40.80	-0.006	12	0.25	21.818	16	33.6	40.70	16	33.6	F0	16	7640	A -8 5621
64		8.6A	14 26.917	0.0113	14	-1 17 12.80	-0.006	20	0.29	26.765	17	36.6	12.73	17	36.6	K0	21	5414	A -1 4138
65		8.3A	14 33.535	0.0021	11	-4 26 58.37	0.009	11	0.23	33.502	16	33.6	58.51	16	33.6	K0	17	7425	A -4 5404
66		8.0A	14 47.847	0.0018	13	-5 34 32.02	0.006	13	0.27	47.818	16	33.6	32.12	16	33.6	G5	17	7426	A -5 5507
67		9.3A	14 51.383	-0.0017	12	-7 46 35.59	-0.014	12	0.25	51.411	16	33.6	35.36	16	33.6	K0	R 16	7643	A -8 5624
68		9.1A	14 51.688	0.0012	12	-8 3 24.96	-0.049	11	0.24	51.668	16	33.6	24.16	16	33.6	A2	16	7642	A -8 5623
69		8.5A	14 56.879	0.0010	09	-5 40 41.74	0.005	09	0.22	56.863	16	33.6	41.82	16	33.6	K5	17	7427	A -6 5729
70		9.0A	14 57.322	0.0089	13	-4 9 2.55	0.046	13	0.27	57.176	16	33.6	3.30	16	33.6	K0	17	7428	A -4 5408
71		9.0A	14 58.682	0.0012	12	-6 52 37.18	-0.011	12	0.25	58.662	16	33.6	37.00	16	33.6	K2	16	7645	A -7 5529
72		7.7A	14 59.685	0.0025	12	-5 59 30.38	-0.045	12	0.25	59.643	16	33.6	29.65	16	33.6	F5	16	7646	A -6 5730
73		8.5A	15 15.250	0.0023	09	-3 41 22.20	-0.003	09	0.22	15.212	16	33.6	22.15	16	33.6	K0	17	7429	A -4 5410
74		8.5A	15 19.948	0.0013	14	-1 35 53.63	0.022	20	0.29	19.931	17	36.6	53.93	17	36.6	MA	21	5417	A -1 4140
75		8.5Q	15 27.621	0.0301	08	-0 2 47.09	-0.179	07	0.45	25.939	10	94.2	36.88	12	92.8	K2	GC	29787	B* -0 4195
76		7.9A	15 29.102	0.0024	09	-2 21 8.25	-0.011	09	0.22	29.062	16	33.6	8.07	16	33.6	K2	17	7431	A -2 5499
77		8.9A	15 29.506	0.0008	12	-6 21 32.23	-0.001	12	0.25	29.493	16	33.6	32.22	16	33.6	MA	16	7647	A -6 5731
78		5.7T	15 33.726	0.0008	04	-4 43 49.63	0.020	03	0.20	33.682	10	97.0	50.62	09	00.1	B8	GC	29793	B* -5 5512
79		9.0A	15 36.545	0.0018	14	-0 1 3.29	0.041	20	0.29	36.521	17	36.6	3.85	17	36.6	K0	R 21	5420	A* -0 4196
80		9.0A	15 39.187	-0.0003	14	-1 8 6.00	-0.001	20	0.29	39.191	17	36.6	5.99	17	36.6	K0	R 21	5421	A -1 4142
81		9.3A	15 42.547	-0.0015	12	-7 34 9.99	-0.019	12	0.25	42.571	16	33.6	9.68	16	33.6	MA	R 16	7648	A -7 5531
82		9.6A	15 44.273	-0.0014	09	-5 33 22.54	-0.038	09	0.22	44.296	16	33.6	21.91	16	33.6	F6	F 17	7433	A -5 5514
83		7.8A	15 50.246	0.0042	15	-3 53 28.46	0.018	13	0.28	50.177	16	33.6	28.76	16	33.6	F0	17	7434	A -4 5413
84		8.5A	16 1.094	0.0006	09	-3 20 34.95	-0.027	09	0.22	1.083	16	33.6	34.51	16	33.6	K0	17	7435	A -3 5172
85		9.2A	16 2.197	-0.0003	12	-8 38 37.13	-0.008	12	0.25	2.201	16	33.6	37.00	16	33.6	F2	16	7650	A -9 5707
86		9.5A	16 8.446	-0.0004	09	-1 44 40.75	0.002	09	0.22	8.453	16	33.6	40.79	16	33.6	MA	17	7436	A -2 5503
87		8.3A	16 9.933	0.0002	11	-2 20 51.98	0.001	11	0.23	9.930	16	33.6	52.00	16	33.6	G5	17	7437	A -2 5504
88		8.2A	16 13.302	0.0017	12	-6 39 1.55	-0.025	12	0.25	13.275	16	33.6	1.14	16	33.6	K0	16	7651	A -7 5536
89		8.1A	16 20.125	-0.0003	12	-7 32 27.68	0.000	12	0.25	20.130	16	33.6	27.68	16	33.6	G0	16	7652	A -7 5537
90		8.2A	16 20.402	0.0017	12	-7 21 0.96	-0.025	12	0.25	20.373	16	33.6	0.55	16	33.6	K0	16	7653	A -7 5538
91		9.5A	16 22.438	0.0214	12	-8 5 24.17	-0.023	12	0.25	22.087	16	33.6	23.80	16	33.6	K2	16	7654	A -8 5627
92		9.0A	16 28.191	-0.0008	12	-9 22 48.96	0.081	12	0.25	28.204	16	33.6	50.29	16	33.6	F8	16	7655	A -9 5709
93		8.6A	16 34.199	0.0021	15	-9 47 25.26	0.002	15	0.30	34.165	18	33.6	25.29	16	33.6	F5	J 11	7555	A -10 5644
94		8.3A	16 43.506	0.0028	09	-1 58 47.08	-0.060	09	0.22	43.461	16	33.6	46.10	16	33.6	K2	17	7438	A -2 5505
95		9.6A	17 0.297	-0.0028	12	-8 27 55.74	-0.001	12	0.25	0.342	16	33.6	55.72	16	33.6	G0	16	7656	A -8 5628
96		8.2Q	17 2.766	0.0014	09	-5 41 56.45	-0.023	07	0.43	2.696	12	98.7	55.26	12	97.6	F8	GC	29838	-6 5733
97		8.2A	17 6.007	0.0052	09	-3 5 24.24	-0.006	09	0.22	5.922	16	33.6	24.14	16	33.6	G5	17	7440	A -3 5176
98		8.9A	17 10.528	0.0005	12	-6 13 59.31	0.000	12	0.25	10.520	16	33.6	59.31	16	33.6	K2	16	7658	A -6 5735
99		9.3A	17 17.737	0.0009	11	-7 12 7.58	-0.025	11	0.23	17.723	16	33.6	7.17	16	33.6	K0	R 16	7659	A -7 5540
00		9.2A	17 23.007	0.0006	12	-8 20 3.59	0.009	12	0.25	22.997	16	33.6	3.74	16	33.6	F5	16	7660	A -8 5629

145300

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	EPOCH 1950 μ_s s	EPOCH 1950 σ_μ .001	EPOCH 1950 δ_{1950} ° ′ ″	EPOCH 1950 μ' ″	EPOCH 1950 $\sigma_{\mu'}$ .001	EPOCH 1950 σ_{1950} ″	ORIGINAL EPOCH α_2 s	ORIGINAL EPOCH σ .01	ORIGINAL EPOCH ep.	ORIGINAL EPOCH δ_2 ″	ORIGINAL EPOCH σ' .01	ORIGINAL EPOCH ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	DM NUMBER
1		9.0A	21 17 25.962	0.0037	09	-5 19 13.13	-0.019	08	0.22	25.901	16	33.6	12.83	16	33.6	F5	17	7441	A -5 5520
2		8.9A	17 31.372	0.0002	14	-0 15 40.32	-0.018	20	0.29	31.369	17	36.6	40.08	17	36.6	F0 R	21	5423	A -0 4199
3		9.0A	17 33.166	0.0091	14	-0 7 1.45	0.013	20	0.29	33.044	17	36.6	1.63	17	36.6	G0 R	21	5425	A -0 4200
4		9.3A	17 38.482	0.0006	12	-6 6 59.97	0.010	12	0.25	38.452	16	33.6	0.14	16	33.6	G0	16	7861	A -6 5738
5		8.3A	17 43.723	0.0002	09	-1 45 2.18	0.036	09	0.22	43.721	16	33.6	2.77	16	33.6	G5	17	7442	A -2 5507
6		8.6A	17 50.778	-0.0062	09	-2 16 15.25	-0.252	09	0.22	50.881	16	33.6	11.13	16	33.6	G5	17	7443	A -2 5508
7		9.3A	17 54.344	-0.0034	13	-2 31 10.55	0.014	13	0.27	54.399	16	33.6	10.78	16	33.6	G2 F	17	7445	A -2 5509
8		9.2A	17 54.544	0.0020	11	-3 40 38.49	-0.004	11	0.23	54.511	16	33.6	38.43	16	33.6	K1 F	17	7444	A -4 5425
9		9.0A	17 58.440	-0.0007	17	-1 55 40.34	0.007	17	0.31	58.452	16	33.6	40.46	16	33.6	F2	17	7447	A -2 5510
10		9.2A	17 58.803	-0.0036	11	-3 11 32.21	-0.097	11	0.23	58.862	16	33.6	30.63	16	33.6	G8 F	17	7446	A -3 5178
11		9.1B	18 3.482	-0.0003	11	-1 40 5.18	0.002	08	0.49	3.496	15	02.7	5.28	15	00.7	A2	6C	29867	-2 5511
12		9.0A	18 4.970	0.0000	14	-0 37 39.00	-0.009	20	0.29	4.970	17	36.6	38.89	17	36.6		21	5430	A -1 4152
13		8.0B	18 9.325	-0.0012	11	-9 21 50.52	0.001	11	0.54	9.384	17	02.9	50.57	17	02.8	K2	6C	29870	-9 5715
14		9.1A	18 11.909	0.0021	11	-9 15 18.06	-0.023	11	0.23	11.875	16	33.6	17.71	16	33.6	G0	16	7863	A -9 5716
15		9.0A	18 15.474	0.0003	12	-7 0 28.67	-0.033	12	0.25	15.469	16	33.6	28.13	16	33.6	K0	16	7864	A -7 5543
16		9.2A	18 23.827	-0.0026	13	-2 18 58.74	-0.152	13	0.27	23.870	16	33.6	56.26	16	33.6	G0	17	7449	A -2 5514
17		6.0T	18 27.058	-0.0010	03	-4 46 24.00	0.014	03	0.16	27.105	06	02.1	24.75	06	05.7	K0	6C	29877	B* -5 5524
18		9.3A	18 29.184	0.0005	09	-3 16 26.27	-0.025	09	0.22	29.175	16	33.6	25.87	16	33.6	K3 F	17	7451	A -3 5181
19		9.2A	18 35.522	0.0086	09	-3 14 57.79	0.090	09	0.22	35.361	16	33.6	59.40	16	33.6	F8	17	7452	A -3 5182
20		8.0A	18 36.257	-0.0044	12	-8 28 45.46	-0.057	12	0.25	36.329	16	33.6	44.53	16	33.6	G0	16	7865	A -8 5631
21		9.4A	18 40.991	0.0008	11	-8 44 52.90	-0.005	11	0.23	40.938	16	33.6	52.98	16	33.6	K	16	7866	A -8 5718
22		9.2A	18 41.150	-0.0003	12	-8 20 18.62	-0.014	11	0.24	41.155	16	33.6	18.39	16	33.6	F8	16	7867	A -8 5632
23		9.3A	18 52.280	-0.0002	12	-6 0 23.48	-0.012	12	0.24	52.253	16	33.6	23.28	16	33.6	K5 R	17	7868	A -6 5741
24		9.5A	18 55.313	0.0008	13	-5 45 13.75	0.018	13	0.27	55.298	16	33.6	14.05	16	33.6	A5 F	17	7453	A -5 5742
25		8.2A	18 56.921	-0.0011	14	-1 2 59.31	-0.023	20	0.29	56.936	17	36.6	59.01	17	36.6	K2	21	5435	A -1 4153
26		8.9A	18 59.693	0.0028	13	-5 31 55.26	0.011	13	0.27	59.647	16	33.6	55.45	16	33.6	F5	17	7454	A -5 5528
27		8.0A	19 2.460	0.0006	13	-4 42 0.06	-0.022	15	0.28	2.451	16	33.6	59.70	16	33.6	K2	17	7455	A -4 5529
28		9.1A	19 8.944	-0.0015	13	-2 18 6.75	-0.019	13	0.27	8.968	16	33.6	6.45	16	33.6	G8 F	17	7456	A -2 5516
29		8.6A	19 10.178	-0.0001	11	-3 24 46.77	-0.009	11	0.23	10.179	16	33.6	46.63	16	33.6	K0	17	7457	A -3 5184
30		9.4A	19 13.029	0.0034	13	-1 38 24.39	0.025	13	0.27	12.975	16	33.6	24.80	16	33.6	F8 F	17	7458	A -2 5517
31		8.2A	19 15.960	0.0146	13	-4 23 10.77	-0.125	15	0.28	15.721	16	33.6	8.72	16	33.6	K0	17	7459	A -4 5433
32		8.2A	19 16.428	-0.0009	12	-7 44 3.95	-0.011	12	0.25	16.442	16	33.6	3.77	16	33.6	K0	16	7872	A -8 5634
33		6.9T	19 17.763	0.0014	03	-9 32 27.85	-0.042	04	0.22	17.692	09	97.5	25.53	09	94.7	K2	6C	29900	B* -9 5724
34		9.0A	19 19.315	0.0016	11	-4 37 15.77	0.006	11	0.23	19.289	16	33.6	15.86	16	33.6	A0	17	7460	A -5 5532
35		9.2A	19 22.518	0.0009	11	-1 37 0.21	0.030	11	0.23	22.504	16	33.6	0.71	16	33.6	K2 F	17	7461	A -2 5518
36		8.9A	19 27.597	-0.0001	15	-4 39 27.64	-0.019	15	0.28	27.600	16	33.6	27.32	16	33.6	G5	17	7462	A -5 5533
37		9.3A	19 29.447	-0.0014	12	-9 43 54.85	0.004	12	0.25	29.470	16	33.6	54.91	16	33.6	K7	16	7873	A -10 5659
38		9.3A	19 42.251	-0.0005	12	-7 3 37.68	-0.009	12	0.25	42.260	16	33.6	37.53	16	33.6	A0	16	7874	A -7 5546
39		9.1A	19 49.888	0.0020	09	-3 16 15.24	0.021	09	0.22	49.855	16	33.6	15.59	16	33.6	A5 F	17	7463	A -3 5187
40		8.9A	19 50.040	0.0025	12	-7 43 21.93	-0.018	12	0.25	50.003	16	33.6	21.64	16	33.6	K0	16	7875	A -8 5635
41		6.6T	19 50.678	-0.0030	11	-3 20 38.24	-0.011	10	0.56	50.835	14	97.0	37.68	14	98.5	F2	6C	29916	-3 5188
42		9.3A	19 57.104	-0.0008	11	-2 7 55.34	-0.006	11	0.23	57.117	16	33.6	55.25	16	33.6	K2 F	17	7465	A -2 5520
43		9.0A	19 58.181	-0.0008	14	-0 50 40.27	-0.018	20	0.29	58.192	17	36.6	40.03	17	36.6	F0	21	5436	A -1 4155
44		7.1T	19 58.996	-0.0000	09	-5 50 49.43	-0.009	08	0.44	58.998	14	02.9	49.00	14	01.0	K5	6C	29917	-6 5743
45		9.0A	20 0.635	-0.0012	14	-0 7 34.47	-0.074	20	0.29	0.651	17	36.6	33.48	17	36.6	F8	21	5437	A -0 4205
46		8.5A	20 2.285	0.0011	14	-1 14 4.46	0.008	20	0.29	2.270	17	36.6	4.57	17	36.6	A3	21	5438	A -1 4156
47		9.2A	20 3.440	0.0017	09	-5 20 35.67	-0.026	09	0.22	3.412	16	33.6	35.25	16	33.6	K0	17	7466	A -5 5535
48		9.0A	20 11.529	0.0084	11	-2 47 41.53	0.020	11	0.23	11.490	16	33.6	41.86	16	33.6	A3	17	7467	A -3 5191
49		8.4B	20 12.892	0.0021	10	-3 45 38.14	-0.021	08	0.48	12.788	17	01.0	37.01	17	96.2	K0	6C	29924	-4 5438
50		9.1A	20 15.343	-0.0001	13	-2 44 41.46	0.024	13	0.27	15.344	16	33.6	41.86	16	33.6	K5	17	7469	A -3 5192
51		6.2T	21 20 15.492	-0.0020	03	-9 32 0.61	-0.025	03	0.18	15.590	07	99.4	59.31	07	97.9	K5	6C	29925	B* -9 5728
52		8.2A	20 20.648	0.0005	12	-6 26 50.16	0.002	12	0.25	20.640	16	33.6	50.19	16	33.6	MA	16	7878	A -6 5745
53		9.2A	20 29.987	-0.0007	12	-6 44 29.65	-0.041	12	0.25	29.998	16	33.6	28.98	16	33.6	F8 R	16	7879	A -7 5548
54		9.0A	20 35.169	0.0001	11	-8 31 49.59	0.015	11	0.23	35.167	16	33.6	49.84	16	33.6	G5	16	7880	A -8 5636
55		7.7A	20 35.999	0.0004	14	-0 59 14.72	-0.020	20	0.29	35.994	17	36.6	14.46	17	36.6	K0	21	5439	A -1 4158
56		8.8A	20 40.782	0.0013	09	-2 1 36.33	0.024	09	0.22	40.760	16	33.6	36.72	16	33.6	K2	17	7471	A -2 5522
57		9.0A	20 43.033	0.0018	09	-5 11 41.49	0.017	09	0.22	43.004	16	33.6	41.78	16	33.6	F0	17	7470	A -5 5536
58		9.3A	20 44.256	0.0028	11	-8 32 30.93	-0.019	09	0.22	44.210	16	33.6	30.62	16	33.6	G5 R	16	7881	A -8 5639
59		8.6A	20 46.355	-0.0002	14	-1 9 44.78	0.015	20	0.29	46.357	17	36.6	44.99	17	36.6	G5	21	5441	A -1 4159
60		9.1A	21 0.310	0.0003	09	-1 48 36.13	0.003	09	0.22	0.306	16	33.6	36.18	16	33.6	F8	17	7472	A -2 5524
61		8.0B	21 12.457	-0.0096	08	-6 47 56.99	0.000	05	0.39	12.978	15	95.9	57.00	15	86.8	F8	6C	29948	-7 5549
62		8.4A	21 15.856	-0.0017	09	-6 47 57.33	-0.036	09	0.22	15.884	16	33.6	56.74	16	33.6	K2	16	7883	A -7 5550
63		9.5A	21 25.376	0.0046	12	-8 47 21.35	-0.045	12	0.25	25.299	16	33.6	20.61	16	33.6	G0	16	7884	A -9 5734
64		9.3A	21 31.807	0.0100	12	-2 7 50.44	0.004	09	0.23	31.643	16	33.6	50.51	16	33.6	G5	17	7473	A -2 5525
65		8.3A	21 32.042	0.0015	12	-6 57 33.53	0.025	12	0.25	32.017	16	33.6	33.94	16	33.6	F5	16	7885	A -7 5551
66		8.9A	21 32.426	0.0019	15	-9 53 45.73	0.036	17	0.31	32.394	18	33.6	46.30	16	33.6	F3 J	11	7589	A -10 5663
67		9.4A	21 53.256	0.0002	09	-5 13 14.64	-0.070	09	0.22	53.252	16	33.6	13.50	16	33.6	G5	17	7474	A -5 5542
68		9.5A	21 54.128	-0.0054	09	-2 26 38.07	-0.082	09	0.22	54.218	16	33.6	37.06	16	33.6	G0	17	7475	A -2 5528
69		9.5A	21 56.173	0.0022	13	-5 56 9.00	0.026	13	0.27	56.136	16	33.6	9.43	16	33.6	F5 F	17	7476	A -2 5529
70		7.2A	21 57.228	-0.0014	12	-6 55 49.34	-0.053	12	0.25	57.250	16	33.6	48.47	16	33.6	F2	16	7886	A -7 5553
71		9.1A	21 59.288	0.0007	09	-1 56 0.69	0.010	09	0.22	59.277	16	33.6	0.86	16	33.6	A0	17	7477	A -2 5531
72		9.0A	22 0.263	0.0033	09	-8 8 25.20	-0.007	09	0.22	0.209	16	33.6	25.09	16	33.6	F5	16	7887	A -8 5644
73		8.3A	22 4.406	0.0009	09	-4 33 21.30	-0.071	09	0.22	4.392	16	33.6	20.13	16	33.6	F8	17	7478	A -4 5443
74		9.1A	22 4.485	0.0004	12	-8 52 12.66	-0.017	12	0.25	4.478	16	33.6	12.38	16	33.6	K0	16	7888	A -9 5736
75		7.5A	22 4.754	0.0031	12	-5 47 47.65	-0.020	12	0.25	4.704	16	33.6	47.33	16	33.6	K0	16	7889	A -6 5750
76		6.4T	22 15.332	-0.0006	04	-3 36 49.45	-0.049	03	0.17	15.353	09	12.9	47.31	09	06.3	F0	6C	29976	B* -4 5444
77		8.0A	22 16.303	0.0075	12	-8 23 49.22	0.124	12	0.25	16.183	16	33.6	51.25	16	33.6	G0	16	7890	A -8 5645
78		9.2A	22 28.324	0.0004	12	-7 15 21.40	-0.002	12	0.25	28.317	16	33.6	21.37	16	33.6	G5	16	7891	A -7 5555
79		8.6A	22 29.046	0.0007	11	-5 54 57.28	0.014	11	0.23	29.035	16	33.6	57.51	16	33.6	K0	16	7892	A -6 5754
80		8.7A	22 31.561	0.0000	09	-2 31 23.98	0.029	09	0.22	31.560	16	33.6	24.46	16	33.6	G0	17	7480	A -2 5532
81		8.1B	22 31.702	0.0020	11	-2 12 17.10	-0.005	08	0.50	31.607	15	03.1	16.85	15	99.1	A3	6C	29967	-2 5533
82		5.8T	22 31.909	0.0014	03	-9 57 45.06	-0.169	03	0.18	31.834	06	98.3	35.82	06	95.3	A2	6C	29988	B* -10 5668
83		9.0A	22 37.029	-0.0010	14	-0 28 7.30	0.005	20	0.29	37.043	17	36.6	7.37	17	36.6	A0	21	5447	A -0 4213
84		5.7T	22 40.514	-0.0011	03	-3 46 20.04	-0.070	03	0.16	40.560	07	07.3	16.91	06	05.3	K0	6C	29993	B* -4 5446
85		9.7A	22 44.836	-0.0019	09	-5 28 37.95	-0.004	09	0.22	44.868	16	33.6	37.89	16	33.6	K0 F	17	7483	A -5 5543
86		9.2A	22 50.474	0.0022	11	-4 58 56.73	-0.003	11	0.23	50.439	16	33.6	56.67	16	33.6	F5	17	7484	A -5 5544
87		8.7A	22 54.866	-0.0012	14	-1 9 43.69	0.001	20	0.29	54.883	17	36.6	43.71	17	36.6	G0	21	5449	A -1 4164
88		9.1A	22 56.825	-0.0003	12	-8 46 46.39	0.008	12	0.25	56.829	16	33.6	46.52	16	33.6	F5	16	7894	A -9 5740
89		8.8A	22 58.828	-0.0005	14	-1 12 6.42	0.033	20	0.29	58.835	17	36.6	6.87	17	36.6	G0	21	5450	A -1 4165
90		9.4A	22 59.636	-0.0020	12	-9 28 17.93	-0.015	12	0.25	59.671	16	33.6	17.68	16	33.6	K2	16	7895	A -9 5741
91		8.3A	23 0.883	0.0008	14	-0 26 53.86	-0.003	20	0.29	0.872	17	36.6	53.83	17	36.6	K5	21	5451	A -0 4214
92		8.9A	23 2.650	0.0024	11	-8 2 12.08	-0.057	11	0.23	2.610	16	33.6	11.15	16	33.6	F8	16	7896	A -8 5648
93		9.4A	23 6.246	-0.0003	11	-8 6 36.44	-0.019	11	0.23	6.251	16	33.6	36.13	16	33.6	K0 R	16	7897	A -8 5649
94		9.3A	23 11.140	0.0010	09	-1 42 31.54	0.001	09	0.22	11.124	16	33.6	31.56	16	33.6	G2 F	17	7485	A -2 5535
95		8.2A	23 22.010	0.0015	12	-8 30 3.70	-0.068	12	0.25	21.985	16	33.6	2.59	16	33.6	K0	16	7898	A -8 5650
96		8.8A	23 45.449	-0.0004	09	-1 54 37.27	-0.001	09	0.22	45.455	16	33.6	37.26	16	33.6	K5	17	7486	A -2 5539
97		9.0A	23 50.420	-0.0002	09	-4 24 5.24	-0.001	09	0.22	50.424	16	33.6	5.23	16	33.6	K3 F	17	7487	A -4 5450
98		8.3A	23 53.580	-0.0017	11	-3 12 16.61	-0.066	11	0.23	53.607	16	33.6	15.53	16	33.6	F8	17	7488	A -3 5206
99		8.2A	23 57.250	0.0007	12	-6 13 6.38	-0.003	09	0.23	57.218	16	33.6	6.33	16	33.6	G5	16	7899	A -6 5757
00		8.8A	24 13.934	0.0009	11	-6 1 55.68	-0.002	11	0.23	13.920	16	33.6	55.65	16	33.6	K5	16	7700	A -6 5759

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NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	EPOCH 1950 μ s	EPOCH 1950 σ_μ ″.001	EPOCH 1950 δ_{1950} ° ′ ″	EPOCH 1950 μ' ″	EPOCH 1950 $\sigma_{\mu'}$ ″.001	EPOCH 1950 σ_{1950} ″	ORIGINAL EPOCH α_2 s	ORIGINAL EPOCH σ ″.01	ORIGINAL EPOCH ep.	ORIGINAL EPOCH δ_2 ″	ORIGINAL EPOCH σ' ″.01	ORIGINAL EPOCH ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	SOURCE DM NUMBER
1		8.8A	21 24 15.220	0.0121	11	-2 57 11.00	-0.018	11	0.23	15.021	16	33.6	10.71	16	33.6	G0	17	7489	A -3 5208
2		9.3A	24 16.720	0.0000	09	-3 1 34.83	-0.019	09	0.22	16.719	16	33.6	34.52	16	33.6	K0 F	17	7490	A -3 5209
3		8.8A	24 21.389	0.0041	12	-7 11 45.00	-0.104	12	0.25	21.322	16	33.6	43.30	16	33.6	G0	16	7701	A -7 5561
4		8.5A	24 24.784	0.0008	12	-6 41 48.05	-0.039	12	0.25	24.771	16	33.6	47.41	16	33.6	K0	16	7702	A -7 5563
5		9.2A	24 30.590	0.0021	11	-8 13 36.37	-0.062	11	0.23	30.556	16	33.6	35.36	16	33.6	G0	16	7703	A -8 5653
6		7.9A	24 35.678	-0.0001	12	-9 0 25.27	-0.048	12	0.25	35.679	16	33.6	24.49	16	33.6	A5	16	7704	A -9 5747
7		8.6A	24 39.340	-0.0016	12	-9 14 58.68	0.005	12	0.25	39.366	16	33.6	58.76	16	33.6	K0	16	7705	A -9 5748
8		9.0A	24 39.448	-0.0006	09	-1 56 52.86	-0.009	09	0.22	39.458	16	33.6	52.72	16	33.6	G5	17	7491	A -2 5541
9		7.6A	24 44.235	0.0003	12	-7 13 57.59	-0.098	12	0.25	44.229	16	33.6	55.99	16	33.6	F8	16	7706	A -7 5565
10		8.1A	24 48.114	0.0015	09	-2 59 15.19	0.007	09	0.22	48.089	16	33.6	15.31	16	33.6	A0	17	7492	A -3 5211
11		7.9A	25 5.062	-0.0002	12	-8 34 40.73	-0.007	12	0.25	5.064	16	33.6	40.62	16	33.6	MA	16	7707	A -8 5657
12		9.3A	25 11.386	-0.0003	12	-8 53 10.10	-0.017	12	0.25	11.390	16	33.6	10.38	16	33.6	K2 R	16	7708	A -9 5751
13		9.3A	25 11.912	-0.0017	09	-2 19 9.19	-0.018	09	0.22	11.940	16	33.6	8.90	16	33.6	F8 F	17	7493	A -2 5543
14		9.2A	25 13.733	-0.0037	15	-9 51 10.43	-0.046	17	0.31	13.793	18	33.6	11.18	16	33.6	K0 J	11	7610	A -10 5675
15		8.5A	25 15.531	0.0014	09	-5 36 42.73	-0.030	11	0.22	15.508	16	33.6	42.24	16	33.6	F0	17	7494	A -6 5760
16		8.7A	25 18.264	-0.0010	09	-3 22 21.27	0.009	09	0.22	18.279	16	33.6	21.42	16	33.6	K2	17	7495	A -3 5213
17		8.6Q	25 18.458	-0.0010	13	-2 38 46.49	-0.012	09	0.56	18.504	17	03.0	45.89	17	99.5	K0	GC	30043	-3 5214
18		8.7A	25 24.105	0.0018	12	-5 50 17.74	-0.009	11	0.24	24.076	16	33.6	17.89	16	33.6	F0	16	7710	A -6 5761
19		9.0A	25 30.906	-0.0015	13	-4 50 12.68	-0.153	13	0.27	30.931	16	33.6	10.17	16	33.6	K0	17	7497	A -5 5555
20		7.8Q	25 43.138	-0.0003	10	-2 49 48.34	-0.062	07	0.49	43.152	15	97.3	44.96	15	95.4	K2	GC	30055	-3 5216
21		6.9T	25 45.717	0.0013	09	-3 6 13.79	-0.013	07	0.49	45.643	15	94.1	13.05	14	92.8	K0	GC	30057	-3 5217
22		8.8A	25 58.555	-0.0022	11	-4 22 55.62	-0.018	11	0.23	58.592	16	33.6	55.33	16	33.6	K5	17	7500	A -4 5458
23		8.6A	25 58.993	0.0001	12	-6 49 59.26	-0.030	12	0.25	58.991	16	33.6	58.77	16	33.6	F8	16	7711	A -7 5569
24		8.9A	26 3.999	0.0005	12	-9 9 34.67	0.006	12	0.25	3.991	16	33.6	34.77	16	33.6	K0	16	7712	A -9 5752
25		9.4A	26 7.359	-0.0002	12	-8 20 50.91	-0.001	12	0.25	7.362	16	33.6	50.89	16	33.6	F8	16	7713	A -8 5660
26		7.7A	26 12.430	0.0015	12	-9 12 33.18	-0.036	12	0.25	12.405	16	33.6	32.59	16	33.6	K0	16	7714	A -9 5753
27		9.1A	26 12.784	-0.0005	09	-2 25 20.74	0.000	09	0.22	12.792	16	33.6	20.74	16	33.6	K0	17	7501	A -2 5547
28		9.6A	26 20.565	0.0015	12	-7 22 35.27	-0.048	12	0.25	20.541	16	33.6	34.48	16	33.6	F8 R	16	7715	A -7 5570
29		9.1A	26 28.160	-0.0005	11	-6 55 23.34	-0.026	11	0.23	28.168	16	33.6	22.91	16	33.6	A0	16	7716	A -7 5571
30		9.2A	26 29.407	-0.0004	09	-1 46 59.62	0.010	09	0.22	29.414	16	33.6	59.79	16	33.6	G8 F	17	7502	A -2 5548
31		8.7A	26 33.092	-0.0018	09	-4 26 36.61	0.008	09	0.22	33.121	16	33.6	36.74	16	33.6	K5	17	7503	A -4 5459
32		9.0A	26 46.662	0.0018	09	-3 26 4.55	-0.023	09	0.22	46.631	16	33.6	4.18	16	33.6	G5	17	7504	A -3 5222
33		8.5A	26 51.797	-0.0010	09	-3 44 3.15	-0.035	09	0.22	51.813	16	33.6	2.57	16	33.6	G0	17	7505	A -4 5460
34		8.7A	26 54.381	-0.0006	12	-8 41 30.60	-0.020	12	0.25	54.390	16	33.6	30.27	16	33.6	K2	16	7717	A -9 5757
35		9.1A	27 1.460	0.0028	12	-8 5 28.12	-0.018	12	0.25	1.414	16	33.6	27.83	16	33.6	K0 R	16	7718	A -8 5662
36		8.9A	27 13.150	0.0054	14	-0 4 39.99	0.010	20	0.29	13.078	17	36.6	40.13	17	36.6	F8	21	5459	A -0 4226
37		8.9A	27 18.158	0.0018	12	-8 49 16.91	0.017	12	0.25	18.128	16	33.6	17.19	16	33.6	K0	16	7719	A -9 5758
38		8.7A	27 22.390	-0.0017	11	-7 30 48.24	-0.012	11	0.23	22.418	16	33.6	48.05	16	33.6	K0	16	7720	A -7 5574
39		8.5A	27 23.771	0.0008	11	-5 37 5.09	-0.034	13	0.25	23.758	16	33.6	4.53	16	33.6	F0	17	7506K	A -6 5766
40		9.2A	27 23.785	0.0005	12	-6 49 52.34	-0.015	12	0.25	23.776	16	33.6	52.10	16	33.6	K0	16	7721	A -7 5575
41		9.1A	27 34.044	0.0019	13	-5 42 27.29	-0.033	13	0.27	34.013	16	33.6	26.75	16	33.6	F8	17	7507K	A -6 5767
42		9.0A	27 36.781	0.0009	09	-3 1 9.93	-0.004	09	0.22	36.766	16	33.6	9.87	16	33.6	G0	17	7509	A -3 5226
43		8.0A	27 37.972	0.0037	09	-4 43 19.27	0.006	09	0.22	37.912	16	33.6	19.36	16	33.6	A3	17	7508	A -5 5564
44		9.3A	27 39.065	-0.0020	11	-8 23 3.17	-0.006	12	0.24	39.098	16	33.6	3.07	16	33.6	K2 R	16	7724	A -8 5665
45		8.3A	27 39.115	0.0011	09	-1 45 15.47	-0.002	09	0.22	39.098	16	33.6	15.44	16	33.6	A2	17	7510	A -2 5551
46		9.5A	28 3.213	-0.0004	12	-8 20 46.88	-0.038	12	0.25	3.220	16	33.6	46.26	16	33.6	G0 R	16	7725	A -8 5666
47		8.8A	28 8.666	0.0022	14	-0 8 17.14	-0.040	20	0.29	8.636	17	36.6	16.61	17	36.6	G0	21	5462K	A -0 4229
48		9.0A	28 18.674	0.0002	13	-4 23 38.85	-0.021	13	0.27	18.671	16	33.6	38.50	16	33.6	G0	17	7511	A -4 5469
49		8.8A	28 29.233	0.0011	13	-1 57 9.66	-0.002	13	0.27	29.216	16	33.6	9.63	16	33.6	F5	17	7512	A -2 5554
50		9.0A	28 34.202	0.0002	13	-3 14 53.50	-0.043	13	0.27	34.198	16	33.6	52.80	16	33.6	K2	17	7513	A -3 5231
51		8.8A	21 28 46.825	-0.0001	13	-4 5 55.72	-0.009	13	0.27	46.827	16	33.6	55.58	16	33.6	G0	17	7514	A -4 5472
52		8.8A	28 47.806	-0.0002	12	-8 57 49.51	-0.000	12	0.25	47.808	16	33.6	49.31	16	33.6	K0	16	7727	A -9 5762
53		8.6A	28 47.888	-0.0000	13	-4 44 49.80	-0.071	13	0.27	47.888	16	33.6	48.63	16	33.6	F8	17	7515	A -5 5568
54		9.3A	28 47.923	-0.0012	12	-9 15 18.48	-0.007	12	0.25	47.942	16	33.6	18.37	16	33.6	F5	16	7726	A -9 5763
55		7.4T	28 53.865	-0.0100	20	-9 57 51.22	-0.132	12	0.78	54.334	10	03.3	44.87	10	01.9	G0	GC	30136	-10 5696
56		8.6A	28 54.962	0.0039	13	-4 40 42.59	-0.076	13	0.27	54.898	16	33.6	41.34	16	33.6	F8	17	7516	A -5 5569
57		5.1H	28 55.650	0.0013	01	-5 47 31.68	-0.005	01	0.03	55.594	02	06.5	31.44	02	04.9	G0	F4	808	-6 5770
58		9.2A	28 57.751	-0.0018	13	-3 18 6.97	0.007	13	0.27	57.779	16	33.6	7.09	16	33.6	K2	17	7517	A -3 5232
59		9.0A	29 2.621	-0.0000	12	-7 3 4.20	-0.010	12	0.25	2.621	16	33.6	4.04	16	33.6	K2	16	7729	A -7 5579
60		9.5A	29 3.869	0.0061	13	-1 51 41.24	-0.021	13	0.27	3.769	16	33.6	40.90	16	33.6	G8 F	17	7518	A -2 5555
61		9.2A	29 4.934	-0.0014	13	-1 46 52.43	0.004	13	0.27	4.956	16	33.6	52.50	16	33.6	K0 F	17	7519	A -2 5556
62		9.5A	29 5.249	-0.0000	12	-8 24 31.95	-0.026	12	0.25	5.249	16	33.6	31.49	16	33.6	MA R	16	7730	A -8 5670
63		9.5A	29 9.489	0.0001	12	-8 23 1.54	-0.010	12	0.25	9.488	16	33.6	1.38	16	33.6	G	16	7731	A -8 5671
64		9.0A	29 12.071	-0.0004	13	-3 51 7.83	0.008	13	0.27	12.078	16	33.6	7.95	16	33.6	G5	17	7520	A -4 5473
65		9.2A	29 16.119	-0.0004	13	-1 47 39.19	0.024	13	0.27	16.127	16	33.6	39.58	16	33.6	A2	17	7521	A -2 5559
66		9.1A	29 17.132	-0.0012	12	-8 7 35.58	-0.025	13	0.26	17.152	16	33.6	35.17	16	33.6	K0	16	7732	A -8 5672
67		9.3A	29 22.463	0.0016	12	-6 25 1.32	0.015	12	0.25	22.437	16	33.6	1.57	16	33.6	G0	16	7733	A -6 5772
68		8.7A	29 30.233	0.0008	13	-1 45 50.32	-0.005	13	0.27	30.220	16	33.6	50.24	16	33.6	F5	17	7522	A -2 5561
69		9.1A	29 41.493	-0.0001	13	-2 10 52.44	-0.021	13	0.27	41.494	16	33.6	52.10	16	33.6	F5	17	7523	A -2 5562
70		9.1A	29 44.841	0.0003	11	-3 7 17.59	0.016	11	0.23	44.836	16	33.6	17.85	16	33.6	K5	17	7524	A -3 5236
71		9.0A	29 49.613	0.0007	12	-6 53 8.71	0.004	12	0.25	49.602	16	33.6	8.78	16	33.6	F0	16	7734	A -7 5581
72		8.6Q	29 51.895	0.0001	12	-6 31 48.98	-0.013	09	0.51	51.892	17	04.4	48.35	15	01.3	K0	GC	30159	-6 5775
73		8.8A	29 56.758	0.0002	09	-3 16 27.55	-0.008	09	0.22	56.754	16	33.6	27.42	16	33.6	F0	17	7525	A -3 5237
74		9.4A	30 2.140	0.0005	12	-9 20 33.90	-0.018	12	0.25	2.132	16	33.6	33.61	16	33.6	K2	16	7736	A -9 5764
75		8.3A	30 5.450	0.0006	09	-1 49 46.83	-0.040	11	0.22	5.440	16	33.6	46.18	16	33.6	MA	17	7526	A -2 5563
76		9.1A	30 24.555	-0.0007	12	-8 26 16.74	0.010	12	0.25	24.567	16	33.6	16.91	16	33.6	K0	16	7737	A -8 5674
77		8.8A	30 30.317	0.0028	09	-3 24 55.75	-0.066	09	0.22	30.271	16	33.6	54.67	16	33.6	G0	17	7527	A -3 5239
78		9.2A	30 31.192	0.0020	12	-6 12 15.26	0.000	12	0.25	31.159	16	33.6	15.27	16	33.6	K0	16	7738	A -6 5779
79		8.9A	30 31.819	-0.0003	14	-1 34 31.89	-0.014	20	0.29	31.823	17	36.6	31.71	17	36.6	K2	21	5467	A -1 4174
80		9.2A	30 33.317	-0.0021	17	-9 50 22.49	0.016	18	0.33	33.351	18	33.6	22.75	16	33.6	K2 J	11	7640	A -10 5704
81		9.0A	30 34.336	0.0033	11	-4 44 53.05	-0.060	11	0.23	34.282	16	33.6	52.06	16	33.6	F8	17	7529	A -5 5579
82		9.4A	30 37.880	-0.0004	09	-2 7 23.03	-0.004	09	0.22	37.887	16	33.6	22.97	16	33.6	K0 F	17	7530	A -2 5564
83		8.1A	30 54.627	0.0002	17	-9 52 59.03	-0.004	18	0.33	54.624	18	33.6	58.97	16	33.6	B9 J	11	7642	A -10 5705
84		8.8A	30 59.021	-0.0014	11	-9 21 24.64	-0.007	11	0.23	59.043	16	33.6	24.53	16	33.6	A2	16	7739	A -9 5767
85		9.0A	30 59.336	0.0011	13	-4 51 18.84	-0.012	13	0.27	59.318	16	33.6	18.63	16	33.6	K0	17	7531	A -5 5581
86		8.6Q	31 1.135	-0.0003	09	-6 35 46.12	-0.025	09	0.45	1.150	15	02.6	44.93	15	01.9	K0	GC	30181	-7 5584
87		8.7A	31 5.897	0.0002	13	-5 24 34.19	-0.012	13	0.27	5.893	16	33.6	33.98	16	33.6	K2	17	7532	A -5 5582
88		7.8Q	31 8.658	0.0014	10	-5 38 26.19	-0.050	10	0.53	8.589	15	99.0	23.58	15	97.4	A0	GC	30184	-6 5781
89		8.7A	31 9.398	0.0013	09	-2 35 31.40	0.017	11	0.22	9.376	16	33.6	31.68	16	33.6	F5	17	7534	A -3 5244
90		9.2A	31 11.780	0.0001	13	-2 12 17.96	0.004	13	0.27	11.778	16	33.6	18.03	16	33.6	K5 F	17	7535	A -2 5565
91		9.2A	31 13.742	-0.0007	12	-8 47 56.34	-0.008	12	0.25	13.754	16	33.6	56.21	16	33.6	K0	16	7742	A -9 5769
92		9.0A	31 16.078	0.0034	13	-5 42 7.48	0.002	13	0.27	16.022	16	33.6	7.52	16	33.6	K2	17	7536	A -6 5782
93		6.9T	31 30.551	0.0030	11	-4 35 28.56	0.005	12	0.59	30.396	15	98.6	28.80	17	99.5	A2	GC	30192K	-5 5584
94		8.8A	31 31.742	-0.0008	09	-1 47 1.94	-0.035	09	0.22	31.755	16	33.6	1.37	16	33.6	F8	17	7538	A -2 5566
95		9.4A	31 36.932	0.0008	11	-1 43 10.58	0.005	11	0.23	36.918	16	33.6	10.67	16	33.6	F6 F	17	7540	A -2 5567
96		7.0T	31 38.921	-0.0002	11	-3 38 0.55	-0.029	11	0.62	38.931	15	95.1	58.99	17	96.6	K0	GC	30198	-4 5487
97		9.0A	31 41.812	0.0004	11	-7 48 10.80	-0.004	11	0.23	41.806	16	33.6	10.74	16	33.6	F5	16	7744	A -8 5681
98		8.5A	31 45.643	0.0003	12	-8 26 8.08	0.002	12	0.25	45.639	16	33.6	8.12	16	33.6	K0	16	7745	A -8 5682
99		9.1A	31 51.428	0.0010	11	-2 14 26.11	-0.019	11	0.23	51.412	16	33.6	25.80	16	33.6	K0	17	7542	A -2 5568
00		8.0A	31 56.731	0.0001	12	-8 22 53.60	0.016	12	0.25	56.730	16	33.6	53.86	16	33.6	K0	16	7746	A -8 5684

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NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	SOURCE CAT.	STAR NUMBER	DM NUMBER
1		8.0A	21 32 0.137	0.0010	12	-7 36 56.34	0.004	12	0.25	0.121	16	33.6	56.41	16	33.6	F0	16	7747	A -8 5685
2		8.0B	32 2.941	0.0002	11	-9 16 36.11	-0.017	08	0.46	2.933	09	03.8	35.30	10	01.8	K0	GC	30205	-9 5770
3		9.0A	32 3.206	0.0007	12	-9 10 22.86	0.024	12	0.25	3.194	16	33.6	23.25	16	33.6	K0	16	7749	A -9 5771
4		9.4A	32 4.807	-0.0010	09	-2 13 8.35	-0.023	09	0.22	4.822	16	33.6	7.98	16	33.6	A3	F 17	7543	A -2 5569
5		8.9A	32 4.982	0.0009	12	-8 19 8.82	0.025	12	0.25	4.967	16	33.6	9.23	16	33.6	K2	16	7750	A -8 5686
6		9.1A	32 17.364	0.0009	12	-9 3 55.84	-0.005	12	0.25	17.349	16	33.6	55.76	16	33.6	G5	16	7751	A -9 5772
7		8.9A	32 18.316	0.0001	11	-5 9 8.67	0.005	11	0.23	18.314	16	33.6	8.74	16	33.6	K0	17	7544	A -5 5586
8		8.5A	32 27.465	-0.0010	11	-3 37 28.15	-0.035	11	0.23	27.482	16	33.6	27.58	16	33.6	F5	17	7545	A -4 5488
9		9.3A	32 35.493	0.0013	09	-1 42 33.09	0.035	09	0.22	35.471	16	33.6	33.67	16	33.6	G2	F 17	7546	A -2 5572
10		5.9T	32 41.038	-0.0005	05	-4 12 25.08	0.005	04	0.23	41.061	10	02.7	25.32	09	00.8	K0	GC	30218	B* -4 5489
11		8.7A	32 43.477	-0.0013	13	-4 34 52.55	-0.003	13	0.27	43.497	16	33.6	52.49	16	33.6	G5	17	7548	A -5 5587
12		9.2A	32 49.382	0.0002	12	-7 38 36.92	-0.049	12	0.25	49.379	16	33.6	36.12	16	33.6	G0	16	7752	A -8 5689
13		9.4A	33 0.762	-0.0008	14	-1 38 51.26	-0.027	20	0.29	0.773	17	36.6	50.89	17	36.6	F5	R 21	5476	A -2 5577
14		9.1A	33 11.916	-0.0004	11	-5 28 13.70	0.035	11	0.23	11.922	16	33.6	14.26	16	33.6	F8	17	7550	A -5 5589
15		9.1A	33 13.145	0.0013	12	-6 40 29.05	0.001	12	0.25	13.124	16	33.6	29.08	16	33.6	F8	16	7754	A -7 5590
16		9.2A	33 43.695	0.0022	11	-2 24 20.96	-0.019	11	0.23	43.659	16	33.6	20.65	16	33.6	G	R 17	7551	A -2 5578
17		9.1A	33 43.846	0.0002	09	-2 23 25.12	-0.025	09	0.22	43.843	16	33.6	24.71	16	33.6	G	R 17	7552	A -2 5579
18		9.3A	33 50.150	0.0013	12	-6 13 32.30	-0.001	12	0.25	50.129	16	33.6	32.29	16	33.6	G0	16	7755	A -6 5789
19		9.0A	33 54.735	-0.0021	12	-8 57 38.44	-0.024	12	0.25	54.769	16	33.6	38.05	16	33.6	G5	16	7756	A -9 5781
20		7.7A	33 55.263	-0.0002	11	-5 16 37.60	-0.011	11	0.23	55.267	16	33.6	37.41	16	33.6	K0	17	7553	A -5 5592
21		8.1A	33 56.415	0.0005	12	-9 16 15.39	-0.023	12	0.25	56.407	16	33.6	15.01	16	33.6	K0	16	7757	A -9 5782
22		9.0A	33 56.629	0.0001	09	-4 17 41.06	0.004	09	0.22	56.628	16	33.6	41.13	16	33.6	F0	17	7554	A -4 5493
23		8.9A	34 5.317	0.0032	09	-2 50 21.92	-0.013	09	0.22	5.265	16	33.6	21.71	16	33.6	G0	17	7555	A -3 5256
24		9.2A	34 7.468	0.0010	12	-8 37 21.04	-0.002	12	0.25	7.452	16	33.6	21.01	16	33.6	K0	16	7758	A -9 5783
25		8.6A	34 9.636	0.0022	12	-6 13 44.80	-0.043	12	0.25	9.600	16	33.6	44.11	16	33.6	F0	16	7759	A -6 5790
26		8.5A	34 19.479	0.0016	13	-5 0 42.42	-0.001	15	0.28	19.453	16	33.6	42.40	16	33.6	K0	17	7556	A -5 5593
27		9.2A	34 22.562	0.0058	12	-8 53 42.17	0.011	12	0.25	22.467	16	33.6	42.35	16	33.6	G5	16	7760	A -9 5784
28		9.3A	34 26.732	0.0052	09	-1 40 58.33	0.020	09	0.22	26.647	16	33.6	58.66	16	33.6	F8	17	7557	A -2 5581
29		9.3A	34 27.075	-0.0002	09	-1 47 38.48	0.008	09	0.22	27.078	16	33.6	38.62	16	33.6	G5	17	7558	A -2 5582
30		8.6A	34 27.593	-0.0005	11	-8 2 27.35	-0.004	09	0.22	27.602	16	33.6	27.29	16	33.6	K2	16	7761	A -8 5696
31		9.3A	34 29.750	0.0017	12	-7 45 24.41	0.033	12	0.25	29.723	16	33.6	24.96	16	33.6	F8	16	7762	A -8 5697
32		9.2A	34 56.840	-0.0065	12	-7 57 54.81	-0.069	12	0.25	56.946	16	33.6	53.68	16	33.6	K0	R 16	7763	A -8 5699
33		6.3T	34 59.705	-0.0012	04	-0 36 55.87	-0.019	03	0.22	59.766	10	98.5	54.92	09	99.8	A2	GC	30265K	B* -1 4180
34		9.5A	35 0.279	-0.0027	14	-0 37 26.36	-0.034	20	0.29	0.316	17	36.6	25.91	17	36.6		21	5480	
35		9.1A	35 1.145	-0.0013	12	-7 9 32.44	-0.006	12	0.25	1.166	16	33.6	32.35	16	33.6	K0	16	7764	A -7 5598
36		8.5A	35 4.069	-0.0005	12	-6 46 13.22	-0.007	12	0.25	4.077	16	33.6	13.11	16	33.6	K0	16	7766	A -7 5600
37		4.8H	35 5.459	0.0076	01	-8 4 45.93	-0.023	01	0.04	5.180	02	13.4	45.07	02	11.7	A5	F4	1569	-8 5701
38		8.9A	35 6.071	0.0009	09	-2 34 25.30	0.016	11	0.22	6.056	16	33.6	25.57	16	33.6	G0	17	7559	A -2 5587
39		8.2A	35 9.792	-0.0011	15	-9 49 20.22	-0.019	17	0.31	9.810	18	33.6	19.91	16	33.6	A2	J 11	7666	A -10 5720
40		8.5A	35 12.952	0.0034	11	-5 27 30.11	0.016	11	0.23	12.896	16	33.6	30.36	16	33.6	G5	17	7560	A -5 5597
41		8.7A	35 14.848	0.0011	12	-8 55 18.82	0.010	12	0.25	14.829	16	33.6	18.98	16	33.6	A0	16	7767	A -9 5788
42		8.9A	35 18.274	0.0006	14	-0 59 44.32	-0.021	20	0.29	18.266	17	36.6	44.04	17	36.6	G5	21	5483	A -1 4181
43		9.2A	35 19.636	0.0014	12	-8 49 3.58	-0.011	12	0.25	19.613	16	33.6	3.40	16	33.6	K0	R 16	7769	A -9 5790
44		9.0A	35 27.909	-0.0007	14	-0 59 5.06	-0.012	20	0.29	27.919	17	36.6	4.90	17	36.6	A2	21	5484	A -1 4182
45		9.0A	35 29.927	0.0026	13	-3 47 56.08	-0.034	13	0.27	29.884	16	33.6	55.52	16	33.6	K0	17	7561	A -4 5498
46		8.7A	35 34.568	-0.0303	09	-2 31 30.38	-0.279	09	0.22	35.064	16	33.6	25.81	16	33.6	G5	17	7562	A -2 5588
47		9.2A	35 37.880	-0.0009	12	-6 43 51.06	0.005	12	0.25	37.875	16	33.6	51.15	16	33.6	A5	16	7770	A -7 5605
48		8.7A	35 41.793	0.0007	12	-9 28 46.88	-0.011	12	0.25	41.781	16	33.6	46.70	16	33.6	G0	16	7771	A -9 5792
49		9.2A	35 42.919	0.0006	14	-1 33 28.80	-0.002	20	0.29	42.911	17	36.6	28.78	17	36.6	F2	R 21	5486	A -1 4183
50		9.0A	35 43.462	0.0020	14	-0 33 48.29	-0.035	20	0.29	43.435	17	36.6	47.83	17	36.6	G0	21	5487	A -0 4244
51		9.1A	21 35 46.908	0.0026	12	-7 46 25.14	-0.057	12	0.25	46.867	16	33.6	24.21	16	33.6	K5	16	7772	A -8 5703
52		8.9A	35 56.716	0.0016	09	-2 14 28.14	-0.013	09	0.22	56.689	16	33.6	27.93	16	33.6	K2	17	7564	A -2 5590
53		9.3A	36 0.828	0.0055	12	-9 19 50.47	0.015	12	0.25	0.738	16	33.6	50.72	16	33.6	F8	16	7773	A -9 5795
54		8.3A	36 2.676	0.0000	09	-3 48 33.05	0.004	11	0.22	2.675	16	33.6	33.11	16	33.6	K2	17	7565	A -4 5503
55		7.7A	36 4.598	-0.0008	13	-4 22 34.31	-0.027	13	0.27	4.611	16	33.6	33.86	16	33.6	MA	17	7566	A -4 5504
56		9.0A	36 10.263	-0.0015	14	-0 55 1.19	-0.011	20	0.29	10.284	17	36.6	1.05	17	36.6	K5	R 21	5488	A -1 4185
57		9.0A	36 13.120	0.0007	11	-4 12 3.46	-0.006	11	0.23	13.109	16	33.6	3.36	16	33.6	K2	F 17	7567	A -4 5505
58		8.6A	36 13.947	0.0009	12	-9 19 6.29	-0.003	12	0.25	13.932	16	33.6	6.24	16	33.6	G5	16	7774	A -9 5797
59		8.9A	36 14.923	0.0013	12	-8 36 47.24	-0.011	12	0.25	14.901	16	33.6	47.06	16	33.6	A3	16	7775	A -9 5798
60		9.0A	36 20.152	0.0007	09	-2 44 17.72	0.008	11	0.22	20.140	16	33.6	17.85	16	33.6	F0	17	7568	A -3 5268
61		8.8A	36 21.459	0.0001	12	-8 30 6.24	-0.002	12	0.25	21.457	16	33.6	6.21	16	33.6	K5	16	7776	A -8 5706
62		9.2A	36 23.615	0.0042	09	-1 48 9.59	-0.007	09	0.22	23.546	16	33.6	9.48	16	33.6	G0	17	7569	A -2 5593
63		9.3A	36 35.039	0.0000	12	-7 30 26.13	-0.042	12	0.25	35.039	16	33.6	25.45	16	33.6	F5	16	7777	A -7 5608
64		9.2A	36 36.695	-0.0003	12	-9 43 12.24	-0.002	12	0.25	36.700	16	33.6	12.21	16	33.6	F5	16	7778	A -10 5722
65		8.8A	36 53.890	0.0009	12	-8 26 18.85	-0.028	12	0.25	53.876	16	33.6	18.40	16	33.6	G5	16	7779	A -8 5708
66		6.8T	36 56.857	0.0154	04	-0 16 41.20	0.019	03	0.20	56.114	09	01.8	42.25	09	95.8	F8	GC	30314K	B* -0 4245
67		8.6A	36 58.486	0.0022	12	-9 18 38.10	-0.041	12	0.25	58.451	16	33.6	37.43	16	33.6	A2	16	7780	A -9 5802
68		9.0A	37 4.605	0.0017	09	-2 5 11.59	-0.001	09	0.22	4.577	16	33.6	11.58	16	33.6	K2	17	7570	A -2 5595
69		8.8A	37 7.647	0.0030	11	-5 12 56.41	0.020	11	0.23	7.598	16	33.6	56.73	16	33.6	G0	17	7571	A -5 5602
70		8.6A	37 11.583	0.0007	09	-8 26 59.68	-0.006	09	0.22	11.571	16	33.6	59.59	16	33.6	A2	16	7781	A -8 5709
71		9.4A	37 13.765	0.0014	09	-3 3 39.32	-0.000	09	0.22	13.742	16	33.6	39.32	16	33.6	K2	17	7572	A -3 5270
72		8.8A	37 19.088	0.0011	12	-9 28 35.91	-0.007	12	0.25	19.070	16	33.6	35.80	16	33.6	K2	16	7782	A -9 5805
73		9.1A	37 19.283	0.0010	13	-5 37 4.69	0.028	13	0.27	19.266	16	33.6	5.16	16	33.6	A0	17	7573	A -6 5799
74		8.7A	37 28.686	-0.0061	09	-4 16 10.35	-0.020	09	0.22	28.985	16	33.6	10.02	16	33.6	F5	17	7574	A -4 5509
75		8.1A	37 42.091	-0.0001	12	-6 35 46.75	-0.010	12	0.25	42.092	16	33.6	46.59	16	33.6	MA	16	7784	A -7 5611
76		8.0A	37 43.592	-0.0012	12	-7 2 25.98	-0.032	12	0.25	43.612	16	33.6	25.46	16	33.6	G5	16	7785	A -7 5612
77		9.3A	37 44.757	0.0002	09	-2 0 48.02	0.001	09	0.22	44.753	16	33.6	48.04	16	33.6	F8	F 17	7575	A -2 5597
78		7.0T	37 47.212	-0.0006	13	-7 12 9.13	-0.016	12	0.71	47.247	17	95.5	8.26	15	94.9	K0	GC	30329	-7 5613
79		8.6A	37 51.796	0.0141	09	-2 14 36.08	-0.108	09	0.22	51.565	16	33.6	34.31	16	33.6	G0	17	7576	A -2 5600
80		8.5A	37 52.755	-0.0001	13	-4 40 54.96	0.005	13	0.27	52.757	16	33.6	55.03	16	33.6	K5	17	7577	A -5 5608
81		7.0B	37 56.276	0.0040	10	-2 44 39.11	0.019	10	0.55	56.063	15	97.0	40.12	15	96.8	K5	GC	30333	-3 5272
82		8.6A	38 5.294	0.0018	09	-3 46 52.16	0.023	09	0.22	5.264	16	33.6	52.53	16	33.6	G5	17	7579	A -4 5512
83		7.9A	38 17.536	0.0003	11	-9 22 11.05	0.014	11	0.23	17.531	16	33.6	11.28	16	33.6	G5	16	7787	A -9 5809
84		9.0A	38 21.414	0.0013	11	-4 57 37.35	0.015	11	0.23	21.393	16	33.6	37.59	16	33.6	A0	17	7580	A -5 5611
85		8.9A	38 25.795	0.0011	12	-7 25 39.40	0.007	12	0.25	25.776	16	33.6	39.52	16	33.6	K0	16	7788	A -7 5615
86		9.5A	38 30.051	-0.0015	09	-1 46 58.07	-0.008	09	0.22	30.075	16	33.6	57.94	16	33.6	F7	F 17	7581	A -2 5601
87		9.0A	38 32.207	0.0009	14	-1 28 40.64	-0.009	20	0.29	32.195	17	36.6	40.52	17	36.6	A0	21	5493	A -1 4191
88		8.5A	38 32.894	0.0016	11	-5 0 34.68	-0.053	11	0.23	32.868	16	33.6	33.81	16	33.6	K0	17	7582	A -5 5613
89		9.1A	38 44.628	-0.0008	15	-9 51 36.51	-0.021	15	0.30	44.638	18	33.6	36.17	16	33.6	K0	J 11	7692	A -10 5737
90		9.4A	38 48.191	-0.0001	11	-5 8 24.41	-0.009	11	0.23	48.193	16	33.6	24.26	16	33.6	F8	F 17	7584	A -5 5615
91		9.0A	38 50.699	-0.0030	14	-1 26 13.83	-0.025	20	0.29	50.740	17	36.6	13.50	17	36.6	K2	21	5495	A -1 4192
92		9.1A	38 55.966	0.0027	12	-9 38 19.17	0.002	12	0.25	55.922	16	33.6	19.20	16	33.6	F5	16	7789	A -10 5739
93		8.5A	39 3.527	0.0024	09	-2 9 36.71	-0.003	09	0.22	3.487	16	33.6	36.66	16	33.6	F8	17	7586	A -2 5603
94		9.0A	39 14.915	0.0020	09	-1 56 35.11	-0.016	09	0.22	14.881	16	33.6	34.85	16	33.6	G5	17	7587	A -2 5605
95		9.3A	39 25.475	0.0008	09	-6 8 6.21	-0.012	09	0.22	25.462	16	33.6	6.02	16	33.6	G0	16	7790	A -6 5801
96		8.7A	39 28.537	0.0016	11	-2 22 41.89	0.005	11	0.23	28.510	16	33.6	41.97	16	33.6	F8	17	7588	A -2 5609
97		8.3A	39 31.925	0.0003	12	-8 57 25.65	-0.006	12	0.25	31.920	16	33.6	25.55	16	33.6	F8	16	7791	A -9 5812
98		8.5A	39 42.348	0.0012	11	-4 34 8.25	0.008	11	0.23	42.328	16	33.6	8.37	16	33.6	A3	17	7589	A -5 5619
99		8.7A	39 43.109	-0.0027	11	-5 52 9.01	-0.034	11	0.23	43.233	16	33.6	4.46	16	33.6	K5	16	7792	A -6 5804
00		8.2Q	39 48.776	-0.0024	11	-8 41 37.60	-0.010	08	0.46	48.881	14	07.0	37.15	14	04.1	F5	GC	30380	-9 5815

- 0°
21H

145600 — EPOCH 1950 — ORIGINAL EPOCH — SOURCE — 00 21H

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	CAT.	STAR NUMBER	DM NUMBER
1		9.3A	21 39 52.195	0.0013	09	-2 14 17.65	-0.009	09	0.22	52.173	16	33.6	17.50	16	33.6	K2 F	17	7590	A -2 5610
2		8.8A	39 54.761	0.0005	11	-7 59 12.39	-0.001	09	0.22	54.752	16	33.6	12.37	16	33.6	G5	16	7794	A -8 5716
3		8.6A	39 54.888	-0.0026	11	-7 21 44.44	-0.043	11	0.23	54.931	16	33.6	43.74	16	33.6	F8	16	7795	A -7 5619
4		9.1A	39 55.861	0.0029	09	-1 53 59.92	0.033	09	0.22	55.813	16	33.6	0.46	16	33.6	F5	17	7592	A -2 5612
5		9.2A	39 56.579	-0.0001	12	-4 35 9.11	0.011	12	0.25	56.580	16	33.6	9.28	16	33.6	K2 F	17	7591	A -5 5620
6		9.1A	39 58.886	-0.0002	11	-3 33 47.72	0.012	11	0.23	58.888	16	33.6	47.91	16	33.6	K0	17	7593	A -4 5517
7		8.3A	40 2.599	0.0076	15	-9 51 43.31	0.022	17	0.31	2.474	18	33.6	43.67	16	33.6	G0 J	11	7701	A -10 5747
8		8.3A	40 4.420	0.0081	09	-2 31 32.17	-0.118	09	0.22	4.288	16	33.6	30.24	16	33.6	G5	17	7594	A -2 5613
9		9.1A	40 9.775	0.0108	12	-8 37 50.48	-0.046	12	0.25	9.398	16	33.6	49.73	16	33.6	G5	16	7796	A -9 5819
10		8.8A	40 11.026	-0.0037	11	-3 11 16.27	-0.010	11	0.23	11.086	16	33.6	16.11	16	33.6	G5	17	7595	A -3 5201
11		8.5A	40 18.346	0.0017	09	-2 39 10.32	-0.005	09	0.22	18.319	16	33.6	10.24	16	33.6	F8	17	7596K	A -3 5203
12		8.9A	40 22.335	-0.0025	11	-3 4 17.48	-0.042	11	0.23	22.377	16	33.6	16.80	16	33.6	F8	17	7597	A -3 5205
13		8.8A	40 22.963	0.0030	12	-9 33 11.23	0.012	12	0.25	22.914	16	33.6	11.42	16	33.6	F5	16	7797	A -9 5820
14		9.0A	40 26.964	0.0034	13	-2 6 15.05	0.066	13	0.27	26.908	16	33.6	16.13	16	33.6	K0	17	7598	A -2 5615
15		8.6A	40 28.375	-0.0000	09	-2 15 43.73	-0.011	09	0.22	28.375	16	33.6	43.55	16	33.6	K0	17	7599	A -2 5616
16		9.1A	40 41.381	-0.0002	11	-6 54 46.67	-0.005	11	0.23	41.384	16	33.6	46.60	16	33.6	K2	16	7798	A -7 5622
17		9.1A	40 44.398	0.0022	14	-0 38 46.61	0.007	20	0.29	44.368	17	36.6	46.71	17	36.6	A0	21	5500	A -1 4195
18		9.0A	40 44.692	0.0026	09	-1 56 57.33	0.002	09	0.22	44.649	16	33.6	57.37	16	33.6	K0	17	7600	A -2 5619
19		8.2A	40 46.095	0.0007	11	-7 38 15.75	0.014	11	0.23	46.083	16	33.6	15.99	16	33.6	K0	16	7799	A -8 5719
20		9.1A	40 48.660	-0.0046	11	-6 37 32.63	-0.054	11	0.23	48.735	16	33.6	31.75	16	33.6	F8	16	7800	A -7 5623
21		8.8A	40 55.030	-0.0027	14	-0 10 39.59	-0.023	20	0.29	55.067	17	36.6	39.29	17	36.6	A0	21	5502	A -0 4254
22		9.4A	41 1.764	0.0122	12	-9 12 18.72	-0.084	12	0.25	1.564	16	33.6	17.35	16	33.6	G5	16	7801	A -9 5824
23		9.1A	41 33.873	0.0007	11	-5 29 25.92	-0.001	11	0.23	33.862	16	33.6	25.90	16	33.6	K0	17	7601	A -5 5626
24		8.2A	41 35.728	-0.0017	11	-7 23 16.07	-0.040	11	0.23	35.756	16	33.6	15.42	16	33.6	K0	16	7803	A -7 5624
25		6.7T	41 47.060	-0.0005	12	-4 57 38.79	0.016	09	0.62	47.088	15	92.8	39.73	15	90.3	A2	GC	30432	-5 5628
26		9.0A	41 48.153	0.0019	14	-0 5 41.71	-0.007	20	0.29	48.128	17	36.6	41.62	17	36.6	A5	21	5504	A -0 4260
27		8.6A	41 54.598	-0.0013	12	-7 53 39.27	-0.010	12	0.25	54.620	16	33.6	39.11	16	33.6	F5	16	7804	A -8 5723
28		8.7A	41 55.012	0.0012	09	-5 43 52.53	0.000	09	0.22	54.993	16	33.6	52.54	16	33.6	K5	17	7803	A -6 5812
29		8.9A	42 0.089	0.0072	09	-4 15 39.82	0.002	09	0.22	-59.972	16	33.6	39.85	16	33.6	F8	17	7604	A -4 5526
30		8.8A	42 6.151	-0.0000	11	-5 27 3.03	-0.021	11	0.23	6.152	16	33.6	2.68	16	33.6	G0	17	7605	A -5 5630
31		9.4A	42 7.583	0.0006	12	-9 16 49.18	0.005	12	0.25	7.573	16	33.6	49.27	16	33.6	F8	16	7806	A -9 5826
32		8.1A	42 8.480	0.0007	12	-6 34 58.49	-0.008	12	0.25	8.469	16	33.6	58.36	16	33.6	A0	16	7808	A -7 5626
33		8.5A	42 10.980	0.0018	09	-3 33 33.76	0.004	09	0.22	10.951	16	33.6	33.83	16	33.6	F0	17	7606	A -3 5294
34		8.9A	42 12.967	-0.0013	12	-7 38 43.62	0.007	12	0.25	12.989	16	33.6	43.74	16	33.6	K0	16	7809	A -8 5725
35		7.1T	42 15.333	0.0031	05	-9 16 1.60	0.024	04	0.23	15.194	09	04.9	2.79	09	00.7	K0	GC	30446	-9 5827
36		8.6A	42 18.155	0.0009	12	-7 17 38.74	-0.005	12	0.25	18.140	16	33.6	38.67	16	33.6	A2	16	7811	A -7 5627
37		5.3T	42 20.376	0.0012	03	-9 18 47.02	-0.002	03	0.17	20.317	06	99.8	46.92	06	98.0	K0	GC	30448	B* -9 5829
38		9.0A	42 31.078	-0.0007	12	-7 7 0.79	-0.009	12	0.25	31.090	16	33.6	0.65	16	33.6	K0	16	7813	A -7 5629
39		9.5A	42 33.392	-0.0017	11	-2 27 13.37	-0.057	11	0.23	33.419	16	33.6	12.44	16	33.6	K0 F	17	7607	A -2 5625
40		8.5A	42 35.829	-0.0005	12	-7 42 50.39	0.002	12	0.25	35.838	16	33.6	50.43	16	33.6	MA	16	7814	A -8 5728
41		9.1A	42 44.151	0.0025	09	-5 43 15.67	-0.017	09	0.22	44.110	16	33.6	15.40	16	33.6	K0	17	7608	A -6 5816
42		8.2A	42 48.414	-0.0021	14	-0 26 28.07	-0.024	20	0.29	48.443	17	36.6	27.75	17	36.6	K0	21	5505	A -0 4261
43		8.0A	42 53.143	0.0009	09	-3 10 51.32	-0.016	09	0.22	53.129	16	33.6	51.06	16	33.6	F0	17	7609	A -3 5296
44		8.2A	42 58.157	-0.0010	11	-4 39 48.98	0.002	11	0.23	58.173	16	33.6	49.00	16	33.6	A2	17	7610	A -5 5632
45		9.0A	43 3.592	0.0048	13	-1 40 7.77	0.030	13	0.27	3.512	16	33.6	8.26	16	33.6	F0	17	7611	A -2 5627
46		9.0A	43 15.812	-0.0039	12	-7 19 56.10	-0.015	12	0.25	15.876	16	33.6	55.86	16	33.6	G5	16	7816	A -7 5632
47		8.4A	43 29.426	0.0015	12	-6 31 48.85	-0.001	12	0.25	29.401	16	33.6	48.84	16	33.6	K0	16	7817	A -6 5819
48		6.2T	43 36.291	0.0012	04	-9 30 26.97	0.012	03	0.19	36.235	07	01.6	27.60	07	98.3	M0	GC	30474	B* -9 5833
49		8.6Q	43 46.327	0.0015	11	-4 21 32.58	-0.028	08	0.49	46.256	17	03.2	31.16	15	98.5	F5	GC	30480	A -4 5534
50		9.6A	43 49.891	0.0008	12	-6 54 0.83	-0.013	12	0.25	49.878	16	33.6	0.63	16	33.6	K2 R	16	7819	A -7 5634
51		8.9A	21 43 54.603	0.0022	13	-2 39 9.49	-0.014	13	0.27	54.567	16	33.6	9.26	16	33.6	K2 F	17	7613	A -3 5298
52		7.2T	43 56.463	0.0015	07	-2 26 40.90	0.025	06	0.27	56.402	07	09.6	41.91	07	09.6	MB	GC	30482	-2 5631
53		8.8A	44 0.263	0.0036	13	-2 16 49.02	-0.027	13	0.27	0.204	16	33.6	48.58	16	33.6	F2	17	7615	A -2 5632
54		8.5A	44 1.757	-0.0001	12	-8 40 30.58	0.036	12	0.25	1.758	16	33.6	31.17	16	33.6	F0	16	7820	A -9 5838
55		8.4A	44 4.233	0.0015	12	-6 19 19.83	0.024	12	0.25	4.208	16	33.6	20.23	16	33.6	K	16	7822	A -6 5823
56		8.1A	44 4.309	0.0017	12	-6 20 31.22	0.031	12	0.25	4.281	16	33.6	31.74	16	33.6	K	16	7823	A -6 5822
57		8.3A	44 4.924	0.0018	12	-8 14 18.36	-0.047	12	0.25	4.895	16	33.6	17.59	16	33.6	G5	16	7821	A -8 5734
58		9.3A	44 9.877	0.0007	12	-7 30 58.38	-0.023	12	0.25	9.865	16	33.6	58.01	16	33.6	G5	16	7824	A -7 5635
59		9.0A	44 10.651	0.0036	12	-8 10 7.52	-0.022	12	0.25	10.592	16	33.6	7.17	16	33.6	G5	16	7825	A -8 5736
60		8.3A	44 12.450	-0.0016	12	-8 42 6.65	-0.019	12	0.25	12.475	16	33.6	6.34	16	33.6	K0	16	7826	A -9 5839
61		9.1A	44 31.121	-0.0003	14	-0 52 39.02	-0.004	20	0.29	31.126	17	36.6	38.97	17	36.6	K0	21	5511	A -1 4200
62		9.0A	44 31.169	-0.0004	13	-2 8 53.64	-0.006	13	0.27	31.176	16	33.6	53.54	16	33.6	K0	17	7617	A -2 5635
63		9.0A	44 32.132	0.0014	13	-5 24 37.35	0.005	13	0.27	32.109	16	33.6	37.42	16	33.6	A3	17	7616	A -5 5637
64		7.6T	44 32.384	0.0076	12	-2 31 24.79	-0.076	13	0.71	31.949	15	92.9	20.58	15	94.7	F5	GC	30498	-2 5636
65		9.0A	44 40.539	0.0007	14	-0 45 30.06	0.019	20	0.29	40.530	17	36.6	30.32	17	36.6	K0	21	5512	A -1 4202
66		8.8A	44 41.107	0.0010	12	-7 57 56.09	0.028	12	0.25	41.091	16	33.6	56.55	16	33.6	K0	16	7828	A -8 5737
67		8.9A	44 47.136	0.0024	18	-9 39 18.09	-0.017	20	0.35	47.098	18	33.6	17.81	16	33.6	K0 J	11	7726	A -10 5761
68		6.9T	44 47.879	0.0025	09	-4 50 26.33	-0.003	09	0.50	47.746	12	97.2	26.16	12	98.3	A2	GC	30508	-5 5640
69		9.1A	44 53.220	0.0071	12	-8 17 27.50	0.002	12	0.25	53.105	16	33.6	27.54	16	33.6	G5	16	7829	A -8 5738
70		8.3A	44 58.227	-0.0001	11	-7 53 54.50	0.006	11	0.23	58.228	16	33.6	54.61	16	33.6	G5	16	7830	A -8 5739
71		6.2T	45 0.290	0.0031	10	-6 8 58.86	0.001	11	0.52	0.139	09	00.4	58.93	10	00.2	A3	GC	30513	-6 5827
72		8.8A	45 5.662	0.0005	09	-1 56 48.68	-0.004	09	0.22	5.653	16	33.6	48.62	16	33.6	F2	17	7620K	A -2 5637
73		9.3A	45 17.833	0.0015	12	-6 2 0.72	-0.013	12	0.25	17.809	16	33.6	0.51	16	33.6	K0 R	16	7832	A -6 5829
74		8.9A	45 22.126	0.0007	12	-9 9 58.72	0.006	12	0.25	22.115	16	33.6	58.82	16	33.6	K0	16	7833	A -9 5843
75		7.4A	45 22.500	0.0009	12	-6 41 42.80	-0.046	12	0.25	22.486	16	33.6	42.05	16	33.6	A2	16	7834	A -7 5637
76		9.0A	45 31.537	0.0008	11	-4 12 35.77	0.009	13	0.25	31.524	16	33.6	35.92	16	33.6	A2	17	7621	A -4 5539
77		8.7A	45 42.236	0.0005	12	-6 55 58.65	-0.024	12	0.25	42.227	16	33.6	58.27	16	33.6	K2	16	7835	A -7 5639
78		9.0A	45 49.068	0.0014	14	-1 11 49.03	-0.022	20	0.29	49.050	17	36.6	48.74	17	36.6	K2	21	5513	A -1 4205
79		8.5Q	45 49.160	0.0022	11	-0 1 54.26	-0.040	09	0.50	49.052	17	01.7	52.28	17	00.2	G5	GC	30525	-0 4268
80		7.9A	45 56.763	0.0006	12	-6 28 55.22	-0.006	12	0.25	56.753	16	33.6	55.13	16	33.6	A3	16	7836	A* -6 5834
81		9.6A	45 57.505	-0.0007	09	-5 34 42.50	-0.035	09	0.22	57.517	16	33.6	41.94	16	33.6	G5 R	17	7622	A -6 5835
82		8.6A	46 1.749	-0.0025	12	-7 36 10.20	-0.040	12	0.25	1.790	16	33.6	9.55	16	33.6	F0	16	7838	A -8 5743
83		8.7A	46 15.421	0.0059	13	-3 49 30.56	0.010	13	0.27	15.324	16	33.6	30.72	16	33.6	F8	17	7623	A -4 5540
84		8.6A	46 23.345	0.0007	14	-0 30 46.27	0.003	20	0.29	23.336	17	36.6	46.32	17	36.6	K5	21	5515	A -0 4269
85		6.8T	46 24.767	-0.0032	05	-5 38 11.29	-0.040	04	0.24	24.920	10	02.9	9.26	10	98.9	K0	GC	30538	-6 5837
86		9.0A	46 35.154	0.0016	09	-2 16 23.64	-0.010	09	0.22	35.128	16	33.6	23.48	16	33.6	F0 F	17	7626	A -2 5642
87		8.9A	46 44.107	0.0048	12	-6 27 53.55	0.004	12	0.25	44.028	16	33.6	53.62	16	33.6	G5	16	7840	A -6 5840
88		9.5A	46 51.720	-0.0019	09	-1 31 29.92	-0.015	09	0.22	51.751	16	33.6	29.68	16	33.6	K2 R	17	7627	A -1 4206
89		8.4A	46 54.245	0.0007	12	-8 32 45.17	-0.001	12	0.25	54.234	16	33.6	45.15	16	33.6	A3	16	7841	A -8 5746
90		9.4A	46 56.239	0.0028	11	-7 16 17.08	-0.009	11	0.23	56.193	16	33.6	16.93	16	33.6	K0 R	16	7842	A -7 5645
91		8.8A	47 16.788	-0.0000	09	-2 12 13.99	-0.001	09	0.22	16.788	16	33.6	13.98	16	33.6	F8	17	7628	A -2 5643
92		9.1A	47 24.208	-0.0002	09	-6 32 13.22	-0.011	09	0.22	24.211	16	33.6	13.05	16	33.6	K5	16	7843	A -6 5842
93		9.0A	47 30.817	0.0008	11	-3 34 8.40	0.004	11	0.23	30.804	16	33.6	8.46	16	33.6	K2	17	7629	A -4 5549
94		8.7A	47 31.891	-0.0027	13	-4 31 53.60	0.031	13	0.27	31.934	16	33.6	54.10	16	33.6	K0	17	7630	A -4 5548
95		9.2A	47 38.124	0.0018	12	-8 30 8.53	0.012	12	0.25	38.094	16	33.6	8.73	16	33.6	K0	16	7844	A -8 5748
96		7.7T	47 40.080	-0.0081	09	-0 50 23.39	-0.032	09	0.49	40.519	14	95.6	21.68	14	96.3	F8	GC	30568	-1 4209
97		8.8A	47 49.645	0.0051	11	-4 10 15.78	0.069	11	0.23	49.562	16	33.6	16.90	16	33.6	F8	17	7631	A -4 5551
98		6.7T	47 55.663	0.0037	10	-9 12 58.50	-0.029	09	0.44	55.492	09	03.4	57.11	09	01.8	K0	GC	30573	-9 5854
99		8.6A	47 59.019	-0.0011	11	-8 1 15.33	-0.056	11	0.23	59.037	16	33.6	14.42	16	33.6	G0	16	7846K	A -8 5749
00		8.7A	48 3.173	0.0027	09	-4 53 0.84	-0.012	09	0.22	3.129	16	33.6	0.63	16	33.6	G5	17	7632	A -5 5648

145700

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	SOURCE CAT.	STAR NUMBER	DM NUMBER
																			- 0° 21H
1		9.3A	21 48 5.167	0.0033	12	-8 25 44.75	0.000	12	0.25	5.113	16	33.6	44.76	16	33.6	G5	16	7847	A -8 5751
2		9.3A	48 18.650	-0.0014	12	-9 41 32.18	-0.046	12	0.25	18.673	16	33.6	31.43	16	33.6	G5	16	7848	A -10 5772
3		7.7A	48 24.293	0.0048	12	-8 8 32.58	0.012	12	0.25	24.214	16	33.6	32.78	16	33.6	F8	16	7849	A -8 5753
4		9.0A	48 43.257	0.0072	11	-6 53 22.59	-0.020	11	0.23	43.139	16	33.6	22.26	16	33.6	G5	16	7850	A -7 5650
5		9.0A	48 44.327	-0.0001	09	-1 49 24.07	-0.012	09	0.22	44.326	16	33.6	23.87	16	33.6	F8	17	7633	A -2 5645
6		8.0A	48 51.754	-0.0002	09	-2 28 38.64	-0.026	09	0.22	51.756	16	33.6	38.22	16	33.6	K0	17	7634	A -2 5646
7		8.8A	48 55.087	0.0002	11	-7 38 20.11	0.000	11	0.23	55.094	16	33.6	20.12	16	33.6	G5	16	7851	A -8 5755
8		9.3A	48 56.146	0.0002	13	-4 4 17.40	-0.011	13	0.27	56.142	16	33.6	17.22	16	33.6	G1	F 17	7835	A -4 5558
9		9.0A	49 19.437	-0.0010	12	-6 49 38.54	-0.016	12	0.25	19.474	16	33.6	38.28	16	33.6	F2	16	7852	A -7 5653
10		9.1A	49 21.094	0.0014	09	-2 23 6.44	0.019	09	0.22	21.071	16	33.6	6.75	16	33.6	F5	17	7636K	A -2 5648
11		9.4A	49 28.361	-0.0002	12	-7 12 24.25	-0.008	12	0.25	28.384	16	33.6	24.13	16	33.6	K5	16	7853	A -7 5656
12		8.7A	49 29.998	0.0010	14	-1 31 13.85	-0.035	20	0.29	29.985	17	36.6	13.38	17	36.6	F8	21	5523	A -1 4212
13		8.8A	49 30.594	-0.0002	12	-7 34 59.25	-0.040	12	0.25	30.598	16	33.6	58.60	16	33.6	K2	16	7854	A -8 5756
14		9.4A	49 38.529	0.0023	09	-1 56 58.77	0.015	09	0.22	38.491	16	33.6	59.02	16	33.6	G8	F 17	7638	A -2 5649
15		8.8A	49 41.589	-0.0001	11	-8 32 12.30	-0.017	11	0.23	41.590	16	33.6	12.02	16	33.6	K5	16	7855	A -8 5757
16		8.5T	49 45.314	0.0007	09	-3 24 36.64	-0.019	09	0.51	45.274	14	94.7	35.60	14	95.2	A0	GC	30811	-3 5316
17		9.0A	49 49.620	0.0046	11	-2 41 33.79	0.040	11	0.23	49.545	16	33.6	34.45	16	33.6	G5	F 17	7640	A -3 5317
18		7.8A	49 49.897	-0.0000	12	-9 39 10.56	-0.028	12	0.25	49.897	16	33.6	10.10	16	33.6	F5	16	7856	A -10 5779
19		8.5A	49 59.393	0.0000	09	-5 36 1.97	-0.029	09	0.22	59.393	16	33.6	1.50	16	33.6	G0	17	7641	A -6 5650
20		8.8A	50 3.810	0.0026	13	-3 57 2.08	0.021	13	0.27	3.767	16	33.6	2.43	16	33.6	F8	17	7642	A -4 5563
21		6.7T	50 8.541	0.0013	04	-4 13 40.88	0.018	04	0.23	8.480	10	03.8	41.78	10	99.7	G5	GC	30620	B* -4 5564
22		9.2A	50 13.545	0.0025	12	-6 34 53.47	0.000	12	0.25	13.505	16	33.6	53.47	16	33.6	F8	16	7858	A -7 5659
23		9.0A	50 15.148	0.0003	09	-4 46 55.53	-0.006	09	0.22	15.143	16	33.6	55.42	16	33.6	K2	17	7644	A -5 5653
24		9.3A	50 18.072	0.0015	12	-6 44 2.45	-0.004	12	0.25	18.048	16	33.6	2.39	16	33.6	G5	16	7859	A -7 5660
25		9.2A	50 19.953	-0.0002	09	-1 49 14.22	-0.007	09	0.22	19.955	16	33.6	14.11	16	33.6	F9	F 17	7645	A -2 5650
26		8.9A	50 22.490	-0.0023	14	-1 19 21.99	-0.032	20	0.29	22.521	17	36.6	21.57	17	36.6	K5	R 21	5525	A -1 4214
27		9.3A	50 23.355	0.0021	12	-7 14 35.04	-0.049	12	0.25	23.321	16	33.6	34.24	16	33.6	G0	16	7860	A -7 5662
28		9.2A	50 26.389	-0.0006	14	-1 23 38.30	-0.006	20	0.29	26.397	17	36.6	38.22	17	36.6	K2	R 21	5526	A -1 4215
29		9.1A	50 58.757	0.0007	12	-8 38 4.74	0.028	12	0.25	58.745	16	33.6	5.20	16	33.6	G5	16	7861	A -9 5866
30		8.7A	51 19.463	0.0001	12	-6 45 5.00	-0.002	12	0.25	19.461	16	33.6	4.98	16	33.6	K2	16	7862	A -7 5664
31		5.9T	51 33.706	0.0036	04	-4 30 41.26	-0.089	03	0.19	33.512	06	96.4	36.35	06	95.0	K0	GC	30655	B* -4 5568
32		7.3A	51 34.499	0.0054	13	-5 35 26.03	0.077	12	0.26	34.410	16	33.6	27.30	16	33.6	F5	17	7647	A -6 5859
33		9.3A	51 38.578	0.0016	12	-8 45 57.88	-0.007	12	0.25	38.552	16	33.6	57.77	16	33.6	A2	16	7864	A -9 5869
34		8.5A	51 53.220	-0.0007	12	-7 44 49.76	-0.033	12	0.25	53.232	16	33.6	49.23	16	33.6	K5	16	7865	A -8 5764
35		6.2T	51 59.930	0.0010	04	-3 32 15.60	-0.024	03	0.19	59.887	09	07.4	14.39	09	99.8	F8	GC	30664K	-3 5329
36		7.9A	52 0.119	0.0021	09	-3 14 2.48	0.011	09	0.22	0.085	16	33.6	2.66	16	33.6	A0	17	7649	A -3 5331
37		8.4A	52 8.498	0.0001	13	-5 30 11.13	-0.002	12	0.26	8.497	16	33.6	11.11	16	33.6	K0	17	7650	A -5 5663
38		8.8A	52 9.705	0.0015	13	-1 58 3.60	0.008	13	0.27	9.680	16	33.6	3.73	16	33.6	A0	17	7651	A -2 5657
39		9.5A	52 20.901	0.0005	12	-6 33 49.56	0.009	12	0.25	20.882	16	33.6	49.71	16	33.6	G5	16	7867	A -7 5666
40		8.5A	52 22.439	0.0005	09	-4 27 25.06	-0.003	09	0.22	22.431	16	33.6	25.01	16	33.6	K5	17	7652	A -4 5570
41		9.2A	52 24.952	0.0008	13	-2 27 33.48	-0.017	13	0.27	24.939	16	33.6	33.20	16	33.6	K2	F 17	7653	A -2 5659
42		9.0A	52 44.793	0.0015	09	-3 17 1.32	0.008	09	0.22	44.768	16	33.6	1.45	16	33.6	K0	17	7654	A -3 5333
43		9.0A	52 46.098	0.0002	14	-0 43 22.81	0.016	20	0.29	46.096	17	36.6	23.03	17	36.6	K0	21	5529	A -1 4218
44		8.8A	52 54.824	0.0037	13	-4 10 19.36	-0.109	13	0.27	54.762	16	33.6	17.57	16	33.6	G0	17	7655	A -4 5574
45		8.7A	52 57.775	0.0020	09	-3 16 24.53	0.005	09	0.22	57.742	16	33.6	24.61	16	33.6	F2	17	7656	A -3 5335
46		9.0A	52 59.593	-0.0003	11	-4 27 40.16	-0.019	11	0.23	59.598	16	33.6	39.84	16	33.6	K0	17	7657	A -4 5575
47		8.8A	53 7.302	0.0016	13	-3 0 49.16	0.021	13	0.27	7.276	16	33.6	49.51	16	33.6	K0	17	7658	A -3 5337
48		8.2A	53 7.753	0.0021	09	-2 52 21.06	-0.023	09	0.22	7.719	16	33.6	20.69	16	33.6	K5	17	7659	A -3 5338
49		9.0A	53 9.198	0.0004	11	-7 45 8.83	-0.009	11	0.23	9.192	16	33.6	8.68	16	33.6	G5	16	7868	A -8 5767
50		9.4A	53 16.072	0.0013	12	-6 9 2.06	-0.010	12	0.25	16.050	16	33.6	1.91	16	33.6	F8	16	7869	A -6 5865
51		9.2A	21 53 27.572	-0.0003	09	-4 17 9.95	-0.007	09	0.22	27.576	16	33.6	9.83	16	33.6	F8	17	7660	A -4 5578
52		7.7A	53 28.034	-0.0001	12	-6 4 1.05	0.002	12	0.25	28.035	16	33.6	1.09	16	33.6	K0	16	7870	A -6 5867
53		9.5A	53 33.488	-0.0004	12	-5 55 28.29	-0.045	12	0.25	33.495	16	33.6	27.56	16	33.6	A0	16	7871	A -6 5869
54		7.5A	53 35.684	0.0013	12	-7 13 5.20	-0.025	12	0.25	35.662	16	33.6	4.80	16	33.6	B9	16	7872	A* -7 5869
55		8.9A	53 37.814	-0.0000	15	-9 44 37.13	0.019	17	0.31	37.814	18	33.6	37.44	16	33.6	G5	J 11	7772	A -10 5794
56		9.3A	53 39.072	0.0012	14	-1 13 40.88	-0.001	20	0.29	39.055	17	36.6	40.87	17	36.6	G0	R 21	5532	A -1 4219
57		8.0A	53 43.912	0.0009	09	-4 59 39.70	0.002	09	0.22	43.897	16	33.6	39.72	16	33.6	K5	17	7661	A -5 5666
58		8.4A	53 45.138	0.0009	15	-9 49 26.04	0.006	17	0.31	45.124	18	33.6	26.14	16	33.6	M3	J 11	7773	A -10 5795
59		9.1A	53 45.221	0.0005	11	-4 49 14.90	0.006	11	0.23	45.212	16	33.6	14.99	16	33.6	K2	17	7662	A -5 5667
60		8.8A	53 46.249	0.0008	11	-5 41 22.50	0.023	11	0.23	46.235	16	33.6	22.88	16	33.6	G0	17	7663	A -6 5870
61		9.0A	53 49.733	0.0020	11	-7 48 16.58	0.000	11	0.23	49.700	16	33.6	16.59	16	33.6	F8	16	7874	A -8 5770
62		8.5A	53 51.369	-0.0003	14	-0 55 4.43	0.028	20	0.29	51.373	17	36.6	4.81	17	36.6	G5	21	5533	A -1 4220
63		9.8A	54 9.031	0.0005	12	-6 1 29.06	-0.006	12	0.25	9.022	16	33.6	28.97	16	33.6	F8	R 16	7875	A -6 5873
64		9.3A	54 25.317	0.0053	09	-2 51 58.12	-0.035	09	0.22	25.231	16	33.6	57.55	16	33.6	K0	F 17	7664	A -3 5341
65		8.4A	54 34.698	0.0023	14	-1 1 18.08	-0.036	20	0.29	34.667	17	36.6	17.60	17	36.6	F5	21	5535	A -1 4221
66		8.7A	54 41.508	0.0032	09	-4 7 51.83	-0.022	09	0.22	41.455	16	33.6	51.46	16	33.6	G0	17	7665	A -4 5581
67		9.0A	48.031	-0.0045	09	-5 31 14.84	-0.179	09	0.22	48.104	16	33.6	11.92	16	33.6	G0	17	7666	A -5 5670
68		6.8T	55 0.275	-0.0002	10	-8 48 12.18	0.002	09	0.45	0.286	09	03.1	12.28	09	01.9	B9	GC	30726	-9 5876
69		9.5A	55 1.394	0.0001	12	-3 4 37.19	0.020	12	0.25	1.392	16	33.6	37.52	16	33.6	G8	F 17	7667	A -3 5343
70		8.8A	55 2.608	0.0015	11	-8 49 14.06	0.024	11	0.23	2.583	16	33.6	14.45	16	33.6	B9	16	7878	A -9 5877
71		8.4A	55 7.158	-0.0047	14	-0 52 1.63	-0.070	20	0.29	7.221	17	36.6	0.69	17	36.6	G0	21	5537K	A -1 4222
72		9.0A	55 11.411	0.0001	11	-3 34 24.52	0.004	11	0.23	11.409	16	33.6	24.59	16	33.6	K5	17	7668	A -4 5583
73		8.7A	55 23.488	0.0108	09	-3 58 38.78	0.010	09	0.22	23.309	16	33.6	38.94	16	33.6	G5	17	7670	A -4 5584
74		8.5A	55 23.747	0.0088	09	-5 26 29.72	-0.108	09	0.22	23.603	16	33.6	27.94	16	33.6	G5	17	7669	A -5 5672
75		9.0A	55 27.547	0.0017	09	-1 47 56.74	-0.004	09	0.22	27.519	16	33.6	56.68	16	33.6	A1	F 17	7671	A -2 5667
76		8.9A	55 29.841	-0.0003	14	-1 5 43.18	-0.012	20	0.29	29.845	17	36.6	43.02	17	36.6	G0	21	5539	A -1 4223
77		7.8B	55 31.600	0.0010	07	-3 43 43.22	0.029	05	0.39	31.743	12	93.7	45.07	12	86.0	F0	GC	30739K	B* -4 5585
78		6.2T	55 36.060	0.0025	04	-5 39 45.54	-0.097	03	0.20	35.936	07	99.7	40.46	07	97.4	F2	GC	30742	-6 5878
79		9.0A	55 42.313	0.0008	12	-7 48 23.87	0.004	11	0.24	42.300	16	33.6	23.94	16	33.6	K0	16	7881	A -8 5774
80		8.4A	55 43.299	-0.0012	11	-2 59 32.97	-0.020	11	0.23	43.319	16	33.6	32.64	16	33.6	F8	17	7674	A -3 5351
81		9.1A	55 47.124	0.0005	11	-6 23 39.22	-0.052	11	0.23	47.115	16	33.6	38.38	16	33.6	G0	16	7882	A -6 5879
82		9.4A	55 55.386	0.0010	12	-8 33 28.73	0.015	12	0.25	55.370	16	33.6	28.98	16	33.6	A0	16	7883	A -9 5878
83		8.9A	56 1.450	0.0007	12	-8 42 52.30	0.012	12	0.25	1.439	16	33.6	52.49	16	33.6	K0	16	7884	A -9 5879
84		6.4H	56 18.537	-0.0003	02	-4 36 33.38	-0.253	02	0.06	18.543	03	27.4	26.90	04	24.3	K0	F4	1580	-5 5674
85		9.0A	56 22.039	-0.0002	09	-5 20 59.97	-0.114	09	0.22	22.042	16	33.6	58.09	16	33.6	K0	17	7677	A -5 5675
86		8.6A	56 23.771	0.0015	14	-0 8 38.57	0.010	20	0.29	23.751	17	36.6	38.71	17	36.6	A3	21	5541	A -0 4290
87		9.0A	56 28.315	0.0028	14	-0 1 45.65	0.004	20	0.29	28.278	17	36.6	45.71	17	36.6	K0	R 21	5542	A -0 4291
88		8.6A	56 34.780	0.0026	12	-9 12 33.08	-0.031	12	0.25	34.737	16	33.6	32.57	16	33.6	M0	16	7885	A -9 5881
89		8.6A	56 40.955	0.0007	12	-5 42 58.84	0.010	12	0.25	40.943	16	33.6	59.01	16	33.6	A2	16	7886	A -6 5881
90		8.7A	56 47.554	0.0002	14	-1 37 11.97	0.037	20	0.29	47.552	17	36.6	12.47	17	36.6	A2	21	5543	A -2 5673
91		9.2A	56 51.677	-0.0031	14	-1 7 59.47	0.009	20	0.29	51.719	17	36.6	59.59	17	36.6	G5	R 21	5544	A -1 4226
92		9.0A	56 51.910	0.0029	11	-6 1 10.81	-0.001	11	0.23	51.863	16	33.6	10.80	16	33.6	F5	R 16	7887	A -6 5883
93		8.7A	56 53.100	0.0017	09	-4 50 51.67	0.006	09	0.22	53.071	16	33.6	51.76	16	33.6	F8	17	7679	A -5 5677
94		8.0B	57 1.450	-0.0001	10	-6 30 49.15	0.010	08	0.45	1.457	12	01.5	49.66	12	00.0	K0	GC	30769	-6 5884
95		9.1A	57 9.358	-0.0022	14	-1 18 15.83	-0.013	20	0.29	9.387	17	36.6	15.66	17	36.6	F8	R 21	5545	A -1 4227
96		8.7A	57 11.023	0.0005	09	-3 14 1.59	-0.004	09	0.22	11.016	16	33.6	1.53	16	33.6	F2	17	7680K	A -3 5353
97		9.1A	57 27.715	0.0081	11	-6 5 33.63	-0.016	11	0.23	27.582	16	33.6	33.38	16	33.6	G5	16	7889	A -6 5888
98		9.1A	57 42.179	-0.0014	12	-7 37 51.68	-0.008	12	0.25	42.202	16	33.6	51.56	16	33.6	K5	16	7890	A -8 5782
99		8.9A	57 54.718	0.0011	12	-7 46 28.41	-0.022	12	0.25	54.699	16	33.6	28.06	16	33.6	A5	16	7891	A -8 5783
00		8.7A	57 55.964	0.0003	12	-8 45 56.99	-0.010	12	0.25	55.960	16	33.6	58.82	16	33.6	G5	16	7892	A -9 5884

145800 — EPOCH 1950 — ORIGINAL EPOCH — SOURCE — −0° 21H

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	CAT.	STAR NUMBER	DM NUMBER
1		9.2A	21 57 57.639	-0.0008	14	-0 49 9.84	0.010	20	0.29	57.650	17	36.6	9.98	17	36.6	K0 R	21	5548	A -1 4230
2		8.9A	57 59.065	0.0002	09	-5 0 32.62	-0.020	09	0.22	59.062	16	33.6	32.28	16	33.6	A5	17	7681	A -5 5678
3		9.2A	58 0.283	-0.0017	11	-5 54 30.90	-0.042	11	0.23	0.311	16	33.6	30.22	16	33.6	F8	16	7893	A -6 5890
4		9.1A	58 0.868	0.0027	09	-2 58 52.70	-0.002	09	0.22	0.825	16	33.6	52.67	16	33.6	K0 F	17	7682	A -3 5357
5		8.6A	58 2.290	0.0009	11	-6 40 23.70	0.004	11	0.23	2.275	16	33.6	23.77	16	33.6	A0	16	7894	A -7 5683
6		9.1A	58 11.627	0.0022	09	-4 43 38.91	-0.014	09	0.22	11.590	16	33.6	38.67	16	33.6	G5	17	7683	A -5 5680
7		9.0A	58 11.743	0.0038	14	-0 56 32.48	-0.030	20	0.29	11.692	17	36.6	32.08	17	36.6	F8 R	21	5550	A -1 4231
8		9.1A	58 22.472	-0.0047	09	-4 44 36.11	-0.054	09	0.22	22.549	16	33.6	35.22	16	33.6	G5	17	7684	A -5 5681
9		9.2A	58 34.911	0.0005	14	-1 18 19.67	-0.044	20	0.29	34.904	17	36.6	19.08	17	36.6	F8 R	21	5552	A -1 4232
10		9.7A	58 35.678	-0.0029	09	-2 48 9.97	-0.018	09	0.22	35.725	16	33.6	9.68	16	33.6	G0 F	17	7686	A -3 5359
11		9.0A	58 37.062	0.0017	09	-5 21 34.73	-0.009	09	0.22	37.034	16	33.6	34.58	16	33.6	G5	17	7685	A -5 5682
12		8.8A	58 47.624	0.0069	09	-3 27 13.96	0.015	09	0.22	47.510	16	33.6	14.21	16	33.6	G0	17	7687	A -3 5360
13		8.2A	58 57.994	0.0005	11	-6 27 16.04	0.017	11	0.23	57.985	16	33.6	16.33	16	33.6	K0	16	7896	A -6 5893
14		9.1A	58 57.994	0.0035	12	-9 7 14.69	-0.098	12	0.25	57.937	16	33.6	13.09	16	33.6	G5	16	7895	A -9 5893
15		8.8A	58 58.081	0.0002	09	-2 42 29.41	-0.011	09	0.22	58.078	16	33.6	29.23	16	33.6	K0 F	17	7688	A -3 5361
16		9.0A	59 1.028	0.0006	09	-5 6 1.23	0.015	09	0.22	1.019	16	33.6	1.47	16	33.6	K5	17	7689	A -5 5686
17		7.7Q	59 11.246	0.0106	09	-1 22 10.80	-0.014	07	0.43	10.708	14	99.4	10.08	14	98.1	F8	GC	30813	-1 4233
18		8.6A	59 13.022	0.0051	11	-3 50 22.59	0.020	11	0.23	12.939	16	33.6	22.91	16	33.6	F8	17	7690	A -4 5597
19		8.8A	59 21.130	-0.0021	14	-0 33 54.26	0.002	20	0.29	21.158	17	36.6	54.29	17	36.6	K0	21	5555	A -1 4234
20		9.0A	59 23.553	0.0041	11	-6 0 0.88	-0.013	11	0.23	23.485	16	33.6	0.67	16	33.6	G	16	7897	A -6 5896
21		9.2A	59 27.047	0.0015	14	-1 17 58.77	-0.068	20	0.29	27.027	17	36.6	57.86	17	36.6	F5 R	21	5556	A -1 4235
22		9.0A	59 27.815	-0.0003	09	-5 58 41.05	-0.014	09	0.22	27.820	16	33.6	40.83	16	33.6	F8	16	7899	A -6 5897
23		8.9A	59 28.241	0.0001	12	-9 31 25.37	-0.015	12	0.25	28.239	16	33.6	25.13	16	33.6	K0	16	7898	A -9 5896
24		8.6A	59 44.955	0.0011	12	-7 53 54.50	-0.029	11	0.24	44.936	16	33.6	54.02	16	33.6	K0	16	7900	A -8 5785
25		7.6Q	59 58.679	0.0018	08	-1 9 37.09	0.021	08	0.43	58.588	14	00.2	38.16	14	99.3	K2	GC	30827	-1 4236
26		8.9A	59 59.968	0.0013	09	-3 34 38.42	-0.032	09	0.22	59.946	16	33.6	37.89	16	33.6	F0	17	7691	A -4 5602
27		9.0A	22 0 3.463	-0.0009	12	-9 7 38.55	-0.008	12	0.25	3.477	16	33.6	38.42	16	33.6	K0	16	7901	A -9 5899
28		8.6A	0 12.041	-0.0006	12	-7 40 53.47	-0.023	12	0.25	12.052	16	33.6	53.09	16	33.6	K2	16	7902	A -8 5787
29		9.1A	0 12.489	0.0008	14	-0 59 29.41	-0.003	20	0.29	12.478	17	36.6	29.37	17	36.6	G0 R	21	5558	A -1 4237
30		8.3A	0 13.358	-0.0048	09	-2 43 9.83	-0.111	09	0.22	13.437	16	33.6	8.01	16	33.6	G0	17	7692	A -3 5363
31		9.2A	0 15.301	-0.0002	09	-5 23 16.60	-0.005	09	0.22	15.304	16	33.6	16.51	16	33.6	F5 R	17	7693	A -5 5690
32		8.9A	0 16.634	-0.0009	13	-3 42 49.84	0.007	13	0.27	16.648	16	33.6	49.95	16	33.6	F2	17	7694	A -4 5603
33		7.6A	0 22.095	0.0010	12	-8 44 31.34	0.010	12	0.25	22.078	16	33.6	31.50	16	33.6	K0	16	7904	A -9 5901
34		9.0A	0 22.383	0.0023	14	-0 10 19.79	-0.011	20	0.29	22.352	17	36.6	19.64	17	36.6	M8 R	21	5559	A -0 4298
35		9.2A	0 28.942	0.0004	12	-9 21 9.51	0.014	12	0.25	28.936	16	33.6	9.74	16	33.6	G5	16	7905	A -9 5903
36		5.6T	0 38.685	0.0028	02	-6 45 53.48	0.009	02	0.15	38.535	06	95.6	53.98	06	96.0	G5	GC	30842	B* -7 5688
37		4.7T	0 43.658	0.0011	02	-2 23 51.13	-0.010	02	0.10	43.608	05	05.4	50.66	05	03.1	B5P	GC	30844	B* -2 5681
38		7.8A	0 52.770	0.0040	12	-5 56 7.30	0.023	12	0.25	52.704	16	33.6	7.68	16	33.6	K0	16	7907	A -6 5901
39		7.9A	0 53.885	0.0047	11	-6 7 58.33	-0.005	11	0.23	53.808	16	33.6	58.26	16	33.6	F8	16	7909	A -6 5902
40		8.4A	0 54.019	0.0004	12	-7 42 6.52	-0.005	12	0.25	54.013	16	33.6	6.45	16	33.6	MA	16	7908	A -8 5789
41		8.5A	0 56.752	-0.0023	09	-3 18 34.24	-0.058	09	0.22	56.789	16	33.6	33.29	16	33.6	A3	17	7696	A -3 5365
42		8.6A	1 0.801	0.0010	11	-8 1 36.76	-0.001	11	0.23	0.784	16	33.6	36.75	16	33.6	MA	16	7910	A -8 5791
43		8.8A	1 14.370	0.0013	09	-3 2 45.42	0.006	09	0.22	14.350	16	33.6	45.52	16	33.6	F8	17	7697K	A -3 5367
44		8.7A	1 17.694	0.0008	09	-5 14 37.62	-0.005	09	0.22	17.681	16	33.6	37.53	16	33.6	F5	17	7698	A -5 5692
45		9.3A	1 24.626	-0.0005	12	-9 40 7.72	0.002	12	0.25	24.634	16	33.6	7.75	16	33.6	K0	16	7911	A -10 5822
46		9.0A	1 33.753	0.0020	09	-2 10 21.91	-0.037	09	0.22	33.719	16	33.6	21.31	16	33.6	K0 F	17	7699	A -2 5686
47		8.9A	1 45.200	0.0026	09	-2 20 28.23	-0.010	09	0.22	45.157	16	33.6	28.07	16	33.6	F0	17	7700	A -2 5687
48		9.4A	1 47.295	0.0004	12	-6 17 59.85	-0.009	12	0.25	47.289	16	33.6	59.71	16	33.6	F2	16	7912	A -6 5903
49		7.2T	1 52.590	-0.0002	12	-8 57 33.92	-0.050	10	0.51	52.600	09	04.7	31.62	09	03.8	F0	GC	30864	-9 5908
50		8.0Q	1 58.350	0.0001	05	-5 4 59.30	0.001	05	0.28	58.346	07	01.0	59.33	09	99.4	F0	GC	30867	-5 5697
51		9.3A	22 2 1.562	-0.0019	14	-1 25 32.46	-0.001	20	0.29	1.587	17	36.6	32.45	17	36.6	K2 R	21	5560	A* -1 4241
52		9.2A	2 2.873	0.0002	12	-6 18 31.73	0.000	12	0.25	2.871	16	33.6	31.74	16	33.6	F2	16	7914	A -6 5904
53		5.2T	2 13.132	-0.0012	03	-1 8 56.52	-0.047	03	0.14	13.179	06	09.7	54.57	06	08.3	A3	GC	30872	B* -1 4242
54		8.2A	2 25.899	0.0009	11	-6 32 45.93	-0.008	11	0.23	25.884	16	33.6	45.81	16	33.6	A0	16	7915	A -7 5695
55		8.8A	2 27.234	0.0001	09	-3 7 12.58	-0.008	09	0.22	27.232	16	33.6	12.45	16	33.6	K0	17	7702	A -3 5371
56		8.3A	2 29.499	-0.0006	09	-3 27 13.10	-0.014	09	0.22	29.509	16	33.6	12.87	16	33.6	F8	17	7703	A -3 5372
57		8.9A	2 39.338	0.0040	14	-1 24 42.81	0.011	20	0.29	39.285	17	36.6	42.96	17	36.6	F8	21	5563	A -1 4244
58		8.5A	2 44.377	-0.0007	14	-0 22 27.23	0.000	20	0.29	44.387	17	36.6	27.24	17	36.6	K5	21	5566	A -0 4302
59		8.3Q	2 44.952	0.0006	09	-1 40 3.35	-0.010	05	0.39	44.923	17	02.5	2.76	15	90.9	F8	GC	30885	-2 5689
60		9.0A	2 46.637	0.0001	12	-7 50 31.67	-0.119	12	0.25	46.636	16	33.6	29.73	16	33.6	G5	16	7916	A -8 5794
61		8.0A	2 53.996	0.0056	12	-7 56 20.88	-0.023	12	0.25	53.905	16	33.6	20.51	16	33.6	F8	16	7917	A -8 5796
62		3.2H	3 12.946	0.0011	01	-0 33 48.59	-0.004	01	0.03	12.897	02	06.4	48.38	02	02.0	G0	F4	827	-1 4246
63		9.0A	3 13.097	-0.0010	12	-8 43 58.68	-0.006	12	0.25	13.113	16	33.6	58.58	16	33.6	K0	16	7918	A -9 5910
64		8.8A	3 17.483	-0.0009	12	-1 52 2.37	0.003	12	0.25	17.497	16	33.6	2.42	16	33.6	K2	17	7706	A -2 5691
65		8.2A	3 26.829	-0.0001	13	-3 20 59.44	-0.029	13	0.27	26.830	16	33.6	58.97	16	33.6	K2	17	7709	A -3 5375
66		7.5T	3 27.968	0.0106	06	-5 36 3.92	-0.058	05	0.34	27.376	12	94.0	0.34	12	87.8	G0	GC	30903	-6 5908
67		8.8A	3 46.410	0.0004	15	-2 43 32.37	-0.067	13	0.28	46.404	16	33.6	31.27	16	33.6	G0	17	7710	A -3 5376
68		8.5A	3 55.257	0.0053	14	-1 32 14.09	0.003	20	0.29	55.186	17	36.6	14.13	17	36.6	F8	21	5575	A -1 4248
69		8.8A	4 7.168	-0.0014	12	-7 11 45.82	-0.024	12	0.25	7.192	16	33.6	45.44	16	33.6	K0	16	7920	A -7 5700
70		9.4A	4 7.682	0.0001	12	-6 10 32.00	-0.006	12	0.25	7.680	16	33.6	31.91	16	33.6	K0 R	16	7921	A -6 5910
71		7.9A	4 8.709	-0.0002	12	-6 58 25.42	-0.024	12	0.25	8.713	16	33.6	25.04	16	33.6	A2	16	7922	A -7 5701
72		9.0A	4 10.945	-0.0007	15	-3 23 17.06	-0.003	13	0.28	10.956	16	33.6	17.02	16	33.6	K0	17	7712	A -3 5378
73		8.9A	4 11.988	0.0020	12	-9 9 8.65	-0.026	12	0.25	11.955	16	33.6	8.22	16	33.6	F0	16	7923	A -9 5917
74		8.1A	4 16.818	-0.0042	14	-0 59 34.12	-0.042	20	0.29	16.874	17	36.6	33.56	17	36.6	K2	21	5576	A -1 4249
75		8.9A	4 38.498	-0.0006	12	-9 25 34.36	0.031	12	0.25	38.508	16	33.6	34.87	16	33.6	K0	16	7924	A -9 5920
76		9.4A	4 46.226	0.0014	12	-6 37 9.89	0.030	12	0.25	46.203	16	33.6	10.38	16	33.6	F5	16	7925	A -7 5703
77		9.0A	4 48.680	0.0013	09	-4 20 3.84	-0.078	09	0.22	48.658	16	33.6	2.55	16	33.6	K0	17	7713	A -4 5615
78		9.1A	4 49.610	0.0027	14	-1 3 51.49	-0.007	20	0.29	49.574	17	36.6	51.59	17	36.6	A0	21	5578	A -1 4250
79		9.0A	4 51.300	-0.0024	09	-4 23 32.19	-0.007	09	0.22	51.339	16	33.6	32.07	16	33.6	K0	17	7714	A -4 5616
80		9.0A	4 56.051	0.0003	09	-5 32 16.40	0.016	09	0.22	56.046	16	33.6	16.67	16	33.6	K5	17	7715	A -5 5711
81		8.9A	5 3.899	0.0015	12	-7 6 49.79	-0.022	12	0.25	3.874	16	33.6	49.44	16	33.6	K0	16	7927	A -7 5705
82		7.9Q	5 4.422	0.0013	07	-6 4 24.79	0.016	06	0.32	4.361	09	02.0	25.62	09	99.4	K0	GC	30941	-6 5912
83		9.0A	5 6.336	0.0021	09	-2 35 57.86	0.007	09	0.22	6.302	16	33.6	57.98	16	33.6	K0	17	7716	A -3 5382
84		8.5A	5 16.694	0.0014	12	-5 44 31.92	-0.016	12	0.25	16.671	16	33.6	31.67	16	33.6	A2	16	7930	A -6 5914
85		8.5A	5 17.264	0.0016	12	-7 35 53.44	-0.032	11	0.24	17.237	16	33.6	52.92	16	33.6	G5	16	7929	A -8 5806
86		9.2A	5 25.365	-0.0062	12	-8 11 37.43	-0.092	12	0.25	25.466	16	33.6	35.93	16	33.6	G0	16	7932	A -8 5807
87		9.2A	5 26.478	0.0001	12	-9 36 36.08	-0.008	12	0.25	26.476	16	33.6	35.95	16	33.6	K0	16	7931	A -10 5840
88		9.1A	5 27.223	-0.0016	12	-6 55 28.18	-0.024	12	0.25	27.249	16	33.6	27.80	16	33.6	G5	16	7933	A -7 5706
89		7.5A	5 36.052	0.0016	11	-3 46 35.47	0.003	11	0.23	36.026	16	33.6	35.52	16	33.6	B9	17	7717	A -4 5617
90		8.3Q	5 37.648	-0.0001	12	-6 37 40.16	0.019	09	0.53	37.655	17	02.7	41.11	17	00.5	K2	GC	30960	-7 5708
91		8.9A	5 44.792	-0.0011	12	-7 51 6.15	-0.022	12	0.25	44.811	16	33.6	5.80	16	33.6	F5	16	7935	A -8 5809
92		9.0A	5 45.743	0.0011	12	-7 41 10.93	-0.014	12	0.25	45.725	16	33.6	10.71	16	33.6	K5	16	7936	A -8 5810
93		9.1A	5 49.518	0.0007	12	-7 8 0.75	0.001	12	0.25	49.507	16	33.6	0.77	16	33.6	K5	16	7937	A -7 5711
94		8.9A	5 49.804	0.0014	09	-4 42 23.88	-0.021	09	0.22	49.780	16	33.6	23.53	16	33.6	K2	17	7718	A -5 5713
95		9.1A	5 54.966	-0.0032	12	-8 32 20.64	-0.043	12	0.25	55.019	16	33.6	19.94	16	33.6	G0	16	7938	A -8 5811
96		8.7A	6 6.579	0.0013	14	-0 11 2.81	-0.012	20	0.29	6.561	17	36.5	2.65	17	36.5	F5	21	5580	A -0 4310
97		8.8A	6 7.234	0.0004	12	-7 56 12.79	0.000	12	0.25	7.228	16	33.6	12.80	16	33.6	K0	16	7939	A -8 5814
98		9.1A	6 9.821	-0.0011	14	-0 0 48.97	-0.005	20	0.29	9.836	17	36.5	48.91	17	36.5	K2 R	21	5582	A -0 4312
99		9.0A	6 18.528	0.0073	09	-2 14 5.50	-0.093	09	0.22	18.408	16	33.6	3.98	16	33.6	G0	17	7719	A -2 5701
00		9.0A	6 23.119	0.0000	13	-3 55 14.36	-0.032	13	0.27	23.118	16	33.6	13.84	16	33.6	K5	17	7720	A -4 5618

145900

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ s	σ_μ .001"	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ .001"	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ .01"	ep.	δ_2 ″	σ' .01"	ep.	SP.	SOURCE CAT.	STAR NUMBER	DM NUMBER
1		8.8A	22 6 23.346	0.0006	14	-1 14 35.31	-0.003	20	0.29	23.339	17	36.5	35.27	17	36.5	K2	21	5583	A -1 4255
2		8.8A	6 34.390	-0.0002	12	-5 51 20.80	0.011	12	0.25	34.394	16	33.6	20.99	16	33.6	F8	16	7940	A -6 5918
3		8.6A	6 38.085	0.0000	12	-7 29 13.17	0.009	12	0.25	38.085	16	33.6	13.32	16	33.6	A0	16	7941	A -7 5713
4		8.8A	6 45.144	-0.0031	12	-7 56 19.29	-0.038	12	0.25	45.195	16	33.6	18.68	16	33.6	K2	16	7942	A -8 5816
5		7.0T	6 48.305	0.0041	03	-8 25 56.25	0.051	03	0.20	48.075	09	93.3	59.32	09	90.2	G5	GC	30989	B* -8 5817
6		6.6T	6 51.587	0.0057	03	-7 47 17.81	-0.444	03	0.20	51.271	07	94.3	52.43	07	92.8	G0	GC	30991	B* -8 5818
7		8.7A	6 51.792	0.0004	12	-9 2 47.07	0.007	12	0.25	51.785	16	33.6	47.19	16	33.6	F2	16	7944	A -9 5827
8		8.7A	7 0.550	-0.0021	09	-2 16 0.76	-0.004	09	0.22	0.594	16	33.6	0.70	16	33.6	MA	17	7721	A -2 5705
9		8.4A	7 1.308	0.0014	12	-6 38 21.60	-0.008	12	0.25	1.286	16	33.6	21.48	16	33.6	A0	16	7946	A -7 5715
10		9.2A	7 8.052	-0.0068	09	-5 32 16.28	-0.137	09	0.22	8.164	16	33.6	14.05	16	33.6	G5	17	7722	A -6 5921
11		8.5A	7 22.646	-0.0020	09	-4 22 56.65	-0.037	09	0.22	22.678	16	33.6	56.05	16	33.6	F8	17	7723	A -4 5620
12		8.2A	7 35.345	0.0003	13	-5 10 31.09	0.007	13	0.27	35.339	16	33.6	31.20	16	33.6	G0	17	7724	A -5 5720
13		8.3A	7 42.862	0.0029	12	-9 38 3.49	0.006	12	0.25	42.815	16	33.6	3.59	16	33.6	G5	16	7948	A -10 5851
14		6.1T	7 45.089	0.0011	04	-4 8 23.89	-0.046	04	0.24	45.028	09	99.5	21.32	09	94.2	A0	GC	31015	-4 5623
15		8.6A	7 49.956	0.0001	09	-5 27 25.51	-0.000	09	0.22	49.954	16	33.6	25.50	16	33.6	F8	17	7726	A -5 5721
16		6.1T	7 57.354	0.0049	04	-4 30 48.90	0.001	04	0.21	57.104	07	99.1	48.94	07	96.9	K0	GC	31022	B* -4 5625
17		9.6A	7 58.069	0.0042	11	-8 29 11.58	-0.072	11	0.23	58.000	16	33.6	10.41	16	33.6	G5	16	7950	A -8 5823
18		8.7A	8 8.410	-0.0006	09	-2 22 27.02	-0.003	09	0.22	8.419	16	33.6	26.97	16	33.6	K0	17	7728	A -2 5708
19		9.0A	8 16.712	0.0013	09	-3 59 49.04	0.012	09	0.22	16.690	16	33.6	49.23	16	33.6	K0	17	7729	A -4 5626
20		9.3A	8 23.446	0.0015	11	-1 27 32.81	-0.010	11	0.23	23.421	16	33.6	32.65	16	33.6	G0	17	7730	A -1 4259
21		8.9A	8 27.611	0.0014	12	-8 15 45.29	-0.012	12	0.25	27.588	16	33.6	45.10	16	33.6	K0	16	7951	A -8 5825
22		9.0A	8 30.690	-0.0004	15	-9 58 20.61	-0.004	17	0.31	30.696	18	33.6	20.54	16	33.6	G0	J 11	7839	A -10 5855
23		8.8A	8 34.669	0.0018	12	-6 8 26.05	-0.009	12	0.25	34.639	16	33.6	25.91	16	33.6	K5	16	7953	A -6 5925
24		9.3A	8 35.326	0.0028	12	-8 15 20.94	0.017	12	0.25	35.281	16	33.6	21.23	16	33.6	G0	16	7952	A -8 5827
25		9.2A	8 39.002	-0.0011	13	-9 57 36.35	0.004	15	0.29	39.020	18	33.6	36.41	16	33.6	K5	J 11	7840	A -10 5857
26		9.2A	8 55.376	0.0007	12	-8 47 34.48	-0.009	12	0.25	55.365	16	33.6	34.33	16	33.6	K2	16	7954	A -9 5930
27		8.7A	9 1.781	0.0010	11	-3 10 46.37	-0.000	09	0.22	1.765	16	33.6	46.37	16	33.6	G0	17	7731	A -3 5394
28		9.0A	9 1.869	-0.0019	14	-1 15 7.19	-0.010	20	0.29	1.895	17	36.5	7.06	17	36.5	K5	21	5588	A -1 4260
29		8.7A	9 10.891	0.0013	15	-9 59 33.69	-0.002	17	0.31	10.869	18	33.6	33.66	16	33.6	K0	J 11	7844	A -10 5860
30		9.1A	9 12.679	-0.0000	09	-5 23 21.42	-0.003	09	0.22	12.679	16	33.6	21.36	16	33.6	MA	17	7732	A -5 5726
31		8.5T	9 13.344	-0.0040	07	-1 29 32.88	-0.036	05	0.36	13.539	15	00.9	30.82	15	92.6	K0	GC	31047	-1 4261
32		8.9A	9 16.976	-0.0025	09	-5 10 14.24	-0.027	09	0.22	17.018	16	33.6	13.79	16	33.6	K0	17	7734	A -5 5727
33		8.5A	9 17.880	-0.0004	14	-0 36 34.56	-0.030	20	0.29	17.886	17	36.5	34.16	17	36.5	F5	21	5590	A -1 4262
34		8.5A	9 18.260	0.0066	09	-5 46 53.07	-0.024	09	0.22	18.152	16	33.6	52.69	16	33.6	G0	16	7956	A -6 5928
35		8.9A	9 18.682	0.0032	14	-0 58 4.63	0.001	20	0.29	18.640	17	36.5	4.65	17	36.5	K0	21	5591	A -1 4263
36		8.5A	9 41.945	-0.0010	09	-7 18 43.52	-0.005	09	0.22	41.961	16	33.6	43.45	16	33.6	G5	16	7957	A -7 5725
37		9.3A	9 50.068	0.0003	09	-2 32 54.25	-0.000	09	0.22	50.063	16	33.6	54.25	16	33.6	K2	F 17	7735	A -3 5399
38		7.0T	9 57.450	0.0041	09	-8 15 40.24	-0.043	07	0.45	57.252	18	01.3	37.89	17	95.0	F2	GC	31069K	B* -8 5830
39		7.4T	10 5.472	0.0149	09	-6 43 0.93	0.021	07	0.41	4.756	09	01.8	1.98	09	00.7	G0	GC	31072	-7 5727
40		6.4T	10 7.624	-0.0036	04	-4 58 4.69	-0.031	03	0.19	7.798	07	01.6	3.11	07	99.5	F5	GC	31074	B* -5 5732
41		9.3A	10 28.541	0.0004	14	-1 29 43.83	0.016	20	0.29	28.536	17	36.5	44.05	17	36.5	K0	21	5593	A -1 4264
42		9.0A	10 32.508	0.0010	14	-0 57 2.55	0.004	20	0.29	32.494	17	36.5	2.61	17	36.5	A0	21	5594	A -1 4265
43		9.2A	10 34.357	-0.0009	12	-9 22 52.08	-0.005	12	0.25	34.371	16	33.6	52.00	16	33.6	A2	16	7960	A -9 5934
44		8.8A	10 36.249	-0.0005	13	-4 7 12.86	-0.015	13	0.27	36.257	16	33.6	12.61	16	33.6	K0	17	7738	A -4 5635
45		9.0A	10 43.486	0.0008	13	-2 58 52.91	-0.015	13	0.27	43.473	16	33.6	52.67	16	33.6	K5	17	7739	A -3 5403
46		7.5A	10 46.446	0.0027	14	-0 0 21.06	0.005	20	0.29	46.411	17	36.5	21.13	17	36.5	K5	21	5595	A -0 4322
47		9.3A	10 48.274	-0.0028	12	-8 28 39.37	-0.049	12	0.25	48.320	16	33.6	38.57	16	33.6	G0	16	7961	A -8 5833
48		7.4A	10 50.212	0.0075	09	-1 54 2.35	-0.080	09	0.22	50.089	16	33.6	1.04	16	33.6	K2	17	7740	A -2 5714
49		8.7A	10 55.190	0.0049	12	-7 37 12.45	-0.039	12	0.25	55.109	16	33.6	11.81	16	33.6	F8	16	7962	A -8 5834
50		9.0A	11 0.336	0.0006	09	-4 48 31.23	-0.014	09	0.22	0.326	16	33.6	30.99	16	33.6	K2	17	7741	A -5 5735
51		9.3A	22 11 5.753	0.0024	08	-8 3 28.12	-0.013	05	0.40	5.630	17	98.1	27.33	15	87.4	A5	GC	31090	-8 5835
52		8.5A	11 6.373	0.0026	09	-4 1 24.19	-0.035	11	0.22	6.331	16	33.6	23.62	16	33.6	G5	17	7742	A -4 5637
53		8.8A	11 6.836	0.0001	11	-5 54 35.92	-0.005	11	0.23	6.835	16	33.6	35.85	16	33.6	K5	16	7964	A -6 5936
54		7.3T	11 15.294	0.0002	05	-4 41 58.50	-0.002	05	0.32	15.281	12	90.6	58.35	12	88.0	K0	GC	31092	-5 5738
55		8.6A	11 17.900	0.0031	09	-4 53 33.73	0.010	09	0.22	17.850	16	33.6	33.89	16	33.6	F8	17	7744	A -5 5739
56		9.0A	11 34.575	-0.0008	14	-0 54 24.78	-0.009	20	0.29	34.586	17	36.5	24.66	17	36.5	K2	21	5598	A -1 4269
57		7.8A	11 37.109	0.0047	12	-5 59 41.52	0.011	12	0.25	37.032	16	33.6	41.71	16	33.6	F5	16	7965	A -6 5938
58		9.1A	11 42.091	0.0064	09	-1 40 37.15	-0.033	09	0.22	41.985	16	33.6	36.61	16	33.6	K0	17	7745	A -2 5717
59		8.8A	11 42.594	0.0006	11	-5 48 25.72	0.007	11	0.23	42.584	16	33.6	25.84	16	33.6	A2	16	7966	A -6 5940
60		8.0A	11 48.230	-0.0001	14	-0 11 58.71	-0.010	20	0.29	48.231	17	36.5	58.58	17	36.5	K5	21	5601	A -0 4325
61		9.1A	11 51.733	0.0004	11	-6 31 35.05	-0.102	11	0.23	51.726	16	33.6	33.39	16	33.6	G5	16	7967	A -6 5942
62		9.2A	11 59.785	0.0009	09	-2 45 49.20	0.003	09	0.22	59.771	16	33.6	49.25	16	33.6	K2	F 17	7746	A -3 5408
63		7.7A	12 4.758	0.0020	11	-6 38 56.90	-0.014	11	0.23	4.725	16	33.6	56.68	16	33.6	A2	16	7968	A -7 5732
64		9.2A	12 8.907	0.0061	14	-1 31 26.98	-0.038	20	0.29	8.825	17	36.5	26.47	17	36.5	G5	21	5602	A -1 4270
65		8.2A	12 9.794	0.0009	12	-6 8 2.63	-0.132	12	0.25	9.779	16	33.6	0.48	16	33.6	G0	16	7969	A -6 5944
66		9.0A	12 10.627	0.0030	14	-0 37 51.16	-0.005	20	0.29	10.587	17	36.5	51.10	17	36.5	G0	21	5603	A -1 4271
67		9.0A	12 12.407	-0.0002	14	-1 2 18.80	0.018	20	0.29	12.410	17	36.5	19.05	17	36.5	K2	21	5604	A -1 4272
68		7.6A	12 16.656	0.0017	12	-6 59 3.55	0.016	12	0.25	16.628	16	33.6	3.82	16	33.6	B9	16	7970	A -7 5733
69		8.5A	12 18.452	0.0003	09	-4 11 49.87	0.016	09	0.22	18.447	16	33.6	50.13	16	33.6	K2	17	7748	A -4 5640
70		8.8A	12 21.046	-0.0005	12	-9 13 24.12	-0.015	12	0.25	21.055	16	33.6	23.88	16	33.6	A2	16	7971	A -9 5942
71		8.0A	12 28.261	-0.0002	09	-2 18 29.18	0.010	09	0.22	28.264	16	33.6	29.35	16	33.6	K0	17	7749	A -2 5720
72		9.0A	12 31.511	-0.0035	11	-8 18 8.42	-0.060	11	0.23	31.568	16	33.6	7.45	16	33.6	F8	16	7972	A -8 5840
73		8.2B	12 35.536	0.0011	04	-5 50 1.75	0.015	04	0.23	35.484	10	00.2	2.61	09	94.3	G5	GC	31124K	B* -6 5947
74		8.9A	12 48.529	0.0011	12	-7 16 37.65	0.013	12	0.25	48.511	16	33.6	37.87	16	33.6	F2	16	7974	A -7 5735
75		8.6A	12 55.818	-0.0001	12	-8 38 48.46	-0.018	12	0.25	55.820	16	33.6	48.17	16	33.6	F8	16	7975	A -9 5943
76		8.9A	12 56.119	0.0008	15	-9 52 1.96	-0.039	17	0.31	56.106	18	33.6	1.32	16	33.6	K0	J 11	7863	A -10 5874
77		9.2A	13 0.506	-0.0054	14	-0 5 20.97	-0.077	20	0.29	0.579	17	36.5	19.94	17	36.5	G0	R 21	5605	A -0 4326
78		9.0A	13 3.092	-0.0002	12	-5 54 47.38	0.012	12	0.25	3.095	16	33.6	47.59	16	33.6	K0	16	7976	A -6 5950
79		9.0A	13 11.713	0.0006	09	-2 41 7.93	-0.009	09	0.22	11.703	16	33.6	7.79	16	33.6	F5	17	7750	A -3 5412
80		9.1A	13 15.608	-0.0050	14	-1 11 9.19	-0.018	20	0.29	15.675	17	36.5	8.95	17	36.5	G5	21	5607	A -1 4275
81		8.8A	13 20.222	-0.0015	14	-0 12 44.24	0.002	20	0.29	20.242	17	36.5	44.27	17	36.5	B8	21	5608	A -0 4327
82		8.3A	13 22.111	0.0005	09	-2 59 39.29	0.003	09	0.22	22.104	16	33.6	39.34	16	33.6	F0	17	7751	A -3 5413
83		8.5A	13 22.954	-0.0015	12	-7 35 4.43	-0.045	12	0.25	22.979	16	33.6	3.70	16	33.6	K2	16	7977	A -8 5843
84		8.7A	13 28.746	0.0067	12	-7 20 8.27	-0.328	12	0.25	28.637	16	33.6	2.90	16	33.6	G5	16	7978	A -7 5737
85		9.1G	13 37.460	0.0032	10	-7 56 34.26	-0.049	07	0.46	37.314	17	03.7	31.70	17	97.5	G5	GC	31141	-8 5844
86		9.0A	13 41.631	-0.0003	09	-4 11 22.39	0.001	09	0.22	41.636	16	33.6	22.40	16	33.6	A0	17	7752	A -4 5645
87		8.8A	13 57.852	-0.0008	12	-3 7 42.35	0.027	12	0.25	57.862	16	33.6	42.79	16	33.6	K5	17	7753	A -3 5415
88		9.1A	13 58.122	-0.0001	14	-0 34 52.87	0.016	20	0.29	58.124	17	36.5	53.09	17	36.5	F8	21	5609	A -1 4277
89		8.1T	13 59.077	-0.0021	05	-1 50 45.99	-0.006	05	0.32	59.194	12	93.8	45.65	10	93.6	A2	GC	31147	-2 5726
90		8.6A	14 10.660	0.0027	12	-7 23 55.13	-0.002	12	0.25	10.617	16	33.6	55.10	16	33.6	F8	16	7980	A -7 5739
91		4.3H	14 11.766	0.0079	01	-8 1 58.75	-0.019	01	0.03	11.464	02	11.7	57.98	02	09.7	K0	F4	840	-8 5845
92		6.1T	14 14.263	-0.0034	04	-9 17 23.69	-0.006	03	0.20	14.437	07	99.4	23.39	07	99.6	K0	GC	31155	B* -9 5948
93		5.8T	14 29.931	0.0002	03	-5 38 15.02	0.025	03	0.16	29.923	06	04.1	16.22	06	02.7	G5	GC	31163	B* -6 5960
94		8.5A	14 39.245	0.0013	13	-3 15 26.18	0.014	13	0.27	39.223	16	33.6	26.41	16	33.6	K0	17	7757	A -3 5420
95		9.0A	14 39.735	-0.0001	09	-4 44 22.33	0.001	09	0.22	39.736	16	33.6	22.34	16	33.6	M1	F 17	7756	A -5 5747
96		9.7G	14 46.178	0.0058	06	-0 57 16.21	-0.032	05	0.40	45.892	19	01.3	14.17	17	86.0	K0	GC	31174K	B* -1 4279
97		9.3A	14 55.924	-0.0017	09	-2 22 34.39	0.015	09	0.22	55.951	16	33.6	34.64	16	33.6	K5	F 17	7758	A -2 5727
98		8.7A	15 8.338	-0.0001	12	-3 35 37.32	0.014	12	0.25	8.337	16	33.6	37.34	16	33.6	F2	17	7759	A -4 5647
99		8.7A	15 11.074	0.0066	15	-9 59 30.73	0.027	17	0.31	10.966	18	33.6	31.17	16	33.6	F0	J 11	7873	A -10 5879
00		8.9A	15 12.413	0.0137	09	-7 50 14.11	-0.101	09	0.22	12.189	16	33.6	12.46	16	33.6	G5	16	7984	A -8 5847

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NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	σ'_μ ″.001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	SOURCE CAT.	STAR NUMBER	DM NUMBER
1		8.6A	22 15 13.713	0.0002	13	-4 30 3.73	-0.004	13	0.27	13.709	16	33.6	3.66	16	33.6	A2	17	7760	A -4 5648
2		9.0A	15 14.520	-0.0019	13	-2 34 21.22	-0.022	13	0.27	14.551	16	33.6	20.86	16	33.6	K5	17	7761	A -3 5422
3		9.0A	15 27.582	-0.0028	12	-3 25 23.48	-0.011	12	0.25	27.628	16	33.6	23.30	16	33.6	K5	17	7762	A -3 5423
4		6.4T	15 30.461	-0.0028	06	-0 29 15.24	-0.057	06	0.25	30.563	09	13.1	12.98	09	10.0	F5	GC	31193	-0 4333
5		9.0A	15 34.146	0.0140	14	-1 22 17.51	-0.084	20	0.29	33.958	17	36.5	16.39	17	36.5	G0	21	5614	A -1 4280
6		8.4A	15 38.097	0.0006	12	-6 5 33.71	0.018	12	0.25	38.087	16	33.6	34.01	16	33.6	K0P	16	7985	A -6 5964
7		9.0A	15 38.750	-0.0016	09	-2 27 46.68	0.019	09	0.22	38.776	16	33.6	46.99	16	33.6	F8	17	7764	A -2 5728
8		9.0A	15 42.670	-0.0014	14	-0 43 46.99	-0.043	20	0.29	42.689	17	36.5	46.42	17	36.5	F5	21	5616	A -1 4281
9		8.9A	15 49.662	-0.0006	09	-6 53 13.30	0.012	09	0.22	49.672	16	33.6	13.50	16	33.6	F8	16	7986	A -7 5743
10		8.1A	15 54.999	0.0040	14	-1 22 26.70	0.054	20	0.29	54.946	17	36.5	27.43	17	36.5	K2	21	5617	A -1 4282
11		8.9A	15 56.685	0.0015	09	-5 27 8.49	0.015	09	0.22	56.661	16	33.6	8.73	16	33.6	K0	17	7765	A -5 5753
12		9.2A	15 59.686	0.0012	09	-2 14 16.54	-0.011	09	0.22	59.665	16	33.6	16.36	16	33.6	K0	17	7767	A -2 5730
13		9.1A	16 10.931	0.0004	12	-9 27 58.29	-0.063	12	0.25	10.925	16	33.6	57.26	16	33.6	G0	16	7988	A -9 5953
14		9.0Q	16 29.526	0.0173	22	-7 33 47.55	-0.175	20	0.91	28.802	15	08.1	40.11	18	07.4	G0	GC	31202	-8 5850
15		8.7A	16 31.322	0.0049	12	-8 2 57.61	-0.029	12	0.25	31.241	16	33.6	57.14	16	33.6	F8	16	7990	A -8 5851
16		9.0A	16 40.139	0.0005	09	-1 39 20.86	-0.005	09	0.22	40.130	16	33.6	20.78	16	33.6	F8	17	7768	A -2 5732
17		8.9Q	16 47.991	-0.0030	10	-8 45 25.80	-0.030	09	0.50	48.139	15	01.0	24.29	15	99.6	G5	GC	31211	-9 5958
18		8.9A	17 4.408	-0.0004	14	-0 50 57.42	0.010	20	0.29	4.413	17	36.5	57.56	17	36.5	K2	21	5621	A -1 4284
19		8.8A	17 6.480	0.0003	12	-7 56 0.34	-0.004	12	0.25	6.475	16	33.6	0.28	16	33.6	G5	16	7992	A -8 5854
20		8.5A	17 6.835	-0.0025	09	-2 3 28.29	-0.054	09	0.22	6.876	16	33.6	27.41	16	33.6	G0	17	7769	A -2 5733
21		7.8A	17 13.323	-0.0002	12	-4 19 3.33	-0.021	12	0.25	13.326	16	33.6	2.98	16	33.6	A3	17	7770	A -4 5655
22		9.0A	17 24.915	-0.0008	09	-4 51 55.11	0.022	09	0.22	24.928	16	33.6	54.46	16	33.6	G0	17	7771	A -5 5759
23		4.4T	17 34.106	0.0009	02	-8 4 22.44	0.002	02	0.10	34.067	05	04.4	22.55	05	02.3	B8	GC	31225	B* -8 5855
24		9.0A	17 38.809	-0.0016	09	-2 19 51.46	-0.029	09	0.22	38.835	16	33.6	50.98	16	33.6	K2	17	7772	A -2 5736
25		8.9A	17 50.816	0.0018	13	-4 43 28.37	-0.023	13	0.27	50.786	16	33.6	27.99	16	33.6	K2	17	7773	A -5 5762
26		7.8A	17 55.129	0.0059	14	-0 19 4.63	0.051	20	0.29	55.049	17	36.5	5.32	17	36.5	F5	21	5622	A -0 4342
27		9.3A	17 55.387	0.0027	12	-9 18 0.34	-0.013	12	0.25	55.342	16	33.6	0.13	16	33.6	F8	16	7994	A -9 5962
28		9.0A	17 56.105	-0.0015	12	-7 23 19.09	-0.006	12	0.25	56.130	16	33.6	19.00	16	33.6	F2	16	7995	A -7 5751
29		8.5A	17 56.621	0.0015	13	-4 24 47.19	-0.016	13	0.27	56.596	16	33.6	46.93	16	33.6	K0	17	7774	A -4 5656
30		9.0A	18 3.390	0.0016	09	-3 46 12.61	-0.001	09	0.22	3.364	16	33.6	12.60	16	33.6	F5	17	7775	A -4 5658
31		9.0A	18 3.418	0.0014	14	-0 46 6.86	-0.009	20	0.29	3.399	17	36.5	6.74	17	36.5	K2	21	5623	A -1 4285
32		7.8A	18 13.159	0.0020	12	-9 1 2.15	-0.010	12	0.25	13.125	16	33.6	1.98	16	33.6	K0	16	7996	A -9 5963
33		9.0A	18 23.122	0.0077	14	-0 5 51.30	-0.040	20	0.29	23.019	17	36.5	50.76	17	36.5	F8	R 21	5625	A -0 4344
34		9.1A	18 23.342	0.0008	11	-3 49 25.94	0.021	11	0.23	23.329	16	33.6	26.28	16	33.6	G5	F 17	7776K	A -4 5661
35		9.0A	18 24.567	0.0037	12	-7 12 59.69	0.022	12	0.25	24.507	16	33.6	0.06	16	33.6	F0	16	7997	A -7 5753
36		9.1A	18 26.586	0.0027	11	-2 30 38.63	0.003	11	0.23	26.543	16	33.6	38.68	16	33.6	F8	17	7777	A -2 5737
37		9.0A	18 30.391	0.0017	12	-5 22 6.60	-0.035	12	0.25	30.362	16	33.6	6.02	16	33.6	F8	17.	7778	A -5 5768
38		9.3A	18 33.438	0.0024	12	-7 55 23.00	-0.042	12	0.25	33.399	16	33.6	22.32	16	33.6	K2	16	7999	A -8 5857
39		8.9A	18 35.480	0.0025	12	-6 41 21.24	-0.016	12	0.25	35.439	16	33.6	20.98	16	33.6	K0	16	8000	A -7 5755
40		9.2A	18 42.302	0.0071	12	-6 23 22.75	-0.025	12	0.25	42.186	16	33.6	22.35	16	33.6	G0	R 16	8001	A -6 5971
41		7.5T	18 46.880	0.0022	06	-6 29 43.11	0.001	05	0.27	46.783	09	05.1	43.17	09	02.3	A2	GC	31246	-6 5972
42		8.7A	18 54.417	0.0010	17	-2 21 43.29	-0.038	17	0.31	54.400	16	33.6	42.67	16	33.6	F8	17	7779	A -2 5740
43		7.9A	19 4.311	-0.0003	12	-7 51 38.35	-0.013	11	0.24	4.316	16	33.6	38.14	16	33.6	MB	16	8003	A -8 5858
44		4.0H	19 4.420	0.0086	01	-1 38 23.77	0.012	01	0.04	4.072	02	09.4	24.28	02	08.8	A0	F4	842	-2 5741
45		8.1Q	19 9.479	0.0002	08	-6 26 1.46	-0.007	07	0.41	9.471	14	01.6	1.12	14	99.1	M0	GC	31260	-6 5974
46		9.0A	19 14.397	0.0003	15	-9 51 47.30	-0.009	17	0.31	14.393	18	33.6	47.15	16	33.6	A5	J 11	7889	A -10 5896
47		9.3A	19 23.586	0.0120	12	-9 0 2.05	-0.064	12	0.25	23.400	16	33.6	3.10	16	33.6	G5	16	8005	A -9 5966
48		8.9A	19 24.877	0.0014	13	-2 10 37.14	-0.004	13	0.27	24.853	16	33.6	37.08	16	33.6	G0	17	7781	A -2 5744
49		8.8A	19 26.456	0.0011	12	-2 31 49.34	-0.013	12	0.25	26.438	16	33.6	49.56	16	33.6	K5	17	7783	A -3 5433
50		8.3A	19 27.062	0.0036	09	-4 3 17.39	-0.010	09	0.22	27.002	16	33.6	17.22	16	33.6	K0	17	7782	A -4 5662
51		8.5A	22 19 28.235	-0.0018	12	-6 49 18.57	-0.015	12	0.25	28.265	16	33.6	18.33	16	33.6	F0	16	8006	A -7 5760
52		9.3A	19 38.056	0.0022	12	-7 43 8.59	0.001	12	0.25	38.020	16	33.6	8.62	16	33.6	M5	R 16	8007	A -8 5861
53		9.0A	19 47.999	-0.0031	13	-2 42 10.93	-0.005	13	0.27	48.049	16	33.6	10.85	16	33.6	G0	17	7784	A -3 5435
54		8.9A	19 48.841	0.0007	14	-0 10 5.55	0.001	20	0.29	48.832	17	36.5	5.57	17	36.5	A0	21	5633	A -0 4351
55		8.9A	19 50.766	-0.0005	13	-4 41 9.38	-0.015	13	0.27	50.774	16	33.6	9.13	16	33.6	K0	17	7785	A -5 5773
56		9.2A	19 52.301	0.0027	12	-7 42 35.75	-0.008	12	0.25	52.257	16	33.6	35.63	16	33.6	G0	16	8006K	A -8 5862
57		8.9A	19 56.133	0.0006	11	-4 52 26.03	0.014	09	0.22	56.122	16	33.6	26.25	16	33.6	K0	17	7786	A -5 5774
58		8.0A	20 1.918	0.0002	13	-3 59 23.17	-0.018	13	0.27	1.914	16	33.6	22.88	16	33.6	K0	17	7787	A -4 5663
59		9.2A	20 16.518	0.0002	13	-2 15 19.99	-0.054	13	0.27	16.514	16	33.6	19.11	16	33.6	G0	17	7788	A -2 5748
60		9.0A	20 23.979	0.0010	09	-2 50 12.01	-0.010	09	0.22	23.963	16	33.6	11.85	16	33.6	K2	17	7789	A -3 5437
61		8.8A	20 52.050	0.0010	09	-4 44 16.78	0.009	09	0.22	52.033	16	33.6	16.92	16	33.6	K2	17	7790	A -5 5777
62		6.1T	20 54.817	-0.0003	04	-7 26 52.85	0.011	04	0.20	54.833	07	01.8	53.39	07	01.7	K0	GC	31293	B* -7 5765
63		7.7A	20 58.096	-0.0017	11	-2 33 16.46	-0.027	13	0.25	58.123	16	33.6	16.02	16	33.6	F8	17	7791	A -3 5438
64		9.0A	20 59.625	0.0051	12	-4 5 55.97	0.002	12	0.25	59.542	16	33.6	56.00	16	33.6	F8	17	7792	A -4 5667
65		8.9A	21 8.906	0.0024	15	-9 56 28.97	0.058	15	0.30	8.866	18	33.6	29.92	16	33.6	K0	J 11	7892	A -10 5902
66		8.3A	21 17.431	0.0043	09	-3 0 40.45	-0.003	09	0.22	17.361	16	33.6	40.40	16	33.6	G0	17	7793	A -3 5440
67		5.9T	21 30.638	0.0020	03	-5 5 26.02	-0.000	03	0.18	30.521	07	90.9	25.99	07	91.3	A0	GC	31307K	B* -5 5780
68		7.7A	21 35.615	0.0012	13	-2 18 56.19	-0.010	13	0.27	35.596	16	33.6	56.03	16	33.6	A3	17	7795	A -2 5750
69		9.0A	21 37.056	0.0008	13	-4 15 30.67	-0.002	13	0.27	37.043	16	33.6	30.63	16	33.6	G5	17	7796	A -4 5669
70		8.5A	21 43.471	0.0016	09	-1 42 5.66	0.081	09	0.22	43.444	16	33.6	6.99	16	33.6	F8	17	7797	A -2 5751
71		8.8A	21 44.682	0.0008	12	-6 27 52.59	-0.002	12	0.25	44.668	16	33.6	52.57	16	33.6	F8	16	8010	A -6 5984
72		8.6A	21 49.679	0.0018	12	-6 17 11.19	-0.007	12	0.25	49.649	16	33.6	11.09	16	33.6	G5	16	8011	A -6 5985
73		9.2A	21 55.423	0.0024	12	-8 21 38.00	-0.019	11	0.24	55.384	16	33.6	37.70	16	33.6	F8	16	8012	A -8 5865
74		6.7T	22 1.050	0.0073	04	-1 26 28.44	0.039	04	0.24	0.709	10	03.5	30.45	12	98.7	K0	GC	31323	B* -1 4290
75		9.0A	22 4.800	0.0030	15	-9 51 20.00	-0.029	15	0.30	4.750	18	33.6	19.52	16	33.6	K0	J 11	7904	A -10 5907
76		8.6A	22 5.014	0.0017	12	-9 40 57.82	-0.013	12	0.25	4.986	16	33.6	57.61	16	33.6	K0	16	8013	A -10 5908
77		9.0A	22 5.832	0.0026	09	-5 28 58.12	-0.063	09	0.22	5.789	16	33.6	57.08	16	33.6	G5	17	7799	A -5 5784
78		9.1A	22 23.467	0.0035	12	-6 37 28.90	0.045	12	0.25	23.411	16	33.6	29.64	16	33.6	F8	16	8015	A -7 5773
79		9.0A	22 46.040	-0.0010	14	-0 15 52.30	0.005	20	0.29	46.054	17	36.5	52.38	17	36.5	A2	21	5641	A -0 4356
80		9.0A	22 47.572	0.0045	11	-6 41 29.63	-0.009	11	0.23	47.499	16	33.6	29.48	16	33.6	G5	16	8016	A -7 5776
81		9.0A	23 11.077	0.0002	14	-1 5 20.18	-0.010	20	0.29	11.075	17	36.5	20.05	17	36.5	A0	21	5642	A -1 4292
82		8.8A	23 15.569	0.0019	12	-9 12 50.84	0.027	12	0.25	15.538	16	33.6	51.28	16	33.6	G0	16	8017	A -9 5976
83		8.0A	23 30.475	0.0016	09	-5 25 57.19	-0.000	09	0.22	30.449	16	33.6	57.18	16	33.6	F0	17	7800	A -5 5790
84		7.2A	23 39.396	-0.0025	09	-3 2 33.57	-0.077	09	0.22	39.438	16	33.6	32.31	16	33.6	F5	17	7801	A -3 5443
85		9.2A	23 41.271	0.0027	09	-5 26 19.04	-0.059	09	0.22	41.227	16	33.6	18.07	16	33.6	G5	17	7802	A -5 5791
86		8.2A	23 55.782	-0.0002	14	-0 49 19.52	-0.017	20	0.29	55.785	17	36.5	19.30	17	36.5	K2	21	5643	A -1 4294
87		6.9T	23 57.189	0.0048	07	-7 37 55.42	-0.021	08	0.47	56.908	17	91.1	54.24	15	93.2	F0	GC	31351	-8 5873
88		8.7A	24 9.191	-0.0000	12	-8 45 57.20	0.011	12	0.25	9.192	16	33.6	57.38	16	33.6	A2	16	8021	A -9 5978
89		9.0A	24 28.388	0.0046	12	-3 31 37.15	-0.047	12	0.25	28.313	16	33.6	36.37	16	33.6	G0	17	7803	A -4 5679
90		8.9A	24 31.359	-0.0006	14	-0 34 23.03	-0.016	20	0.29	31.368	17	36.5	22.82	17	36.5	K2	21	5646	A -1 4296
91		8.4A	24 31.660	0.0047	09	-2 20 10.53	0.023	09	0.22	31.582	16	33.6	10.91	16	33.6	G0	17	7804	A -2 5760
92		6.8T	24 32.106	0.0036	10	-1 33 53.13	-0.025	08	0.53	31.909	14	95.6	51.74	14	94.2	G0	GC	31359	-2 5761
93		9.0A	24 33.515	0.0020	12	-3 41 36.15	-0.024	12	0.25	33.482	16	33.6	35.75	16	33.6	K0	17	7806	A -4 5680
94		9.7Q	24 35.484	0.0023	08	-2 1 47.96	0.022	05	0.40	35.365	18	98.8	49.38	15	85.1	F0	GC	31362K	B* -2 5763
95		8.9A	24 37.593	0.0006	14	-0 33 59.84	-0.070	20	0.29	37.586	17	36.5	58.90	17	36.5	F8	21	5647	A -1 4297
96		9.3A	24 38.931	-0.0009	11	-7 29 51.17	-0.001	11	0.23	38.946	16	33.6	51.15	16	33.6	G5	16	8022	A -7 5784
97		8.9A	24 45.331	0.0035	12	-6 17 0.18	0.015	12	0.25	45.274	16	33.6	0.43	16	33.6	K0	16	8023	A -6 5995
98		9.1A	24 46.998	0.0043	12	-7 26 12.91	0.086	12	0.25	46.927	16	33.6	14.33	16	33.6	G5	16	8024	A -7 5786
99		9.0A	24 51.662	-0.0003	09	-1 53 45.81	0.002	09	0.22	51.667	16	33.6	45.85	16	33.6	A5	17	7809	A -2 5765
00		9.0A	25 3.152	-0.0008	11	-8 29 17.87	-0.006	11	0.23	3.166	16	33.6	17.78	16	33.6	K0	16	8025	A -8 5875

- 00°
22H

146100 — EPOCH 1950 — ORIGINAL EPOCH — SOURCE — −00 22H

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	CAT.	STAR NUMBER	DM NUMBER
1		8.2A	22 25 15.076	0.0018	12	−6 9 41.06	-0.013	12	0.25	15.046	16	33.6	40.85	16	33.6	G5	16	8027	A −6 5996
2		9.0A	25 16.086	0.0005	12	−9 1 33.36	-0.008	12	0.25	16.078	16	33.6	33.23	16	33.6	A0	16	8026	A −9 5982
3		8.6A	25 16.839	0.0000	09	−4 34 18.51	-0.007	09	0.22	16.838	16	33.6	18.62	16	33.6	M8	17	7810	A −5 5796
4		9.4A	25 23.047	0.0006	17	−9 48 41.34	-0.008	18	0.33	23.037	18	33.6	41.21	16	33.6	G5 J	11	7926	A −10 5919
5		8.5A	25 23.121	0.0012	12	−6 11 38.70	0.006	12	0.25	23.101	16	33.6	38.81	16	33.6	G5	16	8028	A −6 5997
6		8.5A	28 12.727	0.0039	09	−2 40 33.69	-0.020	09	0.22	12.664	16	33.6	33.37	16	33.6	F8	17	7811	A −3 5450
7		4.8T	28 15.261	0.0119	02	−0 16 35.27	0.014	02	0.16	14.575	06	92.5	36.12	06	91.1	F2	GC	31398K	B* −0 4365
8		4.4T	28 15.514	0.0138	02	−0 16 36.08	0.047	02	0.13	14.707	06	91.6	38.99	06	88.6	F2	GC	31399K	B* −0 4365
9		9.0A	28 16.226	0.0017	09	−5 24 34.78	-0.022	09	0.22	16.199	16	33.6	34.41	16	33.6	F8	17	7812	A −5 5800
10		8.9A	28 16.910	-0.0014	14	−1 2 27.61	-0.033	20	0.29	16.929	17	36.5	27.17	17	36.5	K2	21	5650	A −1 4299
11		7.6T	28 26.402	0.0084	09	−9 59 46.77	-0.094	07	0.45	26.285	17	00.1	41.58	15	94.7	G0	GC	31404	−10 5925
12		9.0A	28 39.048	-0.0002	09	−4 44 59.53	0.016	09	0.22	39.060	16	33.6	59.78	16	33.6	K0	17	7813	A −5 5801
13		8.7A	28 40.217	0.0008	09	−9 55 8.85	-0.003	07	0.36	40.183	09	06.4	8.72	09	04.6	K0	GC	31411K	−10 5929
14		8.8A	28 43.603	-0.0013	14	−0 39 35.98	-0.016	20	0.29	43.621	17	36.5	35.77	17	36.5	F5	21	5651	A −1 4301
15		8.3A	28 45.794	0.0021	09	−3 29 5.16	-0.026	09	0.22	45.760	16	33.6	4.74	16	33.6	G5	17	7814	A −3 5452
16		9.3A	28 47.781	0.0007	12	−7 35 20.62	-0.013	12	0.25	47.770	16	33.6	20.42	16	33.6	F5 R	16	8030	A −8 5881
17		8.8A	28 47.969	0.0002	13	−4 26 40.53	-0.022	13	0.27	47.966	16	33.6	40.17	16	33.6	K0	17	7815	A −4 5683
18		8.8A	28 48.132	0.0004	12	−7 18 32.80	0.016	12	0.25	48.125	16	33.6	33.07	16	33.6	K0	16	8031	A −7 5792
19		8.8A	28 59.049	-0.0008	09	−1 37 38.58	0.025	09	0.22	59.063	16	33.6	38.99	16	33.6	G0	17	7816	A −2 5767
20		9.3A	27 0.003	0.0049	14	−0 14 52.72	-0.011	20	0.29	59.938	17	36.5	52.58	17	36.5	G0	21	5654	A −0 4368
21		9.1A	27 11.137	-0.0004	12	−9 16 26.08	0.007	12	0.25	11.144	16	33.6	26.20	16	33.6	K5	16	8033	A −9 5987
22		8.6A	27 18.403	-0.0048	12	−8 40 30.64	-0.013	12	0.25	18.482	16	33.6	30.43	16	33.6	G0	16	8034	A −9 5988
23		8.5A	27 19.246	0.0009	14	−0 55 20.90	-0.019	20	0.29	19.234	17	36.5	20.65	17	36.5	F8	21	5655	A −1 4303
24		9.1A	27 24.360	0.0001	09	−5 21 10.80	-0.009	09	0.22	24.358	16	33.6	10.65	16	33.6	G5	17	7817	A −5 5804
25		9.1A	27 24.472	0.0018	12	−7 39 24.63	-0.001	12	0.25	24.443	16	33.6	24.62	16	33.6	K0	16	8035	A −8 5885
26		7.8A	27 36.178	-0.0013	14	−0 7 5.93	-0.005	20	0.29	36.196	17	36.5	5.86	17	36.5	A0	21	5656	A −0 4371
27		8.5A	27 48.152	0.0016	14	−0 59 36.49	-0.014	20	0.29	48.130	17	36.5	36.31	17	36.5	K5	21	5657	A −1 4305
28		7.8A	27 51.548	0.0060	09	−5 4 26.81	0.056	09	0.22	51.449	16	33.6	27.72	16	33.6	G5	17	7818	A −5 5806
29		9.3A	27 55.035	0.0017	12	−7 58 38.42	-0.009	12	0.25	55.007	16	33.6	38.28	16	33.6	G5	16	8039	A −8 5889
30		7.3T	27 55.142	0.0040	10	−8 22 17.44	-0.003	06	0.43	54.955	10	02.8	17.30	10	99.2	F0	GC	31434K	B* −8 5888
31		8.8A	27 56.298	-0.0012	14	−1 19 30.04	0.008	20	0.29	56.315	17	36.5	30.15	17	36.5	K0	21	5660	A −1 4306
32		9.4A	28 1.588	-0.0020	09	−1 45 10.08	0.006	09	0.22	1.555	16	33.6	10.18	16	33.6	G5	17	7819	A −2 5769
33		8.6A	28 20.233	-0.0010	14	−0 43 11.40	0.009	20	0.29	20.219	17	36.5	11.53	17	36.5	A2	21	5665	A −1 4307
34		9.0A	28 38.808	-0.0033	17	−9 55 20.27	-0.007	18	0.33	38.863	18	33.6	20.16	16	33.6	G0 J	11	7953	A −10 5936
35		6.2T	28 41.038	0.0114	06	−6 48 38.82	-0.102	05	0.29	40.471	07	00.1	33.60	07	98.7	F8	GC	31461	−7 5797
36		6.3T	28 43.290	-0.0013	05	−3 10 4.64	-0.030	05	0.24	43.348	06	04.7	3.31	06	05.6	K0	GC	31462	−3 5460
37		9.1A	28 48.914	0.0016	14	−0 1 27.73	-0.027	20	0.29	48.893	17	36.5	27.37	17	36.5	F5	21	5666	A −0 4374
38		9.1A	29 16.055	-0.0016	12	−4 29 23.80	-0.045	12	0.25	16.080	16	33.6	23.06	16	33.6	G5	17	7821	A −4 5690
39		8.3A	29 36.998	0.0002	13	−4 19 12.26	-0.013	13	0.27	36.994	16	33.6	12.05	16	33.6	K5	17	7822	A −4 5694
40		9.3A	29 43.028	-0.0005	09	−1 57 58.30	0.024	09	0.22	43.033	16	33.6	58.70	16	33.6	K2	17	7823	A −2 5774
41		9.1A	29 48.571	0.0005	12	−8 32 20.92	0.025	12	0.25	48.563	16	33.6	21.33	16	33.6	A2	16	8041	A −9 5996
42		7.0T	29 56.379	0.0197	09	−6 43 31.53	0.030	10	0.48	55.396	12	00.0	33.00	12	01.6	G0	GC	31481	−7 5805
43		8.5A	29 57.696	0.0008	09	−1 46 22.68	0.013	09	0.22	57.683	16	33.6	22.90	16	33.6	K2	17	7824	A −2 5776
44		8.2A	30 0.582	0.0011	09	−5 25 51.00	0.008	09	0.22	0.563	16	33.6	51.13	16	33.6	K2	17	7825	A −5 5810
45		9.0A	30 2.914	0.0007	13	−4 22 56.37	0.013	13	0.27	2.902	16	33.6	56.59	16	33.6	K0	17	7826	A −4 5695
46		8.9A	30 6.977	0.0008	14	−1 1 56.62	-0.013	20	0.29	6.967	17	36.5	56.44	17	36.5	M8	21	5669	A −1 4309
47		9.1A	30 13.548	-0.0021	13	−3 12 8.12	-0.081	13	0.27	13.513	16	33.6	6.80	16	33.6	K2	17	7827	A −3 5464
48		9.7T	30 20.319	0.0098	11	−9 31 49.93	-0.003	11	0.51	19.888	15	05.8	49.82	15	06.4	G0	GC	31492	−10 5943
49		8.8A	30 26.974	0.0028	12	−7 25 53.63	-0.029	12	0.25	26.928	16	33.6	53.14	16	33.6	K5	16	8045	A −7 5807
50		9.1A	30 27.629	0.0002	12	−4 24 47.17	-0.015	12	0.25	27.625	16	33.6	46.93	16	33.6	K0	17	7828	A −4 5696
51		9.2A	22 30 30.512	-0.0002	11	−9 28 13.47	-0.004	11	0.23	30.516	16	33.6	13.41	16	33.6	G5	16	8046	A −9 6000
52		8.4A	30 30.892	0.0002	14	−1 10 9.94	-0.015	20	0.29	30.889	17	36.5	9.73	17	36.5	F5	21	5672	A −1 4311
53		8.8A	30 42.712	0.0200	12	−9 19 14.76	-0.045	12	0.25	42.364	16	33.6	14.03	16	33.6	G0	16	8047	A −9 6001
54		9.2A	30 45.901	0.0010	12	−6 34 40.32	0.007	12	0.25	45.885	16	33.6	40.44	16	33.6	K0	16	8048	A −7 5809
55		9.0A	30 48.904	-0.0033	09	−1 52 6.76	-0.058	09	0.22	48.958	16	33.6	5.82	16	33.6	G5	17	7829	A −2 5778
56		8.6A	30 50.565	-0.0041	14	−1 7 30.36	-0.123	20	0.29	50.621	17	36.5	28.69	17	36.5	G0	21	5674	A −1 4313
57		8.6A	30 51.120	0.0000	14	−0 34 13.61	0.005	20	0.29	51.120	17	36.5	13.67	17	36.5	K5	21	5675	A −1 4314
58		8.5A	31 11.492	-0.0007	09	−4 43 25.82	0.003	09	0.22	11.503	16	33.6	25.87	16	33.6	F5	17	7830	A −5 5814
59		7.9A	31 18.377	0.0007	09	−5 8 37.04	0.006	09	0.22	18.366	16	33.6	37.14	16	33.6	K0	17	7831	A −5 5815
60		5.9T	31 28.226	0.0022	03	−1 49 56.01	-0.035	03	0.20	28.111	09	98.0	54.06	09	93.7	K0	GC	31507	B* −2 5781
61		6.8T	31 28.669	-0.0005	04	−9 52 1.06	-0.003	04	0.21	28.695	07	01.6	0.93	09	99.7	K0	GC	31508	B* −10 5947
62		8.5A	31 42.774	-0.0011	12	−9 33 49.06	0.007	12	0.25	42.791	16	33.6	49.18	16	33.6	K0	16	8049	A −10 5948
63		9.3A	31 45.004	0.0010	12	−6 50 6.23	0.010	12	0.25	44.988	16	33.6	6.38	16	33.6	A0	16	8050	A −7 5811
64		9.0A	31 46.004	-0.0006	13	−4 12 29.34	-0.015	13	0.27	46.014	16	33.6	29.10	16	33.6	G5	17	7834	A −4 5703
65		9.4A	31 55.630	0.0009	12	−9 23 46.03	-0.001	12	0.25	55.615	16	33.6	46.02	16	33.6	K0	16	8051	A −9 6007
66		7.8A	32 3.001	-0.0021	12	−3 33 54.98	0.001	12	0.25	3.035	16	33.6	55.01	16	33.6	F2	17	7835	A −4 5705
67		9.0A	32 3.405	0.0020	13	−1 39 39.86	-0.012	13	0.27	3.372	16	33.6	39.67	16	33.6	A3	17	7836	A −2 5782
68		8.3A	32 3.983	-0.0057	13	−1 44 11.99	-0.010	13	0.27	3.889	16	33.6	11.84	16	33.6	K0	17	7837	A −2 5783
69		9.0A	32 4.354	-0.0002	12	−8 52 8.27	-0.029	12	0.25	4.357	16	33.6	7.80	16	33.6	G5	16	8052	A −9 6009
70		9.0A	32 4.363	0.0032	12	−5 57 55.50	-0.022	12	0.25	4.310	16	33.6	55.13	16	33.6	G0	16	8053	A −6 6021
71		8.5A	32 6.526	0.0049	13	−3 51 28.77	-0.027	13	0.27	6.446	16	33.6	28.34	16	33.6	G0	17	7838	A −4 5706
72		9.1A	32 6.931	-0.0018	12	−6 59 25.71	-0.002	12	0.25	6.961	16	33.6	25.67	16	33.6	G0	16	8054	A −7 5814
73		9.1A	32 9.868	0.0001	13	−3 10 2.11	0.001	13	0.27	9.867	16	33.6	2.13	16	33.6	K0	17	7839	A −3 5468
74		8.9A	32 18.533	-0.0010	13	−5 18 15.67	-0.015	13	0.27	18.550	16	33.6	15.42	16	33.6	F0	17	7840K	A −5 5817
75		9.5A	32 19.565	0.0028	14	−0 34 11.92	-0.044	20	0.29	19.528	17	36.5	11.32	17	36.5	G0	21	5680	A −1 4320
76		9.2A	32 21.705	-0.0021	12	−9 30 0.91	-0.002	12	0.25	21.739	16	33.6	0.88	16	33.6	G5	16	8055	A −9 6011
77		8.2A	32 31.581	0.0015	13	−1 47 0.87	0.020	13	0.27	31.556	16	33.6	1.21	16	33.6	F5	17	7841	A −2 5785
78		9.0A	32 34.144	-0.0024	12	−8 39 29.18	-0.001	12	0.25	34.183	16	33.6	29.17	16	33.6	F5	16	8056	A −9 6012
79		8.5A	32 38.361	-0.0018	13	−4 12 23.94	0.026	13	0.27	38.391	16	33.6	24.37	16	33.6	F0	17	7842	A −4 5707
80		8.3A	32 45.508	-0.0003	12	−2 30 57.82	-0.013	12	0.25	45.513	16	33.6	57.62	16	33.6	K0	17	7843	A −3 5472
81		4.1H	32 47.203	0.0099	01	−0 22 32.77	-0.051	01	0.04	46.962	02	09.5	30.66	02	08.7	B8	F4	850	−0 4384
82		8.4A	32 57.219	-0.0018	13	−3 12 3.21	-0.035	13	0.27	57.249	16	33.6	2.64	16	33.6	K0	17	7844	A −3 5473
83		8.9A	33 8.872	0.0010	12	−7 0 40.61	-0.016	12	0.25	8.855	16	33.6	40.35	16	33.6	G5	16	8057	A −7 5817
84		8.0A	33 15.105	0.0007	12	−7 35 55.65	-0.028	12	0.25	15.094	16	33.6	55.19	16	33.6	G5	16	8058	A −8 5902
85		9.3A	33 20.954	0.0002	12	−9 7 23.74	-0.002	12	0.25	20.950	16	33.6	23.71	16	33.6	K0 R	16	8059	A −9 6013
86		8.5A	33 25.414	-0.0011	12	−7 20 6.34	-0.019	12	0.25	25.432	16	33.6	6.03	16	33.6	K0	16	8060	A −7 5818
87		9.2A	33 37.788	0.0072	14	−0 5 24.65	-0.033	20	0.29	37.691	17	36.5	24.20	17	36.5	G5	21	5682	A −0 4385
88		7.1T	33 39.718	0.0036	09	−7 55 26.22	0.010	08	0.46	39.538	15	99.5	26.76	15	97.6	F0	GC	31552	−8 5905
89		8.7A	33 39.821	-0.0028	13	−4 16 40.54	0.067	13	0.27	39.866	16	33.6	41.64	16	33.6	F8	17	7845	A −4 5710
90		8.7A	33 41.955	-0.0011	12	−5 24 50.13	-0.027	12	0.25	41.974	16	33.6	49.68	16	33.6	M8	17	7846	A −5 5820
91		9.1A	33 45.235	0.0007	14	−0 38 54.40	-0.008	20	0.29	45.226	17	36.5	54.29	17	36.5	F8	21	5684	A −1 4324
92		8.5A	33 45.422	0.0020	14	−0 26 45.01	-0.015	20	0.29	45.396	17	36.5	44.80	17	36.5	A2	21	5685	A −0 4386
93		9.2A	33 47.639	-0.0082	14	−1 17 25.88	-0.099	20	0.29	47.750	17	36.5	24.54	17	36.5	G5	21	5686	A −1 4325
94		8.1A	33 59.679	0.0000	14	−0 49 25.87	-0.042	20	0.29	59.679	17	36.5	25.30	17	36.5	G0	21	5687	A −1 4327
95		9.0A	34 2.919	-0.0026	14	−0 40 43.36	-0.031	20	0.29	2.955	17	36.5	42.93	17	36.5	K2	21	5688	A −1 4328
96		9.1A	34 5.684	-0.0019	12	−9 12 29.29	-0.010	12	0.25	5.714	16	33.6	29.13	16	33.6	K0	16	8063	A −9 6015
97		9.0A	34 9.244	0.0004	12	−9 39 10.91	0.009	12	0.25	9.237	16	33.6	11.06	16	33.6	K0	16	8064	A −10 5953
98		9.2A	34 11.022	-0.0027	11	−8 49 59.27	-0.010	12	0.24	11.065	16	33.6	59.11	16	33.6	F5	16	8065	A −9 6016
99		8.7A	34 16.539	-0.0011	12	−6 42 45.12	-0.010	12	0.25	16.557	16	33.6	44.96	16	33.6	K0	16	8066	A −7 5820
00		8.9A	34 17.982	0.0005	12	−9 38 57.31	-0.022	12	0.25	17.974	16	33.6	56.95	16	33.6	K2	16	8067	A −10 5954

146200 — 0° 22H

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	EPOCH 1950 μ s	σ_μ ″.001	EPOCH 1950 δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	DM NUMBER
1		7.6A	22 34 23.272	0.0124	12	-7 49 26.59	-0.179	12	0.25	23.069	16	33.6	23.66	16	33.6	F0	16	8068	A -8 5907
2		9.4A	34 34.239	0.0031	11	-5 19 3.35	0.013	11	0.23	34.189	16	33.6	3.56	16	33.6	G5	17	7847	A -5 5824
3		9.2A	34 35.488	0.0007	13	-5 38 13.22	0.023	13	0.27	35.477	16	33.6	13.59	16	33.6	K2	17	7848	A -6 6033
4		8.7A	34 39.246	0.0016	09	-1 54 1.93	0.002	09	0.22	39.220	16	33.6	1.97	16	33.6	K0	17	7849	A -2 5793
5		7.6A	34 41.629	-0.0019	12	-6 19 37.29	-0.033	12	0.25	41.659	16	33.6	36.74	16	33.6	K2	16	8070	A -6 6034
6		8.7A	34 43.600	0.0005	14	-0 22 15.60	-0.002	20	0.29	43.594	17	36.5	15.57	17	36.5	F5	21	5690	A -0 4388
7		8.9A	34 46.752	-0.0015	12	-8 46 51.90	-0.057	12	0.25	46.777	16	33.6	50.97	16	33.6	G5	16	8071	A -9 6017
8		9.0A	34 47.080	-0.0010	14	-0 22 56.33	0.020	20	0.29	47.094	17	36.5	56.59	17	36.5	G0	21	5691	A -0 4389
9		9.0A	34 58.692	0.0014	14	-1 30 2.84	0.010	20	0.29	58.673	17	36.5	2.98	17	36.5	F0	21	5692	A -1 4329
10		5.3H	35 10.024	-0.0047	01	-4 29 11.39	-0.114	01	0.04	10.177	02	17.2	7.37	02	14.8	K0	F4	1595	-4 5716
11		9.3A	35 10.529	-0.0009	13	-1 38 35.10	0.007	13	0.27	10.544	16	33.6	35.22	16	33.6	K0	17	7852	A -2 5794
12		9.1A	35 17.752	0.0001	11	-6 20 1.98	-0.010	11	0.23	17.750	16	33.6	1.81	16	33.6	K0	16	8072	A -6 6036
13		9.1A	35 20.603	-0.0025	12	-9 39 51.49	0.014	12	0.25	20.643	16	33.6	51.72	16	33.6	G0	16	8073	A -10 5958
14		8.3A	35 31.777	-0.0029	09	-3 9 30.43	-0.034	09	0.22	31.824	16	33.6	29.88	16	33.6	G5	17	7853	A -3 5481
15		9.0A	35 44.080	0.0008	09	-3 57 58.64	0.009	09	0.22	44.067	16	33.6	58.79	16	33.6	F0	17	7854	A -4 5717
16		6.4T	35 44.788	0.0049	06	-8 9 28.68	-0.001	06	0.26	44.579	06	07.2	28.65	06	07.0	G0	GC	31593K	B* -8 5912
17		9.1A	35 59.504	-0.0006	12	-6 8 29.88	-0.006	12	0.25	59.515	16	33.6	29.78	16	33.6	K0	16	8075	A -6 6038
18		9.0A	36 0.181	-0.0002	13	-4 6 36.77	0.010	13	0.27	0.184	16	33.6	36.94	16	33.6	K0	17	7855	A -4 5719
19		9.2A	36 15.109	-0.0019	14	-0 32 21.05	-0.012	20	0.29	15.135	17	36.5	20.88	17	36.5	F5	21	5695	A -1 4332
20		8.9A	36 20.074	-0.0034	12	-8 56 42.39	-0.032	12	0.25	20.130	16	33.6	41.87	16	33.6	F8	16	8076	A -9 6021
21		8.4A	36 21.462	-0.0000	09	-3 17 10.94	-0.011	09	0.22	21.462	16	33.6	10.77	16	33.6	G5	17	7856	A -3 5482
22		8.7Q	36 40.216	0.0019	09	-3 52 4.53	-0.028	07	0.42	40.122	15	00.6	3.04	14	96.4	K0	GC	31616	-4 5721
23		8.4A	36 42.322	-0.0004	14	-0 58 36.53	0.002	20	0.29	42.327	17	36.5	36.55	17	36.5	F5	21	5696	A -1 4336
24		9.1A	36 50.331	0.0022	15	-9 50 46.16	0.052	17	0.31	50.296	18	33.6	47.02	16	33.6	G0	J 11	7988	A -10 5965
25		8.0A	36 53.424	0.0023	11	-7 51 54.84	-0.010	11	0.23	53.386	16	33.6	54.68	16	33.6	K0	16	8077	A -8 5918
26		9.2A	36 58.881	0.0003	13	-5 9 59.18	0.027	13	0.27	58.877	16	33.6	59.62	16	33.6	K0	17	7858	A -5 5834
27		8.9A	37 0.321	0.0128	12	-7 14 25.45	-0.016	12	0.25	0.111	16	33.6	25.19	16	33.6	G5	16	8078	A -7 5825
28		9.1A	37 3.792	-0.0039	13	-3 46 50.94	0.027	13	0.27	3.856	16	33.6	51.38	16	33.6	F0	17	7859	A -4 5723
29		9.8A	37 29.051	0.0023	13	-2 30 2.93	0.023	13	0.27	29.013	16	33.6	3.31	16	33.6	F8	17	7860	A -2 5806
30		6.7T	37 29.749	0.0114	04	-9 37 16.09	0.041	04	0.23	29.146	10	96.9	18.45	09	93.0	G0	GC	31637	B*-10 5966
31		9.1A	37 34.058	0.0036	14	-0 24 23.23	-0.001	20	0.29	34.010	17	36.5	23.21	17	36.5	F8	21	5699	A -0 4397
32		7.1T	37 35.986	-0.0014	08	-6 47 42.79	-0.036	07	0.44	36.066	14	93.6	40.72	14	91.9	G0	GC	31640	-7 5827
33		8.9A	37 39.719	-0.0033	11	-7 3 49.32	-0.073	11	0.23	39.774	16	33.6	48.13	16	33.6	G5	16	8081	A -7 5828
34		9.2A	37 40.161	-0.0023	12	-5 0 25.00	-0.022	12	0.25	40.199	16	33.6	24.64	16	33.6	G0	17	7861	A -5 5835
35		9.2A	37 55.160	-0.0012	12	-6 5 41.04	-0.033	12	0.25	55.179	16	33.6	40.50	16	33.6	K0	16	8082	A -6 6046
36		9.4A	37 55.393	-0.0009	09	-4 4 18.26	0.008	09	0.22	55.407	16	33.6	18.39	16	33.6	K0	17	7862	A -4 5725
37		8.0A	38 2.671	-0.0040	14	-0 19 58.74	-0.017	20	0.29	2.725	17	36.5	58.50	17	36.5	K0	21	5700	A -0 4399
38		9.4A	38 4.305	0.0061	15	-9 57 16.69	0.019	17	0.31	4.205	18	33.6	17.01	16	33.6	K0	J 11	7993	A -10 5968
39		6.4T	38 12.732	0.0000	07	-3 48 53.71	-0.037	06	0.38	12.731	10	97.2	51.73	10	96.3	G0	GC	31649	-4 5728
40		8.9A	38 29.447	-0.0015	12	-6 4 27.69	-0.001	12	0.25	29.472	16	33.6	27.67	16	33.6	G5	16	8083	A -6 6049
41		9.6A	38 31.399	-0.0075	17	-9 55 30.21	-0.048	18	0.33	31.521	18	33.6	29.43	16	33.6	G0	J 11	7994	A -10 5970
42		9.1A	38 37.051	0.0004	09	-1 42 47.49	0.007	09	0.22	37.045	16	33.6	47.61	16	33.6	K2	17	7864	A -2 5812
43		9.1A	38 41.469	0.0022	12	-6 30 26.32	-0.023	12	0.25	41.432	16	33.6	25.95	16	33.6	G0	16	8084	A -7 5830
44		8.9A	38 46.594	0.0014	11	-8 8 55.47	0.027	11	0.23	46.570	16	33.6	55.92	16	33.6	G5	16	8085	A -8 5924
45		8.9A	38 48.333	0.0023	12	-5 55 0.53	0.010	12	0.25	48.295	16	33.6	0.69	16	33.6	K0	16	8086	A -6 6051
46		9.5A	38 51.419	0.0001	09	-2 2 28.67	0.013	09	0.22	51.417	16	33.6	28.89	16	33.6	K2	17	7865	A -2 5813
47		8.6A	38 52.371	0.0085	12	-6 25 16.94	0.174	12	0.25	52.231	16	33.6	19.79	16	33.6	G0	17	8087	A -6 6052
48		9.5A	38 54.118	-0.0060	09	-1 41 42.35	-0.084	09	0.22	54.215	16	33.6	40.98	16	33.6	G0	17	7866	A -2 5814
49		8.9A	39 3.735	-0.0014	14	-0 8 49.92	-0.020	20	0.29	3.753	17	36.5	49.64	17	36.5	K2	21	5702	A -0 4403
50		9.4A	39 29.289	-0.0015	12	-5 24 28.55	-0.018	12	0.25	29.313	16	33.6	28.25	16	33.6		17	7868	A -5 5842
51		7.0T	22 39 29.939	0.0046	07	-5 21 47.91	-0.045	05	0.34	29.711	09	00.0	45.41	09	94.8	M0	GC	31678	-5 5843
52		7.7Q	39 31.323	0.0020	11	-3 44 7.56	-0.018	09	0.52	31.223	15	00.4	6.64	15	98.6	A0	GC	31679	-4 5733
53		8.9A	39 34.930	0.0078	12	-8 42 18.79	0.010	12	0.25	34.802	16	33.6	18.96	16	33.6	F8	16	8090	A -9 6035
54		9.0A	39 37.929	0.0019	13	-4 18 6.85	-0.012	13	0.27	37.898	16	33.6	6.66	16	33.6	F5	17	7871	A -4 5734
55		9.1A	39 39.507	-0.0002	12	-2 25 51.70	-0.013	12	0.25	39.510	16	33.6	51.49	16	33.6	F5	17	7872	A -2 5815
56		8.8A	39 45.343	-0.0008	12	-7 8 0.21	0.029	12	0.25	45.357	16	33.6	0.69	16	33.6	G0	16	8091	A -7 5833
57		8.8A	39 49.777	0.0007	14	-1 3 13.80	-0.003	20	0.29	49.768	17	36.5	13.75	17	36.5	F5	21	5703K	A -1 4339
58		8.9A	40 1.408	-0.0027	09	-2 18 25.58	-0.021	09	0.22	1.452	16	33.6	25.24	16	33.6	K0	17	7873	A -2 5816
59		9.3A	40 5.766	-0.0008	12	-5 46 10.03	-0.012	12	0.25	5.779	16	33.6	9.83	16	33.6	K0	R 16	8092	A -6 6058
60		7.0T	40 8.829	-0.0024	13	-0 11 29.09	-0.048	13	0.77	8.965	17	92.7	26.38	15	94.0	F0	GC	31688	-0 4405
61		6.9T	40 15.323	0.0002	08	-0 1 49.22	0.007	08	0.38	15.313	14	03.8	49.52	14	04.7	F0	GC	31689	B* -0 4406
62		9.1A	40 15.443	0.0037	13	-3 33 1.16	-0.003	13	0.27	15.382	16	33.6	1.12	16	33.6	K0	17	7874	A -4 5738
63		9.2A	40 17.271	-0.0022	12	-5 20 46.73	-0.012	12	0.25	17.307	16	33.6	46.53	16	33.6	K0	R 17	7875	A -5 5846
64		9.1A	40 17.971	-0.0012	12	-6 28 34.41	0.003	12	0.25	17.991	16	33.6	34.46	16	33.6	K0	16	8094	A -6 6060
65		8.3A	40 18.211	-0.0025	09	-4 57 23.90	0.013	09	0.22	18.251	16	33.6	24.11	16	33.6	G5	17	7876K	A -5 5847
66		8.7A	40 20.834	0.0016	13	-2 43 30.43	-0.010	13	0.27	20.808	16	33.6	30.28	16	33.6	A5	17	7877	A -3 5490
67		8.5A	40 22.364	-0.0014	12	-9 24 58.88	-0.039	12	0.25	22.387	16	33.6	58.25	16	33.6	K0	16	8095	A -9 6037
68		8.2A	40 22.672	-0.0000	13	-2 56 41.43	0.017	13	0.27	22.672	16	33.6	41.72	16	33.6	B9	17	7878	A -3 5491
69		9.4A	40 22.959	-0.0001	11	-8 23 15.46	-0.034	11	0.23	22.961	16	33.6	14.91	16	33.6	F5	R 16	8096	A -8 5926
70		9.1A	40 23.764	-0.0004	09	-3 41 25.12	-0.011	09	0.22	23.771	16	33.6	24.94	16	33.6	K2	17	7879	A -4 5740
71		6.8Q	40 26.274	0.0014	05	-8 34 25.67	-0.003	04	0.27	26.198	12	94.3	25.51	12	88.3	A2	GC	31697K	B* -9 6038
72		8.1Q	40 36.196	0.0027	08	-7 28 38.89	0.002	06	0.38	36.059	14	98.8	39.03	14	94.2	G5	GC	31700	-7 5837
73		6.3T	40 37.611	0.0016	03	-7 13 31.07	-0.012	03	0.15	37.535	05	01.8	30.45	06	00.5	B9	GC	31703	B* -7 5838
74		9.3A	40 38.594	0.0019	09	-3 41 40.19	0.016	09	0.22	38.563	16	33.6	40.45	16	33.6	F8	17	7880	A -4 5743
75		8.1A	40 45.513	-0.0095	12	-6 39 33.68	-0.294	12	0.25	45.669	16	33.6	28.85	16	33.6	K0	16	8100	A -7 5839
76		9.2Q	40 49.314	-0.0035	11	-8 40 51.13	-0.021	08	0.48	49.470	17	05.8	50.15	17	02.7	F8	GC	31707	-9 6039
77		8.8A	41 5.318	-0.0018	11	-5 28 8.39	-0.058	11	0.23	5.348	16	33.6	7.44	16	33.6	K2	17	7881	A -5 5848
78		9.0A	41 12.108	0.0021	12	-6 40 2.69	-0.018	12	0.25	12.073	16	33.6	2.40	16	33.6	G5	16	8103	A -7 5842
79		9.1A	41 20.163	-0.0028	12	-8 43 17.14	-0.015	12	0.25	20.209	16	33.6	16.90	16	33.6	F8	16	8104	A -9 6041
80		9.0A	41 29.212	0.0006	09	-2 47 38.71	0.016	09	0.22	29.202	16	33.6	38.98	16	33.6	K0	17	7882	A -3 5496
81		9.0A	41 36.507	0.0039	12	-9 17 8.59	-0.014	12	0.25	36.443	16	33.6	8.37	16	33.6	G0	16	8105	A -9 6043
82		8.8A	41 37.762	0.0004	14	-1 12 58.93	-0.021	20	0.29	37.757	17	36.5	58.64	17	36.5	A3	21	5710	A -1 4340
83		9.0A	41 38.307	0.0023	12	-9 19 39.70	-0.074	12	0.25	38.269	16	33.6	38.49	16	33.6	G0	16	8106	A -9 6044
84		9.0A	41 44.188	-0.0011	14	-0 46 56.73	-0.028	20	0.29	44.173	17	36.5	56.34	17	36.5	F0	21	5711	A -1 4341
85		9.4A	41 51.507	-0.0015	12	-8 46 9.94	-0.013	12	0.25	51.532	16	33.6	9.73	16	33.6	K2	R 16	8107	A -9 6045
86		9.4A	41 53.794	-0.0026	13	-3 20 37.80	-0.012	13	0.27	53.836	16	33.6	37.61	16	33.6	K0	17	7883	A -3 5499
87		8.5Q	41 58.946	-0.0002	07	-7 52 48.75	-0.002	06	0.37	58.957	15	00.4	48.66	15	96.8	A5	GC	31734	-8 5932
88		9.3A	42 0.701	-0.0031	12	-8 5 50.79	-0.079	12	0.25	0.751	16	33.6	49.50	16	33.6	G0	16	8109	A -8 5933
89		8.4A	42 17.453	0.0016	12	-7 9 59.11	-0.024	12	0.25	17.427	16	33.6	58.72	16	33.6	F0	16	8110	A -7 5847
90		9.0A	42 18.166	0.0020	14	-0 44 57.47	-0.037	20	0.29	18.140	17	36.5	56.96	17	36.5	G5	21	5714	A -1 4342
91		8.5A	42 18.726	-0.0010	09	-5 10 43.45	-0.005	09	0.22	18.742	16	33.6	43.37	16	33.6	A3	17	7884	A -5 5855
92		7.8A	42 25.864	0.0086	14	-0 59 43.60	0.013	20	0.29	25.749	17	36.5	43.77	17	36.5	F5	21	5715	A -1 4343
93		8.8Q	42 29.535	0.0011	10	-2 55 6.31	-0.053	07	0.46	29.482	18	03.0	3.39	15	94.4	F8	GC	31742K	B* -3 5501
94		8.8Q	42 29.778	0.0058	11	-7 49 42.92	0.019	08	0.48	29.510	18	03.6	43.90	17	00.0	F0	GC	31743	-8 5935
95		8.5A	42 29.938	0.0004	09	-2 55 26.27	-0.064	09	0.22	29.932	16	33.6	25.23	16	33.6	F8	17	7886K	A -3 5501
96		7.3T	42 43.154	0.0009	08	-9 54 27.56	-0.004	06	0.46	43.102	18	89.5	27.31	15	82.6	A5	GC	31748K	-10 5982
97		8.9A	42 43.783	-0.0002	09	-2 30 42.78	-0.012	09	0.22	43.785	16	33.6	42.59	16	33.6	F8	17	7887	A -3 5503
98		8.4A	42 45.728	0.0006	14	-1 26 29.64	-0.018	20	0.29	45.721	17	36.5	29.39	17	36.5	F5	21	5717	A -1 4345
99		9.2A	43 15.012	-0.0015	11	-8 30 55.15	-0.028	11	0.23	15.037	16	33.6	54.70	16	33.6	G5	16	8112	A -9 6051
00		7.8A	43 15.442	0.0008	14	-1 11 46.98	-0.000	20	0.29	15.431	17	36.5	46.97	17	36.5	K0	21	5720	A -1 4346

146300			EPOCH 1950									ORIGINAL EPOCH						SP.	SOURCE		- 00 22H
NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	α_{1950} h m	α_{1950} s	μ s	σ_μ ″.001	δ_{1950} ° ′	δ_{1950} ″	μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.		CAT.	STAR NUMBER	DM NUMBER
1		9.0A	22 43	39.025	-0.0009	14	-0 7	29.71	-0.044	20	0.29	39.037	17	36.5	29.11	17	36.5	F0	21	5721	A -0 4414
2		8.1G	43	41.792	-0.0035	10	-9 57	40.34	-0.088	07	0.47	41.960	17	02.4	35.76	17	97.7	K0	GC	31768	-10 5986
3		8.4A	43	43.638	0.0027	11	-8 39	10.76	-0.005	11	0.23	43.594	16	33.6	10.68	16	33.6	K0	16	8113	A -9 6054
4		9.0A	43	47.318	0.0002	11	-8 4	57.68	-0.036	11	0.23	47.314	16	33.6	57.10	16	33.6	F5	16	8114	A -8 5942
5		9.0A	44	13.177	-0.0006	12	-6 11	53.20	-0.022	12	0.25	13.188	16	33.6	52.83	16	33.6	F0	16	8115	A -6 6068
6		9.0A	44	28.293	0.0023	12	-8 25	49.96	0.005	12	0.25	28.255	16	33.6	50.03	16	33.6	K2	16	8116	A -8 5945
7		7.5A	44	37.538	0.0065	09	-2 58	23.24	-0.030	09	0.22	37.431	16	33.6	22.76	16	33.6	F5	17	7889	A -3 5505
8		8.2A	44	45.823	0.0036	11	-6 59	40.17	0.002	11	0.23	45.764	16	33.6	40.21	16	33.6	F0	16	8117	A -7 5858
9		8.9A	44	49.954	0.0046	12	-7 41	56.70	0.003	12	0.25	49.879	16	33.6	56.75	16	33.6	F5	16	8118	A -8 5947
10		7.6H	44	55.274	0.0001	02	-2 3	9.75	-0.006	02	0.07	55.271	03	24.0	9.58	04	22.4	K2	F4	1598	-2 5826
11		9.0A	44	58.624	-0.0018	11	-4 34	41.37	-0.020	11	0.23	58.653	16	33.6	41.04	16	33.6	K5	17	7891	A -5 5863
12		9.3A	44	59.580	-0.0011	12	-8 36	53.47	0.000	12	0.25	59.598	16	33.6	53.47	16	33.6	G5	16	8119	A -9 6057
13		9.0A	45	9.672	0.0006	09	-3 5	22.57	-0.006	09	0.22	9.661	16	33.6	22.48	16	33.6	A5	17	7892	A -3 5507
14		7.8G	45	15.311	-0.0134	07	-4 29	18.95	-0.279	08	0.46	16.081	12	92.5	2.28	12	90.2	G0	GC	31808K	-4 5757
15		7.3G	45	15.533	-0.0136	03	-4 29	19.67	-0.300	03	0.20	16.332	09	91.2	0.03	07	84.5	G0	GC	31809K	B* -4 5757
16		9.0A	45	17.837	0.0016	09	-3 8	58.81	-0.001	09	0.22	17.811	16	33.6	58.80	16	33.6	K5	17	7894	A -3 5509
17		8.7T	45	18.635	0.0006	06	-4 29	36.04	-0.010	06	0.37	18.601	15	93.3	35.47	12	91.4	F5	GC	31811K	B* -4 5759
18		9.0A	45	20.196	-0.0009	13	-2 50	16.89	-0.007	13	0.27	20.210	16	33.6	16.78	16	33.6	K0	17	7896	A -3 5510
19		9.1A	45	21.047	0.0011	12	-7 45	7.13	0.011	12	0.25	21.029	16	33.6	7.31	16	33.6	G5	16	8120	A -8 5950
20		9.1A	45	26.934	0.0010	11	-8 37	57.60	-0.005	11	0.23	26.917	16	33.6	57.52	16	33.6	A5	16	8121	A -9 6059
21		9.2A	45	28.139	0.0017	09	-6 48	54.39	-0.018	09	0.22	28.111	16	33.6	54.10	16	33.6	F2	16	8122	A -7 5861
22		8.7A	45	41.829	-0.0003	12	-6 1	54.56	0.003	12	0.25	41.834	16	33.6	54.61	16	33.6	K2	16	8123	A -6 6074
23		7.6A	45	45.690	-0.0004	11	-8 22	36.78	-0.006	11	0.23	45.697	16	33.6	36.69	16	33.6	K2	16	8124	A -8 5952
24		8.7A	45	52.076	-0.0010	13	-5 33	17.16	-0.004	13	0.27	52.092	16	33.6	17.09	16	33.6	K0	17	7897	A -6 6075
25		8.2A	45	55.145	0.0007	09	-4 50	23.91	-0.001	09	0.22	55.133	16	33.6	23.89	16	33.6	K0	17	7898	A -5 5866
26		8.9A	45	57.480	-0.0120	12	-5 51	29.52	0.012	12	0.25	57.676	16	33.6	29.71	16	33.6	G0	16	8126	A -6 6076
27		9.5A	46	1.483	-0.0021	09	-1 31	16.96	-0.006	09	0.22	1.517	16	33.6	16.87	16	33.6	K0	17	7899	A -2 5827
28		9.2A	46	4.983	-0.0015	13	-2 24	55.04	-0.002	13	0.27	5.007	16	33.6	55.00	16	33.6	A0	17	7900	A -2 5828
29		9.5A	46	5.341	0.0060	12	-7 43	24.07	-0.052	12	0.25	5.244	16	33.6	23.22	16	33.6	G0	16	8127	A -8 5954
30		9.3A	46	17.916	-0.0027	12	-9 12	26.22	-0.022	12	0.25	17.961	16	33.6	25.86	16	33.6	K0	16	8128	A -9 6063
31		9.2A	46	18.353	-0.0015	12	-9 7	46.99	-0.011	12	0.25	18.378	16	33.6	46.81	16	33.6	K5	16	8129	A -9 6064
32		8.7G	46	25.657	0.0038	10	-3 39	7.23	0.000	08	0.48	25.464	12	99.3	7.24	12	94.6	F8	GC	31828	-4 5764
33		9.0A	46	34.026	0.0004	12	-7 55	32.55	-0.009	12	0.25	34.019	16	33.6	32.41	16	33.6	K5	16	8131	A -8 5959
34		8.9A	47	9.377	-0.0006	13	-2 37	25.33	0.006	13	0.27	9.387	16	33.6	25.44	16	33.6	K0	17	7902	A -3 5515
35		9.0A	47	17.108	-0.0008	09	-4 36	46.92	-0.001	09	0.22	17.121	16	33.6	46.90	16	33.6	K2	17	7903	A -5 5870
36		9.1A	47	17.514	-0.0022	13	-2 44	18.38	-0.044	13	0.27	17.549	16	33.6	17.67	16	33.6	G0	17	7904	A -3 5516
37		8.9A	47	18.943	-0.0022	14	-0 24	6.91	-0.007	20	0.29	18.973	17	36.5	6.81	17	36.5	K5	21	5730	A -0 4423
38		8.3A	47	21.383	-0.0024	09	-3 5	9.60	-0.057	09	0.22	21.422	16	33.6	8.67	16	33.6	G0	17	7905	A -3 5517
39		9.2A	47	27.979	0.0000	12	-5 49	51.62	0.014	12	0.25	27.979	16	33.6	51.85	16	33.6	K0	16	8132	A -6 6078
40		8.7G	47	37.680	0.0013	09	-7 43	28.83	0.007	07	0.42	37.621	15	00.0	29.21	15	00.0	A3	GC	31852	-8 5961
41		8.7A	47	38.870	-0.0008	12	-5 52	5.79	0.009	12	0.25	38.883	16	33.6	5.93	16	33.6	K0	16	8134	A -6 6079
42		9.3A	47	40.792	0.0003	13	-1 41	44.55	-0.010	13	0.27	40.787	16	33.6	44.39	16	33.6	F8	F 17	7906	A -2 5832
43		8.8A	47	42.063	0.0006	13	-2 41	25.27	-0.023	13	0.27	42.053	16	33.6	24.90	16	33.6	K2	17	7907	A -3 5518
44		7.8A	47	55.056	-0.0041	12	-7 10	39.30	-0.114	12	0.25	55.124	16	33.6	37.42	16	33.6	G5	16	8135	A -7 5873
45		9.4A	48	3.103	0.0021	12	-8 13	37.20	-0.170	12	0.25	3.068	16	33.6	34.41	16	33.6	F8	16	8136	A -8 5963
46		7.8A	48	8.389	-0.0002	14	-0 50	35.66	0.009	20	0.29	8.392	17	36.5	35.78	17	36.5	A2	21	5731	A -1 4351
47		7.3T	48	9.979	-0.0016	08	-7 34	37.08	-0.007	06	0.41	10.061	17	99.4	36.65	17	92.9	K0	GC	31862	-8 5964
48		8.9A	48	10.675	0.0004	12	-7 14	15.64	-0.046	12	0.25	10.668	16	33.6	14.87	16	33.6	F8	16	8138	A -7 5877
49		9.1A	48	15.056	0.0003	11	-7 12	51.83	-0.070	11	0.23	15.051	16	33.6	50.69	16	33.6	F2	16	8139	A -7 5878
50		8.5A	48	35.148	-0.0003	12	-9 35	25.35	-0.006	12	0.25	35.153	16	33.6	25.26	16	33.6	K2	16	8140	A -10 6002
51		8.5A	22 48	35.241	0.0038	13	-1 42	46.48	0.018	13	0.27	35.179	16	33.6	46.78	16	33.6	F8	17	7908	A -2 5836
52		9.0A	48	38.667	0.0010	12	-8 33	58.97	0.013	12	0.25	38.651	16	33.6	59.19	16	33.6	K0	16	8141	A -9 6073
53		8.9A	48	40.685	-0.0002	11	-1 55	5.62	-0.004	11	0.23	40.688	16	33.6	5.56	16	33.6	F5	17	7909	A -2 5837
54		9.3A	48	42.831	0.0009	12	-8 55	24.19	-0.096	12	0.25	42.685	16	33.6	22.62	16	33.6	G5	16	8142	A -9 6074
55		9.1A	48	44.540	0.0009	12	-7 31	13.05	-0.028	12	0.25	44.525	16	33.6	12.60	16	33.6	K0	16	8143	A -8 5966
56		8.8A	48	48.016	-0.0007	09	-3 30	1.08	0.002	09	0.22	48.027	16	33.6	1.12	16	33.6	K5	17	7910	A -4 5775
57		9.2A	48	50.181	0.0009	13	-2 10	36.97	0.007	13	0.27	50.166	16	33.6	37.09	16	33.6	G8	F 17	7911	A -2 5839
58		7.8A	48	58.956	-0.0018	13	-2 4	42.61	-0.019	13	0.27	58.986	16	33.6	42.31	16	33.6	A0	17	7912	A -2 5840
59		9.2A	49	9.101	0.0019	12	-8 49	27.19	-0.022	12	0.25	9.071	16	33.6	26.83	16	33.6	K5	16	8144	A -9 6075
60		9.0A	49	50.918	0.0009	12	-7 12	56.44	-0.146	12	0.25	50.903	16	33.6	54.05	16	33.6	G5	16	8145	A -7 5882
61		8.8A	49	51.087	-0.0008	18	-9 48	33.69	0.018	20	0.35	51.099	18	33.6	33.99	16	33.6	K2	J 11	8042	A -10 6006
62		3.8H	50	0.375	0.0005	01	-7 50	46.15	0.039	01	0.04	0.356	02	10.9	47.76	02	09.2	M0	F4	864	-8 5968
63		7.8A	50	5.222	0.0006	12	-2 53	31.33	0.005	12	0.25	5.212	16	33.6	31.42	16	33.6	G5	17	7913	A -3 5521
64		9.0A	50	9.253	-0.0018	13	-1 36	59.49	-0.019	13	0.27	9.283	16	33.6	59.17	16	33.6	K0	17	7914	A -2 5843
65		9.1A	50	24.117	-0.0007	12	-8 24	20.81	-0.034	12	0.25	24.129	16	33.6	20.26	16	33.6	K2	16	8147	A -8 5972
66		9.2A	50	27.944	0.0004	13	-1 51	8.65	0.007	13	0.27	27.937	16	33.6	8.77	16	33.6	G2	F 17	7915	A -2 5845
67		9.1A	50	35.825	-0.0005	13	-1 53	36.55	0.003	13	0.27	35.833	16	33.6	38.61	16	33.6	K5	F 17	7917	A -2 5846
68		9.0A	50	35.938	-0.0011	12	-5 36	0.90	-0.004	12	0.25	35.955	16	33.6	0.83	16	33.6	K0	17	7916	A -6 6085
69		9.1A	50	47.398	0.0169	12	-9 21	33.88	0.007	12	0.25	47.121	16	33.6	34.00	16	33.6	K5	16	8149	A* -9 6077
70		9.0A	50	49.526	-0.0032	12	-5 36	42.71	-0.067	12	0.25	49.578	16	33.6	41.61	16	33.6	G0	17	7918	A -6 6086
71		6.8T	50	51.903	-0.0048	11	-6 15	13.17	-0.042	12	0.56	52.136	09	01.8	11.13	10	02.1	A2	GC	31919	-6 6087
72		8.3A	50	57.573	0.0091	13	-2 34	17.74	-0.028	13	0.27	57.425	16	33.6	17.29	16	33.6	G0	17	7919	A -3 5526
73		9.1A	50	57.736	-0.0010	14	-0 48	7.85	0.004	20	0.29	57.752	17	36.5	7.90	17	36.5	F5	21	5735	A -1 4354
74		8.4A	51	1.971	-0.0017	11	-6 22	30.40	0.003	11	0.23	1.999	16	33.6	30.45	16	33.6	K0	16	8152	A -6 6088
75		7.6T	51	8.799	0.0004	10	-4 55	24.48	0.014	09	0.53	8.777	15	94.9	25.25	15	95.5	K0	GC	31925	-5 5880
76		8.6A	51	10.204	0.0007	09	-7 39	21.82	0.012	09	0.22	10.192	16	33.6	22.02	16	33.6	K0	16	8153	A -8 5974
77		9.7A	51	24.898	0.0116	13	-1 48	39.07	-0.075	13	0.27	24.708	16	33.6	37.85	16	33.6	G8	F 17	7921	A -2 5848
78		8.9A	51	32.843	0.0010	12	-5 45	52.02	-0.007	12	0.25	32.826	16	33.6	51.90	16	33.6	K0	16	8154	A -6 6090
79		8.9A	51	35.220	0.0006	09	-4 42	1.31	0.001	09	0.22	35.209	16	33.6	1.32	16	33.6	K2	17	7922	A -5 5881
80		8.5A	51	42.487	-0.0050	09	-3 7	19.77	-0.149	09	0.22	42.568	16	33.6	17.34	16	33.6	G0	17	7923	A -3 5527
81		8.2A	51	43.850	0.0011	14	-1 18	55.16	-0.041	20	0.29	43.835	17	36.5	54.60	17	36.5	G5	21	5739	A -1 4355
82		6.3T	51	57.934	-0.0010	04	-7 28	15.22	-0.034	03	0.19	57.985	07	00.3	13.46	07	97.7	K0	GC	31942	B* -7 5886
83		9.3A	52	12.617	0.0034	12	-8 16	35.81	-0.014	12	0.25	12.561	16	33.6	35.59	16	33.6	A0	16	8156	A -8 5976
84		8.9A	52	18.396	-0.0002	12	-9 38	29.00	-0.011	12	0.25	18.399	16	33.6	28.82	16	33.6	M8	16	8157	A -10 6016
85		8.8A	52	23.425	0.0040	14	-1 3	4.10	-0.038	20	0.29	23.371	17	36.5	3.58	17	36.5	G0	21	5741	A -1 4357
86		9.0A	52	32.330	0.0008	14	-1 18	25.88	0.036	20	0.29	32.319	17	36.5	26.36	17	36.5	G0	21	5743K	A -1 4358
87		8.4A	52	33.162	0.0040	12	-7 48	23.16	-0.021	12	0.25	33.096	16	33.6	22.82	16	33.6	K0	16	8158	A -8 5979
88		5.9T	52	35.393	0.0021	04	-5 15	16.61	-0.001	04	0.22	35.288	07	99.3	16.55	06	00.7	G5	GC	31960K	B* -5 5885
89		7.8A	52	45.512	-0.0004	11	-5 57	23.33	0.029	11	0.23	45.519	16	33.6	23.80	16	33.6	K5	16	8159	A -6 6096
90		8.8A	52	48.182	0.0040	09	-1 36	30.59	0.031	09	0.22	48.116	16	33.6	31.11	16	33.6	F8	17	7925	A -2 5853
91		9.1A	52	54.328	-0.0025	13	-9 55	36.04	0.037	15	0.29	54.369	18	33.6	36.65	16	33.6	G0	J 11	8055	A -10 6019
92		8.3A	53	3.863	-0.0008	09	-3 6	32.43	-0.040	09	0.22	3.876	16	33.6	31.78	16	33.6	K2	17	7926	A -3 5530
93		8.6A	53	11.732	0.0380	12	-8 5	20.96	-0.058	12	0.25	11.109	16	33.6	20.01	16	33.6	G5	16	8161	A -8 5980
94		8.8A	53	17.727	0.0021	11	-6 45	23.93	-0.011	11	0.23	17.692	16	33.6	23.76	16	33.6	F8	16	8162	A -7 5891
95		9.2A	53	23.515	0.0007	12	-7 39	7.27	-0.011	12	0.25	23.503	16	33.6	7.10	16	33.6	G0	16	8163	A -8 5981
96		8.8A	53	44.123	-0.0032	09	-5 30	19.05	-0.033	09	0.22	44.175	16	33.6	18.51	16	33.6	F2	17	7927	A -6 6100
97		8.4A	53	44.471	-0.0002	12	-6 48	46.81	-0.021	12	0.25	44.474	16	33.6	46.47	16	33.6	G5	16	8164	A -7 5892
98		8.3A	54	8.257	0.0019	09	-3 47	39.04	-0.033	09	0.22	8.226	16	33.6	38.51	16	33.6	F8	17	7928	A -4 5791
99		9.0A	54	25.132	0.0020	14	-0 45	55.17	-0.001	20	0.29	25.106	17	36.5	55.15	17	36.5	G0	21	5748	A -1 4359
00		8.9A	54	28.488	0.0013	12	-7 4	59.31	-0.002	12	0.25	28.467	16	33.6	59.28	16	33.6	K0	16	8166	A -7 5895

146400

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	SOURCE CAT.	STAR NUMBER	DM NUMBER
1		9.0A	22 54 28.744	-0.0000	09	-3 4 59.81	-0.049	09	0.22	28.744	16	33.6	59.02	16	33.6	F8	17	7929	A -3 5534
2		6.6T	54 31.901	0.0022	07	-3 30 46.50	0.026	04	0.31	31.790	09	99.8	47.93	09	95.6	A0	GC	31993K	-4 5793
3		9.1A	54 41.207	0.0002	13	-1 41 4.91	-0.008	13	0.27	41.203	16	33.6	4.79	16	33.6	K5	17	7932	A -2 5857
4		6.4T	54 41.897	-0.0012	04	-5 4 39.49	0.007	03	0.20	41.960	06	99.1	39.86	06	95.4	G5	GC	31996	B* -5 5894
5		8.3A	54 50.921	0.0025	09	-3 25 24.34	-0.131	09	0.22	50.879	16	33.6	22.21	16	33.6	F8	17	7933	A -3 5536
6		8.9A	55 2.394	-0.0006	09	-3 26 59.19	-0.023	09	0.22	2.403	16	33.6	58.82	16	33.6	G5	17	7934	A -3 5538
7		9.6A	55 3.680	0.0045	12	-8 20 7.29	-0.070	12	0.25	3.605	16	33.6	6.15	16	33.6	G5	R 16	8167	A -8 5986
8		8.8A	55 7.712	0.0003	12	-6 51 11.24	-0.073	12	0.25	7.707	16	33.6	10.05	16	33.6	F5	16	8168	A -7 5897
9		8.9A	55 16.698	-0.0027	12	-5 48 13.29	-0.022	12	0.25	16.742	16	33.6	12.93	16	33.6	K0	16	8169	A -6 6108
10		8.0A	55 17.544	0.0019	13	-3 55 17.98	0.004	13	0.27	17.512	16	33.6	18.06	16	33.6	A2	17	7935	A -4 5795
11		8.6A	55 33.692	0.0048	12	-5 57 13.08	0.018	12	0.25	33.613	16	33.6	13.37	16	33.6	F0	16	8170	A -6 6110
12		6.2T	55 40.957	-0.0012	07	-2 39 46.79	-0.001	07	0.35	41.012	07	02.9	46.75	09	02.6	G5	GC	32015	-3 5539
13		9.3A	55 42.297	0.0020	13	-1 21 31.77	-0.038	13	0.27	42.264	16	33.6	31.14	16	33.6	K0	F 17	7937	A -1 4361
14		8.9A	55 47.127	0.0006	14	-0 50 21.54	-0.012	20	0.29	47.120	17	36.5	21.37	17	36.5	F2	21	5749K	A -1 4362
15		6.4T	55 49.126	0.0058	07	-1 40 41.23	-0.002	07	0.31	48.876	10	07.1	41.17	10	05.7	F2	GC	32018	-2 5858
16		8.8A	55 53.594	0.0008	11	-8 0 5.61	-0.006	11	0.23	53.580	16	33.6	5.51	16	33.6	K5	16	8171	A -8 5989
17		8.5Q	55 55.066	0.0011	09	-4 46 12.40	0.002	08	0.42	55.015	14	04.2	12.50	15	02.7	K5	GC	32020	-5 5897
18		9.2A	55 57.946	0.0009	11	-6 43 13.30	0.012	11	0.23	57.931	16	33.6	13.50	16	33.6	F2	16	8172	A -7 5898
19		8.7A	56 0.014	-0.0017	12	-5 56 30.63	0.003	12	0.25	0.042	16	33.6	30.68	16	33.6	K5	16	8174	A -6 6112
20		8.6A	56 3.973	0.0016	09	-4 1 18.04	-0.004	09	0.22	3.947	16	33.6	17.98	16	33.6	K2	17	7940	A -4 5796
21		7.7A	56 18.789	0.0026	14	-0 35 3.43	0.016	20	0.29	18.754	17	36.5	3.64	17	36.5	K0	21	5750	A -1 4364
22		8.7Q	56 23.266	0.0007	07	-8 28 53.54	0.007	06	0.33	23.234	09	02.9	53.91	09	01.0	A0	GC	32028	-8 5991
23		8.2A	56 34.245	-0.0004	14	-1 27 1.17	-0.013	20	0.29	34.251	17	36.5	0.99	17	36.5	F8	21	5751	A -1 4365
24		9.4A	56 37.078	0.0021	11	-8 45 38.74	-0.012	11	0.23	37.043	16	33.6	38.55	16	33.6	G5	16	8176	A -9 6096
25		9.3A	56 40.556	-0.0005	13	-2 32 20.94	-0.023	13	0.27	40.564	16	33.6	20.57	16	33.6	F2	F 17	7942	A -3 5543
26		8.9A	56 42.929	0.0004	11	-8 49 46.76	0.010	11	0.23	42.922	16	33.6	46.93	16	33.6	G0	16	8177	A -9 6097
27		9.0A	56 47.902	-0.0003	09	-3 43 52.23	0.008	09	0.22	47.906	16	33.6	52.37	16	33.6	K0	17	7943	A -4 5797
28		8.6A	56 53.101	0.0035	11	-6 52 31.71	-0.062	11	0.23	53.043	16	33.6	30.70	16	33.6	A2	16	8178	A -7 5902
29		8.2A	56 54.492	0.0004	11	-3 9 14.20	-0.005	11	0.23	54.485	16	33.6	14.12	16	33.6	K2	17	7944	A -3 5544
30		9.1A	56 56.587	-0.0009	14	-1 9 59.48	-0.060	20	0.29	56.599	17	36.5	58.66	17	36.5	F8	R 21	5753	A -1 4369
31		8.9A	57 4.937	-0.0029	12	-7 39 47.71	-0.029	12	0.25	4.985	16	33.6	47.24	16	33.6	F5	16	8179	A -8 5996
32		8.1T	57 6.133	-0.0009	06	-4 37 55.81	-0.030	04	0.33	6.183	12	93.5	53.92	14	86.9	F5	GC	32043K	B* -5 5903
33		8.8A	57 10.199	0.0004	12	-6 3 58.87	-0.062	12	0.25	10.192	16	33.6	57.85	16	33.6	G5	16	8180	A -6 6116
34		7.9Q	57 14.785	0.0036	10	-2 42 31.14	0.006	08	0.49	14.595	14	97.6	31.47	14	97.1	F5	GC	32046	-3 5545
35		9.1A	57 24.217	0.0002	13	-3 7 30.89	-0.018	13	0.27	24.213	16	33.6	30.60	16	33.6	K0	17	7947	A -3 5546
36		9.2A	57 38.470	0.0005	11	-2 32 56.03	-0.012	09	0.22	38.461	16	33.6	55.84	16	33.6	G5	17	7948	A -3 5549
37		9.0A	57 42.500	0.0024	09	-4 27 27.46	-0.050	09	0.22	42.461	16	33.6	26.65	16	33.6	G5	17	7949	A -2 5861
38		6.9T	57 43.247	0.0012	07	-9 8 55.84	-0.029	06	0.33	43.190	09	01.0	54.37	09	98.3	F2	GC	32057	-9 6100
39		9.2A	57 59.563	-0.0010	11	-7 20 17.08	0.008	11	0.23	59.580	16	33.6	17.22	16	33.6	G5	16	8182	A -7 5906
40		9.0A	58 1.527	-0.0002	09	-2 28 59.34	-0.011	09	0.22	1.531	16	33.6	59.17	16	33.6	M4	F 17	7950	A -2 5863
41		8.5A	58 2.730	0.0032	09	-4 49 17.63	-0.028	09	0.22	2.678	16	33.6	17.17	16	33.6	G5	17	7951	A -5 5905
42		9.0A	58 3.709	0.0021	14	-0 40 6.85	-0.017	20	0.29	3.681	17	36.5	6.61	17	36.5	K0	R 21	5755	A -1 4373
43		6.4T	58 4.009	0.0026	03	-0 4 58.82	0.020	02	0.14	3.885	05	02.8	59.80	05	00.8	K0	GC	32065	B* -0 4443
44		9.1A	58 10.649	0.0002	12	-3 49 53.77	0.017	12	0.25	10.645	16	33.6	54.04	16	33.6	F8	16	8183	A -6 6120
45		8.9A	58 26.644	0.0010	12	-5 57 53.99	-0.016	12	0.25	26.627	16	33.6	53.72	16	33.6	K2	16	8184	A -6 6121
46		7.8A	58 31.202	-0.0026	15	-9 49 18.21	-0.104	17	0.31	31.244	18	33.6	16.51	16	33.6	K0	J 11	8074	A -10 6038
47		6.4T	58 47.739	-0.0012	03	-7 19 48.12	-0.007	03	0.15	47.797	06	02.6	47.81	06	02.0	K2	GC	32079	B* -7 5910
48		9.0A	58 48.013	0.0013	09	-4 38 32.03	0.022	09	0.22	47.991	16	33.6	32.39	16	33.6	F8	17	7952	A -5 5909
49		8.3A	58 49.224	0.0009	14	-0 8 50.94	-0.004	20	0.29	49.212	17	36.5	50.88	17	36.5	A0	21	5759	A -0 4445
50		8.7A	58 55.140	0.0022	12	-5 48 12.89	0.022	12	0.25	55.103	16	33.6	13.25	16	33.6	K2	16	8186	A -6 6125
51		6.2T	22 58 56.438	0.0011	07	-4 58 50.00	0.014	05	0.29	56.384	07	01.7	50.72	07	99.0	K0	GC	32082	-5 5910
52		8.8A	58 59.067	-0.0023	09	-2 20 24.25	-0.002	09	0.22	59.105	16	33.6	24.21	16	33.6	K0	17	7954	A -2 5867
53		8.8A	59 1.546	-0.0065	09	-2 55 32.61	-0.059	09	0.22	1.653	16	33.6	31.65	16	33.6	F8	17	7955	A -3 5552
54		8.0A	59 9.921	0.0004	12	-7 13 45.73	-0.019	12	0.25	9.914	16	33.6	45.41	16	33.6	K0	16	8187	A -7 5911
55		9.5A	59 14.325	-0.0007	11	-1 47 59.78	0.004	11	0.23	14.336	16	33.6	59.86	16	33.6	K2	F 17	7957	A -2 5868
56		7.6T	59 15.270	0.0267	10	-4 6 54.18	-0.217	11	0.55	13.910	14	99.1	43.45	14	00.5	K0	GC	32089	B* -4 5804
57		8.3A	59 18.586	0.0006	12	-6 14 6.09	-0.039	12	0.25	18.577	16	33.6	5.45	16	33.6	G5	16	8188	A -6 6127
58		7.8A	59 20.770	-0.0001	13	-2 57 17.59	-0.001	13	0.27	20.771	16	33.6	17.58	16	33.6	K5	17	7958	A -3 5553
59		9.0A	59 28.329	0.0025	14	-1 28 42.76	-0.005	20	0.29	28.296	17	36.5	42.69	17	36.5	G5	21	5762	A -1 4376
60		9.0A	59 30.993	-0.0015	11	-4 7 10.63	0.004	11	0.23	31.017	16	33.6	10.70	16	33.6	K0	17	7961	A -4 5808
61		9.2A	59 31.569	0.0064	09	-5 13 8.82	-0.022	09	0.22	31.464	16	33.6	8.46	16	33.6	F8	17	7960	A -5 5911
62		8.7A	59 35.058	0.0019	11	-7 59 35.61	-0.034	11	0.23	35.028	16	33.6	35.06	16	33.6	F0	16	8189	A -8 6003
63		9.3A	59 45.954	0.0009	09	-5 13 14.39	0.009	09	0.22	45.940	16	33.6	14.53	16	33.6	K5	17	7962	A -5 5912
64		8.0A	59 52.395	0.0004	14	-0 52 1.42	-0.032	20	0.29	52.590	17	36.5	0.98	17	36.5	K5	21	5766	A -1 4379
65		6.5T	59 56.808	-0.0005	03	-6 50 34.38	-0.033	03	0.18	56.834	07	00.0	32.61	07	95.9	M0	GC	32102	B* -7 5913
66		8.8A	23 0 2.271	0.0013	12	-5 59 55.14	0.008	12	0.25	2.249	16	33.6	55.26	16	33.6	F2	16	8191	A -6 6129
67		9.4A	0 2.563	0.0012	09	-4 15 35.27	0.010	09	0.22	2.544	16	33.6	35.44	16	33.6	K2	F 17	7963	A -4 5809
68		9.4A	0 9.364	0.0019	12	-8 5 36.50	-0.024	12	0.25	9.333	16	33.6	36.09	16	33.6	F8	R 16	8192	A -8 6005
69		9.0A	0 10.057	0.0018	09	-2 43 59.15	-0.006	09	0.22	10.028	16	33.6	59.06	16	33.6	K0	17	7964	A -3 5557
70		9.2A	0 11.337	0.0023	14	-0 50 11.93	-0.008	20	0.29	11.307	17	36.5	11.81	17	36.5	K0	R 21	5768	A -1 4380
71		9.0A	0 17.303	0.0001	14	-0 34 40.60	-0.036	20	0.29	17.302	17	36.5	40.11	17	36.5	F5	R 21	5769	A -1 4381
72		9.2A	0 22.652	0.0009	12	-6 37 33.14	-0.029	12	0.25	22.638	16	33.6	32.67	16	33.6	K0	16	8193	A -7 5918
73		9.0A	0 23.680	0.0006	11	-4 5 19.00	0.006	11	0.23	23.669	16	33.6	19.10	16	33.6	K2	17	7965	A -4 5811
74		9.0A	0 25.679	-0.0056	12	-6 6 40.16	-0.069	12	0.25	25.771	16	33.6	39.02	16	33.6	G0	16	8194	A -6 6133
75		8.9A	0 28.334	-0.0004	15	-9 50 25.12	-0.003	17	0.31	28.340	18	33.6	25.08	16	33.6	A5	J 11	8088	A -10 6045
76		9.1A	0 33.554	0.0007	12	-6 0 36.45	0.013	12	0.25	33.542	16	33.6	36.66	16	33.6	A2	16	8195	A -6 6134
77		7.7Q	0 34.572	-0.0059	08	-0 41 48.59	-0.174	10	0.44	34.852	09	02.4	40.28	09	02.3	G5	GC	32117	-1 4382
78		9.0A	0 59.315	0.0002	09	-2 49 41.57	-0.014	09	0.22	59.512	16	33.6	41.35	16	33.6	F0	17	7966	A -3 5559
79		9.2A	1 3.365	0.0079	14	-0 31 50.10	-0.098	20	0.29	3.258	17	36.5	48.77	17	36.5	K2	R 21	5771	A -1 4383
80		9.1A	1 16.605	-0.0000	12	-5 42 52.64	-0.085	12	0.25	16.605	16	33.6	51.24	16	33.6	F5	16	8196	A -6 6138
81		8.5A	1 18.896	-0.0017	11	-8 19 41.14	-0.014	11	0.23	18.924	16	33.6	40.92	16	33.6	K0	16	8197	A -8 6009
82		6.6T	1 20.997	0.0212	10	-5 3 55.02	0.032	09	0.48	19.960	09	01.0	56.61	09	99.8	G0	GC	32136	-5 5917
83		9.1A	1 28.823	0.0037	14	-1 20 38.34	-0.020	20	0.29	28.774	17	36.5	38.06	17	36.5	F0	R 21	5773	A -1 4385
84		9.1A	1 33.562	0.0021	14	-1 25 12.66	0.017	20	0.29	33.534	17	36.5	12.88	17	36.5	G0	R 21	5774	A -1 4386
85		8.8A	1 35.583	-0.0003	12	-6 35 4.13	-0.012	12	0.25	35.589	16	33.6	3.92	16	33.6	K2	16	8198	A -7 5924
86		8.5A	1 37.604	0.0051	12	-6 2 36.89	0.012	12	0.25	37.521	16	33.6	37.08	16	33.6	F5	16	8199	A -6 6139
87		8.8A	1 43.948	0.0040	13	-2 10 12.05	0.022	13	0.27	43.883	16	33.6	12.42	16	33.6	G0	17	7969	A -2 5876
88		8.0A	1 47.179	-0.0020	12	-6 57 33.06	-0.033	12	0.25	47.212	16	33.6	32.52	16	33.6	K0	16	8200	A -7 5925
89		8.6A	1 52.299	0.0002	12	-6 26 56.67	-0.018	12	0.25	52.296	16	33.6	56.37	16	33.6	K0	16	8201	A -6 6140
90		9.1A	1 53.666	0.0010	14	-0 48 23.13	-0.030	20	0.29	53.653	17	36.5	22.72	17	36.5	K5	R 21	5775	A -1 4387
91		9.1A	1 57.029	0.0016	12	-7 59 47.67	-0.036	12	0.25	57.003	16	33.6	47.07	16	33.6	F0	16	8202	A -8 6012
92		9.0A	2 2.707	-0.0005	12	-5 46 19.33	-0.024	12	0.25	2.716	16	33.6	18.93	16	33.6	K2	16	8203	A -6 6141
93		8.9A	2 3.947	0.0024	13	-3 45 52.11	0.000	13	0.27	3.908	16	33.6	52.12	16	33.6	G0	17	7970	A -4 5815
94		8.7A	2 11.850	0.0009	09	-5 25 38.07	-0.001	09	0.22	11.836	16	33.6	38.05	16	33.6	K5	17	7971	A -5 5921
95		9.1A	2 12.042	-0.0016	12	-6 53 37.52	-0.012	12	0.25	12.069	16	33.6	37.31	16	33.6	G5	16	8204	A -7 5926
96		8.6A	2 25.200	-0.0019	18	-9 51 12.54	-0.018	20	0.35	25.231	18	33.6	12.25	16	33.6	F0	J 11	8097	A -10 6052
97		9.3A	2 28.406	0.0002	14	-1 28 11.19	-0.013	20	0.29	28.403	17	36.5	11.01	17	36.5	K5	R 21	5778	A -1 4389
98		5.6T	2 33.367	0.0085	02	-7 57 50.40	0.015	02	0.11	32.965	04	02.6	51.20	04	98.4	F0	GC	32153K	B* -8 6018
99		9.0A	2 36.685	0.0011	17	-5 31 4.33	-0.008	17	0.31	36.667	16	33.6	4.19	16	33.6	F5	17	7973	A -6 6142
00		7.5T	2 42.418	0.0010	05	-8 1 29.15	0.002	04	0.23	42.373	10	03.6	29.28	10	96.8	K0	GC	32160	B* -8 6019

146500			EPOCH 1950									ORIGINAL EPOCH						SP.	SOURCE		- 00 23H
NUMBER	MAGNITUDES m_{pg}	m_v	α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.		CAT.	STAR NUMBER	DM NUMBER
1		8.6A	23 2 52.173	-0.0001	12	-7 26 0.86	-0.043	12	0.25	52.175	16	33.6	0.16	16	33.8	KO	16	8209	A -7 5931
2		9.2A	2 56.850	-0.0086	12	-8 22 4.84	0.001	12	0.25	56.892	16	33.6	4.86	16	33.6	G5	16	8210	A -8 6020
3		9.2A	3 12.335	-0.0016	14	-0 47 23.71	-0.020	20	0.29	12.357	17	36.5	23.43	17	36.5	K0 R	21	5781	A -1 4390
4		8.8A	3 15.049	0.0068	12	-9 10 7.30	-0.087	12	0.25	14.936	16	33.6	6.86	16	33.6	G0	16	8211	A -9 6116
5		6.9T	3 16.432	0.0008	04	-8 12 24.77	0.003	03	0.20	16.395	10	02.2	24.98	09	89.6	A0	GC	32175	B* -8 6021
6		9.3A	3 16.940	0.0008	11	-8 2 0.08	-0.029	11	0.23	16.927	16	33.6	59.81	16	33.6	G5 R	16	8213	A -8 6022
7		9.1A	3 24.626	0.0008	09	-2 21 28.92	-0.002	09	0.22	24.613	16	33.6	28.90	16	33.6	A5 F	17	7975	A -2 5903
8		8.9A	3 33.354	-0.0008	17	-9 39 25.28	0.031	18	0.33	33.368	16	33.6	25.80	16	33.6	F3 J	11	8101	A -10 6056
9		7.3A	3 40.388	0.0058	17	-9 52 33.04	-0.082	18	0.33	40.302	18	33.6	31.70	18	33.6	K0 J	11	8103	A -10 6058
10		8.8A	3 48.432	-0.0016	12	-7 5 47.12	-0.023	12	0.25	48.458	16	33.6	46.75	16	33.6	K2	16	8214	A -7 5932
11		8.8A	3 49.672	0.0051	11	-9 1 10.63	-0.109	11	0.23	49.588	16	33.6	8.85	16	33.6	G5	16	8215	A -9 6117
12		8.7A	3 57.981	-0.0070	11	-8 54 52.81	-0.098	11	0.23	58.086	16	33.6	51.21	16	33.6	F8	16	8216	A -9 6118
13		9.0G	3 59.451	-0.0147	11	-0 27 58.35	-0.022	10	0.54	0.155	14	02.1	57.24	14	00.3	K0	GC	32181	-10 4461
14		8.6A	4 6.551	0.0081	09	-4 28 15.65	-0.022	09	0.22	6.417	16	33.6	15.30	16	33.6	F2	17	7976K	A -4 5822
15		7.4T	4 35.742	0.0010	04	-7 57 52.95	-0.050	04	0.22	35.697	10	04.1	50.42	10	98.8	A0	GC	32198	B* -8 6025
16		8.4A	4 40.881	0.0025	12	-9 5 8.64	-0.076	12	0.25	40.840	16	33.6	7.40	16	33.6	K2	16	8218	A -9 6123
17		8.8A	5 4.605	-0.0003	15	-9 49 45.23	-0.040	17	0.31	4.610	18	33.6	44.58	16	33.6	G0 J	11	8108	A -10 6063
18		8.4A	5 5.712	-0.0031	15	-9 56 15.72	-0.038	17	0.31	5.762	18	33.6	15.10	16	33.6	F0 J	11	8109	A -10 6064
19		8.9A	5 6.218	0.0005	09	-2 22 34.39	-0.036	09	0.22	6.209	16	33.6	33.79	16	33.6	K0	17	7977	A -2 5906
20		8.9A	5 11.605	-0.0012	11	-5 21 54.10	0.014	11	0.23	11.625	16	33.6	54.32	16	33.6	F0	17	7978	A* -5 5931
21		7.3A	5 11.795	-0.0012	14	-0 34 0.73	-0.002	20	0.29	11.812	17	36.5	0.70	17	36.5	K0	21	5783	A -1 4393
22		8.5A	5 15.279	0.0011	12	-5 56 6.54	-0.002	12	0.25	15.260	16	33.6	6.50	16	33.6	K0	16	8220	A -6 6147
23		8.8A	5 19.523	-0.0007	09	-5 2 51.54	-0.013	09	0.22	19.534	16	33.6	51.32	16	33.6	F8	17	7979	A -5 5932
24		8.7A	5 47.167	0.0003	11	-7 32 16.48	-0.004	11	0.23	47.162	16	33.6	16.55	16	33.6	F0	16	8221	A -8 6030
25		8.7G	5 50.555	-0.0006	10	-9 16 49.22	-0.086	07	0.45	50.585	17	02.2	47.88	17	97.6	K5	GC	32229	-9 6128
26		7.3T	5 51.861	0.0059	12	-0 46 12.51	-0.030	09	0.60	51.540	12	95.8	10.74	12	92.1	F5	GC	32230	-1 4394
27		8.9A	6 4.130	0.0016	09	-5 3 0.86	-0.009	09	0.22	4.104	16	33.6	0.71	16	33.6	A5	17	7980	A -5 5935
28		9.0A	6 6.652	-0.0003	12	-8 37 18.24	-0.052	12	0.25	6.656	16	33.6	17.39	16	33.6	K0	16	8223	A -9 6130
29		9.2G	6 13.163	0.0019	11	-9 4 45.03	0.004	07	0.47	13.079	19	04.8	45.26	18	96.2	G5	GC	32235	-9 6131
30		8.5A	6 26.274	0.0015	09	-5 36 46.98	0.011	11	0.22	26.250	16	33.6	47.16	16	33.6	K0	17	7982	A -6 6152
31		9.1A	6 28.759	0.0158	09	-2 49 19.62	0.021	09	0.22	28.500	16	33.6	19.97	16	33.6	G0	17	7983	A -3 5575
32		8.0A	6 29.622	0.0011	11	-2 43 25.79	0.014	11	0.23	29.605	16	33.6	26.03	16	33.6	F5	17	7984	A -3 5576
33		8.3G	6 34.188	0.0419	12	-2 31 50.12	-0.094	12	0.55	32.399	14	07.3	45.78	17	03.7	K2	GC	32241	B* -3 5577
34		8.0G	6 35.835	-0.0026	07	-7 35 4.36	-0.027	05	0.38	35.973	17	97.4	2.69	15	86.3	K2	GC	32243K	B* -8 6054
35		9.0A	6 40.241	0.0015	11	-4 12 35.27	0.011	11	0.23	40.216	16	33.6	35.45	16	33.6	F8	17	7986	A -4 5830
36		8.8T	6 42.275	0.0068	10	-9 27 30.06	-0.015	09	0.53	41.927	14	98.5	29.28	12	96.5	G0	GC	32245	-9 6133
37		9.2G	6 53.099	0.0087	12	-9 5 53.13	-0.037	07	0.45	52.743	17	08.9	51.39	17	02.5	G5	GC	32248K	B* -9 6134
38		8.5A	7 1.977	-0.0005	09	-4 14 1.51	-0.006	09	0.22	1.985	16	33.6	1.42	16	33.6	F0	17	7987K	A -4 5833
39		8.6A	7 13.220	0.0009	12	-7 21 42.11	0.012	12	0.25	13.205	16	33.6	42.31	16	33.6	G0	16	8229	A -7 5943
40		9.0A	7 31.288	0.0032	11	-8 25 35.62	0.006	11	0.23	31.236	16	33.6	35.72	16	33.6	F8	16	8231	A -8 6038
41		7.7G	7 48.433	0.0097	20	-8 4 54.55	-0.135	18	0.88	47.989	09	04.1	48.29	09	03.5	G0	GC	32279	-8 6040
42		8.9A	8 1.139	-0.0032	09	-5 15 45.98	-0.027	09	0.22	1.192	16	33.6	45.54	16	33.6	F5	17	7988	A -5 5939
43		7.0T	8 4.226	-0.0001	04	-6 13 55.32	-0.001	04	0.22	4.232	07	03.3	55.25	09	01.6	B8	GC	32284	-6 6157
44		8.9A	8 13.744	-0.0008	09	-3 47 9.11	-0.007	09	0.22	13.756	16	33.6	9.00	16	33.6	K2	17	7989	A -4 5837
45		8.9A	8 16.926	-0.0038	12	-8 53 41.92	-0.022	12	0.25	16.988	16	33.6	41.56	16	33.6	F8	16	8234	A -9 6138
46		9.3A	8 17.139	0.0001	12	-7 54 43.33	-0.036	12	0.25	17.137	16	33.6	42.74	16	33.6	K0 R	16	8235	A -8 6043
47		9.1A	8 33.911	-0.0005	11	-9 28 41.35	-0.018	11	0.23	33.919	16	33.6	41.06	16	33.6	K5	16	8236	A -9 6139
48		9.0A	8 34.233	-0.0005	09	-4 35 27.84	0.012	09	0.22	34.220	16	33.6	38.04	16	33.6	F0	17	7990	A -4 5844
49		9.2A	8 37.502	-0.0006	14	-1 32 21.16	-0.035	20	0.29	37.511	17	36.5	20.69	17	36.5	A3	21	5788	A -1 4398
50		8.5A	8 42.025	0.0015	09	-5 22 14.40	0.008	09	0.22	42.001	16	33.6	14.53	16	33.6	K0	17	7992	A -5 5945
51		8.3A	23 9 2.530	0.0017	11	-3 22 21.14	0.007	11	0.23	2.506	16	33.6	21.26	16	33.6	K2	17	7993	A -3 5584
52		9.0A	9 7.372	-0.0003	14	-1 24 23.62	-0.016	20	0.29	7.377	17	36.5	23.40	17	36.5		21	5789	A -1 4401
53		9.1A	9 7.922	0.0012	09	-1 56 51.39	-0.024	09	0.22	7.902	16	33.6	51.01	16	33.6	K2 F	17	7995	A -2 5902
54		8.5A	9 11.527	0.0027	14	-0 2 54.29	-0.010	20	0.29	11.491	17	36.5	54.15	17	36.5	F8	21	5790	A -0 4476
55		9.3A	9 16.377	-0.0019	09	-5 5 25.43	-0.016	09	0.22	16.408	16	33.6	25.17	16	33.6	K5 F	17	7996	A -5 5946
56		8.6A	9 18.795	-0.0007	12	-9 17 34.52	-0.107	12	0.25	18.807	16	33.6	32.77	16	33.6	F8	16	8238	A -9 6142
57		8.8A	9 30.786	-0.0012	09	-2 25 10.90	0.000	09	0.22	30.806	16	33.6	10.91	16	33.6	K2 F	17	7997	A -2 5903
58		8.8A	9 35.631	-0.0001	14	-0 28 9.59	-0.014	20	0.29	35.633	17	36.5	9.40	17	36.5	K5 R	21	5791	A -0 4478
59		8.3A	9 36.210	0.0022	09	-4 12 33.84	0.037	09	0.22	38.173	16	33.6	34.46	16	33.6	K0	17	7998	A -4 5841
60		8.7A	9 36.525	0.0020	09	-2 19 7.12	-0.009	09	0.22	36.491	16	33.6	6.98	16	33.6	A3	17	7999	A -2 5904
61		8.9A	9 52.084	-0.0001	12	-8 33 7.40	0.005	12	0.25	52.086	16	33.6	7.49	16	33.6	G5	16	8239	A -9 6145
62		9.0A	10 18.108	-0.0005	12	-7 13 25.07	0.016	12	0.25	18.116	16	33.6	25.37	16	33.6	K5 R	16	8240	A -7 5957
63		7.0T	10 22.289	0.0026	07	-9 50 33.36	-0.015	05	0.33	22.136	07	98.2	32.53	07	93.4	K0	GC	32317	-10 6082
64		9.0A	10 24.647	-0.0012	14	-1 4 2.15	-0.033	20	0.29	24.664	17	36.5	1.70	17	36.5	K2 R	21	5792	A -1 4405
65		7.9A	10 26.527	0.0004	14	-0 14 28.81	0.009	20	0.29	26.522	17	36.5	28.92	17	36.5	G5	21	5793	A -0 4483
66		8.7A	10 31.099	0.0006	14	-0 42 24.51	0.010	20	0.29	31.091	17	36.5	24.64	17	36.5	K0	21	5794	A -1 4406
67		8.8A	10 38.261	-0.0019	09	-2 20 4.53	-0.014	09	0.22	38.282	16	33.6	4.31	16	33.6	F8 F	17	8000	A -2 5907
68		8.4A	10 46.399	-0.0042	11	-8 15 32.54	0.067	11	0.23	46.468	16	33.6	33.64	16	33.6	K0	16	8241	A -8 6054
69		9.2A	10 49.262	-0.0014	11	-6 7 28.89	-0.053	11	0.23	49.140	16	33.6	28.02	16	33.6	G5 R	16	8242	A -6 6167
70		8.0A	10 51.585	-0.0006	12	-9 10 49.30	0.026	12	0.25	51.592	16	33.6	49.73	16	33.6	F0	16	8243K	A -9 6146
71		9.0A	10 55.008	0.0000	12	-6 35 52.82	-0.014	12	0.25	55.008	16	33.6	52.60	16	33.6	K2 R	16	8244	A -7 5959
72		9.1A	10 59.591	0.0026	09	-2 15 37.83	-0.008	09	0.22	59.551	16	33.6	37.71	16	33.6	K0 F	17	8001	A -2 5910
73		9.0A	11 4.557	0.0000	09	-4 5 11.89	-0.003	09	0.22	4.556	16	33.6	11.84	16	33.6	K2 F	17	8002	A -4 5844
74		8.9A	11 6.821	0.0032	09	-3 56.13	-0.003	12	0.25	6.769	16	33.6	56.08	16	33.6	K0	16	8245	A -9 6147
75		9.2A	11 7.815	-0.0001	12	-6 34 16.99	0.004	12	0.25	7.816	16	33.6	17.06	16	33.6	G0 R	16	8246	A -7 5960
76		9.2A	11 19.595	-0.0045	09	-4 4 39.30	-0.067	09	0.22	19.688	16	33.6	38.20	16	33.6	G2 F	17	8003	A -4 5845
77		8.3G	11 29.637	0.0374	05	-9 11 46.94	-0.036	04	0.24	27.844	09	02.0	45.00	09	95.7	G0	GC	32342K	B* -9 6149
78		9.1G	11 29.718	0.0375	10	-9 12 11.11	-0.008	09	0.49	27.876	15	00.8	10.71	14	96.7	G0	GC	32343K	B* -9 6150
79		8.5A	11 31.940	0.0026	12	-8 39 32.41	-0.063	12	0.25	31.898	16	33.6	31.38	16	33.6	G5	16	8249	A -9 6151
80		7.2T	11 32.008	-0.0018	07	-2 54 25.99	-0.016	05	0.32	32.100	09	98.1	25.12	09	94.2	A2	GC	32345K	-3 5592
81		8.7A	11 35.754	0.0043	12	-9 12 38.80	-0.016	12	0.25	35.683	16	33.6	38.54	16	33.6	G5	16	8250	A -9 6152
82		9.0A	11 37.942	-0.0006	14	-0 32 33.69	-0.017	20	0.29	37.950	17	36.5	33.45	17	36.5	K5 R	21	5796	A -1 4407
83		9.0A	11 38.835	0.0001	11	-7 5 54.25	-0.015	11	0.23	38.833	16	33.6	54.01	16	33.6	K0 R	16	8251	A -7 5963
84		9.1A	11 42.188	-0.0010	09	-7 57 12.03	-0.024	09	0.22	42.184	16	33.6	11.62	16	33.6	G0	16	8252	A -8 6059
85		4.4H	11 43.976	0.0025	01	-6 19 7.92	-0.192	01	0.04	43.880	02	12.1	0.30	02	10.4	M0	F4	1607	-6 6170
86		8.8A	12 0.117	0.0042	11	-6 23 23.17	-0.022	12	0.24	0.048	16	33.6	22.80	16	33.6	K0	16	8254	A -6 6171
87		8.1A	12 5.502	0.0081	15	-9 57 38.25	-0.023	17	0.31	5.401	18	33.6	37.88	16	33.6	A3 J	11	8139	A -10 6086
88		8.9A	12 7.844	0.0046	09	-2 20 49.35	0.001	09	0.22	7.769	16	33.6	49.38	16	33.6	F2	17	8005	A -2 5913
89		7.7A	12 14.064	0.0003	11	-7 58 32.10	-0.028	11	0.23	14.058	16	33.6	31.64	16	33.6	MA	16	8255	A -8 6065
90		8.8A	12 20.763	0.0010	14	-1 19 43.52	-0.032	20	0.29	20.750	17	36.5	43.08	17	36.5	G5	21	5797	A -1 4409
91		8.0A	12 37.675	-0.0007	12	-6 23 40.07	0.028	12	0.25	37.687	16	33.6	40.53	16	33.6	G5	16	8257	A -6 6174
92		8.2A	12 45.228	-0.0016	09	-4 48 23.43	-0.031	09	0.22	45.254	16	33.6	22.92	16	33.6	F2	17	8008	A -5 5957
93		5.5T	12 59.676	-0.0010	04	-3 46 9.24	0.002	03	0.17	59.720	06	04.9	9.34	06	04.4	A2	GC	32369	-4 5852
94		9.0A	13 3.751	0.0060	11	-3 58 52.87	-0.037	11	0.23	3.653	16	33.6	52.27	16	33.6	G0	17	8010	A -4 5853
95		8.9A	13 5.845	0.0001	12	-5 58 12.15	-0.030	12	0.25	5.843	16	33.7	11.66	16	33.7	F5	16	8258	A -6 6177
96		9.0G	13 13.899	0.0257	07	-9 21 4.37	-0.006	11	0.47	12.644	17	01.1	4.09	17	01.3	K	GC	32373K	B* -9 6155
97		9.2A	13 16.193	0.0005	14	-0 18 47.32	-0.019	20	0.29	16.186	17	36.5	47.07	17	36.5	G0 R	21	5799	A -0 4489
98		4.9H	13 18.342	0.0249	01	-9 21 37.71	-0.012	01	0.05	15.443	03	13.9	37.22	03	11.1	K0	F4	1608	-9 6156
99		8.7A	13 21.350	0.0000	12	-7 9 37.25	-0.006	12	0.25	21.350	16	33.7	37.16	16	33.7	K0	16	8261	A -7 5973
00		7.1T	13 24.098	0.0016	10	-1 41 47.78	0.012	10	0.50	24.019	09	01.3	48.40	09	00.8	K0	GC	32377	-2 5914

146600

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	EPOCH 1950 μ s	EPOCH 1950 σ_μ ,,.001	EPOCH 1950 δ_{1950} ° ′ ″	EPOCH 1950 μ' ″	EPOCH 1950 $\sigma_{\mu'}$,,.001	EPOCH 1950 σ_{1950} ″	ORIGINAL EPOCH α_2 s	ORIGINAL EPOCH σ ,,.01	ORIGINAL EPOCH ep.	ORIGINAL EPOCH δ_2 ″	ORIGINAL EPOCH σ' ,,.01	ORIGINAL EPOCH ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	DM NUMBER
1		9.0A	23 13 37.925	-0.0004	09	-3 24 53.22	-0.038	09	0.22	37.932	16	33.6	52.61	16	33.6	G0	17	8012	A -3 5600
2		8.6A	13 44.364	-0.0006	15	-9 48 56.30	0.045	17	0.31	44.374	18	33.6	57.04	16	33.6	A3 J	11	8150	A -10 6088
3		8.8A	13 51.559	-0.0005	12	-8 25 53.44	-0.048	12	0.25	51.567	16	33.7	52.66	16	33.7	F8	16	8262	A -8 6073
4		9.2A	13 59.054	-0.0013	14	-1 0 20.73	-0.007	20	0.29	59.072	17	36.5	20.63	17	36.5	K5 R	21	5801	A -1 4412
5		7.7Q	14 0.637	0.0119	07	-1 51 33.20	0.029	04	0.32	0.070	14	02.4	34.89	12	92.9	G5	GC	32395K	B* -2 5917
6		8.7A	14 3.377	0.0009	12	-7 17 29.53	0.061	12	0.25	3.362	16	33.7	30.53	16	33.7	F8	16	8263	A -7 5974
7		8.8A	14 3.410	-0.0001	12	-6 14 49.55	-0.004	12	0.25	3.411	16	33.7	49.48	16	33.7	G5	16	8264	A -6 6178
8		9.4A	14 8.530	-0.0005	12	-8 28 16.15	0.008	12	0.25	8.538	16	33.7	16.29	16	33.7	G5	16	8265	A -8 6074
9		7.9A	14 9.588	0.0044	11	-2 6 9.80	-0.045	11	0.23	9.516	16	33.6	9.07	16	33.6	K0	17	8014	A -2 5918
10		9.0A	14 10.349	0.0006	12	-7 51 39.92	-0.012	12	0.25	10.339	16	33.7	39.72	16	33.7	K2	16	8266	A -8 6075
11		8.8A	14 10.617	-0.0007	11	-4 29 48.27	-0.034	11	0.23	10.628	16	33.6	47.72	16	33.6	F8	17	8015	A -5 5959
12		5.1T	14 15.451	-0.0013	03	-7 59 58.34	-0.011	02	0.15	15.520	07	97.9	57.72	06	91.8	MB	GC	32401	B* -8 6076
13		8.6A	14 16.480	0.0007	11	-8 21 6.86	-0.006	11	0.23	16.469	16	33.7	6.77	16	33.7	K0	16	8268	A -8 6077
14		6.7T	14 23.242	0.0085	14	-7 26 4.13	0.057	12	0.77	22.769	17	94.2	7.42	17	92.8	F0	GC	32407	-7 5975
15		7.8A	14 40.323	-0.0018	13	-4 42 30.25	-0.041	13	0.27	40.352	16	33.6	29.58	16	33.6	K2	17	8016	A -5 5961
16		9.0A	15 0.958	0.0028	12	-8 12 24.12	-0.012	12	0.25	0.913	16	33.7	23.92	16	33.7	K0	16	8270	A -8 6081
17		8.2Q	15 2.641	0.0170	11	-1 47 37.50	-0.083	11	0.60	1.750	15	97.6	33.14	15	97.1	G5	GC	32420K	B* -2 5920
18		8.9A	15 8.969	0.0037	12	-8 37 24.76	0.000	12	0.25	8.908	16	33.7	24.76	16	33.7	G5	16	8271	A -9 6159
19		8.3A	15 11.983	0.0008	12	-7 48 57.74	-0.007	12	0.25	11.970	16	33.7	57.63	16	33.7	K2	16	8273	A -8 6082
20		4.6T	15 18.318	0.0012	02	-9 27 20.71	-0.008	02	0.15	18.252	06	93.1	20.26	06	90.0	B5	GC	32429	B* -9 6160
21		8.5A	15 18.900	-0.0002	11	-4 47 43.67	-0.010	11	0.23	18.903	16	33.6	43.51	16	33.6	F0	17	8018	A -5 5963
22		8.7A	15 20.765	0.0018	11	-5 47 24.20	0.016	11	0.23	20.735	16	33.7	24.45	16	33.7	F5	16	8275	A -6 6185
23		8.7A	15 22.007	-0.0019	13	-3 17 57.80	0.000	13	0.27	22.038	16	33.6	57.81	16	33.6	F8	17	8019	A -3 5607
24		9.0A	15 25.560	0.0062	09	-2 58 9.82	0.020	09	0.22	25.458	16	33.6	10.16	16	33.6	F5	17	8020	A -3 5609
25		8.5A	15 28.445	-0.0005	12	-7 34 43.77	0.000	12	0.25	28.454	16	33.7	43.78	16	33.7	F5	16	8276	A -8 6083
26		8.8A	15 34.561	0.0011	12	-7 39 7.55	0.004	12	0.25	34.542	16	33.7	7.62	16	33.7	K0	16	8277	A -8 6084
27		8.4A	15 42.635	0.0043	09	-2 8 42.50	-0.053	09	0.22	42.564	16	33.6	41.64	16	33.6	G5	17	8021	A -2 5923
28		9.3Q	15 43.863	-0.0022	18	-0 18 34.05	-0.050	20	0.85	43.959	18	06.1	31.84	18	06.0	A5	GC	32441	-0 4497
29		7.8A	15 46.746	-0.0020	12	-7 42 38.52	-0.040	12	0.25	46.779	16	33.7	37.87	16	33.7	K5	16	8278	A -8 6085
30		9.0A	15 47.663	-0.0001	12	-5 40 18.66	-0.030	12	0.25	47.665	16	33.7	18.16	16	33.7	G0	16	8279	A -6 6186
31		8.5A	15 53.133	0.0070	09	-2 10 15.52	-0.092	13	0.25	53.017	16	33.6	14.01	16	33.6	G0	17	8022	A -2 5925
32		8.9A	16 4.722	0.0006	11	-2 11 57.32	-0.011	11	0.23	4.711	16	33.6	57.15	16	33.6	F2	17	8023	A -2 5926
33		8.7A	16 9.005	-0.0015	11	-5 54 8.13	-0.008	11	0.23	9.029	16	33.7	8.00	16	33.7	F2	16	8280	A -6 6187
34		8.7A	16 15.874	0.0009	09	-5 22 24.27	0.026	09	0.22	15.860	16	33.6	24.69	16	33.6	K0	17	8024	A -5 5965
35		5.2H	16 21.648	0.0030	01	-9 53 3.68	0.003	01	0.05	21.544	03	15.1	3.79	03	12.6	A0	F4	1609	-10 6094
36		8.9A	16 24.419	-0.0038	12	-6 59 24.87	0.000	12	0.25	24.482	16	33.7	24.88	16	33.7	F8	16	8282K	A -7 5982
37		9.4A	16 25.668	-0.0000	12	-9 20 0.19	-0.004	12	0.25	25.668	16	33.7	0.13	16	33.7	A2	16	8283	A -9 6164
38		9.1A	16 28.860	0.0023	09	-2 53 38.25	0.028	09	0.22	28.822	16	33.6	38.72	16	33.6	K8 F	17	8025	A -3 5614
39		5.7T	16 48.401	0.0133	02	-5 23 52.39	-0.016	02	0.14	47.667	06	94.7	51.41	06	90.0	F2	GC	32468K	B* -5 5966
40		8.5A	17 3.128	0.0004	15	-9 57 1.24	0.010	17	0.31	3.121	18	33.6	1.41	16	33.6	G5 J	11	8165	A -10 6095
41		9.2A	17 10.197	0.0010	09	-1 50 55.07	-0.006	09	0.22	10.180	16	33.6	54.98	16	33.6	G8 F	17	8027	A -2 5932
42		9.2A	17 18.235	-0.0023	14	-0 44 13.46	-0.227	20	0.29	18.266	17	36.5	10.39	17	36.5	K0 R	21	5808	A -1 4417
43		9.0A	17 18.460	0.0001	09	-3 21 38.17	0.018	09	0.22	18.458	16	33.6	38.47	16	33.6	K2	17	8028	A -3 5619
44		9.2A	17 29.119	0.0001	09	-1 52 43.79	-0.019	09	0.22	29.117	16	33.6	43.47	16	33.6	K2 F	17	8029	A -2 5934
45		6.6T	17 40.303	0.0194	07	-4 11 29.12	-0.093	07	0.38	39.284	09	97.5	24.17	09	96.7	F2	GC	32489	-4 5868
46		8.9A	17 48.833	0.0022	09	-3 11 24.82	-0.008	09	0.22	48.797	16	33.6	24.70	16	33.6	F5	17	8031	A -3 5620
47		9.0A	17 49.538	-0.0099	09	-3 37 46.00	0.085	09	0.22	49.700	16	33.6	47.40	16	33.6	G0	17	8032	A -4 5870
48		9.4A	17 51.252	0.0024	14	-1 31 28.62	-0.066	20	0.29	51.220	17	36.5	27.74	17	36.5	K0 R	21	5809	A -2 5936
49		9.3A	17 59.721	-0.0006	12	-8 48 29.18	-0.049	12	0.25	59.731	16	33.7	28.38	16	33.7	G0	16	8285	A -9 6170
50		8.4A	18 3.160	0.0003	12	-9 11 37.18	0.014	12	0.25	3.154	16	33.7	37.41	16	33.7	A0	16	8286	A -9 6171
51		8.6A	23 18 3.250	0.0011	12	-6 43 30.51	0.000	12	0.25	3.232	16	33.7	30.52	16	33.7	K5	16	8287	A -7 5989
52		6.3T	18 6.212	-0.0070	05	-6 10 52.37	-0.053	05	0.26	6.565	07	99.8	49.65	07	99.1	G5	GC	32500	-6 6191
53		8.4A	18 7.965	-0.0003	12	-6 53 52.94	-0.007	12	0.25	7.971	16	33.7	52.83	16	33.7	A3	16	8289	A -7 5990
54		9.3A	18 26.155	-0.0036	12	-8 46 23.80	-0.164	12	0.25	26.213	16	33.7	21.13	16	33.7	K0	16	8290	A -9 6172
55		8.6A	18 30.017	0.0033	09	-5 2 39.54	-0.052	09	0.22	29.962	16	33.6	38.69	16	33.6	F8	17	8034	A -5 5972
56		7.7A	18 36.231	0.0028	12	-8 56 54.41	-0.003	12	0.25	36.185	16	33.7	54.37	16	33.7	A2	16	8291	A -9 6173
57		8.2A	18 39.453	-0.0016	12	-7 17 49.81	-0.012	12	0.25	39.480	16	33.7	49.62	16	33.7	F0	16	8292	A -7 5993
58		7.7A	18 40.275	0.0021	12	-6 27 59.96	-0.002	12	0.25	40.240	16	33.7	59.92	16	33.7	K0	16	8293	A -6 6193
59		6.7T	18 46.826	-0.0024	07	-4 56 47.77	-0.030	07	0.38	46.952	10	97.4	46.16	10	96.1	A0	GC	32513	-5 5973
60		8.7A	18 48.339	0.0013	11	-6 13 40.97	0.006	11	0.23	48.316	16	33.7	41.07	16	33.7	K0	16	8294	A -6 6194
61		9.2A	18 50.145	0.0017	09	-3 20 17.48	-0.010	09	0.22	50.118	16	33.6	17.32	16	33.6	K5 F	17	8037	A -3 5624
62		8.5A	18 57.409	0.0052	13	-1 54 9.82	-0.027	13	0.27	57.323	16	33.6	9.39	16	33.6	F8	17	8038	A -2 5942
63		8.9A	19 5.404	-0.0015	12	-8 21 48.56	0.008	12	0.25	5.428	16	33.7	48.70	16	33.7	F0	16	8295	A -8 6095
64		8.7A	19 18.331	-0.0019	11	-6 45 28.94	-0.022	11	0.23	18.362	16	33.7	28.59	16	33.7	F0	16	8296	A -7 5994
65		8.7A	19 29.998	-0.0001	09	-2 5 58.34	-0.048	09	0.22	29.999	16	33.6	57.56	16	33.6	G0	17	8039	A -2 5943
66		9.1A	19 40.312	0.0009	09	-8 19 48.79	-0.039	09	0.22	40.298	16	33.7	48.16	16	33.7	K0	16	8297	A -8 6096
67		8.8Q	19 49.164	-0.0130	11	-0 41 8.18	-0.241	11	0.50	48.608	14	07.3	57.51	14	05.8	K0	GC	32529	-1 4420
68		9.1A	19 50.003	-0.0097	12	-7 14 44.36	-0.086	12	0.25	50.161	16	33.7	42.96	16	33.7	G5	16	8298	A -7 5997
69		8.6A	19 50.209	-0.0081	12	-7 4 29.24	-0.105	12	0.25	50.342	16	33.7	27.53	16	33.7	G0	16	8299	A -7 5998
70		9.5A	19 53.807	-0.0009	14	-0 31 18.08	-0.016	20	0.29	53.819	17	36.5	17.86	17	36.5	F2 R	21	5811	A -1 4421
71		9.0A	19 54.902	0.0000	12	-7 30 49.06	-0.038	12	0.25	54.902	16	33.6	48.44	16	33.6	MA R	16	8300	A -8 6097
72		9.1A	19 59.699	-0.0011	14	-0 59 58.52	-0.037	20	0.29	59.715	17	36.5	58.01	17	36.5	G0 R	21	5812	A -1 4422
73		8.5A	20 5.054	-0.0018	14	-1 25 32.76	-0.019	20	0.29	5.079	17	36.5	32.50	17	36.5	K5	21	5813	A -1 4423
74		9.0A	20 9.793	0.0034	09	-1 44 43.92	-0.085	09	0.22	9.738	16	33.7	42.54	16	33.7	F8	17	8042	A -2 5944
75		9.2A	20 10.069	-0.0001	09	-4 37 20.89	0.001	09	0.22	10.070	16	33.7	20.91	16	33.7	K5 F	17	8041	A -5 5977
76		8.9A	20 14.610	-0.0036	09	-5 18 39.65	0.014	09	0.22	14.552	16	33.7	39.88	16	33.7	F2	17	8043	A -5 5978
77		8.5A	20 26.089	-0.0007	11	-6 52 11.81	-0.014	11	0.23	26.100	16	33.7	11.59	16	33.7	K0	16	8301	A -7 6001
78		8.1A	20 41.807	0.0019	15	-9 39 33.91	-0.011	17	0.31	41.776	18	33.6	33.73	16	33.6	F5 J	11	8177	A -10 6105
79		8.6A	20 48.623	-0.0000	14	-1 13 16.78	-0.014	20	0.29	48.623	17	36.5	16.58	17	36.5	K0	21	5814	A -1 4426
80		8.3A	20 48.655	0.0011	09	-3 29 22.81	-0.019	09	0.22	48.638	16	33.7	22.51	16	33.7	K2	17	8044	A -4 5879
81		8.9A	20 50.537	0.0160	12	-9 9 25.83	0.005	12	0.25	50.275	16	33.7	25.92	16	33.7	G0	16	8302	A -9 6181
82		8.2A	21 9.642	-0.0048	14	-1 9 29.63	-0.093	20	0.29	9.707	17	36.5	28.37	17	36.5	G5	21	5816	A -1 4427
83		7.2Q	21 9.925	-0.0002	05	-8 44 4.49	-0.017	04	0.30	9.938	14	93.8	3.47	12	88.6	K0	GC	32553K	B* -9 6183
84		9.1A	21 11.727	0.0002	09	-1 35 36.37	0.004	09	0.22	11.723	16	33.6	36.45	16	33.6	M5 R	17	8045	A -2 5947
85		9.0A	21 30.029	0.0052	09	-3 55 21.25	0.012	09	0.22	29.944	16	33.7	21.45	16	33.7	G8 F	17	8046	A -4 5881
86		7.9A	21 30.663	0.0109	11	-7 49 31.50	-0.002	11	0.23	30.485	16	33.7	31.47	16	33.7	G5	16	8304	A -8 6103
87		9.1A	21 35.602	-0.0079	11	-6 1 5.81	-0.040	11	0.23	35.730	16	33.7	5.15	16	33.7	G5	16	8305	A -6 6201
88		9.0A	21 50.244	0.0023	12	-8 27 35.58	0.018	12	0.25	50.207	16	33.7	35.88	16	33.7	K0	16	8306	A -8 6106
89		9.0A	21 51.754	0.0025	09	-5 28 25.60	0.013	09	0.22	51.712	16	33.7	25.81	16	33.7	G0	17	8047	A -5 5983
90		8.8A	21 51.929	0.0003	11	-7 14 11.97	0.015	11	0.23	51.923	16	33.7	12.21	16	33.7	K0	16	8307	A -7 6004
91		8.8A	21 56.952	0.0051	14	-1 14 45.74	0.008	20	0.29	56.884	17	36.5	45.84	17	36.5	K2 R	21	5819	A -1 4429
92		9.3A	22 3.424	0.0037	11	-9 10 23.27	-0.049	11	0.23	3.363	16	33.7	22.48	16	33.7	F8	16	8309	A -9 6184
93		7.8A	22 4.273	0.0120	09	-2 0 56.75	-0.019	09	0.22	4.077	16	33.7	56.43	16	33.7	G5	17	8048	A -2 5951
94		8.9A	22 13.264	0.0002	09	-5 19 15.70	-0.013	09	0.22	13.261	16	33.7	15.48	16	33.7	K0	17	8049	A -5 5985
95		9.0A	22 20.867	-0.0007	09	-2 17 35.77	-0.025	09	0.22	20.878	16	33.7	35.37	16	33.7	K2 F	17	8050	A -2 5952
96		8.9A	22 24.921	-0.0004	09	-5 29 10.78	-0.008	09	0.22	24.928	16	33.7	10.65	16	33.7	K0	17	8051	A -6 6204
97		9.0A	22 27.300	0.0144	09	-3 23 11.94	0.038	09	0.22	27.064	16	33.7	12.57	16	33.7	G3 F	17	8052	A -3 5631
98		8.8A	22 50.406	0.0002	14	-0 29 24.53	0.009	20	0.29	50.404	17	36.5	24.64	17	36.5	A2	21	5820	A -1 4431
99		9.3A	22 59.187	-0.0010	11	-6 17 5.51	0.033	11	0.23	59.203	16	33.7	6.05	16	33.7	F2	16	8312	A -6 6206
00		9.2A	23 1.570	-0.0079	12	-8 50 5.01	-0.081	12	0.25	1.699	16	33.7	3.69	16	33.7	K0	16	8313	A -9 6186

SOURCE DM NUMBER: - 0° 23H

146700 — 00 23H

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	EPOCH 1950 μ s	EPOCH 1950 σ_μ ″.001	EPOCH 1950 δ_{1950} ° ′ ″	EPOCH 1950 μ' ″	EPOCH 1950 $\sigma_{\mu'}$ ″.001	EPOCH 1950 σ_{1950} ″	ORIGINAL EPOCH α_2 s	ORIGINAL EPOCH σ ″.01	ORIGINAL EPOCH ep.	ORIGINAL EPOCH δ_2 ″	ORIGINAL EPOCH σ' ″.01	ORIGINAL EPOCH ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	DM NUMBER
1		9.1A	23 23 7.658	0.0004	09	-8 6 15.75	-0.014	09	0.22	7.651	16	33.7	15.53	16	33.7	K2	16	8314	A -8 6111
2		9.1A	23 13.112	0.0004	09	-5 22 27.92	-0.003	13	0.24	13.073	16	33.7	27.87	16	33.7	G0	17	8053	A -5 5989
3		9.2A	23 30.286	-0.0022	11	-7 24 43.22	-0.028	11	0.23	30.321	16	33.7	42.77	16	33.7	G5	16	8316	A -7 6011
4		8.7A	23 36.781	0.0003	14	-0 44 18.25	-0.005	20	0.29	36.777	17	36.5	18.18	17	36.5	G	21	5822	A -1 4434
5		9.2A	23 39.285	-0.0029	14	-0 46 49.87	0.001	20	0.29	39.325	17	36.5	49.88	17	36.5	K0 R	21	5823	A -1 4439
6		9.0A	23 56.039	0.0004	11	-4 54 40.33	-0.008	11	0.23	56.033	16	33.6	40.21	16	33.6	F5 R	17	8054	A -5 5992
7		7.3T	23 59.229	0.0036	13	-6 52 57.41	-0.018	10	0.58	59.096	09	01.6	56.93	09	00.8	K2	GC	32807	-7 6012
8		8.2A	24 4.560	0.0085	13	-5 30 27.20	0.012	13	0.27	4.425	16	33.7	27.39	16	33.7	F8	17	8055	A -6 6213
9		9.0A	24 4.585	0.0041	09	-5 16 18.92	0.043	09	0.22	4.518	16	33.7	19.62	16	33.7	K0	17	8056	A -5 5993
10		9.0A	24 19.498	0.0007	11	-3 11 6.25	-0.013	11	0.23	19.486	16	33.7	6.05	16	33.7	K2 F	17	8057	A -3 5638
11		9.3A	24 34.184	0.0013	14	-1 5 26.44	0.003	20	0.29	34.166	17	36.5	28.47	17	36.5	K2 R	21	5826	A -1 4438
12		7.6T	24 39.867	0.0098	12	-2 54 40.05	-0.084	13	0.60	39.425	09	03.0	36.16	10	03.5	K0	GC	32827	-3 5639
13		9.1A	24 49.789	0.0021	15	-9 40 45.04	-0.003	17	0.31	49.755	18	33.6	45.00	16	33.6	K0 J	11	8188	A -10 6115
14		9.3A	25 24.778	0.0011	12	-8 27 51.55	-0.021	12	0.25	24.760	16	33.7	51.21	16	33.7	K2	16	8319	A -8 6115
15		8.7A	25 28.131	0.0017	09	-1 44 37.13	0.003	09	0.22	28.103	16	33.7	37.19	16	33.7	A0	17	8059	A -2 5985
16		8.8A	25 31.269	0.0054	09	-2 44 5.20	0.010	09	0.22	31.181	16	33.7	5.37	16	33.7	G0	17	8060	A -3 5642
17		8.6A	25 34.035	0.0049	09	-2 43 25.60	0.018	09	0.22	33.956	16	33.7	25.90	16	33.7	F2	17	8061	A -3 5643
18		9.1A	25 35.394	-0.0001	11	-7 47 33.97	-0.046	09	0.22	35.395	16	33.6	33.22	16	33.6	G5 R	16	8320	A -8 6116
19		8.3A	25 41.957	0.0047	12	-6 5 37.04	0.012	12	0.25	41.881	16	33.7	37.23	16	33.7	F8	16	8321	A -6 6218
20		8.3A	25 52.858	-0.0008	09	-2 55 43.00	-0.012	09	0.22	52.871	16	33.7	42.81	16	33.7	K5	17	8062	A -3 5644
21		8.9A	25 58.971	0.0043	11	-8 48 13.87	-0.016	11	0.23	58.900	16	33.7	13.61	16	33.7	F5	16	8322	A -9 6197
22		9.1A	25 59.068	0.0014	14	-1 16 19.76	-0.005	20	0.29	59.079	17	36.5	19.69	17	36.5	F8 R	21	5830	A -1 4439
23		9.0A	26 4.103	0.0010	09	-4 33 30.62	-0.002	09	0.22	4.087	16	33.7	30.59	16	33.7	K2 F	17	8063	A -5 5996
24		7.1T	26 12.090	0.0002	12	-5 39 52.88	-0.007	12	0.70	12.081	18	95.8	52.48	18	96.1	K2	GC	32658	-6 6220
25		7.8A	26 12.675	-0.0095	14	-1 6 35.15	-0.116	20	0.29	12.804	17	36.5	33.58	17	36.5	F8	21	5831K	A -1 4440
26		8.7A	26 21.705	0.0030	12	-7 40 39.24	-0.015	12	0.25	21.657	16	33.7	39.00	16	33.7	G5	16	8324	A -8 6118
27		9.4A	26 23.349	0.0044	11	-6 54 39.09	-0.019	11	0.23	23.278	16	33.7	38.78	16	33.7	F8	16	8325	A -7 6025
28		9.8B	26 24.282	0.0054	09	-6 54 55.30	-0.031	05	0.42	24.030	18	02.9	53.49	17	90.7	F8	GC	32661	-7 6025
29		6.5T	26 25.460	-0.0036	07	-9 32 29.27	-0.022	06	0.34	25.645	09	99.1	28.13	09	97.2	K0	GC	32662	-10 6120
30		8.7A	26 28.077	-0.0003	09	-1 44 45.02	-0.012	09	0.22	28.082	16	33.7	44.83	16	33.7	K2	17	8064	A -2 5971
31		9.1A	26 47.132	0.0005	14	-1 19 49.64	-0.005	20	0.29	47.126	17	36.5	49.57	17	36.5	A5 R	21	5833	A -1 4442
32		8.5A	26 47.624	-0.0002	09	-3 52 15.94	0.010	09	0.22	47.627	16	33.7	16.11	16	33.7	A0	17	8066	A -4 5990
33		6.6T	26 52.962	-0.0010	03	-2 3 59.72	-0.017	03	0.18	53.013	07	98.0	58.63	07	96.0	K0	GC	32671	B* -2 5973
34		9.1A	26 53.702	0.0000	12	-8 5 8.98	-0.002	09	0.23	53.702	16	33.7	8.94	16	33.7	F8	16	8328	A -8 6119
35		7.1T	26 56.398	-0.0013	03	-1 18 40.25	-0.027	03	0.15	56.455	06	05.4	39.01	06	05.0	G0	GC	32672	B* -1 4443
36		6.4T	26 56.955	0.0120	03	-4 48 18.96	-0.225	03	0.17	56.340	06	98.8	6.95	06	96.6	K2	GC	32673	B* -5 5999
37		8.4A	27 1.432	0.0004	12	-7 6 40.73	0.012	12	0.25	1.426	16	33.7	40.93	16	33.7	G0	16	8329	A -7 6027
38		8.9A	27 4.245	0.0082	12	-8 56 41.16	0.021	12	0.25	4.110	16	33.7	41.50	16	33.7	G0	16	8330	A -9 6202
39		8.4A	27 4.359	-0.0036	12	-6 35 12.79	0.007	12	0.25	4.417	16	33.7	12.91	16	33.7	K0	16	8331	A -7 6028
40		8.7A	27 23.387	-0.0010	12	-6 32 21.73	-0.022	12	0.25	23.403	16	33.7	21.38	16	33.7	K0	16	8332	A -7 6029
41		9.0A	27 38.054	0.0049	09	-3 35 55.86	-0.024	09	0.22	37.973	16	33.7	55.47	16	33.7	G5	17	8070	A -4 5801
42		9.0A	27 38.385	-0.0023	12	-5 6 57.01	-0.035	12	0.25	38.422	16	33.7	56.44	16	33.7	F2	17	8071	A -5 6001
43		9.1A	27 43.198	0.0001	09	-3 15 54.38	-0.077	09	0.22	43.196	16	33.7	53.13	16	33.7	K2	17	8072	A -3 5649
44		9.0A	27 47.111	-0.0000	14	-0 27 12.48	-0.010	20	0.29	47.111	17	36.5	12.34	17	36.5	K2	21	5837	A -0 4520
45		9.3A	27 54.883	-0.0038	12	-7 33 12.25	-0.100	12	0.25	54.945	16	33.6	10.62	16	33.6	F8 R	16	8333	A -8 6124
46		8.9A	28 20.764	-0.0010	09	-4 23 27.93	-0.002	09	0.22	20.781	16	33.7	27.91	16	33.7	K2 F	17	8073	A -4 5895
47		8.0A	28 22.880	-0.0012	09	-5 20 11.18	-0.003	09	0.22	22.899	16	33.7	11.13	16	33.7	K0	17	8074	A -5 6003
48		6.4T	28 26.384	-0.0011	11	-6 33 49.35	-0.032	12	0.57	26.439	09	01.0	47.80	10	00.7	K0	GC	32695	-7 6036
49		8.6A	28 27.080	0.0002	14	-0 32 19.22	-0.014	20	0.29	27.077	17	36.5	19.03	17	36.5	K2	21	5839	A -1 4446
50		9.3A	28 43.149	0.0003	09	-5 20 12.72	0.002	09	0.22	43.144	16	33.6	12.75	16	33.6	K5 R	17	8075	A -5 6004
51		8.9A	23 28 50.587	0.0006	09	-4 31 37.70	0.005	09	0.22	50.576	16	33.7	37.78	16	33.7	A3	17	8076	A -5 6005
52		6.5T	28 56.493	0.0115	04	-4 21 38.80	-0.185	04	0.24	55.914	09	99.7	28.90	09	96.4	F8	GC	32708	B* -4 5896
53		9.1A	28 56.676	0.0005	11	-6 53 56.92	0.000	11	0.23	56.669	16	33.7	56.93	16	33.7	A0	16	8337	A -7 6037
54		8.8A	28 57.610	0.0072	09	-3 38 57.33	-0.001	09	0.22	57.492	16	33.7	57.31	16	33.7	F5	17	8078	A -4 5897
55		8.9A	29 11.236	0.0036	11	-8 36 16.07	-0.008	11	0.23	11.176	16	33.7	15.95	16	33.7	F8	16	8338	A -9 6206
56		6.5T	29 23.586	0.0006	03	-1 21 43.93	0.022	03	0.19	23.554	09	98.9	45.07	09	96.7	K0	GC	32724	B* -1 4450
57		8.5A	29 34.323	0.0011	09	-3 18 15.38	-0.001	09	0.22	34.305	16	33.7	15.37	16	33.7	F8	17	8080	A -3 5651
58		9.4A	29 43.285	0.0007	17	-9 40 55.30	-0.082	18	0.33	43.273	18	33.6	53.96	16	33.6	K0 J	11	8209	A -10 6128
59		8.8A	30 2.970	-0.0009	11	-6 24 53.43	-0.007	11	0.23	2.984	16	33.7	53.31	16	33.7	K2	16	8339	A -6 6229
60		9.4A	30 7.763	0.0018	09	-3 23 12.28	0.012	09	0.22	7.734	16	33.7	12.48	16	33.7	K1 F	17	8081	A -3 5654
61		8.8A	30 12.848	-0.0010	14	-1 7 8.64	-0.010	20	0.29	12.861	17	36.5	8.50	17	36.5	F8	21	5842	A -1 4451
62		9.4A	30 18.895	0.0011	14	-0 40 43.74	-0.010	20	0.29	18.879	17	36.5	43.60	17	36.5	K0 R	21	5843	A -1 4452
63		9.4A	30 19.736	0.0053	14	-1 32 20.36	-0.024	20	0.29	19.664	17	36.5	20.04	17	36.5	G0 R	21	5844	A -2 5982
64		8.4A	30 20.886	-0.0006	12	-9 26 8.64	-0.012	12	0.25	20.881	17	36.5	8.45	16	33.7	K0	16	8341	A -9 6210
65		7.0T	30 21.117	-0.0001	09	-3 17 34.26	-0.015	10	0.49	21.124	09	99.0	33.48	10	98.6	A0	GC	32745	-3 5655
66		9.5A	30 21.430	-0.0004	12	-5 56 37.32	0.009	12	0.25	21.436	16	33.6	37.46	16	33.6	F8 R	16	8342	A -6 6230
67		8.9A	30 23.157	0.0011	14	-0 5 44.80	-0.025	20	0.29	23.142	17	36.5	44.47	17	36.5	K0	21	5845	A -0 4523
68		9.2A	30 25.908	0.0023	11	-1 21 1.07	-0.011	11	0.23	25.871	16	33.7	0.88	16	33.7	K0 F	17	8084	A -1 4453
69		8.5A	30 29.490	0.0011	15	-9 38 37.90	-0.012	17	0.31	29.472	18	33.6	37.70	16	33.6	K0 J	11	8216	A -10 6130
70		8.8A	30 35.302	-0.0008	17	-9 44 28.67	0.005	18	0.33	35.315	18	33.6	28.75	16	33.6	F8 J	11	8217	A -10 6131
71		8.2A	30 36.921	0.0083	12	-6 40 37.53	0.011	12	0.25	36.785	16	33.7	37.71	16	33.7	F8	16	8343	A -7 6046
72		9.0A	30 38.078	-0.0015	09	-3 24 43.02	-0.010	09	0.22	38.103	16	33.7	42.86	16	33.7	K0 F	17	8085	A -3 5657
73		9.7A	30 45.976	-0.0015	11	-7 2 4.36	-0.014	09	0.22	46.000	16	33.6	4.12	16	33.6	F8 R	16	8344	A -7 6047
74		7.0T	30 54.017	0.0013	09	-4 40 39.10	-0.010	08	0.45	53.954	09	99.9	38.57	09	98.7	F5	GC	32756	-5 6011
75		9.0A	31 5.142	0.0014	14	-1 19 35.53	-0.007	20	0.29	5.123	17	36.5	35.44	17	36.5	F2 R	21	5847	A -1 4454
76		7.7A	31 7.303	-0.0011	09	-2 31 14.27	-0.029	09	0.22	7.322	16	33.7	13.80	16	33.7	A2	17	8088	A -3 5661
77		9.0A	31 11.903	0.0021	09	-5 24 30.26	-0.006	09	0.22	11.869	16	33.7	30.16	16	33.7	G5	17	8089	A -5 6012
78		9.2A	31 17.407	0.0029	14	-1 3 16.22	-0.086	20	0.29	17.368	17	36.5	15.06	17	36.5	G5 R	21	5848	A -1 4455
79		8.8A	31 33.381	0.0007	14	-0 42 0.82	-0.022	20	0.29	33.372	17	36.5	0.52	17	36.5	K2	21	5849	A -1 4456
80		6.0T	31 34.697	0.0070	03	-1 31 25.75	-0.007	03	0.14	34.367	06	02.5	25.42	06	02.5	A2	GC	32774	B* -2 5986
81		9.0A	31 35.617	-0.0002	12	-5 45 41.35	-0.006	12	0.25	35.620	16	33.7	41.25	16	33.7	K5	16	8346	A -6 6234
82		9.1A	31 52.090	0.0011	12	-6 45 25.55	0.014	12	0.25	52.072	16	33.7	25.77	16	33.7	K0	16	8347	A -7 6051
83		8.8A	31 55.022	0.0001	14	-0 36 7.66	-0.038	20	0.29	55.020	17	36.5	7.15	17	36.5	K5	21	5851	A -1 4457
84		9.5A	32 5.813	0.0003	13	-1 46 56.33	0.019	13	0.27	5.808	16	33.7	56.64	16	33.7	F8 F	17	8091	A -2 5990
85		9.1A	32 27.276	0.0030	12	-8 38 51.12	0.007	12	0.25	27.227	16	33.7	51.25	16	33.7	G5	16	8348	A -9 6216
86		7.4T	32 29.275	0.0005	09	-7 57 14.27	0.026	07	0.47	29.250	18	97.6	15.73	17	93.1	K5	GC	32788	-8 6141
87		8.9A	32 31.634	0.0013	09	-3 59 40.09	0.014	13	0.24	31.613	16	33.7	40.32	16	33.7	K5 F	17	8092	A -4 5911
88		9.0A	32 33.599	0.0006	14	-0 5 9.02	-0.035	20	0.29	33.591	17	36.5	8.55	17	36.5	F5	21	5853	A -0 4532
89		7.5T	32 40.218	0.0038	07	-4 7 51.52	0.027	06	0.38	40.024	14	98.6	52.97	14	96.3	F2	GC	32792	-4 5912
90		8.1A	32 40.989	0.0015	17	-9 57 56.77	-0.036	18	0.33	40.963	18	33.6	56.19	16	33.6	K2 J	11	8229	A -10 6139
91		9.0A	32 49.772	0.0002	14	-0 54 23.65	-0.039	20	0.29	49.769	17	36.5	23.12	17	36.5	K2 R	21	5854	A -1 4458
92		8.9A	32 52.482	0.0114	09	-3 42 59.96	-0.030	09	0.22	52.295	16	33.7	59.47	16	33.7	G5 F	17	8094	A -4 5913
93		9.0A	32 55.159	-0.0019	09	-2 6 1.27	-0.033	09	0.22	55.190	16	33.7	0.73	16	33.7	G2 F	17	8095	A -2 5993
94		8.8A	32 56.303	0.0001	12	-7 25 42.59	-0.013	12	0.25	56.302	16	33.7	42.37	16	33.7	K0	16	8350	A -7 6052
95		6.5H	32 57.298	-0.0002	02	-7 44 28.73	0.022	02	0.06	57.304	03	18.9	29.46	03	17.0	K0	F4	888	-8 6142
96		9.1B	33 12.516	0.0033	11	-6 1 31.39	-0.001	09	0.47	12.369	09	05.4	31.33	10	04.3	F5	GC	32809	-6 6239
97		9.1A	33 14.191	0.0057	12	-5 59 0.72	0.002	12	0.25	14.098	16	33.7	0.75	16	33.7	F8	16	8353	A -6 6240
98		9.3A	33 19.998	-0.0011	11	-6 17 4.39	-0.004	11	0.23	20.016	16	33.7	4.32	16	33.7	G5	16	8354	A -6 6242
99		7.3T	33 23.401	-0.0018	07	-9 2 32.32	-0.029	07	0.40	25.495	09	98.5	30.80	09	96.8	F5	GC	32813	-9 6220
00		9.0A	33 39.201	0.0025	14	-0 35 22.61	-0.032	20	0.29	39.170	17	36.5	22.18	17	36.5	F0	21	5856	A -1 4459

146800

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	SOURCE CAT.	STAR NUMBER	DM NUMBER
1		7.9A	23 33 42.851	-0.0014	12	-7 23 37.64	-0.035	12	0.25	42.873	16	33.7	37.06	16	33.7	A3	16	8356K	A -7 6055
2		8.7A	33 48.224	-0.0017	11	-3 43 2.97	-0.000	11	0.23	48.252	16	33.7	2.97	16	33.7	GO	17	8096	A -4 5915
3		8.1A	33 49.079	0.0027	12	-8 37 15.29	-0.017	12	0.25	49.034	16	33.7	15.02	16	33.7	GO	16	8357	A -9 6221
4		8.0A	34 11.108	0.0101	09	-3 14 17.70	0.018	09	0.22	10.943	16	33.7	17.99	16	33.7	F8	17	8097	A -3 5669
5		9.2A	34 36.462	-0.0006	14	-1 23 34.20	-0.031	20	0.29	36.470	17	36.5	33.79	17	36.5	FO	21	5857	A -1 4460
6		9.0A	34 42.101	-0.0005	14	-1 19 37.45	-0.030	20	0.29	42.107	17	36.5	37.05	17	36.5	KO R	21	5858	A -1 4462
7		8.6A	34 43.200	0.0042	09	-1 47 46.66	-0.021	09	0.22	43.132	16	33.7	46.32	16	33.7	G5	17	8100	A -2 5998
8		8.7A	35 2.376	0.0056	09	-5 23 4.08	0.013	09	0.22	2.284	16	33.7	4.29	16	33.7	G5	17	8101	A -5 6022
9		9.3A	35 15.878	0.0024	09	-1 46 50.68	0.010	09	0.22	15.839	16	33.7	50.85	16	33.7	F8 F	17	8102	A -2 5999
10		8.9A	35 18.042	-0.0001	17	-9 57 9.35	-0.012	18	0.33	18.043	18	33.6	9.16	16	33.6	F8 J	11	8238	A -10 6146
11		8.6A	35 18.253	0.0033	12	-6 15 16.73	-0.061	12	0.25	18.198	16	33.7	15.73	16	33.7	KO	16	8359	A -6 6248
12		9.0A	35 25.767	-0.0005	09	-8 13 9.12	-0.008	09	0.22	25.775	16	33.7	8.98	16	33.7	MA	16	8360	A -8 6152
13		8.1A	35 32.472	0.0003	09	-1 36 45.21	0.014	09	0.22	32.468	16	33.7	45.44	16	33.7	A2	17	8103	A -2 6000
14		8.5A	35 36.303	-0.0005	09	-4 2 10.21	0.020	09	0.22	36.311	16	33.7	10.54	16	33.7	F5	17	8104	A -4 5917
15		6.8T	35 37.480	0.0017	06	-8 54 16.16	-0.020	07	0.37	37.388	07	95.6	15.02	09	94.0	G5	GC	32848	-9 6224
16		9.0A	35 37.545	0.0002	14	-1 6 13.69	-0.006	20	0.29	37.542	17	36.5	13.61	17	36.5	G5 R	21	5860	A -1 4465
17		8.9A	35 41.945	-0.0021	14	-1 8 45.42	0.001	20	0.29	41.973	17	36.5	45.43	17	36.5	G5	21	5861	A -1 4466
18		8.9A	35 58.479	0.0000	11	-6 15 54.12	-0.005	11	0.23	58.478	16	33.6	54.04	16	33.6	KO	16	8362	A -6 6251
19		9.4A	36 11.948	0.0001	09	-3 2 32.04	0.004	09	0.22	11.946	16	33.7	32.11	16	33.7	G8 F	17	8105	A -3 5676
20		8.5A	36 15.319	0.0040	09	-3 14 13.17	-0.012	09	0.22	15.254	16	33.7	12.97	16	33.7	GO	17	8106	A -3 5677
21		9.1A	36 21.838	0.0009	12	-9 13 2.69	0.002	12	0.25	21.822	16	33.6	2.72	16	33.6	GO	16	8363	A -9 6225
22		9.3A	36 22.977	-0.0025	09	-2 22 35.32	-0.015	09	0.22	23.018	16	33.7	39.01	16	33.7	G2 F	17	8107	A -2 6005
23		9.1A	36 30.593	-0.0006	14	-0 9 12.39	-0.012	20	0.29	30.601	17	36.5	12.24	17	36.5	K5 R	21	5864	A -0 4543
24		9.4A	36 43.103	0.0024	12	-8 15 22.14	-0.022	12	0.25	43.063	16	33.6	21.76	16	33.6	GO	16	8364	A -8 6158
25		8.9A	36 49.314	0.0003	09	-2 25 54.13	-0.001	09	0.22	49.310	16	33.7	54.11	16	33.7	K5	17	8108	A -2 6007
26		9.1A	36 49.710	0.0037	12	-5 44 13.61	-0.006	12	0.25	49.649	16	33.6	13.51	16	33.6	KO R	16	8365	A -6 6253
27		9.0A	36 50.720	0.0004	13	-3 25 2.81	0.018	13	0.27	50.714	16	33.7	3.10	16	33.7	F6 F	17	8109	A -3 5682
28		9.0A	36 53.102	-0.0012	14	-1 15 18.69	-0.016	20	0.29	53.118	17	36.5	18.67	17	36.5	KO	21	5865	A -1 4468
29		9.0A	36 56.997	0.0003	13	-5 13 34.54	-0.016	13	0.27	56.993	16	33.7	34.27	16	33.7	F5	17	8110	A -5 6028
30		8.9A	36 57.199	0.0006	12	-5 53 9.04	0.011	12	0.25	57.188	16	33.6	9.22	16	33.6	F8	16	8366	A -6 6254
31		8.8A	37 9.468	0.0001	09	-4 56 34.57	-0.017	09	0.22	9.466	16	33.7	34.29	16	33.7	K2	17	8111	A -5 6029
32		9.0A	37 10.877	0.0018	14	-1 1 3.77	-0.036	20	0.29	10.852	17	36.5	3.28	17	36.5	G	21	5866	A -1 4469
33		9.0A	37 13.183	-0.0003	13	-4 36 59.97	0.022	13	0.27	13.189	16	33.7	+ 0.33	16	33.7	G5	17	8112	A -5 6030
34		7.8A	37 16.239	-0.0020	11	-5 49 25.39	-0.021	11	0.23	16.272	16	33.6	25.04	16	33.6	K2	16	8367	A -6 6256
35		9.0A	37 25.273	-0.0035	14	-1 1 41.39	-0.040	20	0.29	25.319	17	36.5	40.85	17	36.5	F5	21	5867	A -1 4472
36		9.0A	37 29.462	-0.0022	13	-4 25 4.68	-0.005	13	0.27	29.498	16	33.7	4.60	16	33.7	F8	17	8113	A -4 5926
37		9.2A	37 39.724	-0.0000	13	-1 57 40.68	-0.014	13	0.27	39.724	16	33.7	40.45	16	33.7	K2 F	17	8114	A -2 6012
38		8.8A	37 41.670	0.0031	11	-2 1 53.94	0.027	11	0.23	41.619	16	33.7	54.38	16	33.7	KO	17	8115	A -2 6013
39		9.3A	37 56.426	-0.0011	13	-1 38 23.66	-0.069	13	0.27	56.444	16	33.7	22.53	16	33.7	F8	17	8116	A -2 6014
40		9.2A	37 57.098	0.0009	11	-7 51 0.24	-0.043	11	0.23	57.084	16	33.6	59.53	16	33.6	G5	16	8368	A -8 6165
41		8.2B	38 8.710	0.0005	08	-0 39 36.98	-0.004	06	0.34	8.689	15	06.7	36.78	15	95.4	FO	GC	32891K	B* -1 4473
42		7.1T	38 13.869	0.0044	10	-8 11 27.51	-0.041	07	0.36	13.686	07	08.5	25.79	07	08.4	F8	GC	32893	-8 6166
43		9.0A	38 20.720	-0.0004	14	-1 1 2.06	-0.046	20	0.29	20.725	17	36.5	1.45	17	36.5	G5	21	5873	A -1 4474
44		8.5A	38 35.636	-0.0006	11	-6 45 18.03	-0.030	11	0.23	35.646	16	33.6	17.53	16	33.6	FO	16	8370	A -7 6070
45		8.7A	38 39.417	-0.0016	13	-3 8 10.72	-0.009	13	0.27	39.443	16	33.7	10.57	16	33.7	KO	17	8117	A -3 5688
46		8.7A	38 43.505	0.0018	09	-4 42 2.40	0.004	09	0.22	43.475	16	33.7	2.47	16	33.7	K2	17	8118	A -5 6033
47		8.6A	39 1.429	-0.0032	12	-9 6 5.70	-0.071	12	0.25	1.461	16	33.6	4.53	16	33.6	F2	16	8372	A -9 6233
48		9.0A	39 6.568	-0.0014	12	-5 47 2.55	-0.015	12	0.25	6.588	16	33.6	2.30	16	33.6	KO	16	8373	A -6 6261
49		7.9B	39 17.678	-0.0089	08	-6 15 41.86	-0.119	06	0.36	18.109	12	01.6	35.80	12	99.2	G5	GC	32912	-6 6262
50		9.0A	39 20.775	0.0145	14	-0 16 28.48	-0.060	20	0.29	20.579	17	36.5	27.81	17	36.5	GO	21	5874	A -0 4553
51		9.0A	23 39 21.621	0.0026	14	-1 22 29.57	-0.031	20	0.29	21.585	17	36.5	29.15	17	36.5	KO R	21	5875	A -1 4477
52		8.3A	39 47.708	0.0034	09	-1 46 42.11	-0.029	09	0.22	47.652	16	33.7	41.63	16	33.7	F2	17	8120	A -2 6021
53		8.5A	39 48.017	-0.0064	12	-9 6 18.72	-0.061	12	0.25	48.122	16	33.6	17.71	16	33.6	GO	16	8375	A -9 6237
54		8.8A	40 2.618	0.0018	09	-3 49 47.00	-0.048	09	0.22	2.588	16	33.7	46.21	16	33.7	GO	17	8121	A -4 5935
55		9.4A	40 5.134	0.0005	12	-7 28 50.98	-0.029	12	0.25	5.127	16	33.6	50.50	16	33.6	GO R	16	8376	A -8 6174
56		8.9A	40 22.634	0.0017	14	-0 2 16.84	0.035	20	0.29	22.610	17	36.5	17.32	17	36.5	GO	21	5877	A -0 4558
57		8.8A	40 28.857	0.0015	07	-7 46 50.79	0.004	12	0.23	28.832	16	33.6	50.85	16	33.6	MA	16	8377	A -8 6175
58		9.3A	40 30.104	-0.0006	12	-9 14 25.12	-0.002	12	0.25	30.113	16	33.6	25.08	16	33.6	KO	16	8378	A -9 6239
59		9.6A	40 33.188	0.0003	09	-1 55 3.61	-0.013	09	0.22	33.183	16	33.7	3.40	16	33.7	A0 F	17	8122	A -2 6023
60		8.4A	40 44.010	0.0003	14	-0 25 59.26	-0.018	20	0.29	44.005	17	36.5	59.02	17	36.5	A0	21	5880	A -0 4560
61		9.2A	40 44.445	-0.0009	12	-7 31 14.25	0.009	12	0.25	44.461	16	33.6	14.39	16	33.6	KO	16	8379	A -8 6176
62		8.4A	40 44.833	-0.0009	14	-0 59 8.16	0.001	20	0.29	44.845	17	36.5	8.17	17	36.5	G5	21	5881	A -1 4479
63		9.4A	40 49.336	0.0010	14	-0 30 33.13	0.004	20	0.29	49.322	17	36.5	33.18	17	36.5	KO R	21	5882	A -1 4480
64		9.0A	40 50.038	0.0030	12	-9 19 7.70	0.007	12	0.25	49.989	16	33.6	7.82	16	33.6	G5	16	8380	A -9 6242
65		9.0A	40 50.534	0.0008	17	-9 48 22.00	0.005	18	0.33	50.521	18	33.6	22.09	16	33.6	G5 J	11	8253	A -10 6159
66		9.1A	40 53.219	-0.0011	12	-7 1 47.43	0.015	12	0.25	53.237	16	33.6	47.67	16	33.6	KO	16	8381	A -7 6073
67		8.8A	41 1.830	-0.0003	17	-9 57 4.58	0.012	18	0.33	1.835	18	33.6	4.79	16	33.6	GO J	11	8255	A -10 6160
68		8.5A	41 1.944	0.0040	09	-3 35 24.82	-0.036	09	0.22	1.879	16	33.7	24.23	16	33.7	GO	17	8123	A -4 5939
69		8.7A	41 8.305	0.0007	11	-7 36 46.64	-0.116	11	0.23	8.294	16	33.6	44.73	16	33.6	G5	16	8382	A -8 6179
70		8.5A	41 16.118	0.0031	12	-6 32 59.80	-0.064	12	0.25	16.067	16	33.6	58.41	16	33.6	G5	16	8383	A -7 6074
71		8.8A	41 18.328	0.0032	12	-5 42 10.58	0.039	12	0.25	18.275	16	33.6	11.22	16	33.6	F2	16	8384	A -6 6269
72		9.2A	41 20.864	-0.0001	14	-0 51 49.20	-0.008	20	0.29	20.865	17	36.5	49.09	17	36.5	KO R	21	5883	A -1 4483
73		8.9A	41 27.375	-0.0002	12	-8 32 56.92	0.002	12	0.25	27.377	16	33.6	56.95	16	33.6	KO	16	8385	A -9 6244
74		9.1A	41 49.801	-0.0015	14	-1 23 19.48	0.008	20	0.29	49.821	17	36.5	19.59	17	36.5	K5 R	21	5885	A -1 4484
75		9.4A	41 50.605	-0.0004	11	-6 3 15.73	-0.035	11	0.23	50.611	16	33.6	15.15	16	33.6	GO	16	8386	A -6 6273
76		8.8A	41 52.846	0.0119	09	-2 44 1.10	0.029	09	0.22	52.652	16	33.7	1.57	16	33.7	G5	17	8124	A -3 5696
77		7.2T	41 58.485	0.0004	07	-3 27 9.34	-0.013	08	0.38	58.468	07	01.3	8.70	09	01.3	F8	GC	32964	-3 5697
78		8.7A	42 0.630	0.0013	09	-5 17 5.34	-0.000	09	0.22	0.609	16	33.7	5.33	16	33.7	K2	17	8126	A -5 6041
79		9.2A	42 3.616	-0.0040	12	-6 9 58.11	-0.038	12	0.25	3.682	16	33.6	57.48	16	33.6	G5	16	8388	A -6 6275
80		8.2A	42 4.161	0.0034	12	-9 7 35.03	0.005	12	0.25	4.106	16	33.6	35.12	16	33.6	F8	16	8387	A -9 6247
81		9.0A	42 5.633	0.0016	11	-6 24 28.87	0.008	11	0.23	5.607	16	33.6	29.00	16	33.6	F2	16	8389	A -6 6276
82		8.0T	42 7.441	-0.0002	07	-8 44 24.82	-0.005	06	0.30	7.450	12	09.8	24.58	12	05.8	A0	GC	32966	-9 6248
83		9.1A	42 8.948	0.0003	12	-9 37 34.87	0.020	12	0.25	8.943	16	33.6	35.20	16	33.6	G5	16	8391	A -10 6164
84		8.7A	42 13.029	-0.0034	12	-7 12 50.83	-0.028	12	0.25	13.085	16	33.6	50.36	16	33.6	G5	16	8392	A -7 6078
85		7.3A	42 26.190	-0.0001	14	-0 56 17.43	0.005	20	0.29	26.190	17	36.5	17.50	17	36.5	K5	21	5886	A -1 4485
86		9.0A	42 42.985	0.0005	14	-1 15 14.49	0.006	20	0.29	42.978	17	36.5	14.57	17	36.5	KO	21	5887	A -1 4486
87		8.9A	42 48.731	-0.0019	09	-2 53 50.05	-0.064	09	0.22	48.783	16	33.7	49.00	16	33.7	GO	17	8127	A -3 5698
88		8.9A	42 50.291	-0.0015	09	-2 13 22.76	-0.019	09	0.22	50.315	16	33.7	22.45	16	33.7	F8	17	8128	A -2 6032
89		9.0A	42 59.306	-0.0008	09	-5 4 2.64	-0.018	09	0.22	59.319	16	33.6	2.34	16	33.6	G5 R	17	8129	A -5 6044
90		9.0A	43 19.219	0.0011	12	-6 12 39.59	0.026	12	0.25	19.202	16	33.6	40.01	16	33.6	G5	16	8393	A -6 6282
91		7.8Q	43 26.347	-0.0010	05	-0 0 54.03	-0.047	03	0.20	26.388	09	09.3	51.82	09	02.7	F8	GC	32987K	B* -0 4563
92		9.0A	43 31.013	0.0005	09	-3 34 58.58	-0.034	09	0.22	31.005	16	33.7	57.83	16	33.7	F8 F	17	8130	A -4 5948
93		9.1A	43 31.209	0.0012	15	-9 44 25.66	0.027	17	0.31	31.189	18	33.6	26.30	16	33.6	K5 J	11	8261	A -10 6167
94		8.8A	43 33.884	0.0013	09	-3 41 23.38	-0.019	09	0.22	33.862	16	33.7	23.07	16	33.7	FO F	17	8131	A -4 5949
95		9.1A	43 43.218	-0.0004	12	-8 55 50.47	-0.008	12	0.25	43.225	16	33.6	50.34	16	33.6	G5	16	8394	A -9 6256
96		8.9A	43 52.923	-0.0025	12	-6 34 50.37	-0.077	12	0.25	52.964	16	33.6	49.10	16	33.6	GO	16	8395	A -7 6082
97		9.0A	43 53.966	-0.0013	09	-3 17 2.02	0.008	09	0.22	53.987	16	33.7	2.15	16	33.7	G8 F	17	8132	A -3 5702
98		7.7A	43 59.019	0.0119	12	-9 16 25.53	-0.059	12	0.25	58.823	16	33.6	24.56	16	33.6	GO	16	8397	A -9 6258
99		9.1A	44 0.691	0.0001	09	-1 48 2.31	-0.003	09	0.22	0.689	16	33.7	2.26	16	33.7	F8	17	8133	A -2 6034
00		8.9A	44 7.841	-0.0012	11	-5 44 14.93	-0.000	11	0.23	7.861	16	33.6	14.93	16	33.6	G5	16	8398	A -6 6286

- 00° 23H

146900			EPOCH 1950								ORIGINAL EPOCH						SP.	SOURCE		- 00 23H
NUMBER	MAGNITUDES m_{pg}	m_v	α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	σ_μ ″.001	σ_{1950} ″	α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.		CAT.	STAR NUMBER	DM NUMBER
1		7.6A	23 44 16.190	0.0025	12	-9 10 27.27	-0.014	12	0.25	16.149	16	33.6	27.05	16	33.6	G5	16	8399	A -9 6260
2		9.3A	44 35.860	0.0000	12	-8 56 39.79	-0.041	12	0.25	35.859	16	33.6	39.13	16	33.6	G0	16	8400	A -9 6261
3		9.3A	44 39.896	-0.0005	11	-8 0 33.30	-0.014	11	0.23	39.906	16	33.6	33.06	16	33.6	G5	16	8401	A -8 6188
4		9.0A	44 44.414	-0.0006	09	-5 37 38.24	-0.050	09	0.22	44.423	16	33.7	37.42	16	33.7	F8	17	8134	A -6 6289
5		8.8A	44 48.582	-0.0001	09	-1 47 12.53	-0.008	11	0.22	48.593	16	33.7	12.40	16	33.7	F0	17	8135	A -2 6037
6		8.3A	44 49.486	-0.0013	08	-4 10 52.29	0.020	09	0.22	49.508	16	33.7	52.62	16	33.7	F2	17	8136	A -4 5955
7		9.0A	44 55.322	0.0043	08	-2 25 40.03	0.017	09	0.22	55.252	16	33.7	40.31	16	33.7	G5	17	8137	A -2 6038
8		7.9B	45 4.105	0.0019	07	-6 6 12.78	-0.009	06	0.36	4.004	14	96.9	12.25	14	93.7	F8	GC	33022	-6 6291
9		7.3A	45 4.955	0.0021	09	-4 44 23.10	0.012	09	0.22	4.921	16	33.7	23.29	16	33.7	A2	17	8138	A -5 6048
10		8.5A	45 6.032	-0.0006	11	-3 48 57.08	-0.080	11	0.23	6.140	16	33.7	55.77	16	33.7	K0	17	8139	A -4 5957
11		7.6A	45 8.185	-0.0006	14	-1 2 23.13	-0.026	20	0.28	8.218	17	37.2	22.79	17	37.2	K0	21	5894	A -1 4489
12		9.2A	45 10.933	0.0005	13	-3 1 40.83	-0.067	13	0.27	10.893	16	33.7	39.73	16	33.7	K2	F 17	8140	A -3 5705
13		8.8A	45 15.518	0.0016	13	-5 12 31.16	-0.038	13	0.27	15.492	16	33.7	30.53	16	33.7	K2	17	8141	A -5 6052
14		8.3G	45 17.328	-0.0129	10	-5 31 11.91	-0.168	10	0.47	17.924	12	03.8	4.12	12	03.7	G0	GC	33026	-6 6293
15		5.0H	45 22.259	0.0062	01	-3 2 22.61	0.010	01	0.05	22.035	03	13.8	23.01	03	11.0	K0	F4	1623	-3 5707
16		8.4A	45 38.673	0.0036	14	-1 3 9.79	-0.027	20	0.28	38.626	17	37.2	9.44	17	37.2	G5	21	5895	A -1 4490
17		8.9A	45 50.032	0.0027	12	-9 31 44.23	-0.051	12	0.25	49.988	16	33.6	43.40	16	33.6	G0	16	8405	A -10 6170
18		8.9A	45 54.030	0.0013	09	-4 57 41.71	-0.014	09	0.22	54.008	16	33.7	41.48	16	33.7	F5	17	8144	A -5 6055
19		6.3T	45 58.291	-0.0000	04	-6 39 29.65	-0.020	04	0.20	58.292	07	99.5	28.59	07	98.1	K2	GC	33039	B* -7 6086
20		9.1A	46 8.899	0.0032	12	-5 41 52.85	-0.026	12	0.25	8.846	16	33.6	52.42	16	33.6	G5	16	8407	A -6 6296
21		9.3A	46 9.543	-0.0029	09	-1 45 15.83	-0.045	09	0.22	9.591	16	33.7	15.09	16	33.7	G0	F 17	8145	A -2 6043
22		7.7A	46 11.038	-0.0017	08	-4 42 48.59	0.008	09	0.22	11.086	16	33.7	48.72	16	33.7	K2	17	8146	A -5 6056
23		9.2A	46 11.586	0.0008	12	-8 25 24.54	0.002	12	0.25	11.553	16	33.6	24.57	16	33.6	F2	16	8408	A -8 6194
24		9.0A	46 12.204	-0.0011	09	-3 55 1.32	-0.011	09	0.22	12.221	16	33.7	1.14	16	33.7	K5	17	8147	A -4 5959
25		9.4A	46 15.086	0.0010	12	-7 41 27.42	-0.019	12	0.25	15.009	16	33.6	27.10	16	33.6	G5	16	8409	A -8 6196
26		9.2A	46 32.564	0.0032	11	-7 14 39.51	-0.035	11	0.23	32.512	16	33.6	38.93	16	33.6	G5	16	8410	A -7 6089
27		8.8A	46 35.282	0.0009	15	-9 50 26.35	-0.007	17	0.31	35.277	18	33.7	26.23	16	33.7	G5	J 11	8275	A -10 6174
28		8.0A	46 38.452	0.0000	12	-5 49 50.99	0.003	12	0.25	38.452	16	33.7	51.03	16	33.7	G5	16	8411	A -6 6297
29		9.1A	47 10.856	0.0003	09	-2 50 35.75	-0.122	09	0.22	10.851	16	33.7	33.76	16	33.7	G0	17	8148	A -3 5713
30		9.0A	47 23.012	0.0114	09	-3 31 58.77	-0.057	11	0.22	22.826	16	33.7	57.84	16	33.7	G5	17	8149	A -4 5961
31		8.9A	47 35.974	-0.0010	18	-9 30 18.38	-0.036	20	0.35	35.991	18	33.7	17.79	16	33.7	A2	J 11	8278	A -10 6176
32		8.5A	48 15.804	0.0008	12	-6 32 44.00	-0.034	12	0.25	15.791	16	33.7	43.44	16	33.7	F8	16	8412	A -7 6093
33		9.1A	48 27.960	0.0011	09	-3 50 1.14	-0.033	11	0.22	27.941	16	33.7	0.60	16	33.7	F8	17	8150	A -4 5964
34		8.9A	48 35.546	-0.0030	09	-2 12 30.90	-0.042	09	0.22	35.595	16	33.7	30.21	16	33.7	K0	17	8151	A -2 6049
35		8.5A	48 35.852	0.0005	09	-2 47 53.36	-0.032	09	0.22	35.845	16	33.7	52.84	16	33.7	K0	17	8152	A -3 5718
36		8.0A	48 54.918	0.0001	09	-3 40 55.76	0.021	09	0.22	54.916	16	33.7	56.10	16	33.7	K5	17	8153	A -4 5965
37		8.8A	48 58.502	0.0009	09	-3 47 11.53	0.018	09	0.22	58.488	16	33.7	11.82	16	33.7	G0	F 17	8154	A -4 5967
38		8.8A	48 58.636	-0.0062	11	-3 45 40.05	-0.044	13	0.25	58.737	16	33.7	39.33	16	33.7	F8	17	8155	A -4 5968
39		9.0A	49 6.085	0.0017	09	-2 49 8.50	-0.003	09	0.22	6.057	16	33.7	8.45	16	33.7	K2	17	8156	A -3 5719
40		8.8A	49 11.282	0.0023	12	-5 57 28.91	-0.025	12	0.25	11.245	16	33.7	28.50	16	33.7	G5	16	8413	A -6 6303
41		8.9A	49 12.425	0.0054	12	-6 53 27.86	0.004	12	0.25	12.337	16	33.7	27.92	16	33.7	G0	16	8414K	A -7 6095
42		9.0A	49 16.606	0.0009	11	-6 53 28.26	0.005	11	0.23	16.591	16	33.7	28.34	16	33.7	F8	16	8415	A -7 6096
43		9.1A	49 28.415	-0.0006	12	-5 52 43.67	-0.000	12	0.25	28.425	16	33.7	43.67	16	33.7	K2	16	8416	A -6 6305
44		9.3A	49 36.031	-0.0020	11	-5 54 24.48	0.002	11	0.23	36.064	16	33.7	24.51	16	33.7	F8	16	8417	A -6 6306
45		9.1A	49 48.376	0.0009	09	-3 40 30.89	-0.019	09	0.22	48.361	16	33.7	30.58	16	33.7	F2	17	8157	A -4 5971
46		8.6A	49 49.659	0.0113	15	-9 49 53.84	-0.061	17	0.31	49.473	18	33.7	52.84	16	33.7	G0	J 11	8285	A -10 6185
47		9.0A	50 7.717	-0.0013	09	-4 34 18.25	0.033	11	0.22	7.736	16	33.7	18.79	16	33.7	A2	17	8159	A -5 6070
48		9.4A	50 8.975	0.0017	14	-1 5 11.39	-0.006	20	0.28	8.953	17	37.2	11.31	17	37.2	F5	21	5902	A -1 4495
49		8.0A	50 10.709	0.0007	12	-9 10 22.82	-0.000	12	0.25	10.698	16	33.7	22.81	16	33.7	K0	16	8418	A -9 6275
50		8.9A	50 11.289	0.0009	09	-9 25 24.40	-0.007	09	0.22	11.274	16	33.7	24.28	16	33.7	G0	16	8419	A -9 6276
51		8.7A	23 50 11.445	-0.0009	17	-9 50 22.42	-0.015	18	0.33	11.460	18	33.7	22.19	16	33.7	K2	J 11	8288	A -10 6186
52		9.2A	50 15.143	-0.0001	11	-6 48 34.74	-0.035	11	0.23	15.144	16	33.7	34.16	16	33.7	A0	16	8420	A -7 6101
53		6.0T	50 16.149	0.0041	09	-9 16 28.44	-0.017	09	0.36	15.983	12	08.1	27.77	12	08.1	K0	GC	33028	B* -9 6277
54		6.1T	50 21.395	0.0048	03	-3 25 59.47	-0.041	03	0.18	21.159	06	00.3	57.32	06	97.5	K0	GC	33130	B* -3 5723
55		10.0A	50 28.951	-0.0006	12	-8 5 43.33	-0.022	12	0.25	28.960	16	33.6	42.97	16	33.6	K0	R 16	8422	A -8 6205
56		8.4A	50 32.968	-0.0006	12	-6 55 40.69	-0.009	12	0.25	32.978	16	33.7	40.54	16	33.7	K0	16	8423	A -7 6104
57		9.0A	50 33.863	0.0007	09	-5 36 46.77	-0.005	09	0.22	33.851	16	33.7	46.68	16	33.7	K5	17	8161	A -6 6309
58		8.7A	50 36.224	-0.0028	17	-9 43 50.75	-0.064	18	0.33	36.269	18	33.7	49.70	16	33.7	G5	J 11	8292	A -10 6190
59		9.1A	50 49.995	-0.0015	09	-5 19 35.68	-0.070	09	0.22	50.020	16	33.7	34.53	16	33.7	G0	17	8162	A -5 6072
60		8.7A	51 7.433	-0.0002	09	-1 56 20.25	0.000	11	0.22	7.436	16	33.7	20.25	16	33.7	K0	17	8163	A -2 6056
61		9.4A	51 15.776	-0.0011	09	-1 33 43.25	-0.009	09	0.22	15.794	16	33.7	43.10	16	33.7	F5	17	8164	A -2 6057
62		7.4A	51 28.728	0.0043	12	-9 34 5.21	0.000	11	0.24	28.656	16	33.7	5.22	16	33.7	K5	16	8426	A -10 6192
63		8.8A	51 29.607	-0.0009	09	-4 33 25.23	-0.020	09	0.22	29.621	16	33.7	24.90	16	33.7	K5	17	8165	A -5 6075
64		8.6A	51 31.479	0.0014	17	-9 40 10.56	0.015	18	0.33	31.456	18	33.7	10.80	16	33.7	K0	J 11	8297	A -10 6193
65		9.2A	51 37.718	0.0012	09	-5 25 25.42	0.007	09	0.22	37.698	16	33.7	25.53	16	33.7	G5	17	8166	A -5 6076
66		9.1A	51 47.002	0.0006	12	-5 59 51.76	0.002	12	0.25	46.992	16	33.7	51.79	16	33.7	K2	16	8427	A -6 6313
67		9.0A	51 51.374	0.0060	09	-7 6 35.78	0.010	09	0.22	51.276	16	33.7	35.94	16	33.7	F8	16	8428	A -7 6110
68		9.1A	51 59.876	-0.0087	09	-5 0 5.97	-0.027	09	0.22	0.018	16	33.7	5.52	16	33.7	G5	17	8167	A -5 6079
69		8.5A	52 0.952	-0.0007	09	-3 15 27.46	-0.048	09	0.22	0.964	16	33.7	26.68	16	33.7	F8	17	8168	A -3 5728
70		9.0A	52 1.139	0.0007	14	-0 51 48.63	-0.033	20	0.28	1.130	17	37.2	48.21	17	37.2	K2	21	5908	A -1 4498
71		7.5A	52 4.813	-0.0013	09	-2 13 27.94	-0.016	09	0.22	4.835	16	33.7	27.68	16	33.7	K5	17	8169	A -2 6059
72		8.8A	52 8.519	0.0038	09	-3 43 52.85	-0.089	09	0.22	8.457	16	33.7	51.39	16	33.7	F8	17	8170	A -4 5976
73		6.0T	52 12.972	-0.0031	04	-0 10 7.42	-0.007	03	0.19	13.127	07	00.3	7.10	06	01.2	MB	GC	33165	B* -0 4585
74		8.6A	52 18.634	0.0112	14	-0 35 44.56	-0.151	20	0.28	18.490	17	37.2	42.62	17	37.2	G5	21	5911	A -1 4500
75		6.8T	52 29.549	0.0052	10	-9 44 20.49	0.009	10	0.58	29.255	17	93.1	20.99	15	91.5	F0	GC	33169	-10 6198
76		9.0A	52 32.986	-0.0015	11	-8 43 11.28	0.005	11	0.23	32.990	16	33.7	11.36	16	33.7	G0	16	8429	A -9 6285
77		8.0T	52 33.778	-0.0010	07	-4 56 46.00	0.001	05	0.31	33.830	09	00.2	46.04	09	97.1	K0	GC	33171	-5 6081
78		8.9A	52 48.133	0.0006	12	-9 1 18.25	-0.017	12	0.25	48.122	16	33.7	17.98	16	33.7	K5	16	8430	A -9 6286
79		9.1A	52 48.732	-0.0001	14	-1 21 27.07	-0.019	20	0.28	48.734	17	37.2	26.83	17	37.2	F5	21	5912	A -1 4501
80		8.0A	52 49.583	0.0001	09	-5 10 48.15	0.028	09	0.22	49.581	16	33.7	48.61	16	33.7	G5	17	8173	A -5 6083
81		7.8A	53 10.202	0.0042	12	-9 20 21.47	-0.039	12	0.25	10.134	16	33.7	20.84	16	33.7	G5	16	8431	A -9 6287
82		9.2A	53 17.746	0.0013	14	-0 50 18.67	-0.009	20	0.28	17.730	17	37.2	18.55	17	37.2	F8	21	5914	A -1 4502
83		8.8A	53 32.393	-0.0001	09	-2 57 9.86	-0.021	09	0.22	32.395	16	33.7	9.54	16	33.7	G5	17	8174	A -3 5734
84		9.0A	53 40.824	-0.0009	09	-3 46 22.73	-0.030	09	0.22	40.839	16	33.7	22.24	16	33.7	K0	17	8175	A -4 5981
85		8.0B	53 48.172	-0.0183	06	-9 46 36.22	-0.063	04	0.30	49.096	15	99.6	32.53	12	91.8	G5	GC	33199K	B* -10 6203
86		8.9A	53 53.128	-0.0002	12	-6 15 21.78	-0.017	12	0.25	53.130	16	33.7	21.50	16	33.7	K0	16	8432	A -6 6322
87		9.2A	53 53.443	0.0002	14	-0 51 55.62	0.006	20	0.28	53.440	17	37.2	55.70	17	37.2	F8	21	5917	A* -1 4505
88		8.9A	53 53.907	-0.0008	14	-1 12 38.56	-0.029	20	0.28	53.918	17	37.2	37.99	17	37.2	K0	21	5918	A -1 4504
89		9.0A	54 16.096	0.0026	14	-0 47 18.27	0.009	20	0.28	16.062	17	37.2	18.38	17	37.2	F8	21	5922	A -1 4506
90		8.7A	54 27.531	-0.0016	12	-7 37 55.82	-0.034	12	0.25	27.556	16	33.7	55.26	16	33.7	G5	16	8433	A -8 6213
91		8.8A	54 29.504	-0.0017	12	-6 32 7.48	-0.024	12	0.25	29.532	16	33.7	7.08	16	33.7	G5	16	8434	A -7 6115
92		8.8A	54 30.300	0.0037	09	-3 15 14.58	0.010	09	0.22	30.240	16	33.7	14.74	16	33.7	F8	17	8176	A -3 5735
93		8.8A	54 30.393	0.0015	09	-2 53 32.18	-0.054	09	0.22	30.368	16	33.7	31.30	16	33.7	G5	17	8177	A -3 5736
94		8.8A	54 35.867	0.0072	12	-5 44 12.97	-0.095	12	0.25	35.749	16	33.7	11.41	16	33.7	F8	16	8435	A -6 6324
95		9.0A	54 37.183	-0.0006	11	-7 11 36.86	-0.016	11	0.23	37.193	16	33.7	38.59	16	33.7	F5	16	8436	A -7 6116
96		9.2A	54 37.355	-0.0011	14	-0 55 39.64	-0.039	20	0.28	37.369	17	37.2	39.14	17	37.2	G0	21	5923	A -1 4507
97		7.6T	54 58.031	0.0313	14	-9 55 26.77	-0.160	12	0.58	56.705	15	07.6	19.71	15	06.0	G0	GC	33222	-10 6206
98		8.5A	55 4.642	0.0007	09	-5 13 1.25	0.002	09	0.22	4.631	16	33.7	1.28	16	33.7	G5	17	8178	A -5 6088
99		8.8A	55 12.152	-0.0036	12	-7 39 12.08	-0.000	12	0.25	12.211	16	33.7	12.07	16	33.7	G5	16	8437	A -8 6215
00		8.5A	55 14.291	0.0083	12	-5 44 7.93	0.073	12	0.25	14.154	16	33.7	9.12	16	33.7	F8	16	8438	A -6 6329

147000

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	SOURCE CAT.	STAR NUMBER	DM NUMBER
1		8.9I	23 55 20.268	0.0030	28	-9 14 15.35	-0.061	26	1.14	20.147	27	09.6	12.79	27	08.4	M3E	GC	33232V	B* -9 6294
2		8.7A	55 27.290	-0.0003	09	-2 39 1.75	0.003	09	0.22	27.296	16	33.7	1.80	16	33.7	K5	17	8179	A -3 5738
3		8.7A	55 29.059	-0.0006	09	-2 15 31.22	-0.015	09	0.22	29.069	16	33.7	30.97	16	33.7	G5	17	8180	A -2 6067
4		9.0A	55 30.973	-0.0011	14	-0 24 22.48	-0.015	20	0.28	30.986	17	37.2	22.30	17	37.2	G	21	5924	A -0 4596
5		8.9Q	55 35.389	0.0011	09	-4 15 28.09	0.017	08	0.46	35.337	15	01.0	28.95	15	89.1	K0	GC	33238	-4 5989
6		8.5A	55 49.754	0.0020	09	-3 37 56.67	-0.093	11	0.22	49.721	16	33.7	55.15	16	33.7	F8	17	8182	A -4 5992
7		8.4A	55 57.713	-0.0057	09	-1 57 56.59	-0.112	09	0.22	57.806	16	33.7	54.76	16	33.7	G0	17	8183	A -2 6068
8		5.1M	56 6.762	-0.0033	01	-3 50 0.24	-0.068	01	0.05	6.884	03	13.2	-57.47	03	09.3	K0	F4	900	-4 5996
9		8.8A	56 14.347	0.0022	12	-9 6 10.67	0.002	12	0.25	14.311	16	33.7	10.71	16	33.7	F8	16	8440	A -9 6295
10		9.2A	56 17.878	0.0006	13	-4 33 59.55	-0.029	13	0.27	17.868	16	33.7	59.08	16	33.7	F5	F 17	8185	A -5 6093
11		8.3A	56 33.914	0.0022	12	-8 45 57.02	-0.041	12	0.25	33.878	16	33.7	56.36	16	33.7	A5	16	8441	A -9 6296
12		9.0A	56 36.340	0.0040	14	-0 51 42.13	-0.043	20	0.28	36.288	17	37.2	41.58	17	37.2	K	R 21	5925	A -1 4512
13		8.2A	56 37.063	-0.0019	14	-0 46 40.49	-0.032	20	0.28	37.087	17	37.2	40.08	17	37.2	K	21	5926	A -1 4513
14		8.9A	56 41.135	-0.0007	12	-7 10 8.30	-0.010	12	0.25	41.147	16	33.7	8.13	16	33.7	K0	16	8442	A -7 6123
15		7.3A	56 57.467	0.0023	09	-3 7 20.60	-0.011	11	0.22	57.430	16	33.7	20.42	16	33.7	F0	17	8186	A -3 5741
16		7.2A	57 0.753	0.0109	09	-2 7 43.83	0.022	09	0.22	0.575	16	33.7	44.19	16	33.7	F0	17	8187	A -2 6071
17		6.8T	57 6.714	0.0025	03	-6 10 14.35	-0.050	03	0.15	6.599	06	03.3	11.89	06	01.2	G5	GC	33273	B* -6 6335
18		7.0T	57 12.714	-0.0007	07	-0 33 29.41	-0.022	06	0.34	12.750	09	00.2	28.30	09	99.1	M0	GC	33276	-1 4514
19		8.1A	57 15.055	0.0053	11	-2 23 27.16	-0.040	11	0.23	14.969	16	33.7	26.51	16	33.7	G5	17	8188	A -2 6072
20		8.9A	57 17.041	0.0035	14	-1 28 34.90	0.094	20	0.28	16.995	17	37.2	36.10	17	37.2	G0	21	5929	A -2 6073
21		8.8A	57 26.191	0.0005	12	-5 46 21.45	-0.009	12	0.25	26.182	16	33.7	21.30	16	33.7	G5	16	8445	A -6 6337
22		9.2A	57 33.121	0.0014	12	-8 28 57.76	-0.024	12	0.25	33.098	16	33.6	37.36	16	33.6	K5	R 16	8446	A -9 6300
23		7.3T	57 37.682	0.0052	11	-0 38 18.05	0.016	13	0.68	37.401	17	95.5	18.90	17	97.2	K0	GC	33288	-1 4515
24		9.3A	57 50.160	0.0115	12	-9 22 14.95	-0.075	12	0.25	49.971	16	33.7	13.72	16	33.7	G5	16	8447	A -9 6301
25		9.0A	57 53.924	0.0022	14	-0 4 26.11	0.041	20	0.28	53.895	17	37.2	26.65	17	37.2	F8	21	5932	A* -0 4601
26		8.3A	57 58.026	0.0009	09	-3 35 6.30	0.006	09	0.22	58.012	16	33.7	6.40	16	33.7	K2	17	8190	A -4 6003
27		9.4A	58 3.775	0.0009	12	-7 4 32.71	0.025	12	0.25	3.760	16	33.7	33.11	16	33.7	F8	16	8448	A -7 6126
28		8.2A	58 5.214	0.0032	14	-0 3 19.63	-0.011	20	0.28	5.172	17	37.2	19.50	17	37.2	K0	21	5934	A -0 4603
29		9.2A	58 12.032	-0.0012	12	-7 46 16.15	-0.018	12	0.25	12.052	16	33.7	15.85	16	33.7	A5	16	8449	A -8 6227
30		8.9A	58 13.665	-0.0027	15	-9 47 43.92	0.017	15	0.30	13.709	18	33.7	44.19	16	33.7	K0	J 11	8320	A -10 6211
31		8.7Q	58 25.242	-0.0128	09	-5 12 31.54	-0.185	09	0.44	25.848	09	02.7	22.58	09	01.6	G5	GC	33303	-5 6097
32		8.1Q	58 29.074	0.0010	10	-6 6 48.04	-0.013	08	0.46	29.025	14	00.1	47.36	14	99.0	F5	GC	33304	-6 6341
33		8.1Q	58 33.607	-0.0009	08	-6 9 10.93	-0.026	07	0.41	33.654	14	99.7	9.58	14	98.6	K0	GC	33307	-6 6342
34		8.0A	58 36.253	0.0033	14	-0 21 12.77	-0.066	20	0.28	36.210	17	37.2	11.94	17	37.2	G	21	5936	A- -0 4605
35		8.8A	58 41.555	-0.0013	09	-2 37 5.61	-0.058	09	0.22	41.577	16	33.7	4.66	16	33.7	G5	17	8192	A -3 5746
36		9.3A	58 44.398	0.0002	12	-9 12 17.79	-0.008	12	0.25	44.395	16	33.7	17.65	16	33.7	G0	16	8452	A -9 6304
37		8.7A	58 58.870	0.0026	15	-9 42 30.22	0.024	15	0.30	58.827	18	33.7	30.61	16	33.7	G0	J 11	8326	A -10 6212
38		9.4A	59 1.429	0.0024	14	-0 24 58.36	-0.010	20	0.28	1.398	17	37.2	58.23	17	37.2	K2	21	5938	A* -0 4607
39		9.0A	59 8.233	0.0014	14	-1 25 6.48	0.004	20	0.28	8.215	17	37.2	6.53	17	37.2	A0	21	5939	A -1 4516
40		8.8A	59 8.635	0.0027	14	-0 29 40.45	-0.116	20	0.28	8.600	17	37.2	38.97	17	37.2	G5	21	5940	A -1 4517
41		5.1T	59 15.615	0.0009	02	-3 18 20.81	-0.004	02	0.14	15.566	06	92.9	20.57	06	90.5	B8	GC	33327	B* -3 5749
42		4.7H	59 23.719	0.0033	01	-6 17 30.91	-0.036	01	0.05	23.598	02	13.5	29.50	02	10.9	M3	F4	1630	-6 6345
43		9.0A	59 24.397	-0.0015	14	-0 8 56.60	-0.037	20	0.28	24.415	17	37.2	56.13	17	37.2	G5	21	5941	A -0 4608
44		8.3A	59 26.216	0.0025	09	-5 29 33.62	0.054	09	0.22	26.175	16	33.7	34.50	16	33.7	G5	17	8195	A -6 6346
45		6.9T	59 28.691	0.0018	06	-3 2 40.65	-0.005	05	0.33	28.594	10	95.0	40.37	10	92.8	A3	GC	33333	-3 5750
46		9.2A	59 37.969	0.0005	12	-9 15 14.90	0.002	12	0.25	37.960	16	33.6	14.93	16	33.6	K0	R 16	8455	A -9 6307
47		9.0A	59 39.849	0.0012	14	-0 45 49.76	-0.048	20	0.28	39.834	17	37.2	49.14	17	37.2	F8	21	5943	A* -1 4518
48		8.4A	59 43.265	0.0003	12	-9 27 11.30	-0.010	12	0.25	43.260	16	33.7	11.13	16	33.7	K0	16	8456	A -9 6309
49		9.2A	59 43.609	-0.0011	12	-7 14 55.88	0.018	12	0.25	43.626	16	33.7	56.17	16	33.7	K0	16	8457	A -7 6135
50		8.8A	59 50.546	0.0041	12	-6 20 14.03	-0.035	12	0.25	50.478	16	33.7	13.46	16	33.7	G0	16	8458	A -6 6348

- 0°
23H

147000

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	-10° 0H DM NUMBER
51		8.9A	0 0 0.156	0.0001	15	-10 59 43.79	-0.022	17	0.31	0.154	18	33.7	43.44	16	33.7	K2 J	11	8330	A -11 6185
52		9.0A	0 0.431	0.0017	21	-16 6 35.55	-0.006	15	0.34	0.402	18	33.7	35.45	16	33.7	G0 J	12A	8820	A -16 6407
53		8.6A	0 14.338	0.0024	21	-15 19 8.02	-0.007	15	0.34	14.299	18	33.7	7.90	16	33.7	F5 J	12A	8821	A -15 6532
54		9.0A	0 42.286	-0.0014	15	-11 16 23.63	-0.020	15	0.30	42.310	18	33.7	23.29	16	33.7	K0 J	11	8331	A -11 6188
55		8.2A	0 46.875	-0.0015	17	-12 13 21.69	-0.029	18	0.33	46.899	18	33.7	21.22	16	33.7	K0 J	11	8332	A -12 6602
56		9.0A	0 58.904	0.0009	21	-13 30 19.70	-0.000	15	0.34	58.889	18	33.7	19.69	16	33.7	K5 J	12A	8822	A -14 6608
57		8.7A	1 2.902	0.0057	20	-17 49 5.10	0.016	15	0.33	2.810	18	33.7	5.37	16	33.7	F8 J	12B	9990	A -18 6416
58		9.0A	1 7.003	0.0015	21	-14 21 49.28	0.009	15	0.34	6.979	18	33.7	49.42	16	33.7	F8 J	12A	8823	A -14 6609
59		4.6H	1 10.761	0.0017	01	-17 36 51.40	-0.004	01	0.05	10.699	02	13.9	51.26	02	14.1	A0	F4	905	-18 6417
60		8.8A	1 18.952	0.0013	21	-13 57 40.71	-0.010	15	0.34	18.930	18	33.7	40.54	16	33.7	F5 J	12A	8825	A -14 6611
61		9.2A	1 31.894	0.0017	21	-15 23 11.66	-0.009	15	0.34	31.866	18	33.7	11.51	16	33.7	F5 J	12A	8826	A -15 6534
62		8.8A	1 41.699	-0.0006	18	-17 42 11.15	-0.019	12	0.30	41.709	18	33.7	10.84	16	33.7	A0 J	12B	9992	A -18 6419
63		9.1A	1 45.942	-0.0046	21	-16 6 31.53	-0.066	15	0.34	46.017	18	33.7	30.45	16	33.7	G0 J	12A	8828	A -16 6410
64		5.8T	1 46.074	0.0025	06	-16 48 23.83	-0.055	06	0.30	45.968	12	07.4	21.36	12	05.1	K0	GC	33	B+-17 6868
65		8.6A	1 54.376	0.0020	15	-11 26 4.27	-0.034	17	0.31	54.346	18	33.7	3.70	16	33.7	G5 J	11	8335	A -11 6193
66		5.2T	1 56.533	-0.0006	04	-10 47 15.98	-0.007	04	0.23	56.565	10	98.4	15.62	10	94.8	K2	GC	36	B+-11 6194
67		8.8A	2 1.295	0.0044	15	-12 33 32.15	0.017	17	0.31	1.223	18	33.7	32.42	16	33.7	K0 J	11	8337	A -13 6511
68		8.7A	2 2.738	-0.0014	17	-19 42 58.02	-0.004	12	0.28	2.760	16	33.6	57.95	16	33.6	K2 J	13A	9994	A -20 6709
69		8.6A	2 19.406	-0.0019	20	-19 41 25.60	0.014	15	0.33	19.437	16	33.6	25.83	16	33.6	G0 J	13A	9996	A -20 6710
70		8.4A	2 20.414	0.0086	21	-17 7 56.50	-0.034	15	0.34	20.275	18	33.7	55.94	16	33.7	G5 J	12A	8830	A -17 6870
71		8.6A	2 23.596	-0.0001	18	-18 27 20.84	-0.085	13	0.31	23.599	18	33.7	19.46	16	33.7	G0 J	12B	9997	A -18 6421
72		9.2A	2 46.889	-0.0004	21	-15 21 10.79	0.011	15	0.34	46.895	18	33.7	10.97	16	33.7	K0 J	12A	1	A -15 6537
73		8.2A	2 52.935	0.0019	21	-14 42 0.02	-0.032	15	0.34	52.904	18	33.7	59.50	16	33.7	K0 J	12A	2	A -15 6539
74		8.9A	2 53.960	0.0044	17	-12 7 10.80	-0.024	18	0.33	53.888	18	33.7	10.41	16	33.7	G5 J	11	1	A -12 6609
75		8.9A	2 59.729	0.0032	13	-10 24 18.42	0.039	15	0.29	59.678	18	33.7	19.05	16	33.7	K0 J	11	3	A -10 6228
76		8.6A	3 9.843	-0.0027	21	-15 38 38.85	-0.017	15	0.34	9.888	18	33.7	38.57	16	33.7	K5 J	12A	3	A -16 6415
77		9.0A	3 10.355	0.0054	21	-15 13 20.75	-0.013	15	0.34	10.267	18	33.7	20.53	16	33.7	K0 J	12A	4	A -15 6541
78		9.1A	3 11.138	0.0038	20	-18 27 1.33	0.027	15	0.33	11.076	18	33.7	1.77	16	33.7	K J	12B	1	A -18 6424
79		9.0A	3 12.772	-0.0017	17	-19 56 45.81	-0.169	12	0.28	12.800	16	33.6	43.04	16	33.6	G0 J	13A	2	A -20 6718
80		9.2A	3 21.429	-0.0005	17	-14 42 39.07	-0.023	11	0.28	21.437	18	33.7	38.70	16	33.7	G0 J	12A	5	A -15 6542
81		7.1A	3 43.407	0.0009	15	-11 3 24.45	0.007	17	0.31	43.392	18	33.7	24.57	16	33.7	M1 J	11	5	A -11 6199
82		8.6A	3 46.289	0.0043	15	-12 17 44.18	0.015	15	0.30	46.219	18	33.7	44.41	16	33.7	F5 J	11	6	A -12 6611
83		9.2A	3 49.916	0.0010	17	-16 42 7.42	-0.030	11	0.28	49.900	18	33.7	6.93	16	33.7	K0 J	12A	6	A -17 6874
84		6.8A	3 51.651	0.0015	20	-18 18 59.67	0.010	15	0.33	51.627	18	33.7	59.83	16	33.7	F0 J	12B	3	A -18 6426
85		9.1A	3 53.777	-0.0000	21	-17 0 56.82	0.011	13	0.33	53.778	18	33.7	57.00	16	33.7	G5 J	12A	7	A -17 6875
86		9.1A	4 5.610	-0.0008	20	-17 54 24.00	-0.022	15	0.33	5.622	18	33.7	23.64	16	33.7	G0 J	12B	5	A -18 6427
87		9.4A	4 13.088	-0.0074	21	-14 1 34.04	-0.065	15	0.34	13.208	18	33.7	32.97	16	33.7	G0 J	12A	8	A -14 6619
88		8.7A	4 29.186	0.0031	15	-19 5 57.66	0.005	11	0.27	29.135	18	33.7	57.73	16	33.7	F5 J	12B	10	A -19 6570
89		8.7A	4 34.098	0.0045	21	-16 7 41.55	-0.029	15	0.34	34.024	18	33.7	41.07	16	33.7	F5 J	12A	9	A -16 6419
90		6.2T	4 45.060	-0.0015	13	-17 39 55.00	0.040	13	0.65	45.129	19	04.0	56.94	19	01.7	A3	GC	103	-18 6428
91		8.5A	4 49.535	-0.0027	15	-11 18 40.68	0.039	17	0.31	49.580	18	33.7	41.32	16	33.7	G5 J	11	8	A -11 6205
92		8.2A	4 49.824	-0.0011	15	-11 53 27.23	0.029	17	0.31	49.842	18	33.7	27.71	16	33.7	A2 J	11	9	A -12 6617
93		8.8A	4 57.684	-0.0027	15	-10 59 0.46	-0.087	17	0.31	57.729	18	33.7	58.88	16	33.7	G0 J	11	10	A -11 1
94		8.4A	5 15.006	0.0013	13	-11 24 26.06	0.015	15	0.29	14.986	18	33.7	26.31	16	33.7	G5 J	11	11	A -11 2
95		9.2A	5 17.127	0.0033	17	-15 36 41.23	0.002	11	0.28	17.074	18	33.7	41.26	16	33.7	G5 J	12A	10	A -16 2
96		9.1A	5 25.077	0.0076	21	-14 30 10.73	-0.078	15	0.34	24.954	18	33.7	9.46	16	33.7	G0 J	12A	11	A -15 3
97		9.0A	5 25.679	0.0062	21	-14 30 13.76	-0.071	15	0.34	25.577	18	33.7	12.60	16	33.7	G0 J	12A	12	A -15 3
98		8.0A	5 26.227	0.0014	20	-18 57 46.86	-0.010	15	0.33	26.204	18	33.7	46.69	16	33.7	K0 J	12B	12	A -19 2
99		9.0A	5 37.097	-0.0006	18	-15 58 20.41	0.017	13	0.31	37.108	18	33.7	20.68	16	33.7	G0 J	12A	13	A -16 6
00		7.0T	5 43.096	-0.0024	22	-15 6 8.97	0.001	15	0.91	43.205	21	04.4	9.01	18	01.8	G0	GC	125	-15 7

147100

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	-10° 0H DM NUMBER
1		8.5A	D 5 46.729	0.0071	18	-19 29 30.17	-0.114	15	0.31	46.613	16	33.7	28.31	16	33.7	G5 J	33A	14	A -20 3
2		8.5A	5 50.192	-0.0020	15	-19 30 7.34	-0.010	11	0.26	50.224	16	33.7	7.18	16	33.7	K0 J	33A	16	A -20 4
3		6.4T	6 0.275	-0.0002	12	-17 51 19.74	-0.021	11	0.67	0.286	18	95.8	18.56	15	93.3	M0	GC	129	-18 3
4		9.0A	6 16.932	0.0045	18	-15 23 27.05	-0.105	13	0.31	16.858	18	33.7	25.33	16	33.7	G5 J	12A	15	A -15 10
5		8.9A	6 20.394	0.0037	15	-11 23 45.17	-0.007	17	0.31	20.334	18	33.7	45.04	16	33.7	A5 J	11	12	A -11 6
6		9.4A	6 24.953	0.0016	21	-13 44 52.51	-0.023	15	0.34	24.927	18	33.7	52.13	16	33.7	G0 J	12A	16	A -14 5
7		8.8A	6 47.314	0.0031	21	-14 51 25.90	0.001	15	0.34	47.264	18	33.7	25.92	16	33.7	G5 J	12A	17	A -15 11
8		9.0A	6 47.627	0.0002	17	-18 46 26.09	-0.001	12	0.29	47.624	18	33.7	26.06	16	33.7	F8 J	12B	19	A -19 4
9		8.9A	6 54.991	-0.0030	15	-12 18 47.47	0.037	17	0.31	55.040	18	33.7	48.08	16	33.7	G0 J	11	13	A -12 8
10		8.2A	6 57.094	0.0012	13	-10 27 56.94	0.015	13	0.28	57.075	18	33.7	57.17	16	33.7	K0 J	11	14	A -10 9
11		9.2A	6 58.292	-0.0002	00	-17 34 23.26	0.010	15	0.24	58.295	18	33.7	23.42	16	33.7	G5 J	12B	20	A -18 6
12		9.4A	7 0.915	-0.0017	18	-15 59 45.31	0.004	13	0.31	0.942	18	33.7	45.37	16	33.7	G5 J	12A	19	A -16 11
13		8.9A	7 1.241	0.0002	21	-14 47 18.15	0.033	15	0.34	1.238	18	33.7	18.69	16	33.7	K7 J	12A	20	A -15 12
14		8.8A	7 2.733	0.0010	21	-14 27 17.86	-0.010	15	0.34	2.716	18	33.7	17.69	16	33.7	K0 J	12A	21	A -14 7
15		9.3A	7 3.837	-0.0024	18	-15 35 16.22	-0.013	13	0.31	3.876	18	33.7	16.00	16	33.7	G0 J	12A	22	A -16 12
16		9.2A	7 20.531	0.0019	21	-14 52 52.32	0.017	15	0.34	20.500	18	33.7	52.60	16	33.7	F8 J	12A	23	A -15 14
17		9.1A	7 25.155	0.0033	20	-17 31 36.36	-0.034	15	0.33	25.100	18	33.7	35.81	16	33.7	G5 J	12B	23	A -18 7
18		9.0A	7 34.795	0.0015	21	-15 27 16.91	-0.006	15	0.34	34.770	18	33.7	16.81	16	33.7	F8 J	12A	25	A -15 16
19		9.0A	7 41.881	0.0005	21	-13 54 47.45	0.032	15	0.34	41.873	18	33.7	47.97	16	33.7	G5 J	12A	26	A -14 9
20		9.0A	7 42.496	-0.0065	21	-14 56 41.58	-0.094	15	0.34	42.602	18	33.7	40.06	16	33.7	G5 J	12A	27	A -15 17
21		9.0A	7 47.008	0.0026	21	-17 3 34.66	-0.017	15	0.34	46.967	18	33.7	34.38	16	33.7	K0 J	12A	28	A -17 10
22		9.0A	7 47.929	0.0011	15	-11 14 31.49	0.020	15	0.30	47.911	18	33.7	31.82	16	33.7	F8 J	11	15	A -11 12
23		8.8A	7 49.354	0.0125	21	-14 15 47.34	0.074	15	0.34	49.151	18	33.7	48.54	16	33.7	G0 J	12A	29	A -14 11
24		8.6Q	7 49.804	0.0026	09	-12 3 49.95	-0.005	07	0.43	49.685	18	03.6	49.67	17	99.6	F0	GC	174	-12 10
25		8.2A	7 53.018	0.0055	21	-14 43 46.83	-0.027	15	0.34	52.929	18	33.7	46.39	16	33.7	F5 J	12A	30	A -15 18
26		8.6A	7 55.410	0.0013	13	-11 15 49.28	0.020	13	0.28	55.388	18	33.7	49.61	16	33.7	G5 J	11	17	A -11 15
27		5.9T	8 9.198	0.0105	07	-12 51 27.22	-0.034	05	0.27	8.771	09	09.2	25.79	07	07.3	K0	GC	181	-13 13
28		9.1A	8 10.247	-0.0010	17	-11 7 39.51	-0.024	18	0.33	10.263	18	33.7	39.11	16	33.7	K5 J	11	20	A -11 16
29		7.9A	8 20.397	0.0006	21	-14 10 51.31	0.033	15	0.34	20.388	18	33.7	51.84	16	33.7	K0 J	12A	31	A -14 16
30		7.8A	8 25.192	-0.0012	12	-18 51 1.91	-0.020	09	0.24	25.211	18	33.7	1.57	16	33.7	M0 J	12B	26	A -19 7
31		8.7A	8 31.280	0.0021	17	-11 9 21.96	-0.015	18	0.33	31.246	18	33.7	21.70	16	33.7	G5 J	11	21	A -11 19
32		9.2A	8 38.411	0.0088	21	-13 47 37.99	0.073	15	0.34	38.267	18	33.7	39.18	16	33.7	F8 J	12A	33	A -14 17
33		5.0T	8 43.198	-0.0056	03	-15 44 32.63	-0.264	03	0.16	43.463	07	02.8	19.32	07	99.6	F5	GC	190	B+-16 17
34		9.0A	8 52.780	-0.0054	21	-13 18 36.40	-0.109	15	0.34	52.868	18	33.7	34.63	16	33.7	G0 J	12A	35	A -13 18
35		9.1A	8 56.349	0.0052	20	-18 59 6.18	-0.003	15	0.33	56.264	18	33.7	6.12	16	33.7	F5 J	12B	28	A -19 10
36		6.9T	9 2.551	0.0052	17	-18 52 43.78	0.019	16	0.83	2.304	24	02.4	44.70	22	00.5	G5	GC	198	-19 11
37		8.7A	9 3.988	0.0011	18	-18 14 48.90	-0.004	12	0.30	3.970	18	33.7	48.84	16	33.7	K2 J	12B	30	A -18 11
38		8.6A	9 15.048	0.0061	20	-17 50 8.15	0.015	15	0.33	14.948	18	33.7	8.40	16	33.7	G5 J	12B	31	A -18 12
39		8.9A	9 17.725	0.0118	18	-19 58 53.02	-0.042	13	0.30	17.533	16	33.7	52.34	16	33.7	G0 J	13A	32	A -20 16
40		8.6A	9 20.532	0.0060	15	-11 26 33.59	-0.015	17	0.31	20.434	18	33.7	33.35	16	33.7	G5 J	11	25	A -11 21
41		9.0A	9 28.494	-0.0001	21	-17 5 30.03	-0.007	15	0.34	28.496	18	33.7	29.92	16	33.7	K0 J	12A	36	A -17 14
42		6.6T	9 29.909	-0.0030	15	-14 5 27.14	-0.003	15	0.81	30.062	22	98.2	26.97	21	97.2	G5	GC	209	-14 19
43		9.0A	9 34.497	0.0057	21	-16 7 11.97	-0.024	15	0.34	34.404	18	33.7	11.57	16	33.7	K0 J	12A	38	A -16 20
44		5.5T	9 37.056	0.0037	07	-18 12 57.76	-0.027	06	0.26	36.920	10	13.2	56.69	10	10.4	K2	GC	214	B+-18 14
45		8.6A	9 41.035	-0.0001	21	-15 26 33.20	0.002	15	0.34	41.036	18	33.7	33.23	16	33.7	G5 J	12A	39	A -15 22
46		8.8A	9 53.102	0.0021	17	-18 48 49.62	-0.038	12	0.29	53.067	18	33.7	48.99	16	33.7	K0 J	12B	34	A -19 14
47		9.4A	9 56.552	0.0012	21	-15 51 41.73	-0.022	15	0.34	56.533	18	33.7	41.36	16	33.7	F5 J	12A	40	A -16 23
48		7.9A	10 0.090	0.0003	15	-11 58 15.97	0.000	17	0.31	0.085	18	33.7	15.98	16	33.7	A5 J	11	26	A -12 14
49		8.2A	10 3.684	0.0002	21	-13 53 17.88	0.006	15	0.34	3.680	18	33.7	17.97	16	33.7	A0 J	12A	41	A -14 23
50		8.6A	10 24.428	-0.0008	20	-18 1 58.47	0.013	15	0.33	24.440	18	33.7	58.69	16	33.7	K5 J	12B	36	A -18 18
51		9.3A	D 10 28.704	0.0035	21	-15 48 8.65	-0.002	15	0.34	28.647	18	33.7	8.61	16	33.7	G0 J	12A	42	A -16 25
52		9.0A	10 39.354	-0.0013	21	-17 26 44.44	0.013	15	0.34	39.375	18	33.7	44.65	16	33.7	G0 J	12A	43	A -17 16
53		8.0A	10 41.009	0.0013	15	-17 27 46.44	0.008	11	0.27	40.988	18	33.7	46.57	16	33.7	K0 J	12B	38	A -17 17
54		9.3A	10 49.483	-0.0036	21	-15 46 24.20	-0.009	15	0.34	49.542	18	33.7	24.05	16	33.7	G0 J	12A	45	A -16 28
55		9.2A	11 2.200	0.0068	21	-15 59 15.90	0.028	15	0.34	2.090	18	33.7	16.35	16	33.7	F8 J	12A	46	A -16 29
56		9.2A	11 4.395	0.0035	21	-15 13 20.79	0.018	15	0.34	4.338	18	33.7	21.08	16	33.7	K0 J	12A	47	A -15 26
57		8.8A	11 21.407	0.0001	13	-10 10 33.51	0.003	15	0.29	21.406	18	33.7	33.57	16	33.7	F8 J	11	27	A -10 23
58		8.6A	11 22.804	0.0004	15	-10 1 14.14	-0.015	17	0.31	22.798	18	33.7	13.88	16	33.7	K0 J	11	28	A -10 25
59		8.9A	11 26.479	0.0122	13	-11 13 54.46	0.041	15	0.29	26.280	18	33.7	55.12	16	33.7	K0 J	11	29	A -11 28
60		8.9A	11 29.399	0.0015	17	-11 48 2.45	0.010	18	0.33	29.374	18	33.7	2.62	16	33.7	F8 J	11	31	A -12 21
61		8.6Q	11 29.978	0.0279	09	-11 35 13.43	-0.192	08	0.46	28.618	17	01.2	3.20	17	96.8	G5	GC	258	-12 20
62		8.9A	11 39.743	-0.0015	20	-18 48 39.86	0.001	15	0.33	39.767	18	33.7	39.87	16	33.7	F2 J	12B	42	A -19 17
63		8.8A	11 41.727	0.0015	15	-12 35 51.41	0.017	17	0.31	41.702	18	33.7	51.68	16	33.7	G5 J	11	32	A -13 27
64		8.8A	11 44.185	0.0040	18	-14 43 8.76	0.013	13	0.31	44.119	18	33.7	8.98	16	33.7	F5 J	12A	48	A -15 28
65		9.0A	11 55.175	-0.0004	21	-17 31 18.70	0.026	15	0.34	55.180	18	33.7	19.12	16	33.7	K5 J	12A	49	A -18 27
66		9.0A	11 55.457	0.0003	20	-18 42 33.34	0.005	15	0.33	55.452	18	33.7	33.41	16	33.7	K2 J	12B	47	A -19 20
67		7.0T	11 55.551	-0.0053	14	-14 42 29.29	-0.120	12	0.73	55.819	24	99.3	22.87	21	96.3	F5	GC	268	-15 30
68		8.6A	11 57.721	-0.0001	21	-16 56 58.00	0.015	15	0.34	57.723	18	33.7	58.25	16	33.7	K0 J	12A	51	A -17 20
69		4.7T	12 6.096	-0.0019	04	-19 12 34.97	-0.063	04	0.24	6.200	09	95.4	31.37	09	93.3	M0	GC	272	B+-19 21
70		6.9T	12 7.210	0.0066	20	-15 4 56.97	-0.025	18	0.92	6.908	24	04.3	55.74	21	01.7	G5	GC	273	B+-15 32
71		8.3A	12 8.049	0.0009	15	-13 1 33.66	0.010	17	0.31	8.034	18	33.7	33.82	16	33.7	K0 J	11	34	A -13 31
72		8.8A	12 9.081	0.0038	17	-10 12 41.44	-0.008	17	0.32	9.020	18	33.7	41.30	16	33.7	F8 J	11	35	A -10 29
73		9.1A	12 11.493	0.0012	18	-17 25 53.77	0.028	13	0.31	11.474	18	33.7	54.22	16	33.7	F5 J	12A	53	A -17 22
74		9.4A	12 13.963	-0.0004	21	-16 10 12.50	0.006	15	0.34	13.970	18	33.7	12.59	16	33.7	G0 J	12A	54	A -16 34
75		6.9T	12 15.706	-0.0046	16	-14 27 18.88	-0.061	15	0.79	15.928	21	01.4	15.83	21	00.3	A2	GC	278	-14 29
76		8.7A	12 28.593	0.0050	18	-16 19 57.16	0.019	13	0.31	28.511	18	33.7	57.47	16	33.7	F0 J	12A	57	A -16 37
77		9.0A	12 32.856	0.0025	21	-16 30 8.80	0.023	15	0.34	32.816	18	33.7	9.18	16	33.7	K5 J	12A	58	A -17 23
78		8.9A	12 33.326	0.0006	20	-17 32 11.49	-0.017	15	0.33	33.317	18	33.7	11.21	16	33.7	A0 J	12B	50	A -18 30
79		8.0A	12 43.755	0.0020	21	-17 2 1.52	-0.012	15	0.34	43.723	18	33.7	1.32	16	33.7	F2 J	12A	60	A -17 24
80		8.8A	12 51.048	0.0058	15	-12 51 43.84	0.029	17	0.31	50.954	18	33.7	44.32	16	33.7	G0 J	11	38	A -13 34
81		8.4A	12 51.666	0.0026	21	-13 19 55.73	-0.009	15	0.34	51.625	18	33.7	55.59	16	33.7	A5 J	12A	61	A -13 35
82		9.1A	12 56.631	0.0019	17	-13 24 45.71	0.010	11	0.28	56.601	18	33.7	45.88	16	33.7	F8 J	12A	62	A -13 37
83		8.8A	12 58.731	0.0011	18	-18 11 29.44	0.006	15	0.32	58.713	18	33.7	29.54	16	33.7	G J	12B	51	A -18 31
84		9.2A	13 0.546	0.0040	21	-14 30 0.36	0.013	15	0.34	0.480	18	33.7	0.57	16	33.7	G5 J	12A	63	A -15 34
85		8.8A	13 7.354	0.0015	13	-11 18 36.78	0.019	15	0.29	7.329	18	33.7	37.08	16	33.7	K0 J	11	41	A -11 33
86		8.3Q	13 16.063	-0.0003	14	-12 16 4.78	-0.015	10	0.60	16.078	19	05.1	4.05	19	99.4	A2	GC	301	-12 28
87		9.0A	13 20.033	0.0031	18	-19 13 21.13	-0.089	15	0.32	19.983	18	33.7	20.16	16	33.7	K0 J	12B	52	A -19 23
88		8.8A	13 32.066	0.0015	18	-14 19 52.76	0.010	13	0.31	32.042	18	33.7	52.92	16	33.7	G5 J	12A	64	A -14 32
89		9.0A	13 38.410	-0.0005	21	-14 52 7.37	0.022	15	0.34	38.418	18	33.7	7.73	16	33.7	K2 J	12A	65	A -15 36
90		9.2A	13 43.212	-0.0024	21	-13 45 57.38	-0.025	15	0.34	43.251	18	33.7	56.97	16	33.7	G0 J	12A	66	A -14 33
91		8.2A	13 46.055	0.0025	21	-14 44 59.02	0.003	15	0.34	46.015	18	33.7	59.08	16	33.7	F8 J	12A	67	A -15 38
92		8.6A	13 50.076	-0.0032	20	-19 40 31.21	-0.154	15	0.33	50.128	16	33.7	28.70	16	33.7	G5 J	13A	54	A -20 32
93		8.8A	13 57.385	0.0077	20	-18 31 53.79	-0.036	15	0.33	57.259	18	33.7	53.19	16	33.7	G5 J	12B	55	A -19 25
94		8.4A	14 1.283	0.0009	18	-18 10 25.71	0.073	15	0.32	1.268	18	33.7	26.90	16	33.7	F5 J	12B	57	A -18 34
95		7.1T	14 1.439	-0.0021	14	-13 40 52.33	-0.012	12	0.75	1.549	22	96.8	51.63	19	93.4	A3	GC	317	-14 35
96		8.7A	14 20.400	-0.0022	21	-14 59 43.95	-0.004	15	0.34	20.436	18	33.7	43.89	16	33.7	A5 J	12A	69	A -15 41
97		9.1A	14 21.385	0.0003	21	-15 45 5.78	-0.027	15	0.34	21.380	18	33.7	5.33	16	33.7	F8 J	12A	70	A -16 40
98		9.0A	14 28.082	0.0010	13	-10 44 24.99	0.022	15	0.29	28.066	18	33.7	25.34	16	33.7	G5 J	11	44	A -11 37
99		8.8A	14 29.743	0.0008	18	-14 37 14.63	-0.046	13	0.31	29.730	18	33.7	15.39	16	33.7	K0 J	12A	71	A -15 42
00		9.0A	14 30.653	-0.0009	21	-13 20 19.94	-0.005	15	0.34	30.668	18	33.7	19.85	16	33.7	K0 J	12A	72	A -13 40

147200			EPOCH 1950								ORIGINAL EPOCH						SP.	SOURCE		-10° 0H
NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.		CAT.	STAR NUMBER	DM NUMBER
1		8.6B	0 14 33.899	0.0015	11	-12 19 4.45	0.017	08	0.51	33.831	18	03.5	5.29	17	99.1	FO		GC	336	-12 34
2		8.9A	14 34.349	0.0025	20	-16 2 33.06	-0.028	15	0.33	34.509	18	33.7	32.60	16	33.7	K5	J	12B	61	A -16 36
3		8.8A	14 41.886	0.0056	21	-15 16 23.12	-0.035	15	0.34	41.734	18	33.7	22.54	16	33.7	K0	J	12A	73	A -15 44
4		9.3A	14 52.261	-0.0036	21	-15 4 38.30	-0.015	15	0.34	52.319	18	33.7	38.05	16	33.7	K0	J	12A	74	A -15 46
5		6.5T	15 0.473	0.0009	10	-19 19 43.54	0.007	08	0.56	0.420	19	91.4	43.94	17	89.3	F0		GC	343	-19 30
6		8.9A	15 8.708	-0.0000	15	-11 29 34.23	-0.017	17	0.31	8.709	18	33.7	33.96	16	33.7	K0	J	11	47	A -12 35
7		8.7A	15 20.220	-0.0025	20	-17 50 39.33	0.014	15	0.33	20.262	18	33.7	39.56	16	33.7	K0	J	12B	64	A -18 38
8		6.6T	15 23.917	0.0278	09	-13 43 59.06	0.020	09	0.56	23.269	15	90.8	0.24	14	90.0	G0		GC	354	-14 42
9		9.0A	15 32.517	0.0012	21	-14 35 19.75	0.044	15	0.34	32.498	18	33.7	20.47	16	33.7	K0	J	12A	76	A -15 49
10		8.9A	16 9.346	0.0007	18	-17 18 31.23	0.021	15	0.32	9.336	18	33.7	31.57	16	33.7	K0	J	12B	68	A -17 35
11		9.4A	16 13.843	0.0001	15	-19 38 14.64	0.017	11	0.26	13.840	16	33.7	14.92	16	33.7	F5	J	13A	69	A -20 39
12		8.2B	16 14.804	-0.0000	08	-11 13 35.49	-0.010	07	0.42	14.805	17	97.1	34.95	15	93.3	F5		GC	382K	-11 44
13		8.3A	16 22.752	0.0022	18	-11 51 39.95	-0.010	20	0.35	22.716	18	33.7	59.78	16	33.7	F2	J	11	49	A -12 40
14		9.0A	16 28.730	0.0018	21	-16 16 28.63	0.017	15	0.34	28.701	18	33.7	28.90	16	33.7	G0	J	12A	78	A -16 45
15		8.8A	16 50.196	0.0003	21	-15 6 36.05	0.003	15	0.34	50.191	18	33.7	36.09	16	33.7	G5	J	12A	79	A -15 52
16		8.3A	16 56.705	0.0022	18	-17 57 24.19	0.049	15	0.32	56.669	18	33.7	24.99	16	33.7	G5	J	12B	71	A -18 39
17		9.0A	17 14.482	0.0025	18	-19 34 46.92	-0.058	13	0.30	14.441	16	33.7	45.98	16	33.7	K0	J	13A	73	A -20 42
18		7.9A	17 15.121	0.0001	18	-12 38 7.60	-0.002	20	0.35	15.120	18	33.7	7.58	16	33.7	K0	J	11	50	A -13 51
19		9.4A	17 20.419	-0.0009	21	-15 57 41.54	-0.035	15	0.34	20.434	18	33.7	40.96	16	33.7	K0	J	12A	80	A -16 48
20		9.0A	17 30.326	0.0031	18	-17 45 10.47	0.028	13	0.31	30.275	18	33.7	10.92	16	33.7	F5	J	12B	74	A -18 40
21		6.9H	17 30.838	0.0034	03	-17 58 40.32	-0.004	03	0.09	30.755	04	23.7	40.20	05	23.4	K0		F4	1007	-18 41
22		9.4A	17 32.242	0.0025	21	-16 32 18.34	0.009	15	0.34	32.201	18	33.7	18.48	16	33.7	F8	J	12A	82	A -17 38
23		6.9T	17 37.896	0.0034	12	-13 20 20.85	0.022	11	0.66	37.715	21	96.1	22.02	19	95.4	G5		GC	405	-13 52
24		7.9A	17 44.153	-0.0005	15	-11 26 43.22	0.007	17	0.31	44.162	18	33.7	43.34	16	33.7	F0	J	11	53	A -11 46
25		9.0A	18 12.843	-0.0117	21	-15 56 34.71	-0.115	15	0.34	13.034	18	33.7	32.83	16	33.7	K0	J	12A	85	A -16 51
26		8.8A	18 14.522	-0.0003	21	-13 54 32.56	0.016	15	0.34	14.527	18	33.7	32.81	16	33.7	G5	J	12A	86	A -14 49
27		9.2A	18 28.773	-0.0040	21	-16 24 3.35	-0.042	15	0.34	28.838	18	33.7	2.66	16	33.7	G5	J	12A	87	A -16 52
28		8.3A	18 48.913	-0.0025	15	-10 57 38.51	0.042	17	0.31	48.955	18	33.7	39.20	16	33.7	G5	J	11	56	A -11 52
29		8.2B	19 3.612	-0.0013	08	-16 29 5.10	-0.003	09	0.47	3.679	18	98.9	4.93	17	98.9	F5		GC	434	-17 42
30		8.5A	19 24.665	0.0013	15	-10 10 55.79	0.046	17	0.31	24.645	18	33.7	56.54	16	33.7	F5	J	11	57	A -10 56
31		8.7A	19 27.550	0.0006	15	-12 17 16.23	0.031	17	0.31	27.541	18	33.7	16.72	16	33.7	K0	J	11	58	A -12 50
32		9.0A	19 39.850	0.0006	21	-13 44 34.07	-0.013	15	0.34	39.840	18	33.7	33.85	16	33.7	F5	J	12A	89	A -14 55
33		9.0A	19 41.716	0.0026	18	-18 5 27.78	0.014	15	0.32	41.673	18	33.7	28.01	16	33.7	F2	J	12B	79	A -18 44
34		9.2A	19 59.576	0.0050	18	-17 23 32.68	0.039	15	0.32	59.495	18	33.7	33.31	16	33.7	F5	J	12B	80K	A -17 43
35		8.8A	20 1.960	0.0030	17	-12 34 32.60	-0.051	18	0.33	1.911	18	33.7	31.78	16	33.7	G0	J	11	59	A -13 59
36		8.3A	20 14.431	0.0020	21	-16 50 40.08	-0.004	15	0.34	14.399	18	33.7	40.01	16	33.7	K5	J	12A	91	A -17 45
37		6.4T	20 18.035	0.0266	03	-12 29 14.89	0.065	02	0.16	16.523	06	93.1	18.74	06	90.3	G0		GC	452	B+ -13 60
38		8.9A	20 19.974	0.0017	21	-13 47 29.73	-0.048	15	0.34	19.946	18	33.7	28.94	16	33.7	K2	J	12A	92	A -14 56
39		8.8A	20 23.531	0.0012	20	-16 57 4.30	0.020	11	0.31	23.511	18	33.7	4.62	16	33.7	K2	J	12A	93	A -17 46
40		9.0A	20 26.454	0.0009	21	-16 8 34.90	-0.014	15	0.34	26.440	18	33.7	34.67	16	33.7	K5	J	12A	94	A -16 57
41		6.6T	20 32.183	0.0046	05	-16 13 12.59	0.035	05	0.26	31.980	12	05.8	14.28	12	01.5	M0		GC	459	B+ -16 58
42		9.2A	20 32.353	0.0015	21	-15 4 9.70	0.031	15	0.34	32.329	18	33.7	10.20	16	33.7	F8	J	12A	96	A -15 58
43		8.7A	20 40.516	-0.0044	21	-13 26 42.23	-0.007	15	0.34	40.568	18	33.7	42.12	16	33.7	F5	J	12A	98	A -13 63
44		8.9A	20 41.077	0.0008	18	-11 34 37.59	0.073	20	0.35	41.064	18	33.7	38.77	16	33.7	F5	J	11	65	A -12 53
45		7.4A	20 53.384	0.0043	16	-19 10 6.26	-0.032	13	0.31	53.314	18	33.7	5.75	16	33.7	G5	J	12B	82	A -19 48
46		9.0A	21 5.327	0.0041	21	-14 21 50.88	-0.005	15	0.34	5.260	18	33.7	50.79	16	33.7	G0	J	12A	99	A -14 58
47		9.1A	21 9.450	0.0055	21	-14 27 1.71	-0.028	15	0.34	9.360	18	33.7	1.25	16	33.7	G0	J	12A	100	A -14 59
48		8.9A	21 16.409	0.0062	17	-16 43 44.36	0.033	13	0.30	16.308	18	33.7	44.90	16	33.7	K0	J	12A	101	A -17 50
49		9.2A	21 18.723	-0.0004	21	-16 50 18.20	0.032	15	0.34	18.731	18	33.7	18.72	16	33.7	A7	J	12A	102	A -17 51
50		8.6A	21 24.125	0.0048	18	-14 37 23.85	0.006	13	0.31	24.047	18	33.7	23.95	16	33.7	G0	J	12A	103	A -15 60
51		7.0A	0 21 27.578	0.0075	16	-18 5 16.26	0.053	15	0.32	27.455	18	33.7	17.13	16	33.7	F5	J	12B	84	A -18 49
52		9.4A	21 41.245	0.0016	21	-17 2 48.64	-0.009	15	0.34	41.220	18	33.7	48.49	16	33.7	A2	J	12A	105	A -17 54
53		9.1A	21 52.900	-0.0027	13	-10 55 25.30	0.066	15	0.29	52.945	18	33.7	26.37	16	33.7	G0	J	11	68	A -11 63
54		9.2A	21 58.633	0.0015	21	-16 30 12.83	0.026	15	0.34	58.609	18	33.7	13.25	16	33.7	K5	J	12A	106	A -17 55
55		8.9A	22 6.479	0.0013	21	-16 0 51.77	0.016	15	0.34	6.458	18	33.7	52.03	16	33.7	G5	J	12A	107	A -16 61
56		9.2A	22 14.698	-0.0003	21	-15 0 36.82	0.007	15	0.34	14.702	18	33.7	36.93	16	33.7	K5	J	12A	108	A -15 63
57		8.0B	22 17.670	0.0003	08	-11 59 15.90	-0.015	07	0.42	17.656	18	99.7	15.04	17	94.7	F2		GC	486	-12 59
58		7.0A	22 18.208	-0.0001	18	-18 44 52.38	-0.047	13	0.31	18.210	18	33.7	51.60	16	33.7	G5	J	12B	86	A -19 53
59		8.4B	22 21.967	0.0001	10	-16 18 18.30	0.006	09	0.49	21.963	18	01.5	18.60	17	98.4	K0		GC	487	-16 63
60		8.9A	22 22.183	0.0004	15	-12 14 40.25	0.034	17	0.31	22.176	18	33.7	40.81	16	33.7	F8	J	11	70	A -12 60
61		8.9A	22 25.020	0.0021	20	-18 39 27.77	-0.107	15	0.33	24.985	18	33.7	26.02	16	33.7	K0	J	12B	87	A -19 54
62		9.0A	22 32.836	0.0046	18	-15 43 16.56	-0.018	13	0.31	32.761	18	33.7	16.26	16	33.7	F5	J	12A	110	A -16 64
63		7.3T	22 51.310	0.0012	10	-17 42 13.37	-0.053	10	0.61	51.241	18	92.3	10.31	18	92.1	K2		GC	497	-18 51
64		9.0A	23 0.374	0.0128	21	-16 24 37.16	0.044	15	0.34	0.166	18	33.7	37.87	16	33.7	G5	J	12A	111	A -16 65
65		6.5A	23 3.676	-0.0003	20	-19 5 33.55	0.002	15	0.33	3.680	18	33.7	33.57	16	33.7	F5	J	12B	90K	A -19 55
66		9.2A	23 6.021	0.0014	21	-16 4 0.96	0.051	15	0.34	5.998	18	33.7	1.79	16	33.7	K7	J	12A	112	A -16 67
67		8.6A	23 8.751	0.0004	18	-17 50 39.39	0.021	15	0.32	8.745	18	33.7	39.73	16	33.7	K5	J	12B	92	A -18 52
68		9.1A	23 18.834	0.0007	13	-10 43 45.01	0.003	15	0.29	18.823	18	33.7	45.07	16	33.7	F8	J	11	71	A -11 66
69		9.1A	23 23.314	0.0008	21	-13 31 55.41	-0.013	15	0.34	23.301	18	33.7	55.19	16	33.7	F5	J	12A	113	A -14 62
70		9.2A	23 29.178	0.0103	21	-16 28 10.94	0.057	15	0.34	29.009	18	33.7	11.86	16	33.7	F8	J	12A	114	A -17 57
71		8.9A	23 34.147	-0.0002	21	-13 21 14.46	-0.046	15	0.34	34.150	18	33.7	13.72	16	33.7	F5	J	12A	115	A -13 69
72		9.0A	23 34.299	0.0007	21	-15 58 54.02	0.007	15	0.34	34.286	18	33.7	54.13	16	33.7	K0	J	12A	116	A -16 68
73		8.3A	23 36.129	0.0021	15	-11 39 12.13	-0.061	17	0.31	36.095	18	33.7	11.15	16	33.7	F8	J	11	74	A -12 63
74		9.0A	23 48.769	-0.0004	15	-10 5 11.38	-0.007	15	0.30	48.835	18	33.7	11.25	16	33.7	G0	J	11	75	A -10 72
75		6.5T	23 50.318	-0.0002	14	-18 58 12.58	-0.002	13	0.65	50.327	18	06.3	12.46	18	02.3	M0		GC	520	-19 58
76		9.0A	23 51.227	0.0024	21	-14 3 22.43	-0.015	15	0.34	51.187	18	33.7	22.18	16	33.7	K7	J	12A	117	A -14 64
77		9.2A	23 57.656	0.0033	21	-14 2 16.79	0.002	15	0.34	57.602	18	33.7	16.82	16	33.7	K5	J	12A	118	A -14 66
78		9.2A	24 2.119	0.0019	20	-19 9 56.07	0.047	15	0.33	2.088	18	33.7	56.83	16	33.7	K0	J	12B	98	A -19 59
79		8.6A	24 5.045	-0.0019	21	-14 18 19.54	-0.078	15	0.34	5.076	18	33.7	18.27	16	33.7	F8	J	12A	119	A -14 67
80		8.9A	24 29.795	0.0014	15	-11 24 49.43	0.012	17	0.31	29.772	18	33.7	49.61	16	33.7	K5	J	11	76	A -11 71
81		9.0A	24 30.450	0.0002	15	-12 58 35.22	0.007	17	0.31	30.448	18	33.7	35.33	16	33.7	K5	J	11	77	A -13 75
82		7.9A	24 34.530	-0.0006	15	-10 8 57.44	-0.031	17	0.31	34.541	18	33.7	56.95	16	33.7	G5	J	11	78	A -10 76
83		8.6A	24 39.971	-0.0007	21	-14 31 30.34	0.002	15	0.34	39.983	18	33.7	30.38	16	33.7	K2	J	12A	120	A -15 70
84		8.7A	24 51.512	-0.0025	18	-18 7 26.29	-0.009	15	0.32	51.553	18	33.7	26.14	16	33.7	K0	J	12B	101	A -18 59
85		8.8A	25 3.595	0.0004	18	-15 43 51.31	-0.002	13	0.31	3.588	18	33.7	51.27	16	33.7	F0	J	12A	121	A -16 75
86		7.2T	25 8.206	0.0133	09	-16 41 11.37	0.036	07	0.42	7.573	12	02.3	13.17	10	00.0	F8		GC	538K	-17 61
87		9.0A	25 13.379	-0.0028	20	-17 36 28.70	0.048	15	0.33	13.425	18	33.7	29.48	16	33.7	A5	J	12B	103	A -18 62
88		9.0A	25 13.588	0.0002	15	-19 35 40.87	0.001	11	0.26	13.584	16	33.7	40.69	16	33.7	K2	J	13A	104	A -20 69
89		7.5H	25 28.277	0.0026	02	-11 56 6.61	-0.011	03	0.07	28.216	04	26.7	6.34	04	24.6	M3		F4	1011	-12 72
90		8.8A	25 38.522	-0.0003	15	-10 46 38.72	-0.031	15	0.30	38.527	18	33.7	38.22	16	33.7	G	J	11	81	A -11 73
91		9.4A	25 47.533	0.0005	21	-13 36 43.34	-0.008	15	0.34	47.525	18	33.7	43.20	16	33.7	F5	J	12A	125	A -14 68
92		6.9T	26 0.792	0.0080	17	-11 30 48.58	-0.002	14	0.84	0.386	22	99.0	48.50	21	96.5	F5		GC	559	-12 75
93		9.1A	26 4.113	-0.0247	21	-16 29 57.64	-0.199	15	0.34	4.515	18	33.7	54.39	16	33.7	K5	J	12A	126	A -17 63
94		9.2A	26 6.357	-0.0013	20	-17 29 53.25	0.023	15	0.33	6.378	18	33.7	53.62	16	33.7	F5	J	12B	107	A -18 64
95		9.0A	26 12.070	0.0007	15	-10 35 8.07	0.019	17	0.31	12.060	18	33.7	8.38	16	33.7	A2	J	11	86	A -11 76
96		9.0A	26 12.232	0.0012	21	-14 41 15.62	-0.001	15	0.34	12.212	18	33.7	15.61	16	33.7	K0	J	12A	128K	A -15 74
97		6.7A	26 15.645	0.0021	15	-11 10 10.52	-0.039	17	0.31	15.611	18	33.7	9.89	16	33.7	F5	J	11	87	A -11 77
98		9.0A	26 32.782	0.0034	18	-17 29 35.14	0.012	12	0.30	32.727	18	33.7	35.33	16	33.7	F0	J	12B	108	A -18 67
99		7.7T	26 38.261	0.0015	07	-11 52 29.29	0.027	07	0.41	38.183	17	96.7	30.77	15	94.3	K2		GC	569	-12 77
00		8.4A	26 40.251	-0.0012	15	-11 23 8.22	0.008	17	0.31	40.270	18	33.7	8.35	16	33.7	A2	J	11	89	A -11 78

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EPOCH 1950 — ORIGINAL EPOCH — SOURCE — -10° 0H

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	α_{1950} h m s	μ s	σ_μ ".001	δ_{1950} ° ′ ″	μ' ″	σ'_μ ".001	σ_{1950} ″	α_2 s	σ ".01	ep.	δ_2 ″	σ' ".01	ep.	SP.	CAT.	STAR NUMBER	DM NUMBER
1		9.2A	0 26 41.191	0.0021	20	-18 6 4.37	-0.014	15	0.33	41.157	18	33.7	4.14	16	33.7	F5 J	12B	109	A -18 68
2		8.0A	26 42.758	0.0019	21	-15 20 29.52	0.016	15	0.34	42.726	18	33.7	29.78	16	33.7	K2 J	12A	130	A -15 78
3		9.1A	26 43.741	-0.0004	20	-19 48 31.11	-0.010	15	0.33	43.748	16	33.7	30.95	16	33.7	K0 J	13A	110	A -20 77
4		8.7A	26 44.084	0.0004	21	-13 50 11.99	0.013	15	0.34	44.077	18	33.7	12.20	16	33.7	F5 J	12A	131	A -14 71
5		8.9A	26 55.689	0.0136	15	-11 17 33.61	-0.044	17	0.31	55.467	18	33.7	32.88	16	33.7	G5 J	11	90	A -11 79
6		9.1A	27 14.625	-0.0045	17	-17 29 4.36	-0.078	12	0.29	14.699	18	33.7	3.09	16	33.7	G0 J	12B	111	A -18 70
7		6.2T	27 19.825	0.0095	06	-15 8 23.56	-0.027	06	0.38	19.274	12	92.1	21.90	14	89.3	F2	GC	579	-15 84
8		8.8A	27 24.966	0.0007	20	-19 19 7.57	-0.012	15	0.33	24.954	16	33.7	7.36	16	33.7	F2 J	13A	112	A -19 65
9		8.8A	27 28.412	0.0006	21	-14 41 59.42	0.004	15	0.34	28.402	18	33.7	59.49	16	33.7	F5 J	12A	134	A -15 85
10		8.9A	27 38.192	-0.0011	13	-12 37 22.34	-0.002	15	0.29	38.210	18	33.7	22.30	16	33.7	K0 J	11	92	A -13 85
11		8.6A	27 42.814	-0.0105	18	-19 28 0.70	-0.264	13	0.30	42.984	16	33.7	56.39	16	33.7	G0 J	13A	114	A -19 67
12		8.2Q	27 54.800	0.0101	18	-16 11 31.81	-0.000	16	0.78	54.363	18	06.7	31.81	18	03.9	F8	GC	592	-16 81
13		8.7A	27 56.348	0.0064	21	-15 23 58.97	0.002	15	0.34	56.244	18	33.7	59.00	16	33.7	K0 J	12A	136	A -15 86
14		8.6A	28 3.053	-0.0007	21	-13 59 28.97	-0.009	15	0.34	3.065	18	33.7	28.82	16	33.7	G5 J	12A	137	A -14 75
15		7.8A	28 6.598	0.0107	20	-18 53 48.98	0.010	15	0.33	6.423	18	33.7	49.13	16	33.7	F8 J	12B	116	A -19 68
16		9.3A	28 12.993	0.0021	21	-16 1 35.96	-0.026	15	0.34	12.960	18	33.7	35.53	16	33.7	F5 J	12A	138	A -16 82
17		6.7T	28 27.769	-0.0017	08	-10 21 36.64	0.003	07	0.42	27.859	17	97.6	36.84	15	91.5	A3	GC	607K	-10 89
18		8.9Q	28 33.162	-0.0018	12	-10 21 33.39	-0.022	10	0.55	33.245	19	04.5	32.26	19	00.0	G0	GC	610	-10 90
19		8.7A	28 41.454	0.0006	13	-11 7 45.14	0.010	15	0.29	41.445	18	33.7	45.29	16	33.7	K2 J	11	98	A -11 85
20		8.9A	28 45.415	-0.0006	18	-19 25 45.86	0.014	13	0.30	45.425	16	33.7	46.08	16	33.7	M J	13A	118	A -19 70
21		8.4A	28 45.860	0.0013	21	-17 4 11.52	-0.042	15	0.34	45.839	18	33.7	10.84	16	33.7	G0 J	12A	139	A -17 70
22		7.8A	28 48.060	0.0036	13	-11 29 57.98	-0.027	15	0.29	48.002	18	33.7	57.53	16	33.7	F0 J	11	99	A -12 83
23		8.3A	28 59.510	0.0062	15	-11 32 56.44	-0.005	17	0.31	59.410	18	33.7	56.36	16	33.7	G0 J	11	100K	A -12 84
24		9.0A	29 26.989	0.0021	21	-13 35 7.54	-0.006	15	0.34	26.955	18	33.7	7.44	16	33.7	K5 J	12A	141	A -14 80
25		7.3T	29 33.826	0.0033	08	-18 29 51.62	-0.026	08	0.52	33.618	17	87.0	50.09	17	90.8	K0	GC	631	-19 74
26		8.2A	29 35.146	0.0036	15	-12 34 14.41	-0.032	17	0.31	35.087	18	33.7	13.90	16	33.7	F8 J	11	104	A -13 89
27		8.5A	30 4.240	0.0025	15	-18 23 6.68	0.018	11	0.27	4.199	18	33.7	6.98	16	33.7	G5 J	12B	120	A -18 80
28		9.0A	30 6.940	0.0003	21	-15 10 34.54	-0.001	15	0.34	6.935	18	33.7	34.52	16	33.7	K7 J	12A	142	A -15 95
29		9.0A	30 11.642	0.0031	17	-18 57 58.10	0.018	12	0.29	11.592	18	33.7	58.39	16	33.7	G0 J	12B	121	A -19 76
30		8.6A	30 12.493	-0.0009	21	-13 45 46.56	0.020	15	0.34	12.508	18	33.7	46.88	16	33.7	B9 J	12A	143	A -14 83
31		8.6A	30 17.935	0.0117	21	-13 31 58.60	-0.036	15	0.34	17.743	18	33.7	58.01	16	33.7	G5 J	12A	144	A -14 84
32		8.8A	30 24.171	0.0008	18	-17 58 26.46	-0.020	13	0.31	24.159	18	33.7	26.14	16	33.7	G0 J	12B	123	A -18 82
33		8.6A	30 31.107	-0.0052	15	-18 23 28.37	-0.046	11	0.27	31.192	18	33.7	27.63	16	33.7	G5 J	12B	124	A -18 83
34		8.7A	30 35.323	-0.0016	15	-10 15 48.89	-0.022	17	0.31	35.350	18	33.7	48.53	16	33.7	G5 J	11	107	A -10 99
35		8.8A	30 43.877	0.0038	20	-18 17 35.54	-0.019	15	0.33	43.814	18	33.7	35.24	16	33.7	F8 J	12B	125	A -18 84
36		8.6A	30 48.692	0.0019	18	-19 46 23.14	0.000	15	0.31	48.661	16	33.7	23.14	16	33.7	K0 J	13A	127	A -20 86
37		8.7A	31 10.273	0.0019	18	-18 23 27.08	0.017	13	0.31	10.243	18	33.7	27.36	16	33.7	K5 J	12B	128	A -18 87
38		9.2A	31 10.784	-0.0049	21	-14 33 53.07	-0.118	15	0.34	10.864	18	33.7	51.15	16	33.7		12A	145	A -15 98
39		9.0A	31 12.039	0.0039	21	-14 36 31.26	-0.056	15	0.34	11.975	18	33.7	30.35	16	33.7	F5 J	12A	146	A -15 99
40		9.4A	31 25.659	-0.0009	21	-16 54 57.20	-0.050	15	0.34	25.674	18	33.7	56.39	16	33.7	G0 J	12A	147	A -17 77
41		9.6A	31 36.995	-0.0005	21	-16 8 14.09	0.018	15	0.34	37.004	18	33.7	14.39	16	33.7	F8 J	12A	148	A -16 95
42		9.3A	31 37.344	-0.0038	21	-16 59 58.27	-0.095	15	0.34	37.406	18	33.7	56.72	16	33.7	G5 J	12A	149	A -17 78
43		8.8A	31 51.638	0.0006	13	-11 33 29.81	0.032	15	0.29	51.628	18	33.7	30.33	16	33.7	K0 J	11	108	A -12 94
44		9.0A	31 56.144	0.0020	20	-19 36 26.75	-0.018	15	0.33	56.111	16	33.7	26.45	16	33.7	F8 J	13A	129	A -20 89
45		9.3A	32 5.133	-0.0023	18	-17 23 41.60	0.017	13	0.31	5.170	18	33.7	41.87	16	33.7	F5 J	12B	130	A -17 81
46		9.2A	32 38.004	0.0037	21	-15 6 9.29	0.041	15	0.34	37.944	18	33.7	9.95	16	33.7	F5 J	12A	151	A -15 103
47		8.9A	32 47.347	0.0001	17	-18 41 57.03	-0.007	12	0.29	47.345	18	33.7	56.91	16	33.7	F2 J	12B	133	A -19 81
48		8.5A	32 48.672	0.0013	18	-18 28 44.41	-0.035	13	0.31	48.651	18	33.7	43.84	16	33.7	F8 J	12B	134	A -19 80
49		8.0A	32 48.973	0.0010	20	-18 50 19.33	-0.068	15	0.33	48.957	18	33.7	18.22	16	33.7	K0 J	12B	135	A -19 82
50		9.2A	32 52.672	0.0009	21	-16 22 22.74	-0.025	15	0.34	52.657	18	33.7	22.33	16	33.7	K5 J	12A	152	A -16 98
51		9.2A	0 32 54.895	-0.0018	21	-14 11 34.42	-0.025	15	0.34	54.925	18	33.7	34.01	16	33.7	K7 J	12A	153	A -14 96
52		8.8A	33 7.593	0.0032	21	-15 0 38.95	-0.029	15	0.34	7.541	18	33.7	39.42	16	33.7	A0 J	12A	154	A -15 105
53		9.0A	33 20.567	0.0003	15	-10 43 25.60	-0.020	17	0.31	20.563	18	33.7	25.28	16	33.7	F5 J	11	110	A -11 102
54		8.0A	33 20.764	0.0027	21	-16 50 37.09	-0.007	15	0.34	20.720	18	33.7	37.21	16	33.7	G5 J	12A	155	A -17 85
55		8.8A	33 21.470	-0.0041	21	-16 14 54.87	-0.077	15	0.34	21.536	18	33.7	53.62	16	33.7	G0 J	12A	156	A -16 101
56		9.1A	33 21.543	-0.0007	21	-16 56 37.65	0.037	15	0.34	21.555	18	33.7	38.25	16	33.7	A3 J	12A	157	A -17 86
57		8.8A	33 25.586	0.0032	18	-15 44 29.62	-0.006	13	0.31	25.535	18	33.7	29.52	16	33.7	K0 J	12A	158	A -16 102
58		8.8A	33 29.729	-0.0006	20	-19 2 20.84	-0.003	15	0.33	29.739	18	33.7	20.79	16	33.7	A0 J	12B	137	A -19 85
59		8.8A	33 30.896	-0.0004	12	-10 37 32.44	0.000	13	0.27	30.902	18	33.7	32.44	16	33.7	K2 J	11	111	A -11 103
60		6.6T	33 32.246	-0.0060	13	-15 14 51.88	-0.076	10	0.69	32.563	24	96.9	47.45	21	92.0	K0	GC	716	-15 109
61		9.1A	33 35.431	0.0009	18	-16 55 4.35	-0.013	13	0.31	35.417	18	33.7	4.13	16	33.7	K7 J	12A	160	A -17 87
62		8.8A	33 40.010	-0.0015	15	-10 16 59.91	0.009	17	0.31	40.035	18	33.7	0.06	16	33.7	K0 J	11	112	A -10 110
63		8.7A	33 46.239	0.0001	18	-17 53 9.27	-0.035	13	0.31	46.237	18	33.7	8.70	16	33.7	F5 J	12B	140	A -18 98
64		9.1A	33 51.448	0.0007	13	-11 34 2.92	0.040	15	0.29	51.436	18	33.7	3.57	16	33.7	F5 J	11	113	A -12 99
65		8.8A	33 52.123	-0.0003	15	-10 38 25.25	-0.022	17	0.31	52.129	18	33.7	24.90	16	33.7	A2 J	11	114	A -11 104
66		8.9A	33 56.952	0.0078	21	-16 31 47.32	0.058	15	0.34	56.825	18	33.7	48.27	16	33.7	G5 J	12A	161	A -17 90
67		9.1A	34 8.991	-0.0014	15	-19 7 13.40	-0.006	11	0.27	9.014	18	33.7	13.30	16	33.7	F5 J	12B	141	A -19 87
68		8.1A	34 13.221	-0.0002	18	-18 4 16.62	-0.007	13	0.31	13.225	18	33.7	16.51	16	33.7	K2 J	12B	142	A -18 99
69		8.9A	34 18.426	0.0018	15	-11 56 20.26	-0.028	17	0.31	18.398	18	33.7	19.81	16	33.7	G0 J	11	115	A -12 100
70		8.2A	34 19.848	0.0024	15	-11 24 9.24	-0.016	17	0.31	19.809	18	33.7	8.98	16	33.7	G5 J	11	116	A -11 105
71		8.8A	34 43.744	0.0010	20	-19 59 23.78	0.011	15	0.33	43.728	16	33.7	23.95	16	33.7	K0 J	13A	143	A -20 96
72		8.1A	34 52.968	0.0005	15	-19 50 23.82	0.003	11	0.26	52.960	16	33.7	23.87	16	33.7	G5 J	13A	144	A -20 97
73		8.6A	35 2.152	-0.0000	21	-16 6 9.11	-0.015	15	0.34	2.153	18	33.7	8.87	16	33.7	K0 J	12A	162	A -16 105
74		8.6A	35 21.917	0.0004	21	-16 56 46.66	-0.031	15	0.34	21.911	18	33.7	46.16	16	33.7	F5 J	12A	163	A -17 95
75		8.0A	35 41.081	0.0015	21	-16 31 10.98	-0.004	15	0.34	41.056	18	33.7	10.92	16	33.7	G5 J	12A	164	A -17 98
76		8.7A	36 1.449	0.0076	13	-12 26 54.18	0.084	15	0.29	1.326	18	33.7	55.55	16	33.7	K0 J	11	118	A -12 109
77		8.2A	36 1.478	0.0022	13	-10 57 54.69	0.027	15	0.29	1.442	18	33.7	55.13	16	33.7	K0 J	11	119	A -11 109
78		9.0A	36 7.810	-0.0017	21	-14 30 27.64	0.018	15	0.34	7.837	18	33.7	27.94	16	33.7	K5 J	12A	165	A -15 116
79		8.8A	36 12.734	0.0004	21	-15 56 18.87	-0.006	15	0.34	12.728	18	33.7	18.77	16	33.7	F0 J	12A	166	A -16 109
80		9.1A	36 17.651	0.0005	18	-18 45 42.29	0.006	13	0.31	17.643	18	33.7	42.38	16	33.7	A0 J	12B	151	A -19 92
81		8.4A	36 20.253	-0.0008	20	-19 8 33.42	-0.020	15	0.33	20.265	18	33.7	33.09	16	33.7	F8 J	12B	152	A -19 93
82		8.8A	36 21.249	0.0010	21	-17 1 17.24	-0.045	15	0.34	21.232	18	33.7	16.51	16	33.7	K5 J	12A	167	A -17 103
83		9.0A	36 25.508	-0.0012	15	-12 35 16.80	0.015	15	0.30	25.527	18	33.7	17.05	16	33.7	A0 J	11	120	A -13 108
84		9.0A	36 36.096	-0.0015	21	-13 31 47.91	-0.003	15	0.34	36.120	18	33.7	47.86	16	33.7	M0 J	12A	168	A -14 105
85		9.2A	36 42.861	-0.0030	15	-12 4 40.26	0.000	15	0.30	42.910	18	33.7	40.26	16	33.7	F5 J	11	122	A -12 114
86		9.0A	36 59.536	0.0040	21	-13 53 43.88	-0.086	15	0.34	59.471	18	33.7	42.47	16	33.7	G5 J	12A	169	A -14 107
87		6.8T	37 12.293	-0.0041	07	-11 25 24.54	-0.111	07	0.40	12.517	15	96.1	18.61	15	96.4	F5	GC	783	-11 113
88		8.8A	37 16.012	-0.0057	21	-16 36 7.35	-0.038	15	0.34	16.105	18	33.7	6.94	16	33.7	G0 J	12A	170	A -17 106
89		9.2A	37 19.260	0.0038	21	-14 34 24.09	-0.014	15	0.34	19.199	18	33.7	23.87	16	33.7	G0 J	12A	171	A -15 118
90		8.9A	37 25.160	-0.0003	21	-13 21 14.43	0.005	15	0.34	25.165	18	33.7	14.52	16	33.7	K5 J	12A	172	A -13 113
91		9.0A	37 28.292	-0.0044	15	-17 56 8.53	-0.006	11	0.27	28.365	18	33.7	8.44	16	33.7	G0 J	12B	157	A -18 104
92		8.3A	37 32.984	-0.0001	18	-14 9 32.66	-0.004	13	0.31	32.985	18	33.7	32.59	16	33.7	K0 J	12A	173	A -14 110
93		9.0A	37 41.345	-0.0002	18	-17 51 59.92	0.008	13	0.31	41.348	18	33.7	0.05	16	33.7	K0 J	12B	158	A -18 105
94		9.2A	37 56.657	0.0062	21	-14 20 6.01	-0.039	15	0.34	56.555	18	33.7	5.37	16	33.7	F5 J	12A	174	A -14 113
95		6.5T	37 58.076	0.0023	06	-16 47 26.27	-0.036	05	0.22	57.990	07	12.6	24.87	07	11.1	G5	GC	798	-17 109
96		9.3A	38 1.576	-0.0052	22	-16 56 32.43	0.045	17	0.36	1.661	18	33.7	33.16	16	33.7	K0 J	12A	176	A -17 110
97		8.6A	38 8.588	-0.0006	18	-18 9 40.17	0.011	13	0.31	8.598	18	33.7	40.35	16	33.7	K0 J	12B	160	A -18 106
98		8.9A	38 10.117	0.0004	21	-15 35 59.35	-0.022	15	0.34	10.111	18	33.7	58.99	16	33.7	K5 J	12A	177	A -16 115
99		8.7A	38 15.382	0.0030	13	-11 38 30.54	0.025	15	0.29	15.334	18	33.7	30.95	16	33.7	F5 J	11	127	A -12 117
00		8.5A	38 22.050	-0.0015	15	-10 14 3.88	-0.012	17	0.31	22.075	18	33.7	3.69	16	33.7	K0 J	11	128	A -10 133

147400			EPOCH 1950									ORIGINAL EPOCH							SP.	SOURCE		-10° 0H
NUMBER	MAGNITUDES m_{pg}	m_v	α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	σ_μ ″.001	σ_{1950} ″	α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.			CAT.	STAR NUMBER	DM NUMBER
1		9.0A	0 38 25.070	0.0011	18	-17 34 20.82	-0.007	13	0.31	25.052	18	33.7	20.71	16	33.7	K2	J	12B	161	A -16 108
2		8.3A	38 57.447	0.0013	13	-12 57 52.93	0.020	15	0.29	57.425	18	33.7	53.27	16	33.7	K0	J	11	129	A -13 117
3		9.2A	39 4.029	-0.0007	21	-13 55 36.77	-0.043	15	0.34	4.039	18	33.7	56.06	16	33.7	G5	J	12A	179	A -14 117
4		9.3A	39 11.106	0.0004	18	-16 39 0.24	0.016	13	0.31	11.103	18	33.7	0.49	16	33.7	F5	J	12A	180	A -17 113
5		8.8A	39 37.284	-0.0011	17	-18 0 51.68	-0.019	12	0.29	37.302	18	33.7	51.38	16	33.7	G5	J	12B	164	A -18 112
6		9.4A	39 37.664	0.0009	21	-15 38 3.52	0.024	15	0.34	37.649	18	33.7	3.91	16	33.7	A2	J	12A	181	A -16 117
7		8.9A	39 41.605	0.0017	13	-10 5 55.23	-0.025	15	0.29	41.576	18	33.7	54.83	16	33.7	K0	J	11	131	A -10 137
8		6.9T	39 42.984	0.0054	06	-12 4 42.58	-0.025	06	0.58	42.868	14	92.0	41.13	15	90.9	K0		GC	838	-12 121
9		8.9A	39 51.899	0.0039	15	-12 25 39.51	-0.033	17	0.31	51.835	18	33.7	38.98	16	33.7	G5	J	11	133	A -12 122
10		8.7A	40 5.940	-0.0006	21	-16 58 38.49	0.009	15	0.34	5.949	18	33.7	38.63	16	33.7	G0	J	12A	182	A -17 116
11		9.0A	40 10.063	0.0027	13	-19 54 16.98	0.004	11	0.25	10.019	16	33.7	17.04	16	33.7	G5	J	13A	167	A -20 122
12		8.9A	40 11.103	0.0025	18	-18 53 23.20	-0.018	13	0.31	11.063	18	33.7	22.90	16	33.7	G5	J	12B	168	A -19 102
13		8.6A	40 14.682	0.0037	18	-19 20 37.56	0.037	13	0.30	14.631	18	33.7	38.16	16	33.7	F5	J	13A	169	A -19 104
14		9.0A	40 17.874	-0.0001	21	-16 24 3.40	0.022	15	0.34	17.876	18	33.7	3.76	16	33.7	K2	J	12A	183	A -16 119
15		6.5T	40 19.326	0.0001	17	-10 11 43.13	-0.019	12	0.80	19.323	24	00.1	42.12	22	95.6	F8		GC	850	-10 140
16		9.0A	40 27.426	0.0005	21	-16 19 27.25	-0.025	15	0.34	27.419	18	33.7	26.84	16	33.7	G5	J	12A	184	A -16 120
17		8.1A	40 30.690	0.0017	18	-10 46 10.67	-0.029	20	0.35	30.663	18	33.7	10.20	16	33.7	K5	J	11	135	A -11 125
18		9.4A	40 43.722	-0.0038	21	-16 19 50.16	0.048	15	0.34	43.785	18	33.7	50.94	16	33.7	F2	J	12A	185	A -16 122
19		8.9A	40 58.519	0.0011	17	-12 10 39.01	-0.011	18	0.33	58.502	18	33.7	38.84	16	33.7	A0	J	11	137	A -12 125
20		2.2H	41 4.811	0.0163	01	-18 15 38.78	0.036	01	0.04	4.082	02	05.2	40.37	02	06.3	K0		F4	22	-18 115
21		8.5A	41 18.131	0.0017	21	-16 35 7.92	0.030	15	0.34	18.103	18	33.7	8.41	16	33.7	K0	J	12A	186	A -17 120
22		6.2T	41 19.031	0.0002	09	-18 16 57.24	-0.201	07	0.50	19.023	18	03.5	45.16	17	89.8	G5		GC	869	-12 126
23		4.9T	41 40.021	-0.0006	04	-10 52 53.49	-0.108	03	0.21	40.068	10	99.2	47.12	09	90.8	K0		GC	875	B# -11 128
24		8.9A	41 47.755	-0.0025	21	-14 30 28.18	-0.038	15	0.34	47.797	18	33.7	27.57	16	33.7	F8	J	12A	187	A -15 135
25		8.6A	41 56.661	0.0050	21	-13 41 20.26	-0.024	15	0.34	56.579	18	33.7	19.86	16	33.7	F8	J	12A	188	A -14 124
26		9.1A	42 12.273	-0.0004	21	-15 39 34.10	0.021	15	0.34	12.280	18	33.7	34.44	16	33.7	K0	J	12A	189	A -16 126
27		9.0A	42 19.092	-0.0051	18	-17 43 34.94	0.006	13	0.31	19.175	18	33.7	35.04	16	33.7	F8	J	12B	182	A -18 119
28		9.2A	42 20.482	-0.0018	18	-10 11 25.31	-0.043	20	0.35	20.512	18	33.7	24.62	16	33.7	F2	J	11	141	A -10 151
29		8.9A	42 27.131	-0.0018	18	-17 30 26.99	0.009	13	0.31	27.160	18	33.7	27.14	16	33.7	K2	J	12B	185	A -18 120
30		7.8B	42 28.586	-0.0005	10	-12 25 2.60	-0.004	09	0.48	28.612	18	03.4	2.42	18	01.1	G5		GC	895	-12 128
31		8.6A	42 30.132	0.0007	18	-19 34 15.48	-0.008	13	0.30	30.121	16	33.7	15.35	16	33.7	F8	J	13A	186	A -20 128
32		6.1T	42 57.967	-0.0026	03	-13 9 4.22	-0.198	03	0.21	58.127	09	95.0	52.73	09	91.8	G0		GC	907	B# -13 128
33		9.2A	43 1.806	-0.0005	21	-15 0 6.99	-0.102	15	0.34	1.814	18	33.7	5.32	16	33.7	G5	J	12A	191	A -15 136
34		8.1A	43 2.820	0.0018	18	-11 21 59.74	-0.062	20	0.35	2.791	18	33.7	58.73	16	33.7	F8	J	11	145	A -11 135
35		8.9A	43 9.561	-0.0010	18	-18 9 54.18	0.007	13	0.31	9.577	18	33.7	54.30	16	33.7	K0	J	12B	188	A -18 122
36		6.3T	43 11.727	0.0007	05	-16 41 50.53	-0.001	06	0.24	11.698	10	09.1	50.49	12	09.4	F0		GC	913K	B# -17 132
37		7.9A	43 29.180	0.0024	21	-16 55 33.23	0.041	15	0.34	29.141	18	33.7	33.90	16	33.7	F0	J	12A	194	A -17 134
38		7.6A	43 42.994	-0.0076	15	-11 43 30.31	-0.056	17	0.31	43.119	18	33.7	29.40	16	33.7	G5	J	11	146	A -12 132
39		8.8A	43 52.549	0.0005	18	-17 28 57.41	0.009	15	0.32	52.541	18	33.7	57.55	16	33.7	K2	J	12B	193	A -18 124
40		8.9A	44 10.114	0.0022	18	-18 27 43.25	0.004	13	0.31	10.079	18	33.7	43.32	16	33.7	K2	J	12B	194	A -18 126
41		8.9A	44 11.953	0.0001	21	-14 2 3.66	0.009	15	0.34	11.951	18	33.7	3.80	16	33.7	K0	J	12A	196	A -14 133
42		8.9A	44 12.032	0.0004	18	-19 42 6.51	-0.026	13	0.30	12.025	16	33.7	6.08	16	33.7	K0	J	13A	195	A -20 130
43		9.1A	44 20.054	-0.0015	21	-16 15 35.15	-0.007	15	0.34	20.078	18	33.7	35.04	16	33.7	G5	J	12A	197	A -16 130
44		8.9A	44 22.389	0.0065	18	-18 34 16.23	-0.003	13	0.31	22.284	18	33.7	16.17	16	33.7	G0	J	12B	197	A -19 116
45		9.2A	44 26.270	-0.0006	21	-15 1 58.76	0.003	15	0.34	26.280	18	33.7	58.80	16	33.7	F8	J	12A	198	A -15 139
46		8.2A	44 26.941	-0.0027	15	-11 26 9.41	0.012	17	0.31	26.985	18	33.7	9.61	16	33.7	G5	J	11	149	A -11 139
47		8.7A	44 29.213	-0.0022	18	-19 11 1.79	-0.070	13	0.31	29.250	18	33.7	0.65	16	33.7	K0	J	12B	198	A -19 118
48		8.9A	44 32.316	-0.0020	15	-10 13 4.41	0.029	17	0.31	32.350	18	33.7	4.89	16	33.7	G5	J	11	150	A -10 161
49		9.4A	44 34.393	-0.0033	21	-15 39 19.47	-0.046	15	0.34	34.446	18	33.7	18.72	16	33.7	G0	J	12A	199	A -16 132
50		8.9A	44 39.812	0.0014	21	-14 22 47.92	0.010	15	0.34	39.789	18	33.7	48.08	16	33.7	G5	J	12A	200	A -14 134
51		5.9T	0 45 13.784	0.0028	10	-18 20 4.81	0.035	11	0.62	13.632	22	96.0	6.73	21	95.4	K0		GC	950	-18 127
52		8.0A	45 19.036	-0.0001	13	-11 10 37.70	0.013	15	0.29	19.038	18	33.7	37.91	16	33.7	K2	J	11	151	A -11 142
53		8.7A	45 32.735	0.0007	15	-11 8 25.72	0.001	17	0.31	32.722	18	33.7	25.74	16	33.7	K7	J	11	153	A -11 143
54		8.9A	45 42.494	-0.0004	21	-14 34 41.10	-0.031	15	0.34	42.501	18	33.7	40.60	16	33.7	K2	J	12A	201	A -15 145
55		8.9A	46 0.522	-0.0031	18	-18 56 7.88	-0.033	13	0.31	0.573	18	33.7	7.34	16	33.7	G0	J	12B	203	A -19 124
56		8.2A	46 3.183	0.0019	21	-15 1 23.94	-0.039	15	0.34	3.152	18	33.7	23.30	16	33.7	K0	J	12A	202	A -15 146
57		8.8A	46 6.103	-0.0001	17	-12 54 41.69	-0.018	18	0.33	6.105	18	33.7	41.41	16	33.7	M0	J	11	154	A -13 138
58		8.4A	46 12.340	0.0010	18	-18 48 57.29	-0.066	15	0.32	12.323	18	33.7	56.21	16	33.7	F5	J	12B	204	A -19 126
59		8.1A	46 14.371	0.0037	17	-17 49 9.25	-0.001	12	0.29	14.311	18	33.7	9.24	16	33.7	K0	J	12B	205	A -18 130
60		8.9A	46 29.386	0.0025	18	-19 58 50.97	-0.056	13	0.30	29.346	16	33.7	50.06	16	33.7	K0	J	13A	206	A -20 138
61		9.0A	46 32.165	0.0025	21	-16 39 47.14	-0.020	15	0.34	32.125	18	33.7	46.81	16	33.7	G5	J	12A	203	A -17 141
62		9.0A	46 46.971	0.0064	18	-19 16 48.93	0.043	13	0.31	46.867	18	33.7	49.63	16	33.7	G0	J	12B	209	A -19 127
63		8.9A	46 53.395	0.0024	15	-12 1 33.75	0.005	17	0.31	53.356	18	33.7	33.84	16	33.7	K5	J	11	155	A -12 142
64		5.8T	46 54.887	0.0069	05	-13 49 55.51	-0.093	04	0.21	54.599	07	08.4	51.58	07	07.9	K2		GC	984K	B# -14 145
65		7.8A	47 3.498	0.0022	18	-11 14 1.06	0.036	20	0.35	3.463	18	33.7	1.65	16	33.7	K0	J	11	156	A -11 149
66		8.9A	47 5.997	0.0024	18	-12 28 32.53	-0.035	20	0.35	5.958	18	33.7	31.96	16	33.7	G5	J	11	157	A -12 143
67		9.0A	47 8.969	-0.0010	21	-15 40 4.02	-0.027	15	0.34	8.985	18	33.7	3.58	16	33.7	F0	J	12A	205	A -16 137
68		8.9A	47 11.912	0.0122	20	-18 57 3.95	-0.266	15	0.33	11.712	18	33.7	59.60	16	33.7	G5	J	12B	211	A -19 129
69		9.0A	47 28.464	0.0017	21	-16 26 21.04	-0.049	15	0.34	28.436	18	33.7	20.24	16	33.7	G0	J	12A	206	A -16 139
70		5.2H	47 37.288	-0.0156	02	-10 54 47.65	-0.223	02	0.06	37.815	03	16.3	40.13	04	16.3	F5		F4	30	-11 153
71		8.9A	47 44.739	0.0005	18	-10 10 43.28	0.003	20	0.35	44.732	18	33.7	43.33	16	33.7	K2	J	11	159	A -10 169
72		8.0A	47 46.717	0.0006	21	-16 9 2.24	-0.001	15	0.34	46.708	18	33.7	2.23	16	33.7	K0	J	12A	207	A -16 142
73		8.7A	48 10.972	-0.0009	18	-18 46 39.34	-0.019	13	0.31	10.986	18	33.7	39.03	16	33.7	G0	J	12B	213	A -19 133
74		8.6A	48 15.075	0.0010	21	-15 6 33.25	-0.012	15	0.34	15.059	18	33.7	33.05	16	33.7	K0	J	12A	208	A -15 152
75		9.0A	48 27.764	-0.0003	21	-15 26 20.13	-0.028	15	0.34	27.769	18	33.7	19.66	16	33.7	K0	J	12A	209	A -15 154
76		9.2A	48 29.535	0.0000	21	-14 20 57.36	-0.020	15	0.34	29.554	18	33.7	57.03	16	33.7	K7	J	12A	210	A -14 148
77		9.2A	48 33.865	0.0059	21	-16 24 41.14	-0.003	15	0.34	33.768	18	33.7	41.09	16	33.7	G0	J	12A	211	A -16 144
78		7.9A	48 35.703	-0.0012	15	-13 11 57.80	-0.020	17	0.31	35.723	18	33.7	57.48	16	33.7	K0	J	11	161	A -13 141
79		8.8A	48 46.668	-0.0028	21	-13 23 11.81	0.016	15	0.34	46.713	18	33.7	12.08	16	33.7	G0	J	12A	212	A -13 142
80		8.9A	49 1.824	-0.0009	18	-18 46 48.09	0.036	13	0.31	1.838	18	33.7	48.67	16	33.7	F8	J	12B	216	A -19 137
81		9.1A	49 4.190	0.0098	18	-15 9 30.64	-0.257	13	0.31	4.030	18	33.7	26.44	16	33.7	K2	J	12A	213	A -15 156
82		9.2A	49 6.808	-0.0014	17	-17 20 57.91	-0.022	12	0.29	6.830	18	33.7	57.55	16	33.7	G0	J	12B	217	A -17 149
83		8.8A	49 15.355	0.0033	21	-14 3 18.59	0.005	15	0.34	15.301	18	33.7	18.67	16	33.7	K5	J	12A	215	A -14 150
84		9.2A	49 16.862	-0.0014	18	-17 20 44.31	0.039	13	0.31	16.885	18	33.7	44.94	16	33.7	G0	J	12B	218	A -17 150
85		9.0A	49 33.938	-0.0016	21	-15 7 33.41	-0.009	15	0.34	33.963	18	33.7	33.26	16	33.7	F0	J	12A	217	A -15 158
86		8.7A	49 34.712	0.0024	18	-19 41 38.05	-0.034	13	0.31	34.674	18	33.7	37.49	16	33.7	G0	J	12B	219	A -20 148
87		9.2A	49 37.241	0.0052	21	-13 30 3.83	-0.100	15	0.34	37.156	18	33.7	2.19	16	33.7	K0	J	12A	218K	A -14 152
88		8.4A	49 40.304	0.0013	21	-15 35 56.46	-0.013	15	0.34	40.283	18	33.7	56.25	16	33.7	K0	J	12A	219	A -16 148
89		8.7A	49 43.695	0.0028	15	-12 8 28.87	0.022	17	0.31	43.650	18	33.7	29.23	16	33.7	F8	J	11	166	A -12 154
90		7.8A	49 47.080	0.0033	21	-14 10 39.31	0.003	15	0.34	47.025	18	33.7	39.35	16	33.7	F5	J	12A	220	A -14 154
91		8.7A	49 47.151	-0.0022	13	-11 0 6.67	-0.030	13	0.28	47.187	18	33.7	6.18	16	33.7	F0	J	11	167	A -11 163
92		7.7A	50 8.727	-0.0022	15	-13 12 30.84	0.002	15	0.30	8.763	18	33.7	30.88	16	33.7	F0	J	11	168	A -13 146
93		9.1A	50 9.155	-0.0018	20	-19 16 49.06	-0.027	15	0.33	9.185	18	33.7	48.62	16	33.7	G5	J	12B	223	A -19 139
94		8.4A	50 17.200	-0.0037	18	-18 50 50.36	-0.043	13	0.31	17.260	18	33.7	49.66	16	33.7	G5	J	12B	225	A -19 140
95		8.8A	50 35.990	0.0011	15	-10 20 32.47	-0.010	17	0.31	35.972	18	33.7	32.31	16	33.7	K7	J	11	170	A -10 181
96		7.9A	50 38.861	-0.0013	18	-17 55 23.43	0.008	13	0.31	38.882	18	33.7	23.57	16	33.7	A5	J	12B	226	A -18 143
97		8.8A	50 59.267	0.0012	21	-15 7 22.08	-0.036	15	0.34	59.246	18	33.7	21.49	16	33.7	F5	J	12A	221	A -15 160
98		9.0A	51 2.941	0.0015	15	-12 7 55.31	0.008	17	0.31	2.916	18	33.7	55.64	16	33.7	K7	J	11	171	A -12 157
99		9.1A	51 6.112	-0.0003	15	-10 56 44.93	0.005	17	0.31	6.117	18	33.7	45.02	16	33.7	F2	J	11	172	A -11 167
00		8.9A	51 6.454	-0.0001	17	-18 7 20.38	0.004	12	0.29	6.456	18	33.7	20.45	16	33.7	K0	J	12B	227	A -18 145

147500

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	-10° 0H DM NUMBER
1		9.0A	0 51 9.058	0.0038	15	-13 15 30.24	-0.015	15	0.30	8.996	18	33.7	30.00	16	33.7	K0 J	11	173	A -13 149
2		8.4A	51 10.947	-0.0041	21	-15 55 7.92	-0.036	15	0.34	11.014	18	33.7	7.33	16	33.7	K0 J	12A	222	A -16 151
3		7.5T	51 12.102	0.0032	09	-14 11 29.42	-0.006	08	0.45	11.950	18	02.7	29.71	17	98.1	G0	GC	1074	-14 162
4		9.0A	51 12.252	-0.0001	15	-13 4 0.39	-0.014	17	0.31	12.254	18	33.7	0.17	16	33.7	K5 J	11	174	A -13 150
5		8.8A	51 29.208	0.0026	21	-14 54 7.67	-0.003	15	0.34	29.166	18	33.7	7.63	16	33.7	G5 J	12A	224	A -15 163
6		8.6A	51 30.467	0.0035	17	-18 16 24.85	0.001	12	0.29	30.410	18	33.7	24.87	16	33.7	K0 J	12B	229	A -18 146
7		8.0A	51 37.553	0.0002	21	-16 26 45.08	-0.011	15	0.34	37.549	18	33.7	44.90	16	33.7	K0 J	12A	225	A -16 152
8		8.5A	51 39.968	0.0098	20	-18 18 5.94	-0.074	15	0.33	39.808	18	33.7	4.74	16	33.7	K0 J	12B	230	A -18 147
9		8.8A	51 41.413	0.0023	21	-16 42 21.64	0.037	15	0.34	41.375	18	33.7	22.24	16	33.7	G5 J	12A	226	A -17 157
10		8.8A	52 6.483	0.0017	21	-15 43 23.47	0.001	15	0.34	6.455	18	33.7	23.49	16	33.7	K0 J	12A	227	A -16 153
11		8.0A	52 43.245	-0.0101	21	-17 14 22.22	-0.195	15	0.34	43.410	18	33.7	19.03	16	33.7	K0 J	12A	228	A -17 159
12		7.7A	52 59.970	0.0093	17	-12 49 24.19	0.020	18	0.33	59.818	18	33.7	24.53	16	33.7	F5 J	11	176	A -13 155
13		8.8A	53 2.320	0.0021	18	-11 0 47.31	-0.006	20	0.35	2.286	18	33.7	47.21	16	33.7	K0 J	11	177	A -11 171
14		8.6A	53 8.342	0.0027	18	-11 19 50.94	0.056	20	0.35	8.298	18	33.7	51.86	16	33.7	G0 J	11	178	A -11 172
15		8.7A	53 19.241	-0.0003	20	-10 53 32.16	-0.005	20	0.36	19.247	18	33.7	32.08	16	33.7	K0 J	11	179	A -11 173
16		8.0A	53 20.576	-0.0011	18	-18 48 8.94	-0.005	13	0.31	20.595	18	33.7	8.85	16	33.7	K2 J	12B	235K	A -19 143
17		8.2A	53 21.062	-0.0013	18	-17 34 44.63	-0.009	13	0.31	21.083	18	33.7	44.49	16	33.7	K0 J	12B	236	A -18 152
18		8.2A	53 24.928	-0.0010	18	-19 2 3.75	0.007	13	0.31	24.945	18	33.7	3.86	16	33.7	K2 J	12B	237	A -19 144
19		5.5T	53 31.022	-0.0017	04	-11 32 13.09	-0.005	03	0.22	31.121	07	93.4	12.82	07	91.5	K0	GC	1111	B+ -12 162
20		8.8A	53 35.789	-0.0021	17	-12 47 0.46	-0.032	18	0.33	35.823	18	33.7	-59.94	16	33.7	F5 J	11	183	A -13 159
21		8.8A	53 36.019	-0.0006	17	-11 48 9.21	-0.015	18	0.33	36.028	18	33.7	9.46	16	33.7	K2 J	11	182	A -12 163
22		8.9A	53 44.228	-0.0008	18	-10 4 41.13	-0.006	20	0.35	44.237	18	33.7	41.04	16	33.7	G0 J	11	184	A -10 181
23		8.5A	54 2.115	0.0041	17	-19 42 51.64	0.024	12	0.28	2.048	18	33.7	52.03	16	33.7	A0 J	13A	240	A -20 167
24		8.7A	54 3.398	0.0017	21	-14 56 9.23	0.040	15	0.34	3.370	18	33.7	9.89	16	33.7	F2 J	12A	231	A -15 171
25		9.0A	54 6.868	0.0005	18	-11 2 35.62	0.054	20	0.35	6.861	18	33.7	36.50	16	33.7	M0 J	11	186	A -11 174
26		9.3A	54 19.801	0.0013	17	-13 15 32.84	-0.015	18	0.33	19.780	18	33.7	32.60	16	33.7	G5 J	11	187	A -13 161
27		9.0A	54 26.892	-0.0012	17	-17 20 32.81	0.016	12	0.29	26.912	18	33.7	33.07	16	33.7	K0 J	12B	241	A -17 166
28		8.7A	54 27.135	-0.0011	21	-15 23 40.56	-0.032	15	0.34	27.153	18	33.7	40.03	16	33.7	F2 J	12A	232K	A -15 172
29		8.9A	54 30.403	-0.0028	17	-13 17 56.61	-0.062	18	0.33	30.448	18	33.7	55.61	16	33.7	K5 J	11	188	A -13 162
30		9.4A	54 38.113	-0.0003	21	-17 4 34.99	-0.002	15	0.34	38.118	18	33.7	34.95	16	33.7	K0 J	12A	234	A -17 167
31		8.9A	54 40.703	-0.0009	18	-19 35 50.91	0.001	13	0.30	40.718	18	33.7	50.92	16	33.7	K7 J	13A	242	A -20 169
32		8.5A	54 47.433	-0.0054	21	-16 16 39.15	-0.012	15	0.34	47.522	18	33.7	38.95	16	33.7	F8 J	12A	235	A -16 159
33		7.9A	55 1.755	0.0015	15	-10 44 45.27	0.021	17	0.31	1.730	18	33.7	45.62	16	33.7	A0 J	11	189	A -11 177
34		9.3A	55 2.730	-0.0013	21	-14 9 31.11	-0.012	15	0.34	2.751	18	33.7	30.91	16	33.7	K0 J	12A	236	A -14 171
35		8.8A	55 3.451	0.0019	21	-15 8 44.79	0.015	15	0.34	3.420	18	33.7	45.03	16	33.7	G5 J	12A	237	A -15 175
36		8.1A	55 5.446	-0.0008	15	-12 30 56.28	0.009	17	0.31	5.460	18	33.7	56.43	16	33.7	K2 J	11	190	A -13 164
37		7.1T	55 9.569	0.0004	17	-19 16 7.70	0.005	17	0.89	9.548	24	99.9	7.94	22	98.0	A0	GC	1149K	-19 147
38		8.0B	55 14.785	-0.0020	10	-16 3 24.62	-0.023	09	0.50	14.875	18	04.6	23.44	18	99.1	F0	GC	1150	-16 161
39		9.0A	55 25.452	0.0093	21	-15 29 12.48	0.052	15	0.34	25.300	18	33.7	13.33	16	33.7	G0 J	12A	239	A -15 176
40		8.6A	55 35.314	-0.0011	13	-11 22 50.97	-0.055	13	0.28	35.332	18	33.7	50.08	16	33.7	F8 J	11	193	A -11 179
41		9.0A	55 39.504	0.0031	21	-14 20 43.75	-0.027	15	0.34	39.453	18	33.7	43.30	16	33.7	K5 J	12A	240	A -14 172
42		7.8B	55 40.228	0.0017	16	-15 57 15.58	-0.006	12	0.75	40.146	26	02.2	15.26	22	97.8	F5	GC	1161K	-16 162
43		7.7A	55 40.499	0.0016	08	-15 57 10.29	0.011	07	0.51	40.408	22	93.2	11.00	19	84.9	F5	GC	1162K	B+ -16 162
44		9.5A	55 55.168	0.0059	15	-12 19 16.82	-0.005	17	0.31	55.073	18	33.7	16.74	16	33.7	F5 J	11	194	A -12 170
45		9.2A	55 57.842	-0.0045	21	-17 4 16.19	-0.004	15	0.34	57.915	18	33.7	16.13	16	33.7	G0 J	12A	243	A -17 170
46		5.8T	56 13.583	-0.0026	03	-11 38 58.40	-0.016	03	0.18	13.707	09	03.3	57.59	09	98.3	G5	GC	1173	B+ -12 173
47		8.9A	56 13.638	0.0015	18	-18 16 31.84	-0.039	15	0.32	13.613	18	33.7	31.21	16	33.7	G0 J	12B	248	A -18 159
48		8.8A	56 14.694	0.0030	21	-14 25 6.95	-0.009	15	0.34	14.645	18	33.7	6.80	16	33.7	G5 J	12A	244	A -14 173
49		7.3T	56 15.880	0.0026	12	-19 54 8.94	-0.030	14	0.80	15.724	10	90.5	7.18	12	91.3	M0	GC	1176	-20 174
50		9.0A	56 17.109	0.0035	15	-11 6 52.00	0.008	15	0.30	17.101	18	33.7	52.13	16	33.7	K7 J	11	196	A -11 181
51		9.0A	0 56 19.059	-0.0023	21	-14 57 6.90	0.006	15	0.34	19.096	18	33.7	7.00	16	33.7	K2 J	12A	246	A -15 178
52		8.8A	56 19.451	0.0013	21	-13 55 49.30	-0.025	15	0.34	19.430	18	33.7	48.89	16	33.7	F2 J	12A	245	A -14 174
53		8.4A	56 21.317	-0.0029	15	-17 45 14.68	0.019	11	0.27	21.364	18	33.7	15.00	16	33.7	F5 J	12B	250	A -18 160
54		9.0A	56 21.922	-0.0023	18	-15 25 37.49	0.025	13	0.31	21.959	18	33.7	37.89	16	33.7	F5 J	12A	247	A -15 179
55		9.3A	56 22.230	0.0029	17	-18 47 8.83	-0.014	12	0.29	22.182	18	33.7	8.59	16	33.7	K2 J	12B	251	A -19 149
56		7.7A	56 34.557	0.0022	20	-19 35 45.31	0.003	15	0.33	34.520	16	33.7	45.36	16	33.7	G5 J	13A	252	A -20 175
57		9.1A	56 56.629	0.0015	13	-12 9 5.53	0.032	15	0.29	56.604	18	33.7	6.05	16	33.7	F8 J	11	198	A -12 176
58		9.5A	56 58.068	-0.0039	21	-16 30 20.22	-0.019	15	0.34	58.151	18	33.7	19.91	16	33.7	F5 J	12A	248	A -17 172
59		8.7A	57 29.555	0.0009	17	-18 19 52.31	0.012	12	0.29	29.541	18	33.7	52.51	16	33.7	G5 J	12B	254	A -18 162
60		8.2A	57 38.761	0.0040	21	-16 54 33.28	0.024	15	0.34	38.696	18	33.7	33.67	16	33.7	K0 J	12A	249	A -17 173
61		8.9A	57 43.350	-0.0004	15	-12 17 18.19	0.001	17	0.31	43.357	18	33.7	18.21	16	33.7	F5 J	11	199	A -12 179
62		9.4A	57 53.285	-0.0084	21	-13 32 2.66	-0.090	15	0.34	53.402	18	33.7	1.19	16	33.7	K0 J	12A	250	A -14 184
63		7.7T	57 59.885	0.0099	22	-19 39 27.31	-0.036	16	0.93	59.438	24	04.8	25.54	21	01.0	G0	GC	1205	-20 179
64		8.3A	58 0.344	0.0009	15	-12 27 52.16	-0.043	17	0.31	0.329	18	33.7	51.47	16	33.7	M3 J	11	200	A -12 183
65		8.7A	58 6.434	0.0030	18	-17 21 24.72	0.016	15	0.32	6.386	18	33.7	24.98	16	33.7	F0 J	12B	259	A -17 176
66		8.4A	58 10.144	0.0027	18	-18 23 16.51	0.020	13	0.31	10.101	18	33.7	16.84	16	33.7	F0 J	12B	260	A -18 163
67		9.2A	58 29.926	0.0069	21	-13 55 22.34	-0.100	15	0.34	29.813	18	33.7	20.70	16	33.7	G0 J	12A	253	A -14 187
68		7.6A	58 39.117	0.0004	18	-19 6 30.67	-0.012	13	0.31	39.110	18	33.7	30.47	16	33.7	K0 J	12B	262	A -19 155
69		8.8A	58 51.605	-0.0002	21	-16 33 46.50	-0.012	15	0.34	51.608	18	33.7	46.30	16	33.7	F0 J	12A	254	A -17 177
70		8.8A	59 2.708	-0.0015	13	-12 40 30.19	0.015	15	0.29	2.732	18	33.7	30.44	16	33.7	K2 J	11	203	A -13 179
71		9.2B	59 5.602	0.0016	11	-10 29 52.92	-0.037	08	0.47	5.535	19	07.3	51.11	19	00.4	F5	GC	1234K	-11 188
72		6.6H	59 9.759	0.0051	02	-16 31 59.35	-0.082	03	0.08	9.641	04	27.1	57.27	05	24.6	G5	F4	1025	-17 180
73		9.3A	59 11.593	-0.0016	15	-10 11 51.73	-0.084	15	0.30	11.620	18	33.7	50.38	16	33.7	G0 J	11	205	A -10 214
74		8.5A	59 19.220	0.0110	18	-19 41 9.05	-0.147	15	0.31	19.040	16	33.7	6.65	16	33.7	G0 J	13A	263	A -20 183
75		8.5A	59 24.088	0.0023	21	-14 24 0.17	0.007	15	0.34	24.050	18	33.7	0.28	16	33.7	F2 J	12A	256	A -14 191
76		9.4A	59 34.529	0.0049	21	-13 36 36.41	-0.087	15	0.34	34.449	18	33.7	34.99	16	33.7	G5 J	12A	257	A -14 192
77		8.8A	59 36.757	-0.0002	13	-11 31 30.09	-0.002	15	0.29	36.761	18	33.7	30.06	16	33.7	K2 J	11	207	A -12 190
78		8.7A	59 38.974	0.0091	18	-19 56 15.76	-0.062	13	0.30	38.827	16	33.7	14.75	16	33.7	G0 J	13A	264	A -20 186
79		7.8A	59 47.071	-0.0005	15	-10 55 57.37	0.013	17	0.31	47.079	18	33.7	57.58	16	33.7	K0 J	11	208	A -11 191
80		9.1A	1 0 0.888	0.0020	21	-16 24 34.86	0.022	15	0.34	0.856	18	33.7	35.22	16	33.7	K0 J	12A	258	A -16 170
81		8.9A	0 18.166	0.0022	13	-10 48 9.72	-0.020	15	0.29	18.131	18	33.7	9.40	16	33.7	F5 J	11	209	A -11 193
82		8.0A	0 28.768	-0.0014	15	-10 7 47.19	0.037	17	0.31	26.791	18	33.7	47.80	16	33.7	G0 J	11	210	A -10 220
83		8.7A	0 40.694	-0.0045	13	-10 43 41.07	-0.027	15	0.29	40.686	18	33.7	40.63	16	33.7	G5 J	11	211	A -11 195
84		9.0A	0 53.522	-0.0045	17	-15 42 40.61	-0.012	11	0.28	53.596	18	33.7	40.41	16	33.7	F0 J	12A	259	A -16 171
85		9.0A	1 0.632	-0.0021	21	-14 46 27.97	-0.066	15	0.34	0.667	18	33.7	26.90	16	33.7	G0 J	12A	260	A -15 191
86		9.3A	1 4.758	-0.0012	21	-16 30 46.68	0.031	15	0.34	4.777	18	33.7	47.19	16	33.7	G5 J	12A	261	A -17 187
87		8.5A	1 16.594	0.0015	15	-11 56 21.77	-0.031	15	0.30	16.570	18	33.7	21.27	16	33.7	G5 J	11	212	A -12 196
88		9.1A	1 20.023	-0.0036	18	-17 28 7.17	0.004	13	0.31	20.084	18	33.7	7.24	16	33.7	F8 J	12B	268	A -17 188
89		9.0A	1 33.659	0.0020	18	-18 50 1.20	0.014	13	0.31	33.826	18	33.7	1.43	16	33.7	A0 J	12B	269	A -19 168
90		9.1A	1 39.699	0.0010	18	-18 59 50.54	-0.016	13	0.31	39.683	18	33.7	50.28	16	33.7	K0 J	12B	270	A -19 169
91		9.0A	1 54.919	-0.0004	18	-17 54 51.65	-0.020	13	0.31	54.925	18	33.7	51.33	16	33.7	K	12B	271	A -18 173
92		8.8A	2 8.721	0.0000	13	-12 35 56.42	0.006	15	0.29	8.720	18	33.7	56.53	16	33.7	F8 J	11	214	A -13 193
93		9.0A	2 10.637	-0.0007	18	-18 12 59.76	0.007	13	0.31	10.649	18	33.7	59.88	16	33.7	G0 J	12B	273	A -18 174
94		8.5A	2 13.842	-0.0021	15	-10 19 29.54	-0.055	17	0.31	13.877	18	33.7	28.65	16	33.7	F5 J	11	215	A -10 226
95		8.7A	2 15.630	0.0110	18	-18 35 19.79	-0.046	13	0.31	15.452	18	33.7	19.04	16	33.7	G0 J	12B	274	A -19 171
96		8.8A	2 21.107	-0.0028	18	-17 44 28.81	0.020	13	0.31	21.153	18	33.7	29.14	16	33.7	F5 J	12B	276	A -18 175
97		7.5T	2 34.678	0.0002	16	-14 1 35.87	-0.026	13	0.74	34.666	22	03.0	34.56	19	00.3	K0	GC	1303	-14 203
98		9.0A	2 41.565	-0.0003	21	-15 10 24.42	-0.008	15	0.34	41.570	18	33.7	24.28	16	33.7	G5 J	12A	264	A -15 194
99		8.7A	2 42.252	0.0013	15	-12 41 10.27	-0.024	17	0.31	42.231	18	33.7	9.89	16	33.7	F5 J	11	216	A -13 195
00		8.0A	2 55.760	0.0092	15	-13 10 17.39	0.072	15	0.30	55.675	18	33.7	18.56	16	33.7	G0 J	11	217	A -13 196

147600

EPOCH 1950 — ORIGINAL EPOCH — SOURCE — −10° 1H

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	α_{1950} h m s	μ s	σ_μ .001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ .001	σ_{1950} ″	α_2 s	σ .01	ep.	δ_2 ″	σ' .01	ep.	SP.		CAT.	STAR NUMBER	DM NUMBER
1		6.4T	1 3 6.491	-0.0026	04	-10 14 46.80	-0.030	04	0.23	6.628	10	97.9	45.12	10	93.3	G5		GC	1313	B*-10 229
2		8.9A	3 8.811	0.0018	21	-14 47 8.54	0.000	15	0.34	8.782	18	33.7	8.55	16	33.7	K0	J	12A	265	A -15 196
3		9.4A	3 11.638	-0.0000	21	-16 52 8.71	-0.025	15	0.34	11.636	18	33.7	8.30	16	33.7	F2	J	12A	266	A -17 190
4		9.1A	3 18.262	0.0028	21	-15 9 7.31	-0.028	15	0.34	18.217	18	33.7	6.85	16	33.7	G5	J	12A	267	A -15 199
5		8.5A	3 25.460	-0.0011	15	-13 18 20.88	-0.002	17	0.31	25.478	18	33.7	20.86	16	33.7	K0	J	11	219	A -13 197
6		5.6T	3 34.548	0.0017	04	-10 6 24.47	0.007	04	0.23	34.458	10	95.6	24.90	10	92.2	A0		GC	1325	B*-10 230
7		8.8A	3 35.477	-0.0028	18	-19 51 17.00	-0.025	13	0.30	35.524	16	33.7	16.59	16	33.7	F5	J	13A	281	A -20 194
8		6.9T	3 36.222	0.0008	15	-11 15 7.26	-0.006	17	0.85	36.183	24	98.4	6.99	22	98.7	G5		GC	1326	-11 207
9		8.9A	3 43.274	0.0031	18	-19 6 19.62	-0.040	13	0.31	43.223	18	33.7	18.97	16	33.7	A3	J	12B	282	A -19 178
10		7.4T	3 56.373	0.0016	08	-10 2 1.79	0.014	08	0.46	56.290	18	96.9	2.58	17	94.9	A2		GC	1337	-10 232
11		8.8A	3 56.863	0.0075	21	-14 33 44.21	-0.089	15	0.34	56.741	18	33.7	42.77	16	33.7	K0	J	12A	268	A -15 200
12		7.3T	4 15.898	0.0007	15	-15 46 37.60	-0.017	12	0.63	15.864	18	01.6	36.75	17	00.2	G0		GC	1344	-16 177
13		9.1A	4 17.256	0.0011	17	-10 7 47.80	0.043	18	0.33	17.238	18	33.7	48.51	16	33.7	F2	J	11	223	A -10 235
14		9.2A	4 17.531	-0.0012	21	-13 49 48.61	-0.007	15	0.34	17.550	18	33.7	48.49	16	33.7	K2	J	12A	270	A -14 211
15		8.9A	4 27.561	0.0044	18	-14 23 44.74	-0.025	13	0.31	27.489	18	33.7	44.33	16	33.7	G0	J	12A	271	A -14 212
16		9.0A	4 32.389	0.0038	15	-11 25 6.03	0.012	15	0.30	32.328	18	33.7	6.23	16	33.7	K2	J	11	224	A -11 210
17		8.8A	4 53.819	-0.0051	18	-10 50 16.01	-0.013	20	0.35	53.902	18	33.7	15.80	16	33.7	F2	J	11	225	A -11 211
18		6.7A	5 0.847	0.0052	17	-19 24 35.91	-0.081	12	0.28	0.762	16	33.7	34.59	16	33.7	G0	J	13A	286	A -19 180
19		9.3A	5 5.705	0.0007	21	-16 27 41.36	0.002	15	0.34	5.692	18	33.7	41.39	16	33.7	F0	J	12A	272	A -16 182
20		8.7A	5 11.099	0.0016	21	-14 26 11.97	0.003	15	0.34	11.073	18	33.7	12.01	16	33.7	G5	J	12A	273	A -14 216
21		9.1A	5 13.538	0.0014	21	-16 45 10.90	-0.014	15	0.34	13.516	18	33.7	10.58	16	33.7	K0	J	12A	274	A -17 195
22		5.9T	5 15.286	0.0100	04	-10 3 9.23	0.021	03	0.17	14.849	07	06.1	10.19	07	05.5	F2		GC	1369	B*-10 238
23		8.0A	5 15.669	0.0001	00	-19 34 36.72	-0.155	13	0.22	15.667	16	33.7	34.19	16	33.7	G5	J	13A	288	A -20 203
24		8.8A	5 15.799	0.0204	21	-16 12 57.66	-0.024	15	0.34	15.468	18	33.7	57.27	16	33.7	G0	J	12A	275	A -16 183
25		9.0A	5 28.749	-0.0046	13	-17 54 47.03	-0.001	09	0.25	28.823	18	33.7	47.02	16	33.7	F5	J	12B	289	A -18 183
26		9.1A	5 36.399	0.0055	21	-16 20 15.10	-0.004	15	0.34	36.310	18	33.7	15.03	16	33.7	G0	J	12A	276	A -16 185
27		8.1G	5 40.971	0.0048	15	-12 26 5.47	-0.002	13	0.71	40.746	22	02.7	5.39	22	00.7	G5		GC	1380	-12 209
28		8.6A	5 41.940	0.0003	21	-13 31 17.08	0.006	15	0.34	41.935	18	33.7	17.17	16	33.7	F5	J	12A	277	A -14 219
29		9.0A	5 53.478	-0.0001	17	-19 13 5.15	-0.050	12	0.29	53.479	18	33.7	4.33	16	33.7	G0	J	12B	291	A -19 185
30		8.9A	5 56.346	0.0008	21	-15 26 40.57	0.002	15	0.34	56.334	18	33.7	40.60	16	33.7	K0	J	12A	278	A -15 206
31		8.0A	5 58.655	0.0013	17	-19 25 59.18	-0.036	12	0.28	58.635	16	33.7	58.59	16	33.7	G5	J	13A	292	A -19 186
32		3.4M	6 4.420	0.0145	01	-10 26 48.57	-0.133	01	0.05	3.902	02	14.3	43.82	02	14.2	K0		F4	40	-10 240
33		8.6A	6 11.103	-0.0003	18	-17 19 47.65	-0.001	13	0.31	11.108	18	33.7	47.63	16	33.7	M1	J	12B	294	A -17 198
34		8.5A	6 31.499	0.0001	18	-12 21 33.96	0.062	20	0.35	31.498	18	33.7	34.97	16	33.7	F0	J	11	231	A -12 210
35		8.9A	6 32.210	-0.0000	17	-10 22 0.48	0.006	18	0.33	32.211	18	33.7	0.58	16	33.7	K0	J	11	232	A -10 243
36		9.1A	6 32.661	0.0001	00	-19 38 23.55	0.015	15	0.23	32.659	16	33.7	23.79	16	33.7	G0	J	13A	295	A -20 207
37		8.9A	6 52.985	-0.0008	17	-12 22 50.97	-0.058	18	0.33	52.998	18	33.7	50.03	16	33.7	K0	J	11	233	A -12 212
38		9.0A	6 57.476	-0.0017	17	-11 5 32.83	-0.052	18	0.33	57.504	18	33.7	31.99	16	33.7	F5	J	11	234	A -11 217
39		9.4A	7 0.672	0.0049	21	-16 18 20.51	0.001	15	0.34	0.593	18	33.7	20.53	16	33.7	G0	J	12A	280	A -16 188
40		8.7A	7 5.290	-0.0010	18	-19 39 27.99	-0.011	13	0.30	5.307	16	33.7	27.81	16	33.7	G5	J	13A	298	A -20 209
41		7.8A	7 6.292	-0.0001	18	-11 56 41.19	-0.029	20	0.35	6.294	18	33.7	40.72	16	33.7	A3	J	11	235	A -12 213
42		8.9A	7 20.829	-0.0002	18	-17 48 28.00	0.003	13	0.31	20.833	18	33.7	28.05	16	33.7	G	J	12B	300	A -18 186
43		9.0A	7 22.064	0.0016	18	-17 45 28.67	-0.027	13	0.31	22.038	18	33.7	28.24	16	33.7	G5	J	12B	301	A -18 187
44		9.1A	7 23.505	0.0008	15	-12 44 33.81	0.048	17	0.31	23.492	18	33.7	34.60	16	33.7	G0	J	11	236	A -13 210
45		9.0A	7 27.992	0.0019	21	-14 31 9.98	-0.015	15	0.34	27.961	18	33.7	9.74	16	33.7	G5	J	12A	281	A -15 210
46		9.4A	7 29.456	-0.0023	18	-15 43 30.20	-0.038	13	0.31	29.494	18	33.7	29.58	16	33.7	G0	J	12A	282	A -16 189
47		9.0A	7 34.301	0.0030	21	-14 17 29.76	-0.008	15	0.34	34.251	18	33.7	29.62	16	33.7	F8	J	12A	283	A -14 223
48		8.8A	7 38.249	-0.0002	21	-14 41 10.00	-0.039	15	0.34	38.253	18	33.7	9.37	16	33.7	G5	J	12A	284	A -15 211
49		8.6A	7 45.039	0.0182	18	-10 37 8.69	-0.024	20	0.35	44.744	18	33.7	8.30	16	33.7	G0	J	11	237	A -11 220
50		7.4A	7 55.437	-0.0017	21	-16 34 21.46	-0.020	15	0.34	55.465	18	33.7	21.13	16	33.7	G5	J	12A	285	A -17 204
51		8.5A	1 8 16.289	0.0019	15	-12 17 36.16	0.008	15	0.30	16.259	18	33.7	36.29	16	33.7	K0	J	11	239	A -12 216
52		8.4A	8 31.420	0.0004	15	-11 38 56.74	-0.015	17	0.31	31.415	18	33.7	56.50	16	33.7	F8	J	11	240	A -12 217
53		8.9A	8 34.024	0.0095	21	-15 58 9.10	-0.004	15	0.34	33.869	18	33.7	9.04	16	33.7	F8	J	12A	287	A -16 191
54		7.5T	8 34.643	0.0073	26	-19 4 13.45	-0.004	22	1.09	34.320	21	05.8	13.25	19	04.6	K2		GC	1436	-19 195
55		9.1A	8 35.105	0.0025	13	-10 12 5.62	-0.039	15	0.29	35.064	18	33.7	4.99	16	33.7	G0	J	11	241	A -10 248
56		7.7T	8 48.361	0.0006	15	-13 46 8.09	0.001	13	0.73	48.331	24	01.9	8.11	22	99.9	MB		GC	1439	-14 225
57		9.1A	8 58.980	-0.0000	18	-19 50 53.93	-0.009	12	0.30	58.980	16	33.7	53.78	16	33.7	F5	J	13A	306	A -20 214
58		7.2A	9 3.071	-0.0021	15	-13 6 27.30	-0.070	15	0.30	3.106	18	33.7	26.16	16	33.7	G0	J	11	242	A -13 217
59		9.2A	9 8.655	0.0000	18	-19 10 26.22	-0.012	13	0.31	8.655	18	33.7	26.02	16	33.7	G0	J	12B	308	A -19 196
60		8.9A	9 15.892	0.0001	18	-19 55 32.53	-0.022	15	0.31	15.890	16	33.7	32.17	16	33.7	K0	J	13A	309	A -20 215
61		8.9A	9 17.911	-0.0024	18	-17 48 6.69	0.017	13	0.31	17.950	18	33.7	6.97	16	33.7	K0	J	12B	310	A -18 192
62		9.0A	9 22.761	0.0019	18	-13 57 34.01	0.002	13	0.31	22.729	16	33.7	34.04	16	33.7	K5	J	12A	289	A -14 227
63		8.9A	9 24.341	0.0015	15	-11 58 46.68	0.009	17	0.31	24.317	18	33.7	46.83	16	33.7	F8	J	11	243	A -12 220
64		8.4A	9 24.584	0.0000	21	-16 19 35.61	-0.125	15	0.34	24.584	18	33.7	33.58	16	33.7	F8	J	12A	290	A -16 195
65		9.0A	9 25.857	-0.0028	21	-14 49 11.72	-0.014	15	0.34	25.901	18	33.7	11.50	16	33.7	G0	J	12A	291	A -15 217
66		8.5A	9 31.705	-0.0009	18	-18 4 44.96	-0.022	13	0.31	31.720	18	33.7	44.61	16	33.7	K0	J	12B	312	A -18 194
67		8.7A	9 34.509	0.0001	21	-15 57 21.68	-0.013	15	0.34	34.507	18	33.7	21.47	16	33.7	K5	J	12A	292	A -16 196
68		9.0A	9 36.282	0.0028	18	-13 53 30.82	-0.004	13	0.31	36.237	18	33.7	30.75	16	33.7	F0	J	12A	293	A -14 228
69		7.9A	9 46.121	0.0007	15	-11 12 19.10	-0.008	17	0.31	46.110	18	33.7	18.97	16	33.7	K0	J	11	244	A -11 224
70		8.8A	10 1.383	0.0037	15	-10 33 55.59	0.000	17	0.31	1.323	18	33.7	55.59	16	33.7	K0	J	11	246	A -11 227
71		9.4A	10 12.951	0.0026	17	-16 50 57.02	0.036	11	0.28	12.909	18	33.7	57.61	16	33.7	G0	J	12A	294	A -17 210
72		9.1A	10 24.347	0.0022	21	-14 17 33.82	0.024	15	0.34	24.312	18	33.7	34.20	16	33.7	K2	J	12A	295	A -14 231
73		8.8A	10 29.493	-0.0010	21	-15 1 58.27	-0.029	15	0.34	29.509	18	33.7	57.79	16	33.7	K0	J	12A	296	A -15 222
74		9.2A	10 34.137	0.0007	21	-16 57 8.37	-0.019	15	0.34	34.125	18	33.7	8.06	16	33.7	G5	J	12A	298	A -17 211
75		8.9A	10 35.020	-0.0024	21	-14 13 32.67	-0.100	15	0.34	35.058	18	33.7	31.04	16	33.7	K0	J	12A	297	A -14 233
76		8.9A	11 2.353	0.0067	17	-19 25 47.22	-0.126	12	0.28	2.244	16	33.7	45.16	16	33.7	G0	J	13A	314	A -19 200
77		9.1A	11 3.980	0.0021	15	-12 40 4.41	0.013	17	0.31	3.946	18	33.7	4.63	16	33.7	K2	J	11	247	A -13 222
78		8.2A	11 12.497	0.0110	13	-12 11 41.03	0.083	15	0.29	12.318	18	33.7	42.39	16	33.7	F5	J	11	248	A -12 226
79		9.2A	11 15.405	-0.0004	21	-15 53 46.75	0.012	15	0.34	15.412	18	33.7	46.95	16	33.7	K0	J	12A	299	A -16 199
80		8.4A	11 20.132	-0.0022	21	-15 36 27.05	-0.160	15	0.34	20.169	18	33.7	24.45	16	33.7	A5	J	12A	300	A -16 200
81		9.4A	11 24.351	0.0023	21	-15 7 38.38	0.051	15	0.34	24.313	18	33.7	39.20	16	33.7	G0	J	12A	301	A -15 229
82		6.8T	11 32.261	0.0015	13	-13 44 26.14	0.017	11	0.56	32.196	19	07.4	26.93	18	02.4	A5		GC	1483	-14 235
83		8.4A	11 34.452	0.0014	15	-12 5 46.67	-0.036	17	0.31	34.429	18	33.7	46.09	16	33.7	F8	J	11	249	A -12 227
84		9.4A	11 36.004	0.0052	21	-17 9 11.39	-0.012	15	0.34	35.920	18	33.7	11.20	16	33.7	G0	J	12A	303	A -17 218
85		8.9A	11 38.056	-0.0002	15	-10 4 0.40	0.022	17	0.31	38.060	18	33.7	0.77	16	33.7	K0	J	11	250	A -10 259
86		9.2A	11 38.945	0.0126	21	-16 41 21.38	-0.120	15	0.34	38.741	18	33.7	19.42	16	33.7	G0	J	12A	304	A -17 219
87		9.2A	11 41.391	-0.0026	21	-15 16 56.85	0.002	15	0.34	41.432	18	33.7	56.88	16	33.7	F8	J	12A	305	A -15 230
88		8.8A	11 44.080	-0.0018	21	-16 23 40.26	0.013	15	0.34	44.109	18	33.7	40.47	16	33.7	K2	J	12A	306	A -16 201
89		9.3A	11 59.237	-0.0007	21	-17 7 47.17	-0.015	15	0.34	59.248	18	33.7	46.92	16	33.7	F5	J	12A	307	A -17 221
90		8.7A	12 2.922	-0.0003	21	-14 32 15.29	0.009	15	0.34	2.928	18	33.7	15.44	16	33.7	K0	J	12A	308	A -15 232
91		8.2A	12 19.313	0.0006	18	-17 30 14.02	0.008	13	0.31	19.303	18	33.7	14.15	16	33.7	A3	J	12B	319	A -18 199
92		7.3T	12 26.145	0.0068	09	-16 4 57.74	-0.033	07	0.44	25.817	15	01.8	55.98	15	96.7	F8		GC	1504	-16 206
93		8.0A	12 34.338	0.0001	17	-18 26 35.53	0.018	12	0.29	34.337	18	33.7	35.83	16	33.7	G5	J	12B	320	A -18 200
94		8.9A	12 37.572	0.0024	18	-19 57 0.58	-0.029	13	0.30	37.533	16	33.8	0.11	16	33.8	G5	J	13A	321	A -20 223
95		8.6A	12 42.074	0.0052	21	-15 24 50.51	-0.021	15	0.34	41.989	18	33.7	50.16	16	33.7	K2	J	12A	311	A -15 233
96		8.9A	12 52.841	-0.0029	21	-14 10 0.98	-0.056	15	0.34	52.887	18	33.7	0.07	16	33.7	F5	J	12A	312	A -14 240
97		9.2A	12 57.092	0.0037	18	-18 13 14.55	-0.025	13	0.31	57.032	18	33.7	14.14	16	33.7	M0	J	12B	322	A -18 203
98		8.5A	13 15.904	-0.0027	20	-18 40 46.58	-0.051	15	0.33	15.946	18	33.7	45.75	16	33.7	F8	J	12B	325	A -19 208
99		8.3A	13 16.845	0.0001	15	-10 3 4.15	0.006	17	0.31	16.844	18	33.7	4.25	16	33.7	A0	J	11	253	A -10 263
00		9.2A	13 18.537	0.0024	13	-11 48 25.48	-0.014	15	0.29	18.498	18	33.7	25.26	16	33.7	G0	J	11	254	A -12 230

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NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	EPOCH 1950 μ s	EPOCH 1950 σ_μ ″.001	EPOCH 1950 δ_{1950} ° ′ ″	EPOCH 1950 μ' ″	EPOCH 1950 $\sigma_{\mu'}$ ″.001	EPOCH 1950 σ_{1950} ″	ORIGINAL EPOCH α_2 s	ORIGINAL EPOCH σ ″.01	ORIGINAL EPOCH ep.	ORIGINAL EPOCH δ_2 ″	ORIGINAL EPOCH σ' ″.01	ORIGINAL EPOCH ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	-10° 1H DM NUMBER
1		8.4A	1 13 20.461	0.0005	20	-17 38 54.27	-0.003	15	0.33	20.452	18	33.7	54.23	16	33.7	F5 J	12B	326	A -18 204
2		7.5T	13 54.642	0.0092	18	-12 21 38.89	-0.021	15	0.81	54.230	26	05.0	37.91	24	02.4	G5	GC	1531	-12 233
3		8.8A	13 58.118	0.0004	21	-13 48 41.36	-0.012	15	0.34	58.111	18	33.7	41.16	16	33.7	M0 J	12A	315	A -14 244
4		8.9A	14 2.922	0.0022	21	-16 53 9.34	0.013	15	0.34	2.886	18	33.7	9.55	16	33.7	K0 J	12A	316	A -17 226
5		8.9A	14 16.780	0.0022	21	-16 58 25.16	-0.068	15	0.34	16.744	18	33.7	24.06	16	33.7	G0 J	12A	317	A -17 227
6		9.0A	14 17.002	-0.0052	18	-18 24 59.32	-0.038	13	0.31	17.087	18	33.7	58.71	16	33.7	G5 J	12B	329	A -18 205
7		8.6A	14 20.790	-0.0017	13	-10 31 48.77	-0.029	13	0.28	20.817	18	33.7	48.30	16	33.7	F5 J	11	256	A -11 237
8		9.1A	14 21.764	-0.0003	21	-14 52 53.03	0.016	15	0.34	21.769	18	33.7	53.29	16	33.7	K2 J	12A	318	A -15 238
9		9.0A	14 27.986	0.0012	21	-15 19 45.38	0.007	15	0.34	27.967	18	33.7	45.50	16	33.7	K0 J	12A	319	A -15 239
10		8.0A	14 32.889	-0.0017	18	-17 20 58.68	-0.010	13	0.31	32.917	18	33.7	58.51	16	33.7	F0 J	12B	332	A -17 229
11		9.0A	14 34.518	0.0044	21	-14 27 1.06	-0.023	15	0.34	34.446	18	33.7	0.68	16	33.7	F5 J	12A	321	A -14 248
12		9.0A	14 39.194	-0.0015	13	-11 42 48.61	-0.031	15	0.29	39.219	18	33.7	48.11	16	33.7	F8 J	11	257	A -12 236
13		8.8A	14 41.747	-0.0007	15	-11 1 9.62	-0.030	17	0.31	41.758	18	33.7	9.13	16	33.7	G5 J	11	258	A -11 238
14		8.7A	14 43.229	0.0005	15	-10 26 52.60	0.032	17	0.31	43.221	18	33.7	53.13	16	33.7	F5 J	11	259	A -10 270
15		8.6A	14 44.794	0.0010	15	-10 13 43.50	-0.043	17	0.31	44.777	18	33.7	42.80	16	33.7	G0 J	11	260	A -10 271
16		8.9A	14 51.078	-0.0011	20	-19 7 26.87	-0.005	15	0.33	51.096	18	33.7	26.78	16	33.7	G0 J	12B	333	A -19 212
17		9.0A	14 51.345	0.0111	21	-15 53 29.13	0.056	15	0.34	51.165	18	33.7	30.04	16	33.7	G0 J	12A	322	A -16 213
18		8.5A	14 54.138	0.0002	18	-19 17 26.39	-0.028	13	0.31	54.136	18	33.7	25.93	16	33.7	G0 J	12B	334	A -19 214
19		9.3A	14 58.364	0.0018	21	-14 40 14.82	-0.038	15	0.34	58.334	18	33.7	14.21	16	33.7	G0 J	12A	323	A -15 241
20		8.1A	15 2.416	-0.0008	17	-17 48 4.97	-0.026	12	0.29	2.429	18	33.7	4.55	16	33.7	G5 J	12B	335	A -18 207
21		9.1A	15 5.395	0.0188	21	-15 45 35.39	-0.472	15	0.34	5.090	18	33.7	27.72	16	33.7	K0 J	12A	324	A -16 214
22		9.4A	15 11.196	0.0014	21	-16 4 13.04	0.004	15	0.34	11.173	18	33.7	13.11	16	33.7	F5 J	12A	325	A -16 215
23		9.2A	15 11.499	0.0002	21	-16 42 13.84	-0.009	15	0.34	11.496	18	33.7	13.69	16	33.7	F5 J	12A	326	A -17 231
24		8.4Q	15 14.375	0.0011	12	-12 36 25.76	-0.102	09	0.49	14.328	18	08.9	20.99	19	03.0	F8	GC	1567K	B*-13 231
25		8.9A	15 16.420	-0.0001	18	-19 0 33.62	-0.008	15	0.32	16.422	18	33.7	33.48	16	33.7	F5 J	12B	336	A -19 216
26		8.6A	15 28.379	-0.0015	15	-10 12 14.31	0.013	17	0.31	28.404	18	33.7	14.52	16	33.7	F0 J	11	265	A -10 277
27		9.1A	15 37.167	0.0006	18	-19 54 31.24	-0.152	13	0.30	37.158	16	33.8	28.77	16	33.8	G0 J	13A	338	A -20 233
28		8.7A	15 47.604	-0.0004	15	-11 47 24.96	0.009	17	0.31	47.611	18	33.7	25.11	16	33.7	K5 J	11	266	A -12 238
29		8.1A	16 8.505	-0.0014	18	-19 37 39.98	-0.043	13	0.30	8.527	16	33.8	39.28	16	33.8	G5 J	13A	340	A -20 235
30		9.0A	16 13.153	-0.0010	18	-19 59 25.13	0.007	15	0.31	13.170	16	33.8	25.24	16	33.8	G5 J	13A	341	A -20 237
31		7.8A	16 14.226	0.0012	21	-13 39 34.64	0.022	15	0.34	14.206	18	33.7	34.99	16	33.7	G5 J	12A	327	A -14 252
32		9.0A	16 20.125	-0.0021	18	-19 21 43.97	-0.005	13	0.30	20.159	16	33.8	43.88	16	33.8	K5 J	13A	343	A -19 218
33		8.3A	16 29.018	-0.0062	15	-11 14 9.62	-0.023	17	0.31	29.120	18	33.7	9.25	16	33.7	G0 J	11	268	A -11 242
34		9.0A	16 36.090	0.0045	21	-15 6 23.94	-0.034	15	0.34	36.017	18	33.7	23.39	16	33.7	F5 J	12A	328	A -15 244
35		9.0A	16 44.587	0.0017	21	-14 52 48.46	0.013	15	0.34	44.560	18	33.7	48.68	16	33.7	K0 J	12A	329	A -15 245
36		8.6A	17 1.505	-0.0019	15	-10 56 19.84	-0.010	17	0.31	1.536	18	33.7	19.68	16	33.7	G0 J	11	270	A -11 245
37		9.2A	17 16.190	0.0035	21	-13 32 48.05	-0.063	15	0.34	16.133	18	33.7	47.02	16	33.7	K2 J	12A	330	A -14 255
38		8.6A	17 21.992	0.0046	15	-10 14 14.36	0.035	17	0.31	21.918	18	33.7	14.94	16	33.7	F8 J	11	272	A -10 284
39		8.1A	17 22.153	-0.0002	21	-15 10 34.18	-0.022	15	0.34	22.157	18	33.7	33.82	16	33.7	F0 J	12A	331	A -15 247
40		8.2A	17 22.951	0.0009	21	-17 17 59.88	-0.026	15	0.34	22.936	18	33.7	59.46	16	33.7	K0 J	12A	332	A -17 232
41		6.7T	17 30.222	0.0038	09	-16 4 29.75	-0.096	07	0.33	30.069	09	09.7	25.82	07	09.1	G0	GC	1605K	B*-16 223
42		6.6T	17 33.102	0.0016	12	-10 8 41.43	-0.068	10	0.57	33.027	18	01.8	38.09	17	00.5	F2	GC	1608	-10 286
43		9.3A	17 37.034	-0.0002	21	-17 6 37.30	0.003	15	0.34	37.037	18	33.7	37.35	16	33.7	K0 J	12A	334	A -17 234
44		8.9A	17 47.286	0.0009	15	-10 0 33.87	0.032	15	0.30	47.271	18	33.7	34.40	16	33.7	M2 J	11	274	A -10 288
45		9.3A	17 56.001	-0.0015	21	-17 7 27.75	-0.004	15	0.34	56.025	18	33.7	27.68	16	33.7	G5 J	12A	335	A -17 236
46		6.3T	17 58.798	-0.0033	15	-11 29 59.91	-0.068	13	0.79	58.974	22	97.5	56.24	22	95.7	K0	GC	1618	-11 248
47		8.3A	18 2.769	0.0068	13	-11 43 39.32	-0.109	15	0.29	2.658	18	33.7	37.55	16	33.7	G0 J	11	276	A -12 243
48		9.4A	18 9.771	-0.0011	18	-16 26 59.35	0.033	13	0.31	9.789	18	33.7	59.89	16	33.7	F8 J	12A	336	A -16 224
49		8.7A	18 11.727	-0.0012	15	-12 2 28.50	0.040	17	0.31	11.746	18	33.7	29.16	16	33.7	K0 J	11	277	A -12 245
50		7.0T	18 12.452	0.0035	13	-14 9 6.48	0.022	11	0.62	12.292	21	04.6	7.54	19	00.7	G5	GC	1626	B*-14 258
51		9.0A	1 18 17.883	0.0002	15	-11 17 3.09	-0.020	15	0.30	17.880	18	33.7	2.77	16	33.7	G5 J	11	278	A -11 250
52		9.2A	18 26.730	-0.0021	21	-13 34 45.58	-0.014	15	0.34	26.764	18	33.7	45.35	16	33.7	G5 J	12A	338	A -14 260
53		8.6A	18 31.704	0.0062	13	-13 0 16.58	0.038	15	0.29	31.603	18	33.7	17.21	16	33.7	G0 J	11	280	A -13 241
54		9.1A	18 36.798	0.0004	18	-14 50 34.70	-0.014	13	0.31	36.792	18	33.7	34.48	16	33.7	K2 J	12A	339	A -15 250
55		9.0A	18 49.966	0.0002	21	-15 36 30.07	0.017	15	0.34	49.962	18	33.7	30.35	16	33.7	K2 J	12A	340	A -16 226
56		9.4A	18 57.557	-0.0019	18	-17 0 18.51	0.007	13	0.31	57.587	18	33.7	18.62	16	33.7	G5 J	12A	341	A -17 238
57		8.8A	19 6.031	0.0004	15	-11 50 35.04	-0.035	17	0.31	6.025	18	33.7	34.47	16	33.7	F8 J	11	281	A -12 247
58		9.0A	19 10.793	0.0021	18	-18 8 28.00	0.025	13	0.31	10.759	18	33.7	28.41	16	33.7	K0 J	12B	348	A -18 216
59		8.9A	19 25.681	0.0019	17	-19 13 22.21	-0.003	12	0.29	25.651	18	33.7	22.16	16	33.7	F5 J	12B	350	A -19 227
60		8.8A	19 30.799	0.0048	15	-12 35 58.07	0.077	17	0.31	30.720	18	33.7	59.34	16	33.7	G5 J	11	285	A -13 243
61		8.9A	19 48.904	0.0003	15	-12 42 45.47	0.020	17	0.31	48.899	18	33.7	45.81	16	33.7	G5 J	11	286	A -13 246
62		9.2A	19 49.004	-0.0010	18	-17 53 39.10	0.015	13	0.31	49.020	18	33.7	39.35	16	33.7	A0 J	12B	353	A -18 217
63		8.8A	19 51.761	-0.0007	21	-14 14 26.34	0.001	15	0.34	51.773	18	33.7	26.35	16	33.7	K5 J	12A	342	A -14 265
64		8.9A	19 53.873	0.0014	17	-19 50 23.69	-0.004	12	0.28	53.850	16	33.8	23.62	16	33.8	G0 J	13A	354	A -20 256
65		8.4A	19 58.197	-0.0009	15	-10 52 0.52	0.000	17	0.31	58.211	18	33.7	0.52	16	33.7	A0 J	11	287	A -11 255
66		8.1A	20 1.858	-0.0012	18	-19 4 4.88	0.026	13	0.31	1.878	18	33.7	5.30	16	33.7	K0 J	12B	355	A -19 228
67		6.4T	20 5.003	-0.0042	08	-19 20 29.36	-0.067	08	0.32	5.154	12	13.8	26.88	12	13.2	F5	GC	1658K	B*-19 229
68		7.9A	20 32.755	0.0326	17	-13 13 36.11	-0.036	18	0.33	32.223	18	33.7	35.53	16	33.7	K0 J	11	289	A -13 249
69		8.4A	20 34.566	-0.0090	21	-16 44 44.58	-0.138	15	0.34	34.712	18	33.7	42.34	16	33.7	G0 J	12A	343	A -17 247
70		8.9A	20 34.828	-0.0034	13	-19 10 46.08	-0.035	11	0.26	34.883	18	33.7	45.50	16	33.7	G0 J	12B	360	A -19 232
71		7.7T	20 35.519	0.0066	26	-16 49 18.97	0.077	17	0.93	35.258	21	10.4	22.53	24	03.7	G0	GC	1675	-17 248
72		9.0A	20 43.797	0.0086	21	-14 22 25.79	-0.014	15	0.34	43.657	18	33.7	25.56	16	33.7	G0 J	12A	345	A -14 268
73		7.2T	20 55.470	0.0022	22	-18 11 42.55	-0.031	18	0.99	55.369	26	04.5	41.05	22	01.4	M0	GC	1682	-18 222
74		8.4A	20 57.904	0.0067	21	-14 28 4.02	0.028	15	0.34	57.795	18	33.7	4.47	16	33.7	G0 J	12A	346	A -14 269
75		8.7A	21 0.689	-0.0017	17	-11 58 17.43	-0.019	18	0.33	0.717	18	33.7	17.12	16	33.7	K0 J	11	290	A -12 251
76		8.8A	21 2.061	-0.0014	18	-19 51 13.36	-0.090	13	0.30	2.084	16	33.8	11.90	16	33.8	F8 J	13A	365	A -20 259
77		8.6A	21 2.093	0.0035	21	-14 11 4.40	0.002	15	0.34	2.035	18	33.7	4.43	16	33.7	G0 J	12A	347	A -14 270
78		8.9A	21 3.926	-0.0031	21	-14 36 16.15	0.000	15	0.34	3.977	18	33.7	16.16	16	33.7	K5 J	12A	348	A -15 255
79		8.7A	21 4.883	-0.0068	18	-18 44 1.37	0.021	13	0.31	4.995	18	33.7	1.71	16	33.7	F8 J	12B	366	A -19 236
80		8.8A	21 6.101	0.0019	21	-16 28 59.03	-0.003	15	0.34	6.070	18	33.7	58.98	16	33.7	F5 J	12A	349	A -16 232
81		8.9A	21 7.619	0.0061	20	-10 59 57.30	0.027	20	0.36	7.519	18	33.7	57.74	16	33.7	G0 J	11	291	A -11 259
82		9.4A	21 13.957	0.0011	18	-10 10 56.16	0.003	20	0.35	13.939	18	33.7	56.22	16	33.7	G5 J	11	292	A -10 298
83		9.2A	21 18.469	0.0015	15	-10 58 53.45	-0.043	17	0.31	18.465	18	33.7	52.75	16	33.7	F2 J	11	293	A -11 260
84		8.6A	21 20.585	-0.0015	20	-11 39 54.31	0.009	20	0.36	20.609	18	33.7	54.46	16	33.7	A5 J	11	294	A -12 252
85		8.9A	21 32.099	-0.0002	20	-19 9 2.73	-0.044	15	0.33	32.102	18	33.7	2.01	16	33.7	G0 J	12B	367	A -19 238
86		8.3A	21 33.508	0.0003	17	-10 4 21.02	0.021	18	0.33	33.503	18	33.7	21.37	16	33.7	F8 J	11	295	A -10 299
87		8.5A	21 54.115	0.0006	18	-19 47 42.30	-0.006	13	0.30	54.105	16	33.8	42.20	16	33.8	K0 J	13A	370	A -20 262
88		9.0A	21 56.952	0.0026	17	-13 1 17.51	0.008	18	0.33	56.909	18	33.7	17.65	16	33.7	K0 J	11	296	A -13 255
89		8.5A	22 1.464	0.0061	20	-12 49 48.68	-0.001	20	0.36	1.365	18	33.7	48.68	16	33.7	G5 J	11	297	A -13 256
90		8.8A	22 9.222	-0.0002	20	-10 52 27.56	0.003	20	0.36	9.224	18	33.7	27.61	16	33.7	F5 J	11	298	A -11 265
91		9.0A	22 9.928	-0.0040	18	-18 28 50.01	-0.096	13	0.31	9.992	18	33.7	48.45	16	33.7	K0 J	12B	371	A -18 225
92		9.1A	22 11.079	-0.0007	21	-16 42 13.51	-0.034	15	0.34	11.090	18	33.7	12.95	16	33.7	K0 J	12A	350	A -17 253
93		8.4T	22 12.727	0.0005	12	-15 55 13.04	-0.002	11	0.59	12.703	17	03.0	12.94	15	01.7	G5	GC	1703	-16 237
94		7.9A	22 19.279	-0.0031	18	-10 41 24.25	0.029	20	0.35	19.330	18	33.7	24.73	16	33.7	G5 J	11	299	A -11 266
95		9.0A	22 38.376	-0.0004	18	-18 5 37.00	0.003	13	0.31	38.383	18	33.7	37.05	16	33.7	K5 J	12B	374	A -18 228
96		9.2A	22 46.443	-0.0025	21	-17 10 14.02	-0.027	15	0.34	46.483	18	33.7	13.58	16	33.7	F8 J	12A	352	A -17 258
97		8.8A	22 49.558	0.0021	21	-13 55 1.86	-0.019	15	0.34	49.524	18	33.7	1.54	16	33.7	G0 J	12A	353	A -14 274
98		8.0A	22 50.893	-0.0017	18	-15 15 14.22	-0.005	13	0.31	50.920	18	33.7	14.13	16	33.7	G5 J	12A	354	A -15 263
99		8.8A	22 52.741	0.0003	15	-12 24 16.59	-0.033	17	0.31	52.737	18	33.7	16.06	16	33.7	F2 J	11	300	A -12 254
00		8.5A	22 53.320	-0.0028	18	-11 51 5.67	0.006	20	0.35	53.366	18	33.7	5.77	16	33.7	F0 J	11	301	A -12 255

147800

EPOCH 1950 — ORIGINAL EPOCH — SOURCE — -10° 1H

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.		CAT.	STAR NUMBER	DM NUMBER
1		9.2A	1 23 3.251	0.0026	21	-14 59 57.83	-0.023	15	0.34	3.208	18	33.7	57.46	16	33.7	G5	J	12A	353	A -15 264
2		8.7A	23 5.710	-0.0010	15	-11 14 38.90	0.002	17	0.31	5.735	18	33.7	38.94	16	33.7	K0	J	11	302	A -11 267
3		5.2T	23 9.632	0.0024	03	-14 51 30.18	-0.015	03	0.16	9.534	09	09.1	29.45	09	00.2	G5		GC	1725	B+ -15 266
4		8.4A	23 9.852	-0.0001	21	-13 38 55.71	-0.009	15	0.34	9.854	18	33.7	55.56	16	33.7	K0	J	12A	356	A -14 276
5		9.0A	23 16.904	0.0048	18	-18 49 16.90	0.019	13	0.31	16.825	18	33.7	17.20	16	33.7	G0	J	12B	375	A -19 242
6		8.9A	23 37.219	-0.0004	17	-17 34 9.65	0.002	12	0.29	37.226	18	33.7	9.68	16	33.7	G0	J	12B	376	A -18 229
7		8.3A	23 44.358	0.0050	13	-12 28 27.29	0.005	15	0.29	44.278	18	33.7	27.37	16	33.7	G5	J	11	304	A -12 259
8		8.3B	23 48.761	0.0010	10	-14 9 11.66	0.012	07	0.46	48.736	21	06.4	12.25	19	99.0	F5		GC	1736K	-14 281
9		9.2A	23 59.500	0.0005	17	-16 47 16.48	0.013	13	0.30	59.492	18	33.7	16.69	16	33.7	F8	J	12A	360	A -17 261
10		9.3A	24 4.156	0.0022	18	-17 42 13.49	-0.009	15	0.31	4.120	18	33.7	13.35	16	33.7	K0	J	12B	377	A -18 232
11		9.0A	24 10.320	-0.0015	15	-11 54 25.19	-0.062	17	0.31	10.344	18	33.7	24.18	16	33.7	F8	J	11	305	A -12 280
12		5.7M	24 23.475	0.0009	02	-13 18 57.29	0.010	02	0.07	23.449	04	20.9	57.59	04	19.8	F0		F4	1041	-13 282
13		8.3A	24 25.514	0.0055	18	-19 54 6.50	0.005	13	0.30	25.425	16	33.8	6.56	16	33.8	G5	J	13A	378	A -20 289
14		9.0A	24 25.855	0.0027	13	-11 54 59.66	-0.004	15	0.29	25.810	18	33.7	59.27	16	33.7	M	J	11	307	A -12 281
15		8.7A	24 37.321	-0.0000	16	-16 36 24.11	0.016	15	0.32	37.322	18	33.7	24.36	16	33.7	K0	J	12B	379	A -19 246
16		8.9A	24 53.669	-0.0006	18	-18 37 56.70	0.015	13	0.31	53.680	18	33.7	56.94	16	33.7	F0	J	12B	381	A -19 248
17		9.4A	25 10.967	-0.0018	21	-17 19 55.81	-0.025	15	0.34	10.996	18	33.7	55.40	16	33.7	A2	J	12A	361	A -17 263
18		9.0A	25 14.522	-0.0003	21	-13 49 22.53	-0.006	15	0.34	14.526	18	33.7	22.43	16	33.7	K0	J	12A	362	A -14 284
19		6.2T	25 16.984	0.0119	15	-11 9 38.21	0.022	12	0.71	16.406	19	01.3	39.34	18	99.6	K0		GC	1769K	B+ -11 272
20		8.6A	25 34.976	0.0009	15	-10 17 49.24	0.068	15	0.30	34.961	18	33.7	50.35	16	33.7	G0	J	11	310	A -10 311
21		9.0A	25 38.033	0.0063	21	-16 27 32.32	-0.016	15	0.34	37.946	18	33.7	32.06	16	33.7	K0	J	12A	363	A -16 245
22		7.1T	25 39.720	0.0032	13	-17 51 11.72	0.035	13	0.73	39.556	24	98.9	13.58	21	97.0	F0		GC	1777K	B+ -18 234
23		8.6A	25 46.127	0.0008	18	-18 19 13.87	-0.010	13	0.31	46.114	18	33.7	13.71	16	33.7	A0	J	12B	366	A -18 235
24		6.9T	25 47.784	0.0034	16	-12 30 14.97	-0.005	14	0.75	47.561	19	02.7	14.74	18	01.1	A5		GC	1781	-12 265
25		8.8A	25 57.925	-0.0004	18	-16 9 56.32	-0.020	13	0.31	57.932	18	33.7	55.99	16	33.7	G5	J	12A	365	A -16 247
26		9.2A	26 0.357	-0.0019	15	-10 3 12.16	0.043	15	0.30	0.389	18	33.7	12.86	16	33.7	F8	J	11	312	A -10 315
27		7.7A	26 7.909	-0.0005	15	-11 47 26.37	-0.027	17	0.31	7.918	18	33.7	25.93	16	33.7	F0	J	11	313	A -12 267
28		8.7A	26 16.817	-0.0016	21	-13 53 31.73	-0.066	15	0.34	16.842	18	33.7	30.65	16	33.7	F8	J	12A	366	A -14 285
29		8.9A	26 21.300	-0.0024	13	-13 3 43.60	0.036	15	0.29	21.338	18	33.7	44.19	16	33.7	G5	J	11	314	A -13 267
30		9.0A	26 28.267	0.0039	21	-14 17 27.59	0.021	15	0.34	28.184	18	33.7	27.93	16	33.7	A0	J	12A	367	A -14 286
31		6.7T	26 31.564	0.0039	15	-18 11 44.64	-0.012	13	0.77	31.364	22	98.9	44.01	21	96.8	F5		GC	1797	-18 240
32		9.1A	26 31.713	-0.0002	21	-16 8 15.31	-0.012	15	0.34	31.716	18	33.7	15.12	16	33.7	K0	J	12A	368	A -16 248
33		9.0A	26 44.338	0.0017	15	-11 52 29.83	0.012	15	0.30	44.311	18	33.7	30.03	16	33.7	F5	J	11	315	A -12 268
34		9.2A	26 46.396	0.0019	21	-17 29 28.99	-0.008	15	0.34	46.365	18	33.7	28.86	16	33.7	F0	J	12A	369	A -17 289
35		8.5A	26 49.618	-0.0025	15	-10 32 34.12	-0.013	17	0.31	49.659	18	33.7	33.91	16	33.7	K5	J	11	316	A -11 277
36		9.0A	26 55.991	0.0049	18	-19 58 10.30	-0.023	15	0.31	55.911	16	33.8	9.92	16	33.8	F5	J	13A	390	A -20 274
37		8.9A	26 57.460	0.0008	18	-17 32 45.15	-0.042	13	0.31	57.447	18	33.7	44.47	16	33.7	K0	J	12B	391	A -18 242
38		9.2A	26 59.402	0.0014	21	-15 25 9.80	0.027	15	0.34	59.378	18	33.7	10.24	16	33.7	G5	J	12A	371	A -15 273
39		8.4A	27 3.731	0.0055	21	-16 23 34.06	0.024	15	0.34	3.642	18	33.7	34.45	16	33.7	F5	J	12A	373	A -16 250
40		9.0A	27 4.348	-0.0022	21	-13 24 49.10	0.008	15	0.34	4.383	18	33.7	49.23	16	33.7	F8	J	12A	372	A -13 289
41		7.9A	27 13.219	0.0004	21	-13 28 50.90	-0.078	15	0.34	13.213	18	33.7	49.63	16	33.7	F2	J	12A	374	A -13 270
42		9.1A	27 22.868	0.0078	15	-11 10 11.45	0.086	17	0.31	22.141	18	33.7	12.85	16	33.7	G0	J	11	320	A -11 278
43		8.2A	27 26.347	0.0096	15	-10 49 14.87	-0.113	17	0.31	26.191	18	33.7	13.04	16	33.7	G0	J	11	321	A -11 279
44		7.5A	27 31.824	0.0002	21	-15 59 11.03	-0.019	15	0.34	31.821	18	33.7	10.72	16	33.7	K2	J	12A	375	A -16 253
45		8.6A	27 36.136	0.0019	18	-19 51 35.60	-0.167	15	0.31	36.105	16	33.8	32.57	16	33.8	G5	J	13A	394	A -20 277
46		8.8A	28 3.056	0.0041	21	-14 19 52.76	0.036	15	0.34	2.990	18	33.7	53.34	16	33.7	G5	J	12A	376	A -14 280
47		9.2A	28 3.700	-0.0017	21	-14 40 33.65	0.028	15	0.34	3.728	18	33.7	34.11	16	33.7	K0	J	12A	377	A -15 274
48		8.7A	28 6.854	-0.0012	15	-11 5 56.67	-0.027	17	0.31	6.874	18	33.7	56.23	16	33.7	K0	J	11	322	A -11 283
49		8.6A	28 7.915	0.0010	13	-13 13 59.36	0.012	15	0.29	7.899	18	33.7	59.56	16	33.7	K2	J	11	323	A -13 273
50		8.9A	28 17.403	0.0022	18	-18 25 37.38	0.005	13	0.31	17.368	18	33.7	37.42	16	33.7	K0	J	12A	378	A -14 292
51		8.8A	1 28 29.587	0.0014	18	-17 45 53.49	-0.007	12	0.30	29.565	18	33.7	53.38	16	33.7	K0	J	12B	396	A -18 246
52		8.9A	28 34.568	0.0012	18	-17 48 55.54	-0.018	13	0.31	34.548	18	33.7	55.25	16	33.7	K5	J	12B	397	A -18 247
53		8.1A	28 45.068	0.0006	15	-11 9 15.44	0.038	17	0.31	45.058	18	33.7	16.06	16	33.7	G5	J	11	325	A -11 285
54		8.9A	28 47.821	-0.0004	15	-11 22 32.53	-0.012	17	0.31	47.828	18	33.7	32.34	16	33.7	A3	J	11	326	A -11 286
55		8.2A	28 52.541	0.0111	18	-17 56 35.91	0.062	13	0.31	52.361	18	33.7	36.93	16	33.7	G0	J	12B	400	A -18 248
56		9.5A	28 59.008	-0.0010	17	-11 58 23.26	-0.027	18	0.33	59.004	18	33.7	22.82	16	33.7	G5	J	11	328	A -12 279
57		8.9A	29 6.005	0.0000	21	-16 46 0.69	0.007	15	0.34	6.004	18	33.7	0.80	16	33.7	K2	J	12A	379	A -17 273
58		8.7A	29 7.389	-0.0006	21	-13 56 40.01	-0.176	15	0.34	7.398	18	33.7	37.14	16	33.7	G0	J	12A	380	A -14 294
59		8.3A	29 7.469	0.0021	21	-17 1 40.39	0.012	15	0.34	7.434	18	33.7	40.58	16	33.7	K0	J	12A	381	A -17 274
60		7.1T	29 8.627	0.0014	13	-12 30 54.74	0.008	12	0.64	8.558	19	02.5	55.15	18	01.5	F0		GC	1845	-13 276
61		7.1T	29 9.220	-0.0008	10	-19 16 47.81	-0.051	16	0.71	9.259	24	99.8	45.26	21	00.4	A3		GC	1846K	-19 262
62		7.4A	29 14.251	0.0018	18	-19 17 21.13	-0.017	13	0.31	14.222	18	33.7	20.84	16	33.7	K0	J	12B	403	A -19 263
63		7.5A	29 18.736	-0.0042	17	-10 30 50.39	-0.001	18	0.33	18.804	18	33.7	50.38	16	33.7	A2	J	11	331	A -11 290
64		8.4A	29 30.364	0.0005	18	-17 57 29.87	0.002	13	0.31	30.357	18	33.7	29.91	16	33.7	G0	J	12B	404	A -18 250
65		8.9A	29 33.982	0.0097	15	-11 56 59.50	0.015	17	0.31	33.825	18	33.7	59.74	16	33.7	K0	J	11	332	A -12 281
66		9.3A	29 43.192	-0.0000	21	-17 6 57.80	0.023	15	0.34	43.192	18	33.7	58.17	16	33.7	A0	J	12A	382	A -17 277
67		8.4A	29 44.305	-0.0000	18	-17 47 19.66	0.005	13	0.31	44.305	18	33.7	19.75	16	33.7	F0	J	12B	405	A -18 251
68		8.2A	29 45.668	-0.0008	21	-14 44 56.63	-0.014	15	0.34	45.681	18	33.7	56.40	16	33.7	A0	J	12A	383	A -15 279
69		8.7A	29 51.048	0.0041	18	-18 49 19.79	-0.046	13	0.31	50.982	18	33.7	19.04	16	33.7	G5	J	12B	406	A -19 265
70		8.7A	29 57.089	-0.0031	18	-19 51 49.87	0.010	13	0.30	57.139	16	33.8	50.03	16	33.8	F8	J	13A	408	A -20 285
71		9.0A	30 1.460	0.0026	17	-12 53 28.37	-0.026	18	0.33	1.418	18	33.7	27.94	16	33.7	K2	J	11	335	A -13 280
72		8.3A	30 2.174	-0.0028	15	-10 33 13.47	0.020	17	0.31	2.219	18	33.7	13.79	16	33.7	F0	J	11	334	A -11 291
73		8.6A	30 4.997	0.0041	21	-15 42 25.76	-0.048	15	0.34	4.929	18	33.7	24.97	16	33.7	K2	J	12A	384	A -16 259
74		8.7A	30 6.574	0.0023	15	-13 6 32.99	0.015	17	0.31	6.536	18	33.7	33.23	16	33.7	F8	J	11	336	A -13 281
75		8.0T	30 11.473	-0.0018	11	-19 13 59.86	-0.024	10	0.55	11.560	17	01.2	58.60	17	96.7	K2		GC	1872	-19 266
76		8.3A	30 11.722	0.0018	21	-16 24 18.84	0.012	15	0.34	11.693	18	33.7	19.03	16	33.7	K0	J	12A	385	A -16 260
77		8.8A	30 22.638	0.0008	21	-16 38 38.99	-0.001	15	0.34	22.624	18	33.7	38.96	16	33.7	A0	J	12A	386	A -17 280
78		8.6A	30 28.462	0.0005	18	-17 52 5.24	-0.007	13	0.31	28.453	18	33.7	5.13	16	33.7	K2	J	12B	410	A -18 254
79		7.6A	30 39.859	0.0008	18	-19 24 39.47	-0.018	13	0.30	39.847	16	33.8	39.18	16	33.8	K2	J	13A	412	A -19 269
80		8.4A	30 42.059	-0.0024	18	-19 5 50.48	-0.022	13	0.31	42.099	18	33.7	50.13	16	33.7	K0	J	12B	413	A -19 270
81		8.8A	30 46.964	0.0117	15	-12 57 58.81	0.170	17	0.31	46.774	18	33.7	1.57	16	33.7	G5	J	11	337	A -13 283
82		8.5A	31 14.372	-0.0019	17	-12 28 7.25	0.013	18	0.33	14.403	18	33.7	7.46	16	33.7	G0	J	11	338K	A -12 286
83		9.0A	31 44.584	-0.0006	20	-17 38 27.05	-0.000	15	0.33	44.594	18	33.7	28.05	16	33.7	K0	J	12B	417	A -18 256
84		9.1A	31 45.996	-0.0007	18	-16 25 57.51	0.024	13	0.31	46.006	18	33.7	57.89	16	33.7	G5	J	12A	388	A -16 262
85		9.0A	31 47.465	-0.0009	18	-19 32 44.32	-0.026	13	0.30	47.479	16	33.8	43.89	16	33.8	G0	J	13A	418	A -20 293
86		5.6T	32 11.169	0.0063	04	-15 55 54.75	0.006	04	0.23	10.856	12	00.3	55.05	10	96.5	A2		GC	1903	B+ -16 265
87		9.3A	32 19.350	0.0005	21	-15 11 43.39	-0.004	15	0.34	19.341	18	33.7	43.33	16	33.7	G5	J	12A	390	A -15 282
88		8.6A	32 33.103	0.0094	15	-12 20 25.20	0.008	17	0.31	32.950	18	33.7	25.32	16	33.7	G0	J	11	339	A -12 292
89		9.1A	32 36.453	-0.0019	18	-14 9 6.60	0.015	13	0.31	36.483	18	33.7	6.84	16	33.7	K2	J	12A	391	A -14 298
90		8.8A	32 38.861	0.0008	21	-14 39 37.28	0.013	15	0.34	38.868	18	33.7	37.50	16	33.7	K0	J	12A	392	A -15 283
91		9.2A	32 41.594	0.0038	18	-16 25 26.00	0.025	13	0.31	41.532	18	33.7	26.40	16	33.7	G0	J	12A	393	A -16 266
92		8.6A	32 44.453	0.0006	13	-18 44 49.91	-0.021	11	0.26	44.444	18	33.7	49.57	16	33.7	K2	J	12B	420	A -19 274
93		7.3T	32 58.161	0.0163	09	-13 38 12.91	0.037	08	0.50	57.280	19	96.1	15.01	17	93.0	G0		GC	1926	-14 299
94		9.1A	33 1.208	-0.0004	17	-12 6 32.20	-0.039	18	0.33	1.215	18	33.7	31.56	16	33.7	K0	J	11	341	A -12 293
95		9.1A	33 1.873	-0.0000	21	-17 2 53.56	-0.012	15	0.34	1.873	18	33.7	53.36	16	33.7	F5	J	12A	395K	A -17 284
96		8.9A	33 2.101	-0.0017	18	-17 39 13.91	0.005	13	0.31	2.129	18	33.7	13.99	16	33.7	K2	J	12B	424	A -18 263
97		8.9A	33 7.925	-0.0027	17	-12 11 48.03	-0.027	18	0.33	7.970	18	33.7	47.58	16	33.7	A2	J	11	342	A -12 294
98		8.0A	33 18.790	0.0005	18	-17 33 29.34	-0.026	13	0.31	18.782	18	33.7	28.91	16	33.7	G5	J	12B	425	A -18 265
99		9.1A	33 21.758	0.0007	17	-10 56 56.97	0.015	18	0.33	21.747	18	33.7	57.20	16	33.7	F8	J	11	343	A -11 304
00		7.1T	33 26.822	0.0185	12	-17 47 5.58	-0.208	11	0.67	25.800	17	94.8	53.94	17	94.1	G5		GC	1940	B+ -18 266

147900

EPOCH 1950 — ORIGINAL EPOCH — SOURCE — -10° 1H

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	α_{1950} h m s	μ s	σ_μ ″ .001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″ .001	σ_{1950} ″	α_2 s	σ ″ .01	ep.	δ_2 ″	σ' ″ .01	ep.	SP.	CAT.	STAR NUMBER	DM NUMBER
1		5.5T	1 33 32.584	0.0009	03	-15 39 19.02	-0.020	03	0.17	32.540	06	01.3	19.96	06	02.1	K0	GC	1941	B*-16 270
2		9.1A	33 33.707	0.0033	18	-18 20 3.31	-0.015	13	0.31	33.653	18	33.7	3.57	16	33.7	G0 J	12B	427	A -18 267
3		9.4A	33 42.000	-0.0002	21	-15 55 51.08	-0.017	15	0.34	42.003	18	33.7	50.80	16	33.7	F8 J	12A	399	A -16 272
4		8.5A	33 54.329	-0.0011	21	-16 16 16.95	-0.006	15	0.34	54.347	18	33.7	16.85	16	33.7	G5 J	12A	400	A -16 273
5		8.6A	33 55.696	-0.0001	17	-12 59 13.52	-0.038	18	0.33	55.697	18	33.7	12.90	16	33.7	K0 J	11	344	A -13 294
6		8.6A	34 22.284	-0.0003	21	-14 38 23.69	-0.026	15	0.34	22.289	18	33.7	23.27	16	33.7	A0 J	12A	401	A -15 289
7		9.1A	34 28.515	-0.0004	18	-17 32 6.79	-0.013	13	0.31	28.522	18	33.7	6.58	16	33.7	A2 J	12B	432	A -18 268
8		8.9A	34 38.752	0.0042	21	-15 46 16.08	-0.017	15	0.34	38.683	18	33.7	15.80	16	33.7	K0 J	12A	403	A -16 275
9		9.0A	34 43.049	0.0024	21	-15 50 21.53	0.006	15	0.34	43.010	18	33.7	21.62	16	33.7	F0 J	12A	404	A -16 277
10		9.2A	34 46.649	0.0073	21	-16 31 15.62	-0.035	15	0.34	46.530	18	33.7	15.04	16	33.7	G5 J	12A	405	A -17 292
11		9.1A	34 47.177	-0.0031	15	-18 43 43.69	-0.013	12	0.28	47.228	18	33.7	43.48	16	33.7	F8 J	12B	433	A -19 278
12		8.1A	34 49.537	0.0013	15	-19 37 34.30	-0.013	11	0.26	49.515	16	33.8	34.09	16	33.8	K0 J	13A	434	A -20 298
13		8.4A	34 53.355	0.0004	15	-12 59 33.55	-0.008	17	0.31	53.348	18	33.7	33.41	16	33.7	K5 J	11	345	A -13 296
14		8.3A	34 59.171	0.0033	17	-12 41 43.04	-0.013	18	0.33	59.117	18	33.7	42.82	16	33.7	K0 J	11	347	A -13 297
15		8.5A	34 59.679	-0.0045	17	-10 35 6.03	-0.076	18	0.33	59.752	18	33.7	4.79	16	33.7	G0 J	11	346	A -11 306
16		8.5A	34 59.985	0.0048	17	-16 15 8.49	-0.019	12	0.29	59.906	18	33.7	8.79	16	33.7	G5 J	12A	406	A -16 278
17		8.9A	35 0.849	-0.0013	18	-18 8 54.20	-0.013	13	0.31	0.870	18	33.7	53.99	16	33.7	G5 J	12B	435	A -18 273
18		9.0A	35 8.125	-0.0014	17	-11 4 13.11	-0.017	18	0.33	8.148	18	33.7	13.38	16	33.7	F2 J	11	349	A -11 308
19		9.2A	35 24.200	0.0030	21	-15 11 35.67	-0.007	15	0.34	24.151	18	33.7	35.56	16	33.7	G5 J	12A	407	A -15 291
20		8.0A	35 35.794	-0.0010	20	-10 35 34.42	-0.076	20	0.36	35.809	18	33.7	33.18	16	33.7	K2 J	11	351	A -11 312
21		8.0A	35 59.661	0.0056	21	-16 7 32.09	-0.027	15	0.34	59.570	18	33.7	31.64	16	33.7	K0 J	12A	408	A -16 279
22		8.2A	36 0.759	-0.0018	21	-15 42 58.17	-0.002	15	0.34	0.787	18	33.7	58.13	16	33.7	F0 J	12A	409	A -16 280
23		9.1A	36 2.498	0.0006	18	-17 31 53.96	-0.002	13	0.31	2.488	18	33.7	53.93	16	33.7	K2 J	12B	436	A -18 274
24		8.6A	36 10.276	0.0051	20	-10 56 28.22	-0.019	20	0.36	10.193	18	33.7	27.90	16	33.7	F5 J	11	352	A -11 313
25		9.0A	36 11.281	0.0011	17	-12 53 35.64	-0.003	18	0.33	11.264	18	33.7	35.59	16	33.7	K0 J	11	353	A -13 300
26		8.9A	36 17.418	-0.0000	15	-10 29 5.62	0.001	17	0.31	17.419	18	33.7	5.63	16	33.7	K5 J	11	354	A -10 347
27		9.0A	36 20.891	-0.0021	13	-18 57 0.82	-0.005	11	0.26	20.926	18	33.7	0.74	16	33.7	K2 J	12B	437	A -19 282
28		9.1A	36 31.517	0.0005	17	-10 45 8.38	-0.010	18	0.33	31.510	18	33.7	8.21	16	33.7	F0 J	11	355	A -11 315
29		9.1A	36 35.467	-0.0041	21	-14 10 29.06	-0.063	15	0.34	35.534	18	33.7	28.03	16	33.7	G0 J	12A	411	A -14 311
30		8.7A	36 48.854	0.0054	18	-17 51 8.27	-0.070	13	0.31	48.765	18	33.7	7.13	16	33.7	G0 J	12B	439	A -18 278
31		8.8A	36 50.820	0.0023	21	-16 15 3.13	0.002	15	0.34	50.782	18	33.7	3.15	16	33.7	K0 J	12A	412	A -16 283
32		8.3A	36 52.123	0.0038	18	-12 17 44.32	0.002	20	0.35	52.062	18	33.7	44.35	16	33.7	G5 J	11	356	A -12 304
33		8.6A	36 52.376	-0.0003	17	-19 3 13.47	-0.040	13	0.30	52.380	18	33.7	12.82	16	33.7	K2 J	12B	440	A -19 284
34		9.1A	36 54.031	0.0011	18	-17 30 17.97	0.010	13	0.31	54.013	18	33.7	18.13	16	33.7	F5 J	12A	413	A -17 297
35		7.8A	36 56.194	0.0017	18	-18 2 48.46	-0.004	13	0.31	56.167	18	33.7	48.39	16	33.7	A5 J	12B	441	A -18 279
36		8.7A	36 57.256	0.0044	17	-11 3 29.35	-0.070	18	0.33	57.184	18	33.7	28.21	16	33.7	G5 J	11	357	A -11 317
37		9.0A	37 2.005	0.0038	21	-14 57 34.49	-0.034	15	0.34	1.944	18	33.7	33.95	16	33.7	K0 J	12A	414	A -15 293
38		9.2A	37 6.102	0.0001	21	-13 47 32.33	-0.031	15	0.34	6.100	18	33.7	32.82	16	33.7	K0 J	12A	415	A -14 312
39		9.0A	37 11.284	-0.0037	18	-18 40 0.97	-0.062	13	0.31	11.344	18	33.7	59.96	16	33.7	K0 J	12B	442	A -19 286
40		7.0A	37 21.137	-0.0025	18	-17 48 10.21	-0.069	13	0.31	21.177	18	33.7	9.08	16	33.7	K0 J	12B	443	A -18 280
41		8.4A	37 24.985	0.0160	17	-10 13 35.80	0.085	18	0.33	24.725	18	33.7	37.17	16	33.7	F8 J	11	358	A -10 349
42		9.1A	37 40.408	0.0049	18	-12 23 9.02	-0.021	20	0.35	40.329	18	33.7	8.67	16	33.7	G5 J	11	359	A -12 305
43		8.9A	37 41.523	-0.0024	15	-11 43 31.81	-0.032	15	0.30	41.484	18	33.7	31.28	16	33.7	K0 J	11	360	A -12 306
44		8.8A	37 45.890	-0.0003	17	-12 6 8.04	0.066	18	0.33	45.896	18	33.7	9.11	16	33.7	G5 J	11	361	A -12 307
45		8.6A	37 50.254	0.0049	21	-17 14 30.35	-0.010	15	0.34	50.174	18	33.7	30.18	16	33.7	K0 J	12A	416	A -17 300
46		8.8A	37 53.136	0.0126	17	-10 41 48.12	-0.028	18	0.33	52.931	18	33.7	47.66	16	33.7	G5 J	11	363	A -11 318
47		9.3A	37 54.023	0.0030	17	-11 38 24.38	0.038	18	0.33	53.974	18	33.7	24.99	16	33.7	G5 J	11	364	A -12 308
48		8.9A	37 56.216	-0.0001	17	-11 33 49.17	0.034	18	0.33	56.218	18	33.7	49.71	16	33.7	G5 J	11	365	A -12 309
49		9.3A	38 3.884	-0.0017	18	-17 32 42.69	0.002	13	0.31	3.912	18	33.7	42.72	16	33.7	K0 J	12B	446	A -18 282
50		9.0A	38 7.243	0.0038	18	-19 53 14.20	0.001	00	0.26	7.181	16	33.8	14.21	16	33.8	K7 J	13A	447	A -20 308
51		8.9A	1 38 9.633	0.0114	17	-10 5 3.42	0.110	18	0.33	9.448	18	33.7	5.20	16	33.7	G5 J	11	366	A -10 355
52		8.2A	38 9.907	0.0046	21	-16 32 38.24	-0.131	15	0.34	9.834	18	33.7	36.10	16	33.7	G5 J	12A	418	A -17 301
53		8.7A	38 16.669	0.0078	17	-11 49 18.89	-0.003	18	0.33	16.542	18	33.7	18.83	16	33.7	G0 J	11	367	A -12 311
54		9.1A	38 19.856	-0.0013	15	-12 40 34.38	0.004	17	0.31	19.877	18	33.7	34.44	16	33.7	A0 J	11	368	A -13 306
55		8.6A	38 21.974	-0.0001	15	-13 14 9.20	-0.065	17	0.31	21.975	18	33.7	8.14	16	33.7	G5 J	11	369	A -13 307
56		8.4A	38 22.535	-0.0000	21	-15 8 39.31	-0.021	15	0.34	22.535	18	33.7	38.98	16	33.7	K2 J	12A	419	A -15 297
57		9.0A	38 37.548	-0.0001	18	-19 46 17.06	-0.013	13	0.30	37.549	16	33.8	17.27	16	33.8	F2 J	13A	451	A -20 310
58		8.6A	38 40.185	-0.0012	18	-10 13 14.10	-0.037	20	0.35	40.205	18	33.7	13.49	16	33.7	K0 J	11	370	A -10 357
59		9.0A	38 47.916	0.0008	15	-13 10 12.94	-0.055	15	0.30	47.903	18	33.7	12.04	16	33.7	F2 J	11	372	A -13 309
60		9.0A	39 5.530	0.0016	21	-15 28 57.12	-0.012	15	0.34	5.504	18	33.7	56.93	16	33.7	F2 J	12A	420	A -15 298
61		9.4A	39 7.996	0.0043	21	-14 52 24.89	0.020	15	0.34	7.927	18	33.7	25.22	16	33.7	F5 J	12A	421	A -15 299
62		5.8T	39 16.583	0.0026	06	-11 34 15.53	-0.409	05	0.37	16.433	14	91.8	48.27	14	83.4	F5	GC	2069K	B*-12 315
63		9.1A	39 17.298	-0.0005	18	-17 16 11.94	0.043	13	0.31	17.305	18	33.7	12.63	16	33.7	F8 J	12A	423	A -17 303
64		8.6A	39 34.732	-0.0039	15	-17 25 47.28	-0.089	11	0.27	34.795	18	33.7	45.82	16	33.7	G0 J	12B	456	A -17 304
65		8.5A	39 37.666	-0.0033	15	-12 53 37.59	-0.017	17	0.31	37.612	18	33.7	37.31	16	33.7	F5 J	11	377	A -13 310
66		8.0A	39 38.329	-0.0022	17	-19 26 38.92	-0.029	13	0.29	38.365	16	33.8	38.46	16	33.8	F5 J	13A	457	A -19 292
67		8.6A	39 43.254	0.0035	13	-18 22 41.78	0.020	11	0.26	43.197	18	33.7	42.11	16	33.7	F8 J	12B	458	A -18 286
68		8.6A	39 44.027	0.0073	15	-11 21 16.62	-0.199	15	0.30	43.909	18	33.7	13.38	16	33.7	G0 J	11	378	A -11 323
69		7.4T	39 48.383	0.0365	18	-18 8 25.64	0.064	15	0.82	46.667	21	03.0	28.78	19	00.9	G0	GC	2081	B*-18 287
70		8.0A	40 2.413	-0.0002	13	-12 34 19.76	0.010	15	0.29	2.416	18	33.7	19.92	16	33.7	F5 J	11	379K	A -13 312
71		8.2A	40 7.260	-0.0003	12	-19 36 15.26	-0.044	09	0.23	7.265	16	33.8	14.54	16	33.8	G5 J	13A	460	A -20 316
72		9.0A	40 11.025	0.0048	18	-18 3 28.68	0.009	13	0.31	10.947	18	33.7	28.83	16	33.7	K0 J	12B	461	A -18 288
73		8.9A	40 21.361	-0.0016	15	-12 24 42.22	-0.011	17	0.31	21.387	18	33.7	42.03	16	33.7	G0 J	11	380	A -12 319
74		8.0A	40 34.620	-0.0004	21	-14 44 35.02	0.010	15	0.34	34.626	18	33.7	35.19	16	33.7	K0 J	12A	425	A -15 304
75		9.3A	40 47.156	0.0002	21	-17 4 38.28	-0.034	15	0.34	47.153	18	33.7	37.72	16	33.7	F5 J	12A	426	A -17 306
76		8.4A	40 52.269	-0.0016	17	-11 19 40.47	0.007	18	0.33	52.294	18	33.7	40.58	16	33.7	F5 J	11	381	A -11 329
77		9.0A	40 53.688	0.0018	18	-17 51 27.27	0.001	12	0.30	53.659	18	33.7	27.29	16	33.7	F5 J	12B	464	A -18 291
78		9.1A	40 55.277	0.0019	18	-17 51 20.50	0.016	13	0.31	55.245	18	33.7	20.76	16	33.7	F5 J	12B	466	A -18 292
79		9.0A	40 57.416	0.0018	21	-13 57 1.35	-0.006	15	0.34	57.386	18	33.7	1.25	16	33.7	K2 J	12A	427	A -14 323
80		9.3A	41 2.642	-0.0049	15	-11 39 19.34	0.018	17	0.31	2.721	18	33.7	19.62	16	33.7	G0 J	11	382	A -12 321
81		8.7A	41 4.031	0.0051	15	-11 39 54.08	0.004	17	0.31	3.948	18	33.7	54.14	16	33.7	G0 J	11	383	A -12 321
82		8.4A	41 8.592	0.0059	15	-19 39 18.04	0.024	11	0.26	8.497	16	33.8	18.42	16	33.8	G0 J	13A	467	A -20 324
83		9.0A	41 11.280	0.0057	21	-14 35 5.77	-0.044	15	0.34	11.187	18	33.7	5.06	16	33.7	G5 J	12A	428	A -15 305
84		8.5A	41 28.196	0.0006	21	-13 24 4.27	0.002	15	0.34	28.186	18	33.7	4.30	16	33.7	G5 J	12A	429	A -13 314
85		9.0A	41 41.849	0.0010	21	-14 26 45.76	-0.030	15	0.34	41.832	18	33.7	45.27	16	33.7	K0 J	12A	430	A -14 326
86		3.6H	41 44.660	-0.1194	01	-16 12 0.50	0.858	01	0.06	49.122	02	12.6	32.25	03	13.0	K0	F4	59	-16 295
87		8.4A	41 52.699	0.0002	15	-19 15 37.27	-0.014	11	0.27	52.696	18	33.7	37.04	16	33.7	K5 J	12B	468	A -19 309
88		7.7A	41 57.313	0.0042	15	-11 32 58.11	0.061	17	0.31	57.245	18	33.7	59.09	16	33.7	F8 J	11	385	A -12 322
89		8.8A	42 8.618	-0.0018	17	-12 54 14.85	-0.012	18	0.33	8.647	18	33.7	14.65	16	33.7	F8 J	11	387	A -13 317
90		8.9A	42 11.490	0.0012	17	-11 31 34.00	-0.146	18	0.33	11.471	18	33.7	31.62	16	33.7	G5 J	11	388	A -12 324
91		8.5A	42 11.583	0.0037	17	-11 54 30.05	0.113	18	0.33	11.523	18	33.7	31.88	16	33.7	G5 J	11	389	A -12 323
92		8.6A	42 12.285	-0.0011	18	-11 45 29.53	-0.033	20	0.35	12.303	18	33.7	28.99	16	33.7	K0 J	11	390	A -12 325
93		8.6A	42 12.309	-0.0011	21	-17 4 58.21	-0.026	15	0.34	12.326	18	33.7	57.78	16	33.7	K2 J	12A	432	A -17 309
94		8.8A	42 24.193	-0.0013	21	-14 5 2.64	-0.024	15	0.34	24.213	18	33.7	2.24	16	33.7	K0 J	12A	433	A -14 328
95		8.9A	42 26.577	-0.0082	15	-18 38 59.66	-0.107	11	0.27	26.711	18	33.7	57.92	16	33.7	G5 J	12B	471	A -19 302
96		7.6A	42 42.083	-0.0014	21	-14 48 44.91	-0.026	15	0.34	42.106	18	33.7	44.49	16	33.7	G5 J	12A	434	A -15 307
97		8.4A	42 50.017	0.0179	21	-16 8 36.85	-0.178	15	0.34	49.725	18	33.7	33.95	16	33.7	G0 J	12A	435	A -16 301
98		9.0A	42 54.230	0.0078	15	-12 30 22.60	-0.070	17	0.31	54.104	18	33.7	21.46	16	33.7	G0 J	11	391	A -12 326
99		9.4A	42 54.808	-0.0014	21	-16 43 55.29	-0.099	15	0.34	54.830	18	33.7	53.67	16	33.7	G5 J	12A	436	A -17 310
00		9.1A	43 6.940	0.0007	17	-10 31 46.62	0.010	18	0.33	6.930	18	33.7	46.78	16	33.7	G5 J	11	392	A -11 338

148000

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	EPOCH 1950 μ s	EPOCH 1950 σ_μ ″.001	EPOCH 1950 δ_{1950} ° ′ ″	EPOCH 1950 μ' ″	EPOCH 1950 σ'_μ ″.001	EPOCH 1950 σ_{1950} ″	ORIGINAL EPOCH α_2 s	ORIGINAL EPOCH σ ″.01	ORIGINAL EPOCH ep.	ORIGINAL EPOCH δ_2 ″	ORIGINAL EPOCH σ' ″.01	ORIGINAL EPOCH ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	-10° 1H DM NUMBER
1		9.0A	1 43 8.030	-0.0004	21	-15 25 46.59	-0.007	15	0.34	8.037	18	33.7	46.47	16	33.7	K0 J	12A	437	A -15 309
2		9.0A	43 22.491	0.0003	21	-11 34 31.65	-0.225	22	0.39	22.356	18	33.7	27.99	16	33.7	K5 J	11	394	A -12 327
3		9.0A	43 47.512	0.0035	18	-17 41 54.02	0.012	13	0.31	47.454	18	33.7	54.22	16	33.7	K0 J	12B	474	A -18 303
4		9.3A	43 58.972	-0.0003	21	-14 22 17.75	-0.054	15	0.34	58.967	18	33.7	16.87	16	33.7	F5 J	12A	438	A -14 332
5		7.9A	44 1.046	-0.0009	21	-13 45 4.00	-0.002	15	0.34	1.061	18	33.7	3.96	16	33.7	G5 J	12A	439	A -14 333
6		9.5A	44 2.486	0.0009	18	-16 33 11.55	-0.027	13	0.31	2.470	18	33.7	11.10	16	33.7	F8 J	12A	440	A -17 315
7		7.8A	44 2.936	-0.0019	15	-10 50 50.83	-0.009	17	0.31	2.968	18	33.7	50.68	16	33.7	G5 J	11	385	A -11 341
8		6.8T	44 31.949	0.0022	11	-14 8 17.70	0.006	10	0.42	31.882	09	11.1	17.82	09	12.1	B9	GC	2172	A -14 335
9		9.3A	44 46.374	0.0011	15	-10 3 44.08	-0.026	17	0.31	46.357	18	33.7	43.65	16	33.7	G5 J	11	397	A -10 377
10		9.4A	44 48.283	-0.0012	17	-17 54 55.73	-0.026	12	0.29	48.303	18	33.7	55.31	16	33.7	K0 J	12B	479	A -18 305
11		7.3T	44 51.535	-0.0005	13	-17 43 58.48	-0.027	13	0.62	51.556	21	06.4	57.27	21	05.2	A2	GC	2177	-18 306
12		7.3A	45 13.625	0.0013	17	-17 28 1.62	0.006	12	0.29	13.604	18	33.7	1.71	16	33.7	K5 J	12B	477	A -17 319
13		8.6A	45 16.341	-0.0010	21	-13 26 47.45	-0.043	15	0.34	16.357	18	33.7	46.74	16	33.7	F5 J	12A	443	A -13 322
14		8.8A	45 16.550	-0.0004	15	-11 14 0.98	-0.003	17	0.31	16.556	18	33.7	0.92	16	33.7	K2 J	11	398	A -11 346
15		8.9A	45 26.242	0.0017	18	-18 24 33.87	0.011	13	0.31	26.215	18	33.7	34.05	16	33.7	G0 J	12B	479	A -18 307
16		8.8A	45 30.452	0.0016	21	-14 55 18.58	-0.041	15	0.34	30.425	18	33.7	17.92	16	33.7	K2 J	12A	444	A -15 318
17		9.2A	45 36.076	0.0039	21	-14 27 4.57	-0.014	15	0.34	36.013	18	33.7	4.33	16	33.7	K0 J	12A	445	A -14 336
18		8.9A	46 0.261	0.0010	18	-18 55 49.16	-0.016	13	0.31	0.245	18	33.7	48.90	16	33.7	A5 J	12B	480	A -19 316
19		9.1A	46 2.630	0.0066	15	-12 2 38.57	0.043	17	0.31	2.584	18	33.7	39.26	16	33.7	G5 J	11	402	A -12 335
20		7.4A	46 11.049	-0.0004	21	-15 0 48.81	-0.019	15	0.34	11.056	18	33.7	48.51	16	33.7	K0 J	12A	446	A -15 321
21		9.4A	46 12.039	0.0095	21	-15 4 42.42	-0.053	15	0.34	11.884	18	33.7	41.55	16	33.7	G5 J	12A	447	A -15 322
22		8.9A	46 17.537	0.0034	13	-11 4 52.46	0.002	15	0.29	17.481	18	33.7	52.49	16	33.7	K0 J	11	403	A -11 348
23		9.1A	46 21.035	0.0113	21	-15 43 18.13	0.088	15	0.34	20.851	18	33.7	19.55	16	33.7	G5 J	12A	448	A -16 308
24		9.2A	46 21.542	-0.0004	18	-17 9 17.71	0.006	13	0.31	21.548	18	33.7	17.80	16	33.7	K0 J	12A	449	A -17 322
25		9.0A	46 23.747	-0.0006	15	-11 7 23.53	0.020	15	0.30	23.756	18	33.7	23.85	16	33.7	K5 J	11	404	A -11 349
26		8.4A	46 27.197	0.0034	13	-18 37 35.02	0.059	11	0.26	27.141	18	33.7	35.98	16	33.7	G5 J	12B	482K	A -19 317
27		9.2A	46 32.114	0.0048	21	-15 40 31.34	-0.053	15	0.34	32.037	18	33.7	30.47	16	33.7	G0 J	12A	450	A -16 309
28		8.9A	46 37.542	-0.0031	15	-18 0 43.48	-0.071	11	0.27	37.592	18	33.7	42.33	16	33.7	G0 J	12B	484	A -18 308
29		8.7A	46 39.772	0.0038	21	-15 49 47.32	-0.014	15	0.34	39.710	18	33.7	47.29	16	33.7	F2 J	12A	451	A -16 310
30		8.3A	46 41.775	0.0046	18	-18 43 31.82	-0.004	13	0.31	41.701	18	33.7	31.76	16	33.7	F0 J	12B	485	A -19 318
31		8.5A	46 44.715	0.0030	15	-18 14 32.32	0.011	11	0.27	44.666	18	33.7	32.50	16	33.7	F5 J	12B	486	A -18 310
32		9.2A	46 51.365	-0.0070	18	-16 54 38.54	-0.033	13	0.31	51.478	18	33.7	38.00	16	33.7	G0 J	12A	452	A -17 324
33		6.8T	46 55.920	-0.0098	05	-10 57 0.99	-0.090	05	0.27	56.376	12	03.6	56.47	12	00.0	G0	GC	2210	B#-11 351
34		9.4A	46 58.705	0.0019	21	-15 53 59.53	0.013	15	0.34	58.674	18	33.7	59.54	16	33.7	G5 J	12A	453	A -16 312
35		8.8A	47 6.104	0.0024	18	-19 15 41.25	-0.023	15	0.32	6.065	18	33.7	40.88	16	33.7	G0 J	12B	487	A -19 320
36		4.8H	47 7.649	-0.0103	01	-10 55 58.88	-0.091	01	0.06	8.007	03	15.4	55.83	03	16.6	F0	F4	1051	-11 352
37		9.2A	47 10.216	0.0030	18	-15 20 27.38	-0.007	13	0.31	10.167	18	33.7	27.26	16	33.7	G0 J	12A	454	A -15 324
38		8.1A	47 14.075	0.0059	21	-14 28 46.77	-0.065	15	0.34	13.979	18	33.7	45.70	16	33.7	F5 J	12A	455K	A -14 337
39		7.9A	47 15.336	-0.0031	15	-10 37 17.34	-0.019	17	0.31	15.388	18	33.7	17.02	16	33.7	F5 J	11	407K	A -11 353
40		8.9A	47 18.064	-0.0002	15	-12 9 12.69	0.006	17	0.31	18.067	18	33.7	12.78	16	33.7	K7 J	11	408	A -12 340
41		8.6A	47 19.615	0.0061	20	-19 11 2.81	0.027	15	0.33	19.516	18	33.7	3.25	16	33.7	G0 J	12B	488	A -19 321
42		9.2A	47 27.856	0.0039	18	-17 1 12.22	0.034	13	0.31	27.794	18	33.7	12.76	16	33.7	G5 J	12A	456	A -17 327
43		8.6A	47 28.492	0.0006	18	-19 27 12.90	-0.034	13	0.30	28.482	16	33.8	12.35	16	33.8	G5 J	13A	490	A -19 323
44		8.7A	47 31.200	0.0013	15	-19 33 17.61	0.011	11	0.26	31.180	16	33.8	17.78	16	33.8	K5 J	13A	491	A -20 347
45		8.8A	47 36.718	0.0063	21	-16 1 3.16	0.047	15	0.34	36.616	18	33.7	3.92	16	33.7	K0 J	12A	457	A -16 314
46		8.4A	47 38.182	0.0007	21	-13 57 6.89	-0.007	15	0.34	38.171	18	33.7	6.77	16	33.7	G5 J	12A	458	A -14 339
47		9.0A	47 38.942	0.0014	15	-17 44 45.58	-0.013	11	0.27	38.920	18	33.7	43.37	16	33.7	K5 J	12B	492	A -18 313
48		8.2A	47 40.902	0.0004	13	-12 55 36.92	-0.013	15	0.29	40.895	18	33.7	36.70	16	33.7	K0 J	11	409	A -13 332
49		7.0T	47 49.102	0.0003	09	-13 8 9.91	-0.006	08	0.49	49.088	15	98.3	3.37	15	96.4	M0	GC	2224	-13 334
50		8.5A	47 59.413	0.0016	17	-12 22 55.43	0.003	18	0.33	59.386	18	33.7	55.47	16	33.7	F5 J	11	411	A -12 343
51		9.4A	1 48 0.463	0.0009	21	-16 21 34.78	-0.007	15	0.34	0.448	18	33.7	34.66	16	33.7	F2 J	12A	459	A -16 316
52		7.9A	48 1.806	0.0018	15	-12 35 23.03	0.012	17	0.31	1.775	18	33.7	23.22	16	33.7	F5 J	11	412	A -13 335
53		9.0A	48 2.531	0.0025	21	-16 26 27.47	-0.045	15	0.34	2.489	18	33.7	26.73	16	33.7	K2 J	12A	460	A -16 317
54		9.0A	48 22.263	-0.0023	13	-17 35 29.32	-0.003	09	0.25	22.301	18	33.7	29.27	16	33.7	G5 J	12B	497	A -18 317
55		9.0A	48 43.937	-0.0003	21	-14 38 32.16	0.006	15	0.34	43.942	18	33.7	32.26	16	33.7	A0 J	12A	462	A -15 326
56		8.8A	48 55.039	0.0001	17	-10 45 1.35	-0.001	18	0.33	55.037	18	33.7	1.33	16	33.7	G0 J	11	413	A -11 358
57		9.0A	48 56.344	0.0007	21	-13 41 19.22	-0.004	15	0.34	56.333	18	33.7	19.15	16	33.7	K5 J	12A	463	A -14 342
58		8.9A	48 59.365	-0.0003	18	-16 9 49.85	0.036	13	0.31	59.370	18	33.7	50.43	16	33.7	F5 J	12A	464	A -16 319
59		3.9H	48 59.447	0.0024	01	-10 34 52.90	-0.036	01	0.05	59.359	02	13.1	51.60	02	14.0	K0	F4	62	-11 359
60		8.5A	49 0.832	0.0009	21	-13 54 14.54	0.023	15	0.34	0.818	18	33.7	14.91	16	33.7	K0 J	12A	465	A -14 343
61		8.6A	49 3.113	-0.0011	21	-15 42 6.92	0.002	15	0.34	3.130	18	33.7	6.94	16	33.7	K5 J	12A	466	A -16 320
62		8.6A	49 3.930	0.0051	18	-16 59 9.74	-0.060	13	0.31	3.847	18	33.7	8.76	16	33.7	F5 J	12A	467	A -17 330
63		8.8A	49 5.695	0.0021	18	-19 31 14.94	-0.020	13	0.30	5.861	16	33.8	14.61	16	33.8	A0 J	13A	498	A -19 326
64		8.8A	49 6.295	0.0002	21	-17 14 9.78	-0.005	15	0.34	6.292	18	33.7	9.69	16	33.7	K5 J	12A	468	A -17 331
65		8.7A	49 12.952	-0.0030	21	-15 25 59.55	-0.075	15	0.34	13.001	18	33.7	58.34	16	33.7	F2 J	12A	470	A -15 328
66		7.1T	49 13.659	-0.0018	20	-13 28 48.13	0.037	18	0.90	13.741	26	05.3	49.85	24	03.0	K0	GC	2255	-13 337
67		8.4A	49 15.496	0.0091	21	-16 33 53.87	-0.333	15	0.34	15.349	18	33.7	28.46	16	33.7	F8 J	12A	471	A -17 332
68		9.1A	49 16.785	-0.0018	18	-10 2 5.72	-0.089	20	0.35	16.814	18	33.7	4.27	16	33.7	K5 J	11	417	A -10 389
69		6.6T	49 20.961	-0.0007	11	-15 53 39.28	-0.000	10	0.64	21.002	19	92.1	39.28	18	91.5	M0	GC	2257	-16 322
70		8.4A	49 25.210	0.0011	20	-12 34 42.72	-0.016	20	0.36	25.193	18	33.7	42.45	16	33.7	A5 J	11	418	A -13 338
71		9.1A	49 41.447	0.0047	21	-14 19 27.25	0.003	15	0.34	41.370	18	33.7	27.29	16	33.7	K2 J	12A	473	A -14 346
72		8.8A	49 49.547	0.0007	18	-12 2 33.07	-0.012	20	0.35	49.536	18	33.7	32.87	16	33.7	K7 J	11	421	A -12 346
73		8.9A	49 49.842	-0.0017	21	-15 11 52.36	0.007	15	0.34	49.870	18	33.7	52.50	16	33.7	K0 J	12A	474	A -15 331
74		9.2A	49 57.405	-0.0022	21	-14 38 33.52	-0.024	15	0.34	57.440	18	33.7	33.12	16	33.7	G0 J	12A	475	A -15 332
75		8.8A	50 4.173	-0.0031	17	-10 42 26.33	-0.002	17	0.32	4.223	18	33.7	26.29	16	33.7	M0 J	11	422	A -11 361
76		8.8A	50 6.772	-0.0080	21	-14 47 16.00	-0.028	15	0.34	6.808	18	33.7	15.55	16	33.7	K0 J	12A	477	A -15 334
77		7.0B	50 15.720	0.0018	28	-12 58 31.16	-0.089	26	1.24	15.641	22	05.4	27.98	21	04.2	K0	GC	2273	-13 340
78		5.7T	50 27.785	0.0026	09	-17 10 28.39	-0.045	08	0.37	27.680	12	09.4	26.37	12	05.4	A3	GC	2283	-17 336
79		7.4A	50 27.851	0.0025	18	-19 45 6.70	-0.112	13	0.30	27.810	16	33.8	4.88	16	33.8	G0 J	13A	502	A -20 358
80		8.9A	50 35.290	0.0023	17	-12 36 58.62	0.041	18	0.33	35.253	18	33.7	59.48	16	33.7	F0 J	11	424	A -13 342
81		7.8A	50 36.615	-0.0007	21	-16 44 5.25	0.016	15	0.34	36.626	18	33.7	5.50	16	33.7	K0 J	12A	479	A -17 338
82		8.4A	50 40.076	0.0057	21	-14 42 21.21	0.005	15	0.34	39.983	18	33.7	21.30	16	33.7	G5 J	12A	480	A -15 336
83		8.9A	50 44.698	-0.0016	15	-17 38 11.48	-0.131	11	0.27	44.724	18	33.7	9.35	16	33.7	G0 J	12B	504	A -18 322
84		8.8A	50 49.414	-0.0015	18	-15 25 42.61	0.018	13	0.31	49.439	18	33.7	42.91	16	33.7	A5 J	12A	483	A -15 337
85		8.7A	51 9.080	0.0012	15	-12 41 40.05	-0.081	17	0.31	9.070	18	33.7	38.72	16	33.7	K0 J	11	425	A -13 346
86		8.1A	51 10.625	-0.0044	15	-10 39 39.15	-0.031	17	0.31	10.695	18	33.7	38.64	16	33.7	K0 J	11	426	A -11 364
87		9.2A	51 14.170	0.0053	21	-13 29 37.15	-0.186	15	0.34	14.083	18	33.7	34.12	16	33.7	G5 J	12A	484	A -13 347
88		8.6A	51 20.598	0.0090	18	-15 13 20.51	0.022	13	0.31	20.451	18	33.7	20.86	16	33.7	K2 J	12A	485	A -15 339
89		8.8A	51 32.095	0.0095	17	-19 14 28.48	0.086	12	0.29	31.941	18	33.7	29.88	16	33.7	G0 J	12B	506	A -19 332
90		8.6A	51 36.930	0.0000	21	-16 13 58.59	0.004	15	0.34	36.929	18	33.7	58.65	16	33.7	G0 J	12A	487	A -16 327
91		9.2A	51 38.527	0.0006	20	-18 19 48.11	0.021	15	0.33	38.517	18	33.7	48.45	16	33.7	F5 J	12B	507	A -18 327
92		9.2A	51 41.959	0.0009	18	-17 17 13.12	0.011	13	0.31	41.944	18	33.7	13.29	16	33.7	G5 J	12B	508	A -17 342
93		7.9A	51 47.705	-0.0025	15	-11 52 23.84	-0.022	17	0.31	47.747	18	33.7	23.47	16	33.7	K0 J	11	428	A -12 349
94		9.0A	51 50.967	0.0019	18	-15 3 23.17	-0.078	13	0.31	50.937	18	33.7	21.89	16	33.7	F8 J	12A	489	A -15 342
95		8.5A	51 53.594	0.0050	15	-12 5 48.62	0.051	17	0.31	53.513	18	33.7	49.44	16	33.7	K0 J	11	429	A -12 350
96		8.6A	51 56.346	0.0200	15	-15 58 2.13	-0.136	13	0.29	56.021	18	33.7	59.91	16	33.7	G5 J	12A	490	A -16 328
97		9.2A	51 57.566	-0.0012	18	-15 57 36.25	0.021	13	0.31	57.585	18	33.7	38.58	16	33.7	G	12A	491	A -16 329
98		8.4A	51 59.884	-0.0005	15	-11 16 25.73	0.017	17	0.31	59.892	18	33.7	26.00	16	33.7	K0 J	11	430	A -11 367
99		9.2A	52 10.696	0.0011	21	-13 55 14.14	-0.017	15	0.34	10.678	18	33.7	13.86	16	33.7	A5 J	12A	492	A -14 355
00		8.4A	52 11.707	0.0042	21	-14 9 33.32	0.011	15	0.34	11.639	18	33.7	33.49	16	33.7	F5 J	12A	493	A -14 356

148100

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ s	σ_μ .001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ .001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ .01	ep.	δ_2 ″	σ' .01	ep.	SP.	SOURCE CAT.	STAR NUMBER	-10° 1H DM NUMBER
1		8.3A	1 52 26.867	-0.0016	15	-11 45 22.43	0.001	17	0.31	26.893	18	33.7	22.44	16	33.7	G5 J	11	431	A -12 352
2		8.9A	52 40.706	-0.0071	15	-10 59 27.80	0.029	17	0.31	40.590	18	33.7	28.26	16	33.7	F2 J	11	432	A -11 370
3		8.5A	52 44.617	-0.0013	21	-15 34 41.79	0.019	15	0.34	44.639	18	33.7	42.09	16	33.7	K0 J	12A	494	A -16 331
4		8.4A	52 44.689	-0.0004	15	-10 4 21.29	-0.015	17	0.31	44.695	18	33.7	21.04	16	33.7	G5 J	11	433	A -10 399
5		9.1A	52 49.346	-0.0005	21	-15 46 44.64	0.015	15	0.34	49.354	18	33.7	44.88	16	33.7	F8 J	12A	495	A -16 332
6		8.7A	52 53.057	0.0049	18	-14 21 1.58	0.027	13	0.31	52.978	18	33.7	2.01	16	33.7	F8 J	12A	496	A -14 358
7		9.1A	52 57.121	-0.0016	18	-19 31 9.31	-0.063	13	0.30	57.147	16	33.8	8.29	16	33.8	F2 J	13A	509	A -19 336
8		8.7A	53 4.130	-0.0031	15	-12 54 6.38	-0.098	17	0.31	4.180	18	33.7	4.78	16	33.7	G0 J	11	434	A -13 350
9		8.7A	53 7.129	0.0010	15	-12 41 19.85	-0.025	15	0.30	7.113	18	33.7	19.43	16	33.7	F5 J	11	435	A -13 351
10		9.0A	53 14.528	0.0032	18	-19 7 18.42	-0.033	13	0.31	14.476	18	33.7	17.89	16	33.7	K0 J	12B	512	A -19 338
11		9.0A	53 26.792	0.0021	15	-17 22 41.44	0.013	11	0.27	26.759	18	33.7	41.64	16	33.7	K5 J	12B	513	A -17 348
12		8.8A	53 29.918	0.0002	18	-17 27 8.97	-0.049	13	0.31	29.915	18	33.7	8.16	16	33.7	F5 J	12B	515	A -17 349
13		9.1A	53 36.212	0.0016	21	-17 12 11.30	-0.009	15	0.34	36.185	18	33.7	11.15	16	33.7	G5 J	12A	499	A -17 351
14		9.0A	53 37.681	-0.0003	17	-12 16 57.23	0.022	18	0.33	37.687	18	33.7	57.58	16	33.7	F5 J	11	436	A -12 355
15		9.5A	53 43.618	0.0009	18	-17 5 14.70	0.008	13	0.31	43.603	18	33.7	14.82	16	33.7	F8 J	12A	500	A -17 352
16		8.8A	53 46.633	0.0013	18	-16 0 36.34	0.015	13	0.31	46.612	18	33.7	36.58	16	33.7	K5 J	12A	501	A -16 337
17		8.4A	53 51.858	-0.0006	18	-18 51 42.00	-0.002	15	0.32	51.869	18	33.7	41.97	16	33.7	F2 J	12B	518	A -19 341
18		8.9A	53 52.479	0.0012	18	-17 51 3.17	0.017	15	0.32	52.458	18	33.7	3.45	16	33.7	K7 J	12B	517	A -18 332
19		9.3A	54 11.634	0.0153	21	-14 25 20.03	0.231	15	0.34	11.386	18	33.7	23.78	16	33.7	G0 J	12A	502	A -14 363
20		8.7A	54 24.497	0.0020	15	-18 14 54.27	-0.002	11	0.27	24.464	18	33.7	54.24	16	33.7	G J	12B	519	A -18 333
21		8.7A	54 30.126	-0.0094	13	-12 27 58.02	-0.071	15	0.29	29.974	18	33.7	59.16	16	33.7	G0 J	11	437	A -12 358
22		9.3A	54 37.127	-0.0009	21	-14 22 50.24	-0.030	15	0.34	37.142	18	33.7	49.75	16	33.7	F2 J	12A	503	A -14 364
23		6.5T	54 42.968	-0.0257	09	-10 28 57.11	-0.228	08	0.46	44.269	14	99.4	45.30	12	98.3	G5	GC	2351	-10 403
24		8.0A	54 51.234	0.0017	21	-16 40 2.68	-0.007	15	0.34	51.207	18	33.7	2.56	16	33.7	K5 J	12A	504	A -17 357
25		7.6A	54 52.695	0.0039	17	-17 55 13.39	0.004	12	0.29	52.631	18	33.7	13.45	16	33.7	K5 J	12B	520	A -18 336
26		8.9A	55 1.835	0.0003	15	-11 25 34.97	-0.013	17	0.31	1.830	18	33.7	34.75	16	33.7	F8 J	11	439	A -11 378
27		8.6A	55 13.481	-0.0035	18	-17 57 54.40	-0.000	13	0.31	13.538	18	33.7	54.40	16	33.7	F5 J	12B	521	A -18 338
28		7.6A	55 21.610	-0.0011	21	-16 22 30.40	-0.007	15	0.34	21.627	18	33.7	30.28	16	33.7	K5 J	12A	505	A -16 340
29		9.0A	55 34.593	-0.0018	21	-14 31 39.37	0.005	15	0.34	34.622	18	33.7	39.44	16	33.7	K0 J	12A	506	A -14 366
30		8.2A	55 39.410	-0.0022	18	-15 0 55.14	0.028	13	0.31	39.446	18	33.7	55.60	16	33.7	G0 J	12A	507	A -15 352
31		9.0A	55 42.380	-0.0012	13	-10 41 16.45	0.004	15	0.29	42.399	18	33.7	16.51	16	33.7	F0 J	11	441	A -11 379
32		8.5A	55 47.596	-0.0001	17	-10 56 14.16	0.045	18	0.33	47.597	18	33.7	14.88	16	33.7	G5 J	11	442	A -11 380
33		9.0A	55 55.384	0.0049	18	-10 42 31.61	0.001	20	0.35	55.303	18	33.7	31.62	16	33.7		11	443	A -11 381
34		9.2A	55 57.008	0.0001	15	-17 47 50.98	-0.027	11	0.27	57.006	18	33.7	50.54	16	33.7	K0 J	12B	524	A -18 342
35		9.4A	55 57.189	-0.0015	21	-14 16 25.34	-0.030	15	0.34	57.284	18	33.7	24.84	16	33.7	F8 J	12A	508	A -14 368
36		8.3A	56 4.465	0.0056	17	-12 17 1.38	-0.041	18	0.33	4.374	18	33.7	0.70	16	33.7	K0 J	11	444	A -12 365
37		8.8A	56 4.644	0.0118	18	-15 39 56.59	-0.076	13	0.31	4.452	18	33.7	55.35	16	33.7	G5 J	12A	509	A -16 341
38		8.5A	56 6.027	-0.0064	17	-11 36 38.07	-0.112	18	0.33	6.131	18	33.7	36.24	16	33.7	G5 J	11	445	A -12 366
39		6.6T	56 18.612	0.0045	13	-11 32 32.51	-0.086	11	0.63	18.403	18	03.3	28.12	18	99.2	G5	GC	2386	-12 367
40		8.3A	56 40.326	-0.0014	18	-18 18 9.90	-0.002	13	0.31	40.348	18	33.7	9.87	16	33.7	K0 J	12B	527	A -18 345
41		8.5A	56 40.668	0.0058	18	-10 25 38.79	-0.079	20	0.35	40.574	18	33.7	37.50	16	33.7	G0 J	11	447	A -10 412
42		7.4T	56 48.704	-0.0010	18	-15 21 50.42	-0.010	16	0.77	48.746	22	07.8	49.99	19	05.1	G5	GC	2397	-15 354
43		8.3A	56 50.969	0.0044	17	-12 8 22.28	-0.004	18	0.33	50.897	18	33.7	22.21	16	33.7	A2 J	11	449	A -12 368
44		7.1T	57 5.365	0.0014	15	-14 6 53.63	0.008	12	0.71	5.296	24	01.8	54.04	21	97.1	M0	GC	2403	-14 371
45		9.3A	57 16.935	0.0012	18	-15 34 30.72	-0.027	13	0.31	16.915	18	33.7	30.28	16	33.7	G0 J	12A	512	A -16 342
46		8.6A	57 29.425	0.0028	18	-13 13 9.44	0.023	20	0.35	29.380	18	33.7	9.81	16	33.7	K0 J	11	452	A -13 361
47		8.0A	57 39.454	0.0025	21	-13 47 15.62	-0.011	15	0.34	39.413	18	33.7	15.43	16	33.7	G0 J	12A	514	A -14 373
48		9.2A	57 49.205	-0.0002	18	-18 26 58.19	-0.018	13	0.31	49.208	18	33.7	57.90	16	33.7	A7 J	12B	530	A -18 349
49		9.2A	57 52.603	0.0032	21	-16 35 15.23	0.023	15	0.34	52.552	18	33.7	15.60	16	33.7	A J	12A	515	A -17 366
50		8.5A	58 20.179	0.0005	18	-13 12 56.48	0.022	20	0.35	20.170	18	33.7	56.83	16	33.7	A3 J	11	454	A -13 363
51		8.6A	1 58 21.957	0.0148	18	-13 7 5.52	0.097	20	0.35	21.717	18	33.7	7.09	16	33.7	G5 J	11	455	A -13 364
52		9.1A	58 29.642	-0.0006	15	-18 40 2.55	-0.048	11	0.27	29.651	18	33.7	1.77	16	33.7	G5 J	12B	532	A -19 362
53		7.5A	58 38.071	0.0048	15	-11 17 29.41	0.078	17	0.31	37.992	18	33.7	30.67	16	33.7	F8 J	11	457	A -11 386
54		8.9A	58 40.088	0.0024	17	-18 22 40.90	0.010	12	0.29	40.048	18	33.7	41.06	16	33.7	G0 J	12B	533	A -18 350
55		9.2A	59 13.764	0.0026	21	-16 28 11.62	0.009	15	0.34	13.721	18	33.7	11.76	16	33.7	G0 J	12A	516	A -16 352
56		8.2A	59 21.655	0.0038	18	-12 14 57.08	0.011	20	0.35	21.594	18	33.7	57.25	16	33.7	F5 J	11	458	A -12 372
57		8.8A	59 23.090	-0.0076	15	-10 0 2.28	-0.104	15	0.30	23.214	18	33.7	0.58	16	33.7	G5 J	11	459	A -10 421
58		8.8A	59 25.836	0.0040	18	-13 15 18.89	-0.004	20	0.35	25.772	18	33.7	18.82	16	33.7	A3 J	11	460	A -13 367
59		7.8A	59 27.342	-0.0008	17	-12 3 44.09	0.033	18	0.33	27.355	18	33.7	44.62	16	33.7	F5 J	11	461	A -12 373
60		9.2A	59 28.734	0.0020	21	-14 15 17.76	-0.058	15	0.34	28.701	18	33.7	16.81	16	33.7	F5 J	12A	518	A -14 378
61		7.8T	59 32.884	0.0021	13	-16 48 34.57	-0.009	10	0.60	32.789	22	04.6	34.11	21	00.6	K2	GC	2454	-17 371
62		9.2A	59 47.184	0.0009	18	-16 48 28.86	0.021	13	0.31	47.169	18	33.7	29.19	16	33.7	G0 J	12A	520	A -17 373
63		9.2A	59 48.523	-0.0027	20	-16 34 19.69	0.006	11	0.31	48.566	18	33.7	19.78	16	33.7	K0 J	12A	521	A -17 375
64		8.9A	59 56.343	0.0007	15	-19 8 19.82	-0.008	11	0.27	56.332	18	33.7	19.69	16	33.7	G0 J	12B	537	A -19 364
65		8.5A	2 0 8.122	-0.0003	21	-13 22 54.62	-0.023	15	0.34	8.127	18	33.7	54.24	16	33.7	K2 J	12A	522	A -13 369
66		9.2A	0 9.145	0.0004	21	-15 51 13.94	0.005	15	0.34	9.138	18	33.7	14.01	16	33.7	G5 J	12A	523	A -16 355
67		9.3A	0 30.049	0.0128	21	-14 42 0.95	-0.005	15	0.34	29.840	18	33.7	0.86	16	33.7	G5 J	12A	524	A -15 358
68		9.2A	0 31.499	-0.0007	18	-19 52 22.19	0.013	13	0.30	31.511	16	33.8	22.40	16	33.8	G0 J	13A	540	A -20 388
69		9.4A	0 33.441	0.0013	18	-16 33 34.45	0.031	11	0.30	33.419	18	33.7	34.94	16	33.7	G0 J	12A	526	A -17 378
70		5.9T	0 34.031	0.0012	09	-15 32 46.52	0.005	08	0.49	33.966	15	95.6	46.78	14	93.6	G5	GC	2471	-16 356
71		9.3A	0 52.258	0.0003	18	-15 29 32.19	0.008	13	0.31	52.254	18	33.7	32.33	16	33.7	K2 J	12A	527	A -15 360
72		8.8A	0 55.835	0.0003	18	-18 0 20.89	-0.019	13	0.31	55.829	18	33.7	20.58	16	33.7	K0 J	12B	543	A -18 355
73		8.2A	1 1.986	0.0063	18	-17 16 22.73	0.035	13	0.31	1.884	18	33.7	23.29	16	33.7	A5 J	12A	528	A -17 381
74		9.0A	1 9.626	0.0083	21	-15 43 3.32	0.216	15	0.34	9.490	18	33.7	6.82	16	33.7	G5 J	12A	529	A -16 358
75		9.3A	1 12.612	0.0045	21	-16 13 2.84	-0.049	15	0.34	12.538	18	33.7	2.04	16	33.7	F8 J	12A	530	A -16 359
76		8.5A	1 15.751	0.0070	18	-18 51 36.78	-0.129	13	0.31	15.637	18	33.7	34.69	16	33.7	A0 J	12B	544	A -19 369
77		9.1A	1 26.464	-0.0011	21	-14 42 4.31	-0.060	15	0.34	26.481	18	33.7	3.34	16	33.7	G0 J	12A	531	A -15 363
78		7.3T	1 31.003	0.0002	12	-17 45 10.94	-0.015	10	0.43	30.995	09	11.1	10.36	09	11.9	K5	GC	2496	-18 356
79		8.4A	1 40.709	0.0001	15	-12 32 43.01	-0.029	17	0.31	40.708	18	33.7	42.53	16	33.7	F0 J	11	466	A -12 381
80		6.7T	1 45.765	0.0033	12	-12 5 56.15	0.008	10	0.65	45.588	15	96.0	56.58	14	93.5	K0	GC	2499	-12 382
81		8.3A	1 56.801	0.0005	18	-19 36 25.72	0.001	13	0.30	56.793	16	33.8	25.73	16	33.8	G0 J	13A	552	A -20 393
82		8.3A	2 5.887	-0.0027	21	-14 3 9.18	0.007	15	0.34	5.931	18	33.7	9.29	16	33.7	F8 J	12A	532	A -14 386
83		7.4A	2 6.788	-0.0018	21	-16 27 18.31	-0.052	15	0.34	6.817	18	33.7	17.46	16	33.7	F5 J	12A	533	A -16 362
84		8.9A	2 14.747	0.0026	18	-18 15 27.08	-0.024	13	0.31	14.705	18	33.7	26.69	16	33.7	A0 J	12B	553	A -18 357
85		8.5A	2 16.859	0.0019	21	-16 31 35.30	0.038	15	0.34	16.827	18	33.7	35.91	16	33.7	G0 J	12A	534	A -16 364
86		8.4A	2 18.263	0.0043	21	-16 37 28.03	0.010	15	0.34	18.192	18	33.7	28.18	16	33.7	K0 J	12A	536	A -17 383
87		9.2A	2 18.352	0.0014	21	-14 19 29.74	-0.021	15	0.34	18.330	18	33.7	29.39	16	33.7	G0 J	12A	535	A -14 387
88		6.8A	2 23.638	0.0029	18	-17 31 34.55	-0.027	13	0.31	23.590	18	33.7	34.11	16	33.7	M0 J	12B	554	A -17 384
89		6.8A	2 27.632	-0.0011	18	-19 22 29.61	-0.043	13	0.31	27.651	18	33.7	28.91	16	33.7	A5 J	12B	555	A -19 374
90		8.0A	2 35.215	0.0009	18	-15 54 58.67	-0.038	13	0.31	35.199	18	33.7	58.05	16	33.7	G0 J	12A	538	A -16 365
91		9.0A	2 56.520	0.0090	15	-10 1 48.60	-0.060	17	0.31	56.375	18	33.7	47.62	16	33.7	K2 J	11	470	A -10 428
92		9.1A	3 1.017	0.0018	17	-17 40 32.84	-0.001	12	0.29	0.987	18	33.7	32.82	16	33.7	G0 J	12B	557	A -18 361
93		9.6A	3 9.586	-0.0011	18	-15 50 33.66	0.023	13	0.31	9.603	18	33.7	34.03	16	33.7	F5 J	12A	540	A -16 366
94		9.3A	3 17.957	0.0065	18	-16 0 33.90	-0.089	13	0.31	17.852	18	33.7	32.44	16	33.7	F8 J	12A	541	A -16 367
95		8.8A	3 19.645	0.0002	21	-14 22 19.31	-0.001	15	0.34	19.642	18	33.7	19.28	16	33.7	F5 J	12A	542	A -14 391
96		8.8A	3 30.265	0.0010	17	-17 33 0.04	-0.007	12	0.29	30.248	18	33.7	59.93	16	33.7	K2 J	12B	558	A -18 362
97		8.5A	3 30.874	-0.0038	18	-19 38 2.56	-0.014	13	0.30	30.935	16	33.8	2.33	16	33.8	F8 J	13A	559	A -20 396
98		8.6A	3 38.225	0.0001	13	-10 27 2.21	-0.005	15	0.29	38.223	18	33.7	2.12	16	33.7	M2 J	11	471	A -10 429
99		6.7T	3 43.111	0.0024	17	-10 30 49.24	-0.007	13	0.72	43.002	22	04.3	48.90	17	03.5	F0	GC	2526	-10 430
00		9.0A	3 55.507	-0.0009	15	-12 18 6.41	0.001	17	0.31	55.522	18	33.7	6.42	16	33.7	A5 J	11	474	A -12 388

148200

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	EPOCH 1950 μ s	EPOCH 1950 σ_μ ″.001	EPOCH 1950 δ_{1950} ° ′ ″	EPOCH 1950 μ' ″	EPOCH 1950 σ_μ ″.001	EPOCH 1950 σ_{1950} ″	ORIGINAL EPOCH α_2 s	ORIGINAL EPOCH σ ″.01	ORIGINAL EPOCH ep.	ORIGINAL EPOCH δ_2 ″	ORIGINAL EPOCH σ' ″.01	ORIGINAL EPOCH ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	-10° 2H DM NUMBER
1		7.1T	2 3 56.146	0.0012	20	-15 41 2.25	-0.034	14	0.79	56.094	22	06.3	0.65	18	03.5	K0	GC	2533	-16 370
2		8.9A	3 57.548	-0.0017	15	-12 34 8.88	-0.097	17	0.31	57.576	18	33.7	7.30	16	33.7	G0 J	11	476	A -13 381
3		8.5A	3 58.508	0.0012	15	-10 13 42.43	-0.000	17	0.31	58.489	18	33.7	42.42	16	33.7	K2 J	11	475	A -10 431
4		8.7A	4 4.909	-0.0000	13	-17 46 27.36	-0.009	11	0.26	4.909	18	33.7	27.22	16	33.7	A5 J	12B	561	A -18 364
5		8.9A	4 5.145	0.0075	21	-14 8 35.49	0.011	15	0.34	5.023	18	33.7	35.66	16	33.7	F2 J	12A	545	A -14 394
6		8.2A	4 10.188	-0.0080	21	-14 42 2.22	-0.082	15	0.34	10.317	18	33.7	0.89	16	33.7	G0 J	12A	546	A -15 367
7		8.5A	4 14.944	-0.0014	15	-10 20 14.83	-0.036	15	0.30	14.968	18	33.7	14.24	16	33.7	G0 J	11	477	A -10 432
8		9.0A	4 20.972	0.0084	21	-15 34 18.95	0.014	15	0.34	20.933	18	33.7	19.17	16	33.7	K5 J	12A	547	A -16 373
9		9.0A	4 24.051	-0.0029	20	-10 50 42.99	-0.008	20	0.36	24.097	18	33.7	42.85	16	33.7	F8 J	11	478	A -11 402
10		6.6T	4 29.908	0.0089	18	-19 22 32.88	-0.018	16	0.90	29.463	22	00.1	31.95	19	97.5	K0	GC	2541	-19 386
11		7.6A	4 33.452	-0.0002	17	-15 56 35.30	-0.045	11	0.28	33.454	18	33.7	34.56	16	33.7	K2 J	12A	548	A -16 374
12		8.8A	4 42.686	-0.0031	15	-13 2 13.18	0.004	15	0.30	42.717	18	33.7	13.24	16	33.7	F8 J	11	479	A -13 382
13		9.2A	4 43.354	0.0017	21	-14 38 16.30	0.017	15	0.34	43.326	18	33.7	16.58	16	33.7	G0 J	12A	549	A -15 368
14		9.1A	4 44.533	0.0056	17	-11 49 33.26	0.009	18	0.33	44.442	18	33.7	33.40	16	33.7	G5 J	11	480	A -12 392
15		8.3A	4 45.774	0.0015	17	-11 55 10.66	0.012	18	0.33	45.750	18	33.7	10.85	16	33.7	G5 J	11	481	A -12 393
16		8.7A	4 52.821	-0.0010	17	-10 46 59.56	-0.041	18	0.33	52.837	18	33.7	58.89	16	33.7	G5 J	11	482	A -11 404
17		8.8A	4 54.484	0.0032	15	-10 45 6.35	0.011	17	0.31	54.431	18	33.7	6.52	16	33.7		11	483	A -11 405
18		8.8A	4 57.421	0.0008	15	-17 52 18.42	0.015	11	0.27	57.409	18	33.7	18.67	16	33.7	F8 J	12B	563	A -18 369
19		8.7A	5 11.297	0.0031	17	-10 43 14.97	0.010	18	0.33	11.246	18	33.7	15.13	16	33.7	K5 J	11	484	A -11 408
20		9.0A	5 11.954	0.0010	21	-16 32 55.34	-0.014	15	0.34	11.937	18	33.7	55.10	16	33.7	K0 J	12A	550	A -17 391
21		8.7A	5 22.955	0.0034	21	-15 35 0.19	0.002	15	0.34	22.899	18	33.7	0.21	16	33.7	A5 J	12A	551	A -16 376
22		9.0A	5 25.649	0.0046	15	-18 27 11.33	-0.033	11	0.27	25.574	18	33.7	10.79	16	33.7	G5 J	12B	566	A -18 370
23		8.5A	5 28.811	-0.0015	17	-10 5 37.67	-0.049	18	0.33	28.836	18	33.7	36.87	16	33.7	G5 J	11	485	A -10 435
24		8.6A	5 33.563	0.0036	21	-14 29 16.53	0.010	15	0.34	33.505	18	33.7	16.69	16	33.7	K0 J	12A	552	A -14 398
25		8.7A	5 35.071	0.0045	18	-17 4 10.82	0.003	13	0.31	34.997	18	33.7	10.86	16	33.7	G0 J	12A	553	A -17 394
26		8.8A	5 35.695	-0.0037	18	-18 36 15.31	-0.015	13	0.31	35.755	18	33.7	15.07	16	33.7	G0 J	12B	567	A -19 389
27		8.1A	5 37.168	0.0031	18	-19 9 0.47	0.026	13	0.31	37.118	18	33.7	0.89	16	33.7	F0 J	12B	568	A -19 390
28		8.0A	5 42.228	0.0016	18	-12 7 2.23	0.055	20	0.35	42.202	18	33.7	3.11	16	33.7	G5 J	11	486	A -12 395
29		9.2A	5 47.512	0.0047	21	-16 41 38.58	-0.030	15	0.34	47.435	18	33.7	38.09	16	33.7	G5 J	12A	554	A -17 396
30		8.9A	5 49.942	0.0038	17	-12 34 21.07	-0.008	18	0.33	49.881	18	33.7	20.93	16	33.7	K J	11	487	A -13 396
31		6.9T	5 52.127	0.0031	12	-10 16 41.22	0.008	11	0.57	51.983	18	03.4	41.59	17	01.3	A3	GC	2560	-10 437
32		8.7A	6 6.641	0.0015	15	-17 43 3.81	0.014	12	0.28	6.616	18	33.7	4.04	16	33.7	G0 J	12B	570	A -18 371
33		9.2A	6 16.265	-0.0014	18	-15 12 36.15	-0.043	13	0.31	16.298	18	33.7	35.46	16	33.7	K2 J	12A	556	A -15 373
34		8.6A	6 16.582	-0.0008	17	-11 14 4.46	0.012	18	0.33	16.596	18	33.7	4.65	16	33.7	K0 J	11	490	A -11 412
35		7.6A	6 22.332	0.0024	18	-17 37 39.59	0.003	13	0.31	22.294	18	33.7	39.64	16	33.7	K5 J	12B	571	A -18 372
36		9.0A	6 23.079	0.0005	18	-17 47 23.15	-0.023	12	0.30	23.070	18	33.7	22.78	16	33.7	G0 J	12B	572	A -18 373
37		6.3T	6 23.381	-0.0005	10	-18 0 55.54	-0.029	11	0.61	23.410	10	90.9	53.84	12	91.5	M0	GC	2569	-18 374
38		8.1A	6 31.790	0.0035	21	-16 14 46.46	0.008	15	0.34	31.733	18	33.7	46.58	16	33.7	F0 J	12A	558	A -16 379
39		9.0A	6 40.238	0.0004	21	-16 53 4.65	0.002	15	0.34	40.271	18	33.7	4.68	16	33.7	F0 J	12A	559	A -17 399
40		7.5A	6 55.860	0.0019	18	-19 48 21.97	-0.003	13	0.30	55.829	16	33.8	21.92	16	33.8	K0 J	13A	575	A -20 404
41		8.5A	7 4.350	0.0009	18	-10 6 16.69	0.059	20	0.35	4.336	18	33.7	17.64	16	33.7	G5 J	11	491	A -10 440
42		8.1A	7 9.050	0.0057	21	-17 11 57.34	0.028	15	0.34	8.958	18	33.7	57.78	16	33.7	A3 J	12A	560	A -17 402
43		9.2A	7 11.878	0.0003	18	-18 34 49.76	-0.021	15	0.32	11.872	18	33.7	49.42	16	33.7	F8 J	12B	577	A -19 398
44		7.8A	7 13.536	0.0042	21	-16 21 42.77	-0.031	15	0.34	13.468	18	33.7	42.26	16	33.7	G5 J	12A	561	A -16 382
45		8.7A	7 17.098	-0.0014	15	-10 39 21.19	-0.003	17	0.31	17.121	18	33.7	21.14	16	33.7	K0 J	11	493	A -11 416
46		8.7A	7 20.774	0.0024	18	-19 50 35.52	0.006	13	0.30	20.735	16	33.8	35.61	16	33.8	G5 J	13A	578	A -20 406
47		7.7A	7 22.330	0.0001	18	-15 7 13.31	-0.017	13	0.31	22.329	18	33.7	13.03	16	33.7	K0 J	12A	562	A -15 377
48		9.0A	7 25.111	0.0016	21	-13 26 39.15	0.008	15	0.34	25.085	18	33.7	39.27	16	33.7	K5 J	12A	563	A -13 392
49		8.8A	7 40.139	-0.0002	21	-13 41 35.20	0.012	15	0.34	40.141	18	33.7	35.39	16	33.7	K7 J	12A	564	A -14 402
50		8.8A	7 53.237	0.0066	15	-17 25 54.52	0.031	11	0.27	53.129	18	33.7	55.02	16	33.7	F0 J	12B	581	A -17 404
51		9.0A	2 7 55.039	0.0005	21	-16 57 15.24	-0.016	15	0.34	55.031	18	33.7	14.97	16	33.7	K0 J	12A	566	A -17 405
52		8.7A	8 8.402	-0.0001	15	-11 49 36.10	0.015	17	0.31	8.404	18	33.7	36.34	16	33.7	G0 J	11	496	A -12 403
53		7.3T	8 20.171	0.0001	11	-13 9 42.30	-0.012	09	0.41	20.168	09	10.1	41.82	09	11.4	A0	GC	2608	-13 400
54		7.9A	8 32.598	0.0012	21	-15 32 59.10	0.002	15	0.34	32.578	18	33.7	59.12	16	33.7	A0 J	12A	567	A -16 389
55		9.0A	8 35.504	-0.0026	15	-12 41 3.32	-0.023	17	0.31	35.547	18	33.7	2.94	16	33.7	F J	11	498	A -13 402
56		9.0A	8 38.666	-0.0018	18	-18 46 22.23	-0.019	13	0.31	38.695	18	33.7	21.92	16	33.7	F0 J	12B	583	A -19 401
57		6.7T	8 40.072	-0.0019	17	-15 18 18.35	-0.024	13	0.78	40.163	21	01.5	17.07	18	97.8	A0	GC	2617	-15 380
58		7.8A	8 46.009	-0.0012	21	-14 56 8.19	-0.100	15	0.34	46.028	18	33.7	6.57	16	33.7	F8 J	12A	569	A -15 381
59		7.4A	8 47.395	-0.0016	15	-19 32 32.57	0.013	11	0.26	47.420	16	33.8	32.78	16	33.8	K0 J	13A	584	A -19 402
60		9.1A	8 48.224	0.0023	21	-17 8 16.32	0.012	15	0.34	48.186	18	33.7	16.50	16	33.7	G5 J	12A	570	A -17 407
61		8.8A	8 54.305	0.0014	15	-13 3 41.97	0.013	17	0.31	54.283	18	33.7	42.18	16	33.7	K0 J	11	500	A -13 403
62		6.1T	8 55.021	-0.0019	12	-10 17 4.42	-0.171	12	0.62	55.119	17	99.2	55.68	17	99.0	F2	GC	2623	-10 447
63		9.1A	9 4.332	0.0014	21	-14 39 0.22	0.002	15	0.34	4.309	18	33.7	0.26	16	33.7	A3 J	12A	571	A -15 382
64		6.7T	9 11.175	0.0040	12	-17 58 37.92	0.037	12	0.69	10.959	21	96.2	39.92	19	95.8	K5	GC	2627	-18 381
65		6.8T	9 11.181	-0.0004	17	-19 12 38.49	0.015	15	0.83	11.200	24	00.8	39.28	21	98.5	G5	GC	2628	-19 406
66		8.5A	9 16.366	0.0015	18	-19 48 7.00	-0.044	13	0.30	16.342	16	33.8	6.28	16	33.8	K0 J	13A	587	A -20 411
67		9.2A	9 16.647	0.0022	21	-14 41 10.31	-0.011	15	0.34	16.612	18	33.7	10.14	16	33.7	K2 J	12A	572	A -15 383
68		8.6A	9 23.646	0.0011	13	-13 8 29.73	0.002	15	0.29	23.629	18	33.7	29.76	16	33.7	A3 J	11	501	A -13 405
69		8.8A	9 30.373	0.0016	15	-19 40 2.75	-0.008	12	0.27	30.347	16	33.8	2.62	16	33.8	G5 J	13A	589	A -20 412
70		7.5T	9 41.998	0.0024	15	-17 57 46.25	-0.031	14	0.75	41.884	26	02.7	44.69	22	99.9	K0	GC	2637	-18 382
71		9.0A	9 46.965	-0.0017	21	-16 37 28.24	-0.119	15	0.34	46.992	18	33.7	26.30	16	33.7	G5 J	12A	573	A -17 413
72		8.4A	10 8.192	-0.0003	21	-16 37 30.64	-0.036	15	0.34	8.197	18	33.7	30.05	16	33.7	K0 J	12A	574	A -17 415
73		9.1A	10 12.821	0.0029	18	-17 50 10.85	0.020	13	0.31	12.774	18	33.7	11.18	16	33.7	K2 J	12B	594	A -18 384
74		8.1A	10 55.142	0.0010	18	-15 8 27.50	-0.000	13	0.31	55.126	18	33.7	27.49	16	33.7	F0 J	12A	575	A -15 387
75		8.9A	11 13.540	-0.0003	15	-10 23 43.78	-0.033	17	0.31	13.545	18	33.7	43.24	16	33.7	F2 J	11	503	A -10 454
76		8.4A	11 15.058	-0.0016	15	-10 18 19.46	-0.004	17	0.31	15.085	18	33.7	19.39	16	33.7	G0 J	11	504	A -10 455
77		9.2A	11 15.064	0.0008	21	-13 31 0.01	0.010	15	0.34	15.051	18	33.7	0.17	16	33.7	A J	12A	576	A -13 411
78		8.8A	11 15.365	-0.0069	15	-10 45 31.46	-0.071	15	0.30	15.477	18	33.7	30.30	16	33.7	G5 J	11	505	A -11 425
79		8.9A	11 25.559	0.0008	13	-19 46 38.94	0.021	11	0.25	25.546	16	33.8	39.28	16	33.8	F8 J	13A	600	A -20 418
80		8.6A	11 30.037	0.0008	12	-18 12 2.86	-0.019	09	0.24	30.025	18	33.7	2.55	16	33.7	K0 J	12B	601	A -18 385
81		8.6A	11 34.714	0.0017	21	-16 47 37.84	-0.007	15	0.34	34.686	18	33.7	37.72	16	33.7	G5 J	12A	578	A -17 419
82		8.9A	11 34.746	0.0009	18	-16 13 15.96	-0.009	13	0.31	34.731	18	33.7	15.81	16	33.7	F2 J	12A	577	A -16 398
83		8.1A	11 42.557	0.0017	21	-17 7 24.01	0.010	15	0.34	42.529	18	33.7	24.16	16	33.7	G5 J	12A	579	A -17 422
84		8.7A	11 54.992	0.0001	15	-10 54 9.20	-0.000	17	0.31	54.990	18	33.7	9.19	16	33.7	F5 J	11	507	A -11 426
85		9.0A	12 6.447	-0.0020	20	-17 40 26.27	0.027	15	0.33	6.479	18	33.7	26.71	16	33.7	G0 J	12B	603	A -18 387
86		8.8A	12 8.660	0.0061	13	-18 1 18.29	-0.011	11	0.26	8.561	18	33.7	18.11	16	33.7	G5 J	12B	605	A -18 388
87		6.9A	12 10.289	0.0035	15	-13 8 43.30	0.023	17	0.31	10.213	18	33.7	43.67	16	33.7	G5 J	11	508	A -13 412
88		9.1A	12 28.512	-0.0026	15	-13 18 49.06	0.028	17	0.31	28.555	18	33.7	49.51	16	33.7	K7 J	11	509	A -13 413
89		8.8A	12 44.603	-0.0012	15	-12 35 36.19	-0.012	17	0.31	44.623	18	33.7	35.99	16	33.7	G J	11	510	A -13 414
90		8.1A	12 46.128	0.0002	15	-12 17 3.10	-0.027	17	0.31	46.122	18	33.7	2.65	16	33.7	A0 J	11	511	A -12 418
91		9.0A	12 50.494	-0.0019	21	-16 36 9.31	-0.039	15	0.34	50.524	18	33.7	8.68	16	33.7	G0 J	12A	582	A -17 429
92		8.9A	12 59.021	0.0072	18	-16 18 11.83	-0.041	13	0.31	58.904	18	33.7	11.16	16	33.7	G0 J	12A	584	A -16 406
93		9.2A	12 59.159	0.0031	21	-15 33 23.07	-0.007	15	0.34	59.109	18	33.7	22.95	16	33.7	A3 J	12A	583	A -15 393
94		8.3A	13 4.792	0.0031	18	-16 12 29.86	0.008	13	0.31	4.742	18	33.7	29.98	16	33.7	A2 J	12A	585	A -16 407
95		8.8A	13 14.473	-0.0011	15	-18 13 15.56	-0.030	11	0.27	14.491	18	33.7	15.07	16	33.7	G0 J	12B	606	A -18 393
96		9.1A	13 15.334	0.0006	15	-11 55 54.12	0.024	17	0.31	15.325	18	33.7	54.50	16	33.7	G J	11	513	A -12 421
97		9.2A	13 20.733	-0.0001	18	-16 13 53.39	0.007	13	0.31	20.735	18	33.7	53.50	16	33.7	G5 J	12A	586	A -16 408
98		7.9T	13 24.850	-0.0047	12	-18 28 9.09	-0.183	10	0.60	25.102	15	96.3	58.82	14	93.9	K0	GC	2723K	B*-18 394
99		9.0A	13 28.523	-0.0041	21	-16 7 23.71	-0.142	15	0.34	26.589	18	33.7	21.40	16	33.7	G0 J	12A	587	A -16 409
00		8.6A	13 33.959	-0.0005	17	-19 22 8.15	-0.016	12	0.29	33.967	18	33.7	7.89	16	33.7	G0 J	12B	609	A -19 416

148300

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ s	$\sigma\mu$ ″.001	δ_{1950} ° ′ ″	μ' ″	$\sigma\mu'$ ″.001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.		SOURCE CAT.	STAR NUMBER	DM NUMBER
1		9.0A	2 13 37.149	0.0057	15	-10 6 23.65	-0.002	17	0.31	37.056	18	33.7	23.61	16	33.7	K0	J	11	514	A -10 461
2		8.6A	13 38.813	0.0010	21	-16 50 39.86	0.052	15	0.34	38.798	18	33.7	40.69	16	33.7	K0	J	12A	588	A -17 433
3		9.0A	13 40.984	0.0004	21	-14 56 43.92	-0.033	15	0.34	40.978	18	33.7	43.39	16	33.7	K0	J	12A	589	A -15 396
4		7.2T	13 47.671	0.0175	05	-10 3 8.29	-0.037	04	0.25	46.871	10	04.2	6.39	10	99.2	G0		GC	2729	B*-10 462
5		8.3A	14 19.673	0.0026	21	-16 30 45.45	-0.016	15	0.34	19.630	18	33.7	45.18	16	33.7	K5	J	12A	590	A -16 414
6		8.2A	14 23.667	0.0031	17	-12 40 22.58	-0.000	18	0.33	23.617	18	33.7	22.57	16	33.7	K0	J	11	516	A -13 419
7		9.2A	14 33.202	-0.0055	21	-16 10 7.16	-0.040	15	0.34	33.291	18	33.7	6.50	16	33.7	G5	J	12A	591	A -16 416
8		9.0A	14 33.465	0.0009	21	-16 32 55.80	-0.006	15	0.34	33.450	18	33.7	55.69	16	33.7	G0	J	12A	592	A -16 415
9		9.2A	14 39.070	-0.0009	21	-14 26 41.85	-0.011	15	0.34	39.085	18	33.7	41.67	16	33.7	G0	J	12A	593	A -14 419
10		9.2A	14 39.108	0.0014	21	-15 42 26.14	0.023	15	0.34	39.085	18	33.7	26.51	16	33.7	K0	J	12A	594	A -16 417
11		8.7A	15 7.660	0.0004	17	-12 55 4.54	-0.018	18	0.33	7.653	18	33.7	4.24	16	33.7	K2	J	11	517	A -13 420
12		8.6A	15 15.906	0.0035	17	-19 49 0.86	0.022	12	0.28	15.849	16	33.8	1.21	16	33.8	F5	J	13A	614	A -20 433
13		9.2A	15 21.605	0.0014	15	-12 57 21.96	-0.008	17	0.31	21.582	18	33.7	21.82	16	33.7	G5	J	11	518	A -13 421
14		8.8A	15 24.021	0.0024	21	-16 33 47.56	0.006	15	0.34	23.982	18	33.7	47.65	16	33.7	K0	J	12A	595	A -17 440
15		9.2A	15 26.259	-0.0024	21	-17 5 31.74	-0.014	15	0.34	26.298	18	33.7	31.51	16	33.7	F8	J	12A	596	A -17 441
16		8.4A	15 37.130	0.0027	21	-16 8 30.99	-0.004	15	0.34	37.086	18	33.7	30.92	16	33.7	K2	J	12A	597	A -16 421
17		8.5A	15 37.946	-0.0017	18	-17 1 53.20	-0.046	13	0.31	37.973	18	33.7	52.44	16	33.7	F8	J	12A	598	A -17 442
18		9.2A	15 42.267	0.0062	21	-15 45 16.89	-0.132	15	0.34	42.166	18	33.7	14.74	16	33.7	G	J	12A	599	A -16 422
19		8.0A	15 44.303	0.0005	21	-14 21 50.22	0.041	15	0.34	44.295	18	33.7	50.88	16	33.7	K2	J	12A	600	A -14 423
20		8.8A	15 46.196	0.0030	15	-12 51 55.80	0.004	17	0.31	46.147	18	33.7	55.86	16	33.7	K0	J	11	519	A -13 422
21		9.0A	16 2.622	-0.0019	15	-11 25 34.70	-0.027	17	0.31	2.653	18	33.7	34.25	16	33.7	K0	J	11	520	A -11 436
22		8.9A	16 5.594	-0.0001	13	-18 26 13.45	-0.024	11	0.26	5.595	16	33.7	13.06	16	33.7	G0	J	12B	616	A -18 401
23		9.0A	16 6.524	-0.0006	15	-19 29 27.86	0.033	11	0.26	6.532	16	33.8	28.40	16	33.8	G0	J	13A	617	A -19 421
24		9.2A	16 26.056	0.0025	21	-14 28 50.50	-0.008	15	0.34	26.015	18	33.7	50.36	16	33.7	G5	J	12A	601	A -14 424
25		7.2A	16 33.653	-0.0024	15	-19 45 49.83	-0.007	12	0.27	33.691	16	33.8	49.71	16	33.8	K5	J	13A	619	A -20 437
26		8.9A	16 39.495	0.0058	21	-16 56 44.15	-0.003	15	0.34	39.401	18	33.7	44.09	16	33.7	F8	J	12A	602	A -17 443
27		9.0A	16 45.253	0.0002	21	-14 32 10.86	-0.005	15	0.34	45.249	18	33.7	10.77	16	33.7	K0	J	12A	603	A -14 426
28		8.9A	16 45.423	0.0042	15	-10 53 15.04	0.038	17	0.31	45.355	18	33.7	15.65	16	33.7	G0	J	11	521	A -11 439
29		8.3A	16 58.667	-0.0000	15	-10 50 50.73	-0.024	17	0.31	58.667	18	33.7	50.33	16	33.7	K2	J	11	522	A -11 440
30		9.1A	17 1.098	0.0043	15	-18 18 16.30	0.015	11	0.27	1.029	18	33.7	16.55	16	33.7	G	J	12B	620	A -18 405
31		8.4A	17 3.910	0.0009	17	-18 47 57.57	-0.002	12	0.29	3.895	16	33.7	57.54	16	33.7	K2	J	12B	621	A -19 426
32		8.6A	17 14.328	0.0027	15	-12 59 24.78	-0.010	17	0.31	14.284	18	33.7	24.61	16	33.7	G0	J	11	523	A -13 427
33		7.6A	17 20.082	0.0018	17	-19 23 0.32	-0.054	12	0.29	20.053	18	33.7	59.44	16	33.7	K0	J	12B	623	A -19 427
34		9.1A	17 22.757	-0.0001	21	-14 34 3.00	-0.038	15	0.34	22.758	18	33.7	2.39	16	33.7	G0	J	12A	604	A -15 400
35		8.7A	17 26.213	-0.0025	17	-10 36 51.80	0.016	18	0.33	26.255	18	33.7	52.05	16	33.7	K0	J	11	524	A -11 442
36		8.3A	17 37.500	-0.0011	18	-18 14 40.66	-0.024	13	0.31	37.518	18	33.7	40.27	16	33.7	F8	J	12B	624	A -18 406
37		8.9A	17 37.888	-0.0012	15	-19 17 27.02	0.010	12	0.28	37.869	18	33.7	27.18	16	33.7	A5	J	12B	625	A -19 429
38		8.1A	17 43.973	-0.0025	21	-14 38 48.75	-0.077	15	0.34	44.012	18	33.7	47.50	16	33.7	A3	J	12A	605	A -15 401
39		8.2A	17 53.435	0.0007	21	-14 51 12.27	-0.005	15	0.34	53.424	18	33.7	12.18	16	33.7	K0	J	12A	606	A -15 402
40		7.5A	18 17.915	0.0015	15	-11 50 7.13	0.008	17	0.31	17.891	18	33.7	7.25	16	33.7	G5	J	11	525	A -12 436
41		8.8A	18 24.119	0.0021	21	-15 29 50.65	-0.050	15	0.34	24.085	18	33.7	49.85	16	33.7	F8	J	12A	607	A -15 406
42		8.9A	18 39.660	0.0023	15	-13 9 33.39	-0.032	17	0.31	39.623	18	33.7	32.87	16	33.7	K5	J	11	526	A -13 429
43		8.7A	18 50.071	0.0134	15	-12 25 46.93	-0.166	15	0.30	49.853	18	33.7	44.22	16	33.7	F8	J	11	527	A -12 439
44		9.2A	18 51.388	0.0055	21	-17 20 26.93	0.041	15	0.34	51.298	18	33.7	27.59	16	33.7	G0	J	12A	608	A -17 452
45		8.4A	18 54.505	0.0018	15	-11 35 16.45	0.004	17	0.31	54.476	18	33.7	16.51	16	33.7	F5	J	11	528	A -12 441
46		9.0A	19 9.750	0.0015	21	-14 47 29.71	0.005	15	0.34	9.725	18	33.7	29.78	16	33.7	G0	J	12A	609K	A -15 407
47		9.1A	19 13.707	0.0035	21	-16 37 8.02	-0.012	15	0.34	13.651	18	33.7	7.82	16	33.7	G5	J	12A	610	A -17 453
48		9.0A	19 15.207	0.0039	21	-14 51 49.12	0.005	15	0.34	15.143	18	33.7	49.19	16	33.7	G0	J	12A	611	A -15 408
49		7.8A	19 15.672	0.0006	21	-15 59 42.35	-0.025	15	0.34	15.664	18	33.7	41.94	16	33.7	G0	J	12A	612	A -16 432
50		9.0A	19 19.440	-0.0029	21	-14 41 24.90	-0.046	15	0.34	19.487	18	33.7	24.14	16	33.7	F8	J	12A	613K	A -15 410
51		9.0A	2 19 21.150	0.0042	21	-17 11 27.62	-0.032	15	0.34	21.082	18	33.7	27.09	16	33.7	F8	J	12A	614	A -17 455
52		8.7A	19 21.334	0.0060	15	-12 9 0.33	-0.004	17	0.31	21.237	18	33.7	0.26	16	33.7	F5	J	11	530	A -12 442
53		7.4T	19 25.909	0.0003	13	-14 30 42.14	-0.036	12	0.70	25.892	22	97.8	40.14	21	95.5	F0		GC	2847	B*-14 434
54		5.6T	19 34.607	0.0091	07	-11 0 14.42	-0.082	06	0.30	34.212	10	06.5	10.60	10	03.7	F0		GC	2849	B*-11 448
55		8.9A	19 35.654	0.0062	18	-15 9 2.18	0.001	13	0.31	35.553	18	33.7	2.21	16	33.7	F8	J	12A	616	A -15 412
56		6.0H	19 43.554	0.0006	02	-17 53 19.87	-0.057	03	0.07	43.539	04	27.2	18.44	04	25.1	K0		F4	1064	-18 409
57		9.0A	19 52.028	0.0005	15	-11 20 57.36	0.009	17	0.31	52.019	18	33.7	57.50	16	33.7	K0	J	11	532	A -11 451
58		7.8A	19 56.142	0.0035	21	-16 44 3.60	-0.010	15	0.34	56.085	18	33.7	3.43	16	33.7	K0	J	12A	617	A -17 457
59		8.0A	20 3.508	-0.0016	17	-15 27 50.22	-0.002	11	0.28	3.534	18	33.7	50.19	16	33.7	G0	J	12A	618	A -15 414
60		8.9A	20 5.312	0.0034	21	-13 38 42.59	-0.024	15	0.34	5.256	18	33.7	42.19	16	33.7	G0	J	12A	619	A -14 440
61		8.7A	20 15.782	0.0011	15	-10 25 45.82	-0.010	17	0.31	15.765	18	33.7	45.65	16	33.7	M3	J	11	534	A -10 482
62		8.0A	20 22.167	0.0038	18	-15 7 41.88	0.001	13	0.31	22.105	18	33.7	41.90	16	33.7	A0	J	12A	620	A -15 416
63		8.6A	20 26.902	0.0068	15	-12 51 28.16	0.017	17	0.31	26.792	18	33.7	28.43	16	33.7	G0	J	11	535	A -13 434
64		9.1A	20 32.397	0.0097	21	-13 59 0.47	0.015	15	0.34	32.239	18	33.7	0.70	16	33.7	G0	J	12A	621	A -14 442
65		9.2A	20 35.949	0.0014	21	-15 46 7.63	0.005	15	0.34	35.927	18	33.7	7.70	16	33.7	F8	J	12A	622	A -16 435
66		6.4T	20 36.423	0.0102	12	-18 34 47.16	-0.106	10	0.54	35.960	18	04.7	41.97	17	00.9	G5		GC	2868	-19 444
67		9.2A	20 52.962	0.0016	21	-16 39 18.96	0.002	15	0.34	52.935	18	33.7	18.99	16	33.7	G0	J	12A	623	A -17 463
68		9.1A	20 59.176	0.0006	18	-18 6 50.93	-0.005	13	0.31	59.166	18	33.7	50.85	16	33.7	G0	J	12B	636	A -18 414
69		9.2A	21 14.199	0.0033	21	-14 20 6.82	-0.036	15	0.34	14.145	18	33.7	6.23	16	33.7	F5	J	12A	624	A -14 444
70		8.8A	21 25.125	0.0032	15	-10 35 32.83	-0.004	17	0.31	25.072	18	33.7	32.76	16	33.7	K0	J	11	536	A -11 455
71		9.2A	21 33.814	0.0019	18	-16 5 50.75	-0.020	13	0.31	33.783	18	33.7	50.42	16	33.7	F5	J	12A	626	A -16 437
72		9.2A	21 34.837	0.0017	21	-13 24 8.17	-0.033	15	0.34	34.809	18	33.7	7.63	16	33.7	K0	J	12A	625	A -13 438
73		6.6T	21 47.398	-0.0015	08	-16 28 50.14	0.007	10	0.51	47.480	18	95.3	50.48	18	98.1	F0		GC	2890	-16 438
74		9.1A	21 49.427	0.0054	17	-17 27 22.68	-0.062	12	0.29	49.338	18	33.7	21.66	16	33.7	K0	J	12B	638	A -17 464
75		7.6T	22 3.857	-0.0036	11	-13 31 6.82	-0.017	09	0.54	4.045	15	97.1	5.88	15	95.7	F5		GC	2899	-13 440
76		8.9A	22 4.200	0.0013	13	-17 40 35.28	0.003	11	0.26	4.179	18	33.7	35.33	16	33.7	K0	J	12B	641	A -18 416
77		9.0A	22 13.167	0.0026	15	-12 3 20.47	-0.005	17	0.31	13.125	18	33.7	20.38	16	33.7	K0	J	11	539	A -12 448
78		7.8A	22 34.349	0.0014	17	-10 25 20.88	0.013	18	0.33	34.327	18	33.7	21.09	16	33.7	G5	J	11	540	A -10 487
79		9.3A	22 36.377	0.0020	21	-13 52 24.27	-0.015	15	0.34	36.344	18	33.7	24.02	16	33.7	G5	J	12A	631	A -14 449
80		8.5A	22 45.074	0.0055	18	-10 41 58.32	0.003	20	0.35	44.986	18	33.7	58.36	16	33.7	G0	J	11	541	A -11 457
81		9.0A	23 20.167	0.0019	21	-14 7 2.70	-0.030	15	0.34	20.136	18	33.7	2.21	16	33.7	G0	J	12A	632	A -14 453
82		7.7A	23 23.453	-0.0024	17	-10 51 5.44	0.016	18	0.33	23.492	18	33.7	5.69	16	33.7	F5	J	11	544K	A -11 459
83		8.4A	23 27.012	-0.0003	17	-10 7 36.04	-0.034	18	0.33	27.017	18	33.7	35.48	16	33.7	F8	J	11	545	A -10 491
84		9.2A	23 28.569	0.0031	21	-16 55 44.54	-0.038	15	0.34	28.519	18	33.7	43.91	16	33.7	K0	J	12A	633	A -17 468
85		4.9H	23 31.955	-0.0012	02	-12 30 54.30	-0.007	02	0.06	31.997	03	15.2	54.08	03	16.2	A0		F4	1066	-12 451
86		5.8T	23 37.625	-0.0044	06	-15 33 54.37	-0.045	05	0.26	37.807	12	08.6	52.24	12	03.1	A2		GC	2933K	B*-15 426
87		9.2A	24 2.468	0.0036	21	-14 6 13.73	-0.047	15	0.34	2.410	18	33.7	12.96	16	33.7	G0	J	12A	635	A -14 455
88		8.7A	24 3.150	0.0032	17	-10 44 31.91	0.020	18	0.33	3.098	18	33.7	32.23	16	33.7	K0	J	11	548	A -11 461
89		8.6A	24 7.829	0.0061	21	-16 57 39.65	-0.031	15	0.34	7.729	18	33.7	39.14	16	33.7	G0	J	12A	636	A -17 470
90		9.2A	24 9.599	0.0015	13	-13 3 42.45	-0.040	15	0.29	9.575	18	33.7	41.79	16	33.7	F5	J	11	550	A -13 449
91		9.1A	24 10.397	0.0114	15	-19 18 52.66	-0.069	11	0.27	10.211	18	33.7	51.54	16	33.7	G5	J	12B	653	A -19 455
92		8.9A	24 15.968	0.0016	15	-12 5 46.84	0.019	17	0.31	15.942	18	33.7	47.14	16	33.7	K0	J	11	551	A -12 453
93		9.0A	24 30.011	-0.0035	21	-17 23 7.17	-0.057	15	0.34	30.067	18	33.7	6.24	16	33.7	G5	J	12A	637	A -17 472
94		9.0A	24 34.039	0.0031	21	-14 42 33.28	0.023	15	0.34	33.988	18	33.7	33.66	16	33.7	F5	J	12A	638	A -15 430
95		9.3A	24 44.195	0.0032	21	-14 47 54.00	0.002	15	0.34	44.142	18	33.7	54.04	16	33.7	G0	J	12A	639	A -15 431
96		9.0A	24 59.496	0.0035	17	-12 15 46.34	-0.042	18	0.33	59.439	18	33.7	45.65	16	33.7	G0	J	11	552	A -12 454
97		8.7A	25 3.096	0.0011	15	-11 22 10.95	-0.021	17	0.31	3.077	18	33.7	10.60	16	33.7	F8	J	11	553	A -11 463
98		8.8A	25 14.881	-0.0012	15	-10 48 30.49	0.022	17	0.31	14.901	18	33.7	30.84	16	33.7	K0	J	11	554	A -11 464
99		8.6A	25 15.939	-0.0016	15	-10 1 41.26	-0.024	17	0.31	15.966	18	33.7	40.86	16	33.7	F5	J	11	555	A -10 495
00		9.0A	25 16.497	-0.0008	18	-13 53 29.61	0.001	13	0.31	16.511	18	33.7	29.62	16	33.7	F8	J	12A	640	A -14 459

-10° 2H

148400

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ s	σ_μ ".001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ".001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ ".01	ep.	δ_2 ″	σ' ".01	ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	-10° 2H DM NUMBER
1		8.8A	2 25 19.760	-0.0022	15	-12 12 7.78	0.012	17	0.31	19.796	18	33.7	7.97	16	33.7	G0 J	11	556	A -12 456
2		9.3A	25 29.504	0.0013	18	-15 27 52.77	-0.028	13	0.31	29.483	18	33.7	52.32	16	33.7	G0 J	12A	641	A -15 433
3		8.6A	25 53.736	0.0007	15	-11 56 22.92	0.032	17	0.31	53.726	18	33.7	23.43	16	33.7	G0 J	11	558	A -12 457
4		8.6A	25 54.412	0.0021	21	-14 25 47.02	-0.069	15	0.34	54.377	18	33.7	45.89	16	33.7	G0 J	12A	642	A -14 463
5		8.8A	26 0.337	0.0019	15	-12 51 14.36	-0.010	17	0.31	0.306	18	33.7	14.19	16	33.7	F0 J	11	559	A -13 456
6		8.5A	26 9.737	0.0005	15	-10 50 50.87	-0.028	17	0.31	9.728	18	33.7	50.41	16	33.7	K0 J	11	561	A -11 467
7		9.4A	26 13.868	0.0000	21	-14 46 32.79	-0.016	15	0.34	13.867	18	33.7	32.54	16	33.7	K0 J	12A	643	A -15 435
8		7.0T	26 20.625	0.0049	17	-11 34 9.71	-0.078	12	0.79	20.586	24	00.9	5.52	21	96.5	F2	GC	2972	-11 468
9		8.9A	26 24.644	0.0029	18	-15 31 19.47	0.010	13	0.31	24.596	18	33.7	19.63	16	33.7	F8 J	12A	644	A -15 437
10		7.8A	26 31.666	-0.0021	15	-10 50 30.25	0.025	11	0.27	31.701	18	33.7	30.63	16	33.7	F5 J	12B	656	A -19 461
11		8.8A	26 33.100	0.0030	21	-16 7 8.29	-0.013	15	0.34	33.051	18	33.7	8.07	16	33.7	K5 J	12A	645	A -16 448
12		8.3A	26 46.991	0.0016	18	-18 45 18.96	-0.013	13	0.31	46.965	18	33.7	18.75	16	33.7	K2 J	12B	660	A -19 462
13		7.9A	26 47.480	-0.0013	15	-19 30 36.69	-0.041	12	0.27	47.501	16	33.8	36.02	16	33.8	F2 J	13A	661	A -19 463
14		6.9A	26 53.927	0.0118	17	-12 17 12.03	0.081	18	0.33	53.735	18	33.7	13.34	16	33.7	G0 J	11	564	A -12 461
15		8.3A	26 55.785	0.0003	15	-11 19 21.32	0.005	17	0.31	55.779	18	33.7	21.39	16	33.7	G5 J	11	565	A -11 470
16		8.8A	26 56.213	0.0010	11	-17 28 45.63	0.003	09	0.23	56.196	18	33.7	45.67	16	33.7	K0 J	12B	662	A -17 477
17		8.3A	26 58.043	0.0007	15	-12 11 37.59	0.008	17	0.31	58.032	18	33.7	37.71	16	33.7	G5 J	11	566	A -12 462
18		7.2T	26 59.058	-0.0012	11	-13 7 59.18	0.016	09	0.52	59.115	18	03.8	59.97	18	99.1	G5	GC	2986	-13 457
19		8.6A	27 4.240	-0.0003	15	-11 34 4.46	0.011	17	0.31	4.245	18	33.7	4.63	16	33.7	G5 J	11	568	A -11 471
20		8.8A	27 9.536	0.0021	15	-13 10 19.11	-0.033	15	0.30	9.502	18	33.7	18.57	16	33.7	F5 J	11	569	A -13 461
21		9.0A	27 11.120	0.0041	21	-16 17 11.51	-0.028	15	0.34	11.053	18	33.7	11.05	16	33.7	K0 J	12A	647	A -16 450
22		8.3A	27 23.539	0.0028	21	-13 28 12.60	-0.010	15	0.34	23.494	18	33.7	12.43	16	33.7	F5 J	12A	648	A -13 462
23		8.6A	27 27.746	-0.0007	15	-11 48 28.09	-0.023	17	0.31	27.758	18	33.7	27.71	16	33.7	G5 J	11	572	A -12 464
24		8.7A	27 33.093	0.0021	17	-14 11 42.99	-0.013	15	0.31	33.058	18	33.7	42.77	16	33.7	K0 J	12A	649	A -14 468
25		9.2A	27 41.837	0.0004	21	-14 50 55.29	0.015	15	0.34	41.829	18	33.7	55.52	16	33.7	G0 J	12A	650	A -15 439
26		8.9A	27 41.967	0.0020	15	-12 28 6.42	-0.028	17	0.31	41.936	18	33.7	5.96	16	33.7	G0 J	11	573	A -12 467
27		8.6A	27 44.556	-0.0003	21	-17 11 57.55	0.006	15	0.34	44.560	18	33.7	57.64	16	33.7	G5 J	12A	651	A -17 480
28		9.2A	27 54.311	-0.0004	18	-13 30 54.31	-0.087	13	0.31	54.317	18	33.7	52.89	16	33.7	F5 J	12A	652	A -13 464
29		9.0A	27 56.608	0.0001	21	-16 40 40.26	-0.055	15	0.34	56.607	18	33.7	39.36	16	33.7	G5 J	12A	653	A -17 481
30		9.0A	27 57.808	0.0022	18	-16 27 34.32	-0.012	13	0.31	57.772	18	33.7	34.12	16	33.7	G0 J	12A	654	A -16 452
31		8.9A	27 59.376	0.0013	15	-12 56 36.42	-0.117	17	0.31	59.356	18	33.7	34.51	16	33.7	G0 J	11	575	A -13 465
32		8.1A	28 24.649	0.0008	13	-12 26 40.35	-0.003	15	0.29	24.636	18	33.7	40.29	16	33.7	G0 J	11	576	A -12 469
33		9.0A	28 25.420	0.0045	18	-16 23 3.09	-0.030	13	0.31	25.350	18	33.7	2.60	16	33.7	K0 J	12A	655	A -16 454
34		7.5T	28 41.185	-0.0012	09	-15 21 17.53	0.053	07	0.45	41.245	18	99.4	20.49	17	94.7	G0	GC	3022	-15 442
35		9.3A	28 46.313	-0.0011	21	-15 23 23.05	-0.004	15	0.34	46.351	18	33.7	22.99	16	33.7	K0 J	12A	657	A -15 443
36		8.8A	28 50.227	-0.0002	15	-12 11 40.68	0.007	17	0.31	50.231	18	33.7	40.79	16	33.7	F5 J	11	577	A -12 471
37		8.9A	28 55.322	0.0024	15	-13 22 46.08	-0.092	17	0.31	55.284	18	33.7	44.58	16	33.7	F5 J	11	578	A -13 468
38		9.5A	29 3.131	0.0268	21	-17 12 17.54	-0.069	15	0.34	2.696	18	33.7	16.41	16	33.7	F5 J	12A	658	A -17 484
39		9.0A	29 5.153	0.0008	15	-11 13 48.26	-0.006	17	0.31	5.140	18	33.7	48.16	16	33.7	G5 J	11	579	A -11 476
40		9.0A	29 9.455	0.0028	21	-15 32 5.08	-0.018	15	0.34	9.409	18	33.7	4.78	16	33.7	G5 J	12A	659	A -15 445
41		9.1A	29 10.459	0.0001	18	-18 12 31.40	-0.005	12	0.30	10.458	18	33.7	31.32	16	33.7	K5 J	12B	667	A -18 433
42		8.8A	29 12.976	-0.0001	18	-15 56 2.88	0.008	13	0.31	12.977	18	33.7	3.00	16	33.7	F8 J	12A	660	A -16 455
43		8.8A	29 20.237	-0.0084	21	-15 29 32.79	-0.128	15	0.34	20.275	18	33.7	30.72	16	33.7	K0 J	12A	661	A -15 447
44		9.2A	29 32.668	0.0029	21	-15 19 42.56	0.012	15	0.34	32.621	18	33.7	42.76	16	33.7	G5 J	12A	662	A -15 446
45		4.8H	29 42.948	-0.0053	02	-15 27 47.46	-0.117	02	0.06	43.139	03	14.1	43.50	03	16.2	F5	F4	1071	-15 449
46		9.0A	29 54.430	0.0001	15	-18 41 20.38	0.019	11	0.27	54.429	18	33.7	20.69	16	33.7	K0 J	12B	669	A -19 472
47		9.1A	29 59.968	0.0092	18	-15 45 26.52	-0.048	13	0.31	59.819	18	33.7	25.73	16	33.7	G5 J	12A	664	A -16 457
48		9.1A	30 14.907	0.0005	21	-17 4 32.77	0.030	15	0.34	14.891	18	33.7	33.26	16	33.7	K7 J	12A	665	A -17 490
49		9.2A	30 15.763	0.0015	20	-18 15 46.70	-0.012	12	0.31	15.739	18	33.7	48.51	16	33.7	F8 J	12B	671	A -18 438
50		7.4A	30 23.966	-0.0001	18	-11 37 58.90	-0.002	20	0.35	23.968	18	33.7	58.87	16	33.7	K0 J	11	580	A -12 478
51		8.7A	2 30 24.005	0.0004	18	-12 39 7.48	0.006	20	0.35	23.999	18	33.7	7.58	16	33.7	G5 J	11	581	A -13 473
52		8.9A	30 25.721	0.0006	18	-10 51 34.95	-0.052	20	0.35	25.711	18	33.7	34.11	16	33.7	F8 J	11	582	A -11 478
53		8.6A	30 29.616	-0.0029	18	-10 42 0.77	0.046	20	0.35	29.663	18	33.7	1.52	16	33.7	G5 J	11	583	A -11 479
54		9.1A	30 35.720	0.0006	18	-12 21 37.83	-0.003	20	0.35	35.710	18	33.7	37.78	16	33.7	G0 J	11	584	A -12 479
55		8.8A	30 39.389	-0.0089	20	-12 14 35.14	0.050	20	0.36	39.532	18	33.7	35.95	16	33.7	G0 J	11	585	A -12 480
56		8.8A	30 41.636	0.0034	21	-14 56 10.47	-0.021	15	0.34	41.582	18	33.7	10.12	16	33.7	G5 J	12A	666	A -15 451
57		8.1A	30 41.937	0.0031	18	-16 15 31.30	-0.003	13	0.31	41.886	18	33.7	31.25	16	33.7	K0 J	12A	667	A -16 460
58		8.7A	30 47.844	0.0004	15	-18 34 29.35	0.024	11	0.27	47.838	18	33.7	29.75	16	33.7	G5 J	12B	673	A -19 473
59		8.4A	30 50.360	0.0012	17	-10 40 37.97	0.027	18	0.33	50.339	18	33.7	38.41	16	33.7	K0 J	11	586	A -11 481
60		8.0A	30 52.389	-0.0035	21	-14 34 57.58	0.037	15	0.34	52.445	18	33.7	58.18	16	33.7	G0 J	12A	668	A -15 453
61		8.9A	30 54.090	0.0046	18	-19 52 37.03	-0.018	13	0.30	54.015	16	33.8	36.73	16	33.8	G0 J	13A	674	A -20 478
62		9.4A	31 3.926	0.0018	21	-15 33 37.71	-0.050	15	0.34	3.896	18	33.7	36.89	16	33.7	G0 J	12A	669	A -15 454
63		9.8A	31 6.412	0.0070	19	-13 22 57.45	0.027	15	0.30	6.299	18	33.7	57.89	16	33.7		11	587	A -13 478
64		8.0A	31 6.589	0.0004	15	-17 48 40.34	-0.025	11	0.27	6.582	18	33.7	39.93	16	33.7	K0 J	12B	675	A -18 442
65		8.8A	31 6.597	0.0009	17	-18 33 44.56	-0.029	12	0.29	6.582	18	33.8	44.10	16	33.8	K2 J	12B	676	A -18 445
66		9.0A	31 15.934	-0.0005	21	-16 49 28.43	0.015	15	0.34	15.942	18	33.7	28.67	16	33.7	G5 J	12A	670	A -17 494
67		6.6I	31 19.619	0.0017	20	-13 22 2.50	-0.024	20	0.85	19.547	21	07.4	1.51	21	09.0	M3E	GC	3072V	84-13 479
68		8.5A	31 29.273	0.0147	13	-19 49 52.10	0.054	09	0.24	29.035	16	33.8	52.97	16	33.8	G0 J	13A	678	A -20 481
69		7.0T	31 30.720	0.0005	12	-12 33 19.59	-0.027	11	0.60	30.706	19	00.9	18.22	18	99.6	F8	GC	3078	-12 481
70		8.7A	31 34.198	0.0006	15	-13 10 11.64	-0.040	20	0.33	34.188	18	33.7	10.99	16	33.7	G0 J	11	590	A -13 481
71		8.2A	31 38.234	-0.0018	21	-14 23 17.57	-0.028	15	0.34	38.264	18	33.7	17.12	16	33.7	G5 J	12A	671	A -14 478
72		8.3A	31 40.410	0.0037	18	-16 21 0.79	0.001	13	0.31	40.349	18	33.7	0.80	16	33.7	K0 J	12A	672	A -16 461
73		8.8A	31 45.978	0.0010	21	-14 50 26.57	-0.019	15	0.34	45.962	18	33.7	26.26	16	33.7	F8 J	12A	673	A -15 455
74		9.0A	31 46.275	0.0051	17	-12 36 1.35	-0.159	18	0.33	46.192	18	33.7	58.77	16	33.7	A5 J	11	591	A -13 482
75		9.2A	31 48.214	-0.0014	21	-13 44 32.39	-0.021	15	0.34	48.257	18	33.7	32.05	16	33.7	G0 J	12A	674	A -14 479
76		8.6A	32 1.109	0.0043	21	-14 1 9.54	-0.022	15	0.34	1.038	18	33.7	9.19	16	33.7	G5 J	12A	675	A -14 481
77		8.7A	32 5.416	0.0001	15	-19 26 7.97	0.020	11	0.26	5.415	16	33.8	8.30	16	33.8	K0 J	13A	680	A -19 477
78		9.3G	32 11.155	0.0096	15	-12 58 14.96	0.020	13	0.65	10.743	24	07.0	15.81	22	07.6	F5	GC	3089	-13 483
79		8.6A	32 35.945	-0.0025	17	-10 6 23.35	-0.017	18	0.33	35.985	18	33.7	23.08	16	33.7	K0 J	11	594	A -10 512
80		8.6A	32 43.014	-0.0019	21	-15 48 5.15	-0.025	15	0.34	43.043	18	33.7	4.74	16	33.7	G5 J	12A	676	A -16 465
81		7.9A	32 43.343	0.0003	17	-17 30 27.71	0.012	12	0.29	43.338	18	33.8	27.91	16	33.8	A0 J	12B	682	A -17 498
82		8.5A	32 45.582	-0.0003	18	-15 24 12.87	0.007	13	0.31	45.586	18	33.7	12.98	16	33.7	F5 J	12A	678	A -15 456
83		9.0A	32 53.159	0.0018	21	-14 1 54.20	-0.005	15	0.34	53.130	18	33.7	54.12	16	33.7	K0 J	12A	679	A -14 485
84		9.0A	32 58.189	0.0007	21	-16 7 37.99	-0.008	15	0.34	58.177	18	33.7	37.85	16	33.7	F8 J	12A	680	A -16 466
85		9.1A	33 0.265	-0.0019	17	-12 59 40.53	0.004	18	0.33	0.296	18	33.7	40.60	16	33.7	F5 J	11	598K	A -13 487
86		8.8A	33 12.715	-0.0042	15	-12 8 48.79	-0.033	17	0.31	12.784	18	33.7	48.25	16	33.7	G0 J	11	599	A -12 486
87		6.9T	33 16.056	-0.0012	22	-15 9 41.28	-0.067	14	0.83	16.107	21	08.3	38.24	19	04.8	K0	GC	3118	-15 458
88		8.5A	33 20.902	0.0008	15	-12 14 40.42	0.011	17	0.31	20.889	18	33.7	40.60	16	33.7	G5 J	11	600	A -12 488
89		9.4A	33 30.428	-0.0003	21	-16 21 7.33	-0.049	15	0.34	30.433	18	33.7	6.53	16	33.7	G0 J	12A	683	A -16 467
90		8.9A	33 30.673	-0.0014	18	-15 27 32.33	-0.031	13	0.31	30.696	18	33.7	31.82	16	33.7	G0 J	12A	682	A -15 459
91		8.9A	33 31.365	-0.0016	18	-19 21 32.21	-0.001	13	0.31	31.391	18	33.8	32.20	16	33.8	K0 J	12B	684	A -19 483
92		7.1T	33 36.395	-0.0038	14	-17 50 59.78	-0.016	11	0.57	36.554	18	08.5	59.03	15	02.9	G0	GC	3127	-18 447
93		9.3A	33 40.124	0.0007	18	-16 53 12.40	-0.039	13	0.31	40.113	18	33.7	11.77	16	33.7	F5 J	12A	684	A -17 501
94		8.1A	33 44.907	0.0006	21	-17 21 45.82	-0.042	15	0.34	44.897	18	33.7	45.14	16	33.7	G5 J	12A	685	A -17 502
95		7.3A	33 51.198	0.0034	15	-11 22 59.99	0.011	17	0.31	51.142	18	33.7	0.17	16	33.7	K0 J	11	601	A -11 489
96		7.9A	33 56.205	-0.0005	15	-13 6 49.67	0.020	17	0.31	56.212	18	33.7	50.00	16	33.7	G5 J	11	602	A -13 492
97		9.3A	33 58.878	-0.0026	15	-12 28 26.62	-0.045	17	0.31	58.920	18	33.8	25.89	16	33.8	F8 J	11	603	A -12 489
98		8.6A	34 5.568	-0.0002	18	-17 20 34.34	-0.032	13	0.31	5.571	18	33.7	33.82	16	33.7	F2 J	12A	686	A -17 503
99		7.0T	34 11.364	-0.0028	11	-14 52 23.70	-0.026	08	0.54	11.505	19	00.7	22.27	17	95.2	K0	GC	3142	-15 461
00		8.4A	34 20.879	0.0031	18	-15 25 6.66	-0.022	13	0.31	20.928	18	33.7	6.29	16	33.7	K0 J	12A	688	A -15 462

148500

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ s	σ_μ .001	δ_{1950} ° ′ ″	μ' ″	σ_μ .001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ .01	ep.	δ_2 ″	σ' .01	ep.	SP.		SOURCE CAT.	STAR NUMBER	DM NUMBER
																				-10° 2H
1		9.0A	2 34 29.502	-0.0011	21	-13 26 47.89	-0.038	15	0.34	29.519	18	33.7	47.28	16	33.7	G5	J	12A	689	A -13 493
2		8.8A	34 31.241	0.0119	17	-17 36 40.44	0.070	11	0.28	31.048	18	33.8	41.57	16	33.8	G5	J	12B	690	A -18 448
3		8.8A	34 33.352	0.0006	18	-16 52 57.25	-0.010	13	0.31	33.342	18	33.7	57.09	16	33.7	K0	J	12A	691	A -17 505
4		8.9A	34 40.821	0.0023	15	-11 2 15.29	-0.007	17	0.31	40.784	18	33.8	15.18	16	33.8	F8	J	11	606	A -11 492
5		8.1A	34 43.107	0.0030	15	-11 24 51.75	0.022	17	0.31	43.058	18	33.8	52.11	16	33.8	G0	J	11	607K	A -11 493
6		8.9A	34 44.951	-0.0002	15	-12 30 48.48	-0.019	17	0.31	44.955	18	33.8	48.18	16	33.8	K5	J	11	608	A -12 492
7		9.1A	35 1.490	0.0013	21	-16 45 20.21	0.002	15	0.34	1.468	18	33.7	20.24	16	33.7	F0	J	12A	692	A -17 506
8		9.1A	35 3.616	-0.0014	21	-15 15 31.69	-0.041	15	0.34	3.639	18	33.7	31.02	16	33.7	K0	J	12A	693	A -15 463
9		8.9A	35 11.451	0.0034	18	-16 24 26.28	-0.021	13	0.31	11.396	18	33.7	25.94	16	33.7	K0	J	12A	694	A -16 470
10		9.0A	35 24.667	0.0011	21	-14 49 5.46	-0.015	15	0.34	24.649	18	33.7	5.21	16	33.7	G5	J	12A	695	A -15 464
11		7.7A	35 26.669	0.0029	15	-13 20 47.29	0.067	17	0.31	26.622	18	33.8	48.38	16	33.8	F8	J	11	609	A -13 495
12		9.1A	35 32.230	0.0030	15	-11 57 37.27	-0.042	17	0.31	32.181	18	33.8	36.59	16	33.8	F8	J	11	610	A -12 495
13		8.6A	35 42.816	0.0015	21	-17 22 18.61	-0.009	15	0.34	42.791	18	33.7	18.46	16	33.7	K0	J	12A	696	A -17 507
14		8.5A	35 44.819	0.0014	15	-11 36 2.53	0.001	17	0.31	44.796	18	33.8	2.55	16	33.8	G0	J	11	611K	A -12 496
15		8.8A	35 46.510	0.0016	12	-17 44 44.96	-0.004	09	0.24	46.484	18	33.8	44.90	16	33.8	F8	J	12B	695	A -18 450
16		9.1A	35 55.666	0.0002	17	-18 55 56.29	0.010	12	0.29	55.662	18	33.8	56.44	16	33.8	G5	J	12B	698	A -19 493
17		9.0A	35 59.953	-0.0005	15	-13 14 4.76	0.021	17	0.31	59.961	18	33.8	5.10	16	33.8	K0	J	11	613	A -13 497
18		8.6A	36 1.782	0.0008	18	-13 34 37.78	-0.042	13	0.31	1.770	18	33.7	37.10	16	33.7	F0	J	12A	698	A -13 498
19		9.0A	36 10.342	-0.0007	21	-14 30 53.00	-0.027	15	0.34	10.353	18	33.7	52.56	16	33.7	G0	J	12A	699	A -14 495
20		8.7A	36 31.007	0.0006	15	-13 13 3.34	0.004	15	0.30	30.998	18	33.8	3.41	16	33.8	F8	J	11	615	A -13 500
21		8.9A	36 36.783	-0.0031	12	-18 24 27.43	0.018	09	0.24	36.834	18	33.8	27.72	16	33.8	F2	J	12B	701	A -18 451
22		9.2A	36 36.986	-0.0012	21	-13 50 4.24	-0.004	15	0.34	37.005	18	33.7	4.18	16	33.7	F2	J	12A	700	A -14 496
23		6.7T	36 42.706	-0.0024	17	-10 2 44.70	-0.035	16	0.62	42.816	27	03.9	43.01	26	01.7	G5		GC	3183	-10 522
24		8.8A	36 47.227	-0.0012	21	-15 12 28.83	-0.000	15	0.34	47.247	18	33.7	28.83	16	33.7	K0	J	12A	701	A -15 466
25		8.5Q	36 52.277	0.0051	10	-11 57 47.56	0.008	07	0.47	52.030	18	01.6	47.98	17	97.1	F8		GC	3187	-12 500
26		8.1T	37 0.779	0.0004	16	-14 30 4.62	-0.204	12	0.66	0.763	18	05.6	-55.21	17	03.8	G0		GC	3195	-14 497
27		8.2A	37 4.024	0.0039	21	-13 32 57.13	-0.051	15	0.34	3.960	18	33.7	56.30	16	33.7	F5	J	12A	703	A -13 502
28		5.0T	37 8.592	0.0096	02	-12 5 0.36	-0.234	02	0.11	8.158	06	04.8	-48.96	06	01.3	F5		GC	3199	B*-12 501
29		9.3A	37 12.012	-0.0048	18	-16 24 11.93	-0.051	13	0.31	12.089	18	33.7	11.10	16	33.7	G0	J	12A	704	A -16 480
30		9.4A	37 17.328	0.0009	21	-15 13 13.91	-0.016	15	0.34	17.313	18	33.7	13.65	16	33.7	F8	J	12A	705	A -15 468
31		8.8A	37 21.559	-0.0014	17	-19 12 9.54	-0.002	12	0.29	21.582	18	33.8	9.50	16	33.8	F8	J	12B	704	A -19 498
32		9.0A	37 26.837	0.0022	21	-14 29 28.62	-0.033	15	0.34	26.802	18	33.7	28.09	16	33.7	K0	J	12A	706	A -14 498
33		8.0A	37 39.428	0.0029	18	-16 18 42.32	0.008	13	0.31	39.381	18	33.7	42.45	16	33.7	G5	J	12A	707	A -16 483
34		7.3T	37 39.483	0.0010	12	-16 31 21.29	-0.001	11	0.45	39.442	09	10.4	21.25	09	11.6	A2		GC	3211	-16 484
35		9.2A	37 44.727	-0.0002	18	-18 5 57.87	-0.020	12	0.30	44.730	18	33.8	57.55	16	33.8	K0	J	12B	706	A -18 454
36		8.9A	37 52.804	0.0019	15	-12 22 44.08	0.034	15	0.30	52.773	18	33.8	44.63	16	33.8	G0	J	11	622	A -12 503
37		9.0A	37 59.660	0.0024	21	-14 38 12.48	-0.001	15	0.34	59.621	18	33.7	12.46	16	33.7	F8	J	12A	709	A -15 472
38		6.6T	38 3.679	0.0033	17	-14 39 46.16	-0.025	16	0.82	3.522	21	03.0	47.39	19	00.6	A5		GC	3222	-15 473
39		8.4A	38 17.728	0.0078	17	-18 57 51.73	0.001	12	0.29	17.601	18	33.8	51.76	16	33.8	K0	J	12B	708	A -19 501
40		9.2A	38 17.914	0.0005	18	-17 35 7.95	-0.006	13	0.31	17.906	18	33.8	7.86	16	33.8	G0	J	12B	707	A -17 516
41		9.2A	38 32.357	-0.0011	21	-14 37 34.64	-0.011	15	0.34	32.375	18	33.7	34.46	16	33.7	K2	J	12A	712	A -15 475
42		8.7A	38 44.258	0.0011	18	-18 48 56.39	-0.007	13	0.31	44.239	18	33.8	56.29	16	33.8	K2	J	12B	711	A -19 504
43		8.8A	38 51.294	0.0009	17	-18 16 6.00	-0.025	11	0.28	51.280	18	33.8	5.60	16	33.8	K0	J	12B	712	A -18 456
44		7.9A	38 52.476	0.0053	12	-18 2 3.05	-0.063	09	0.24	52.389	18	33.8	2.03	16	33.8	K0	J	12B	713	A -18 457
45		8.9A	38 57.341	0.0005	13	-12 45 50.37	-0.022	15	0.29	57.334	18	33.8	50.02	16	33.8	G5	J	11	624	A -13 511
46		9.1A	39 2.016	0.0012	18	-15 42 36.18	-0.024	13	0.31	1.997	18	33.7	35.79	16	33.7	K2	J	12A	713	A -16 489
47		9.0A	39 4.084	-0.0037	20	-13 43 4.06	-0.022	13	0.32	4.144	18	33.7	3.71	16	33.7	G0	J	12A	714	A -14 507
48		8.8A	39 6.929	-0.0003	21	-16 59 48.44	-0.024	15	0.34	6.934	18	33.8	48.05	16	33.8	A2	J	12A	716	A -17 519
49		7.6A	39 7.742	0.0040	21	-15 18 46.93	-0.086	15	0.34	7.677	18	33.8	45.53	16	33.8	F5	J	12A	715	A -15 477
50		6.0T	39 11.594	-0.0026	11	-14 45 47.29	0.044	10	0.48	11.696	18	09.9	49.22	15	06.0	F5		GC	3247	-15 478
51		8.9A	2 39 11.700	-0.0011	21	-16 16 17.10	-0.012	15	0.34	11.717	18	33.8	16.90	16	33.8	K2	J	12A	718	A -16 490
52		9.2A	39 15.288	-0.0003	13	-18 9 19.80	-0.025	11	0.26	15.293	18	33.8	19.40	16	33.8	K2	J	12B	714	A -18 458
53		8.7A	39 17.818	0.0018	15	-19 47 21.62	0.043	12	0.27	17.789	16	33.8	22.32	16	33.8	G0	J	13A	715	A -20 501
54		8.7A	39 23.116	0.0025	21	-13 49 21.84	0.011	15	0.34	23.075	18	33.8	22.02	16	33.8	K0	J	12A	719	A -14 508
55		8.5A	39 51.382	0.0031	15	-12 26 50.40	-0.099	15	0.30	51.332	18	33.8	48.80	16	33.8	G0	J	11	626	A -12 510
56		9.1A	39 54.556	0.0045	15	-19 12 21.54	-0.029	12	0.28	54.484	18	33.8	21.08	16	33.8	G5	J	12B	718	A -19 508
57		9.0A	39 57.189	0.0018	18	-19 25 37.67	0.001	13	0.30	57.160	16	33.8	37.70	16	33.8	G0	J	13A	719	A -19 509
58		8.0A	39 57.261	0.0037	21	-16 14 2.95	-0.002	15	0.34	57.200	18	33.8	2.92	16	33.8	A5	J	12A	720	A -16 492
59		8.5A	40 0.971	-0.0012	15	-12 31 22.35	-0.002	17	0.31	0.990	18	33.8	22.32	16	33.8	A3	J	11	627	A -12 511
60		9.1A	40 1.139	0.0021	18	-13 52 35.98	-0.007	13	0.31	1.105	18	33.8	35.87	16	33.8	F	J	12A	721	A -14 512
61		8.8A	40 2.228	-0.0030	20	-19 38 25.66	-0.066	15	0.32	2.276	16	33.8	24.59	16	33.8	G0	J	13A	720	A -20 504
62		8.7A	40 4.755	-0.0003	15	-11 0 19.59	-0.005	17	0.31	4.760	18	33.8	19.51	16	33.8	K0	J	11	628	A -11 507
63		8.7A	40 15.127	-0.0011	13	-10 37 12.12	-0.039	15	0.29	15.145	18	33.8	11.49	16	33.8	G0	J	11	629	A -11 508
64		9.0A	40 18.062	0.0002	17	-17 59 34.12	-0.015	11	0.28	18.059	18	33.8	33.88	16	33.8	K0	J	12B	723	A -18 460
65		8.9A	40 29.552	-0.0018	15	-12 22 48.75	-0.081	15	0.30	29.581	18	33.8	47.44	16	33.8	G5	J	11	630	A -12 512
66		8.9A	40 45.367	0.0004	18	-17 8 55.17	-0.046	13	0.31	45.361	18	33.8	54.43	16	33.8	F8	J	12A	722	A -17 524
67		8.7A	40 48.168	0.0014	18	-19 33 49.76	0.033	13	0.30	48.145	16	33.8	50.29	16	33.8	F8	J	13A	727	A -19 510
68		8.8A	40 50.185	0.0061	18	-19 15 23.21	0.069	13	0.31	50.086	18	33.8	24.34	16	33.8	F5	J	12B	728	A -19 512
69		8.5A	40 53.912	-0.0003	17	-18 34 30.89	-0.019	12	0.29	53.917	18	33.8	30.59	16	33.8	A5	J	12B	729	A -18 461
70		8.4A	41 18.502	-0.0019	17	-12 6 31.85	-0.019	18	0.33	18.532	18	33.8	31.54	16	33.8	K0	J	11	631	A -12 515
71		9.2A	41 20.841	-0.0015	18	-17 41 34.39	0.018	12	0.30	20.865	18	33.8	34.68	16	33.8	G0	J	12B	730	A -18 462
72		9.4A	41 29.274	0.0017	18	-14 58 37.40	-0.016	13	0.31	29.247	18	33.8	37.13	16	33.8	A	J	12A	724	A -15 486
73		8.8A	41 36.904	-0.0012	21	-15 59 47.34	0.017	15	0.34	36.923	18	33.8	47.61	16	33.8	K5	J	12A	725	A -16 495
74		9.0A	41 37.050	-0.0002	18	-18 34 10.46	-0.007	13	0.31	37.053	18	33.8	10.34	16	33.8	K5	J	12B	731	A -18 464
75		4.4H	41 44.470	-0.0008	01	-14 4 10.17	-0.013	02	0.06	44.501	03	10.9	9.66	03	11.0	B5		F4	97	-14 519
76		8.0A	41 46.174	0.0029	15	-12 42 7.95	-0.071	17	0.31	46.128	18	33.8	6.80	16	33.8	K0	J	11	632	A -13 516
77		9.1A	42 8.501	0.0032	21	-13 53 52.80	-0.029	15	0.34	8.450	18	33.8	52.33	16	33.8	K0	J	12A	727	A -14 521
78		8.6A	42 11.836	-0.0027	17	-11 42 31.79	-0.049	18	0.33	11.879	18	33.8	31.00	16	33.8	F5	J	11	633	A -12 517
79		9.4A	42 13.327	-0.0002	21	-16 33 37.68	-0.010	15	0.34	13.329	18	33.8	37.52	16	33.8	K2	J	12A	728	A -16 497
80		8.8A	42 32.621	0.0052	21	-13 48 33.85	-0.099	15	0.34	32.538	18	33.8	32.25	16	33.8	G0	J	12A	729	A -14 523
81		8.7A	42 38.569	-0.0003	00	-17 59 29.18	0.021	13	0.23	38.574	18	33.8	29.52	16	33.8	F8	J	12B	733	A -18 465
82		8.1A	42 42.927	0.0030	17	-17 47 24.23	-0.035	12	0.29	42.878	18	33.8	23.67	16	33.8	G0	J	12B	734	A -18 466
83		8.9A	42 44.456	0.0004	15	-12 45 46.30	-0.063	17	0.31	44.449	18	33.8	45.28	16	33.8	G5	J	11	634	A -13 519
84		4.6T	42 46.063	0.0229	03	-18 46 59.50	0.042	03	0.18	44.929	09	00.4	+ 1.71	09	97.9	F5		GC	3318	B*-19 518
85		8.0A	42 47.410	-0.0016	18	-12 22 14.05	0.008	20	0.35	47.437	18	33.8	14.18	16	33.8	F0	J	11	635	A -12 519
86		8.2A	42 50.806	0.0028	21	-15 38 14.92	0.025	15	0.34	50.761	18	33.8	15.32	16	33.8	G5	J	12A	730	A -16 498
87		8.5A	43 4.693	0.0002	18	-14 12 2.66	-0.023	13	0.31	4.690	18	33.8	2.29	16	33.8	M2	J	12A	731	A -14 524
88		8.8A	43 10.360	0.0029	17	-10 54 51.91	0.027	18	0.33	10.312	18	33.8	52.35	16	33.8	F0	J	11	637	A -11 520
89		8.9A	43 12.501	0.0002	17	-11 18 53.90	-0.063	18	0.33	12.497	18	33.8	52.88	16	33.8	K2	J	11	638	A -11 522
90		9.2A	43 25.646	0.0203	21	-16 40 7.33	-0.218	15	0.34	25.316	18	33.8	3.80	16	33.8	G5	J	12A	732	A -17 529
91		9.2A	43 39.675	-0.0035	18	-15 24 1.83	0.039	13	0.31	39.732	18	33.8	2.46	16	33.8	G0	J	12A	733	A -15 489
92		8.9A	44 3.724	0.0026	13	-10 1 4.20	-0.004	13	0.28	3.682	18	33.8	4.14	16	33.8	K0	J	11	639	A -10 546
93		9.0A	44 10.028	0.0011	18	-19 6 16.34	0.015	13	0.31	10.011	18	33.8	16.58	16	33.8	F0	J	12B	740	A -19 521
94		8.8A	44 12.629	-0.0009	21	-14 10 57.74	0.011	15	0.34	12.644	18	33.8	57.92	16	33.8	G5	J	12A	734	A -14 527
95		8.6A	44 13.963	0.0080	17	-18 15 2.02	0.045	11	0.28	13.833	18	33.8	2.75	16	33.8	G0	J	12B	742	A -18 472
96		9.1A	44 14.636	0.0018	18	-18 39 19.22	-0.028	13	0.31	14.607	18	33.8	18.77	16	33.8	A0	J	12B	743	A -19 522
97		7.9A	44 30.930	0.0017	18	-15 29 43.45	-0.033	13	0.31	30.903	18	33.8	42.91	16	33.8	K5	J	12A	735	A -15 491
98		9.2A	44 32.469	0.0014	15	-10 4 14.81	0.016	17	0.31	32.446	18	33.8	15.07	16	33.8	F8	J	11	640K	A -10 549
99		9.0A	44 33.089	0.0007	15	-10 4 33.64	0.017	17	0.31	33.077	18	33.8	33.92	16	33.8			11	641K	A -10 549
00		8.4A	44 34.929	0.0037	21	-13 33 0.24	0.038	15	0.34	34.869	18	33.8	0.86	16	33.8	G5	J	12A	736	A -13 525

148600

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ s	σ_μ ".001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ".001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ ".01	ep.	δ_2 ″	σ' ".01	ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	-10° 2H DM NUMBER
1		9.4A	2 44 37.245	-0.0012	21	-14 10 17.54	-0.011	15	0.34	37.265	18	33.8	17.36	16	33.8	G0 J	12A	737	A -14 529
2		9.0A	44 42.266	-0.0022	18	-19 10 12.90	-0.040	13	0.31	42.302	18	33.8	12.26	16	33.8	G5 J	12B	746	A -19 525
3		8.8A	44 47.668	0.0013	18	-15 35 9.61	-0.001	13	0.31	47.646	18	33.8	9.59	16	33.8	+++ J	12A	738	A -15 493
4		9.0A	44 54.975	0.0005	21	-16 10 53.02	-0.020	15	0.34	54.967	18	33.8	52.69	16	33.8	K0 J	12A	740	A -16 502
5		9.4A	44 55.506	0.0019	21	-14 27 39.86	0.012	15	0.34	55.475	18	33.8	40.06	16	33.8	F2 J	12A	739	A -14 531
6		9.2A	45 4.572	-0.0024	15	-18 51 41.03	-0.004	12	0.28	4.611	18	33.8	40.97	16	33.8	K0 J	12B	748	A -19 527
7		8.8A	45 6.078	-0.0005	18	-17 45 48.05	-0.068	13	0.31	6.087	18	33.8	46.95	16	33.8	G0 J	12B	749	A -18 474
8		9.0A	45 8.223	0.0021	17	-17 34 39.95	0.032	12	0.29	8.189	18	33.8	40.47	16	33.8	G0 J	12B	750	A -17 536
9		9.1A	45 19.358	0.0008	15	-12 52 8.55	-0.055	17	0.31	19.345	18	33.8	7.66	16	33.8	G0 J	11	643	A -13 529
10		8.8A	45 19.561	0.0016	17	-18 31 32.12	0.003	13	0.30	19.534	18	33.8	32.18	16	33.8	G5 J	12B	751	A -18 476
11		9.0A	45 31.739	0.0008	20	-18 29 8.00	0.068	15	0.33	31.726	18	33.8	9.10	16	33.8	G5 J	12B	752	A -18 477
12		6.4I	45 32.104	0.0001	11	-12 40 4.33	-0.036	09	0.39	32.100	10	11.7	2.98	09	12.5	MB	GC	3366V	B+-13 530
13		9.0A	45 40.161	-0.0007	18	-18 32 52.37	-0.007	13	0.31	40.172	18	33.8	52.25	16	33.8	A0 J	12B	753	A -18 478
14		9.4A	45 41.743	0.0010	21	-14 26 7.05	-0.004	15	0.34	41.727	18	33.8	6.99	16	33.8	F8 J	12A	743	A -14 533
15		9.1A	45 47.060	0.0020	17	-19 34 34.03	0.011	12	0.28	47.027	16	33.8	34.21	16	33.8	K2 J	13A	754	A -19 529
16		8.8A	45 55.766	-0.0034	15	-18 53 25.05	0.023	12	0.28	55.820	18	33.8	25.43	16	33.8	F2 J	12B	756	A -19 530
17		9.1A	46 8.195	0.0054	18	-19 11 56.43	-0.124	13	0.31	8.107	18	33.8	54.43	16	33.8	G0 J	12B	757	A -19 531
18		9.0A	46 9.088	0.0005	21	-13 33 18.99	-0.003	15	0.34	9.080	18	33.8	18.94	16	33.8	G5 J	12A	744	A -13 535
19		7.9A	46 19.589	0.0010	18	-17 1 7.52	0.004	13	0.31	19.572	18	33.8	7.58	16	33.8	G5 J	12A	745	A -17 540
20		8.3A	46 35.372	0.0007	18	-19 14 3.91	-0.057	13	0.31	35.360	18	33.8	3.00	16	33.8	M3 J	12B	759	A -19 533
21		9.2A	46 47.014	-0.0006	21	-15 1 1.51	-0.023	15	0.34	47.022	18	33.8	1.14	16	33.8	G5 J	12A	746	A -15 497
22		8.0B	46 54.239	0.0071	12	-10 45 25.90	-0.060	07	0.56	53.886	24	00.4	22.29	21	09.9	G0	GC	3382K	B+-11 529
23		9.0A	46 55.869	0.0070	21	-14 54 26.01	-0.067	15	0.34	55.755	18	33.8	24.93	16	33.8	K0 J	12A	747	A -15 498
24		8.8A	46 59.207	0.0014	21	-16 20 59.03	-0.027	15	0.34	59.184	18	33.8	58.59	16	33.8	K0 J	12A	748	A -16 509
25		9.0A	47 1.544	-0.0005	21	-17 1 50.51	-0.009	15	0.34	1.552	18	33.8	50.37	16	33.8	A2 J	12A	749	A -17 542
26		8.5A	47 1.663	-0.0013	21	-17 21 23.38	-0.010	15	0.34	1.684	18	33.8	23.22	16	33.8	K0 J	12A	750	A -17 543
27		8.8A	47 7.825	0.0036	21	-16 41 23.82	0.002	15	0.34	7.770	18	33.8	23.85	16	33.8	G0 J	12A	751	A -17 544
28		9.1A	47 13.920	0.0002	21	-16 53 20.50	-0.007	15	0.34	13.916	18	33.8	20.39	16	33.8	G0 J	12A	752	A -17 545
29		8.0A	47 22.855	0.0011	11	-17 29 11.11	0.024	09	0.23	22.837	18	33.8	11.50	16	33.8	K5 J	12B	762	A -17 547
30		7.5A	47 35.319	0.0015	18	-14 3 9.59	0.016	13	0.31	35.294	18	33.8	9.85	16	33.8	K0 J	12A	754	A -14 541
31		9.0A	47 39.906	0.0019	18	-13 54 26.71	0.016	13	0.31	39.875	18	33.8	26.97	16	33.8	G5 J	12A	755	A -14 543
32		9.0A	47 40.729	-0.0003	12	-18 40 20.81	0.018	11	0.25	40.733	18	33.8	21.11	16	33.8	A5 J	12B	766	A -19 536
33		8.6A	47 58.201	0.0042	15	-11 44 14.82	-0.075	17	0.31	58.134	18	33.8	13.61	16	33.8	G0 J	11	648	A -12 531
34		8.8A	48 6.794	0.0033	17	-11 44 25.12	-0.025	18	0.33	6.739	18	33.8	24.72	16	33.8	G0 J	11	649	A -12 532
35		9.2A	48 8.429	0.0064	21	-14 42 20.30	-0.052	15	0.34	8.325	18	33.8	19.45	16	33.8	G5 J	12A	756	A -15 502
36		8.8A	48 20.466	0.0003	21	-16 19 16.39	-0.045	15	0.34	20.461	18	33.8	15.66	16	33.8	K0 J	12A	757	A -16 510
37		8.8A	48 33.831	0.0054	18	-15 35 10.59	0.081	13	0.31	33.743	18	33.8	11.90	16	33.8	G5 J	12A	758	A -15 505
38		9.0A	48 38.868	0.0014	15	-10 27 28.89	-0.079	17	0.31	38.846	18	33.8	27.61	16	33.8	G0 J	11	650	A -10 566
39		9.0A	48 39.435	0.0018	18	-15 42 27.08	0.007	13	0.31	39.405	18	33.8	27.19	16	33.8	G0 J	12A	759	A -16 513
40		9.0A	48 44.003	0.0020	18	-19 26 2.49	0.020	13	0.30	43.970	16	33.8	2.82	16	33.8	F2 J	13A	771	A -19 541
41		9.3A	49 9.663	-0.0020	17	-15 38 52.00	0.013	11	0.28	9.695	18	33.8	52.20	16	33.8	F5 J	12A	760	A -16 517
42		7.9A	49 30.111	0.0006	18	-17 27 20.33	0.043	13	0.31	30.101	18	33.8	21.03	16	33.8	K0 J	12B	775	A -17 554
43		8.0A	49 40.662	0.0012	18	-18 33 56.46	0.002	13	0.31	40.642	18	33.8	56.50	16	33.8	F2 J	12B	778	A -18 486
44		8.8A	49 49.969	0.0027	17	-13 17 18.93	0.021	18	0.33	49.925	18	33.8	19.27	16	33.8	G5 J	11	651	A -13 543
45		8.1A	50 5.639	0.0046	17	-18 12 57.11	-0.033	12	0.29	5.565	18	33.8	56.57	16	33.8	F5 J	12B	779	A -18 488
46		9.1A	50 6.031	0.0021	17	-18 57 24.15	-0.006	12	0.29	5.998	18	33.8	24.06	16	33.8	K5 J	12B	780	A -19 549
47		6.1T	50 7.398	0.0266	14	-12 58 16.17	-0.172	11	0.68	6.079	21	00.4	6.93	19	96.3	G5	GC	3449	B+-13 544
48		9.3A	50 9.124	0.0017	21	-14 21 13.18	-0.012	15	0.34	9.057	18	33.8	13.02	16	33.8	K5 J	12A	762	A -14 551
49		9.0A	50 13.313	-0.0005	17	-12 10 11.44	0.021	18	0.33	13.322	18	33.8	11.78	16	33.8	F8 J	11	653	A -12 540
50		8.8A	50 26.065	-0.0003	17	-18 39 0.79	0.015	12	0.29	26.070	18	33.8	1.02	16	33.8	K5 J	12B	782	A -19 550
51		8.0T	2 50 27.215	0.0037	13	-16 49 22.30	0.013	11	0.56	27.056	19	07.6	22.91	18	02.8	F0	GC	3457	-17 557
52		8.9A	50 31.633	-0.0016	15	-13 17 55.92	-0.013	17	0.31	31.660	18	33.8	55.71	16	33.8	G5 J	11	655	A -13 546
53		9.4A	50 45.654	-0.0016	21	-16 52 24.86	-0.021	15	0.34	45.680	18	33.8	24.52	16	33.8	K5 J	12A	764	A -17 558
54		9.4A	51 6.950	-0.0042	21	-14 27 48.62	-0.038	15	0.34	7.018	18	33.8	48.01	16	33.8	G0 J	12A	765	A -14 555
55		9.2A	51 10.866	0.0005	13	-13 34 54.16	0.025	17	0.30	10.858	18	33.8	54.59	16	33.8	K0 J	11	656	A -13 550
56		9.1A	51 15.149	0.0003	17	-18 53 40.78	0.025	12	0.29	15.144	18	33.8	41.19	16	33.8	K2 J	12B	785	A -19 553
57		9.4A	51 15.825	0.0004	21	-15 41 54.68	-0.006	15	0.34	15.818	18	33.8	54.58	16	33.8	K2 J	12A	766	A -16 524
58		9.0A	51 22.228	0.0029	18	-16 15 20.81	-0.018	13	0.31	22.181	18	33.8	20.52	16	33.8	A2 J	12A	767	A -16 525
59		9.0A	51 34.570	-0.0006	18	-13 33 29.88	0.003	13	0.31	34.580	18	33.8	29.93	16	33.8	G5 J	12A	768	A -13 552
60		6.9T	51 41.928	-0.0010	11	-10 38 42.98	-0.006	10	0.64	41.983	19	93.8	42.62	18	90.0	F5	GC	3483	-11 546
61		8.0A	51 49.152	0.0014	15	-11 17 32.15	-0.006	17	0.31	49.128	18	33.8	32.05	16	33.8	A0 J	11	659	A -11 547
62		9.0A	52 12.598	0.0003	21	-16 59 39.41	-0.026	15	0.34	12.593	18	33.8	38.99	16	33.8	G0 J	12A	769	A -17 563
63		7.2T	52 32.054	-0.0007	14	-14 13 37.09	0.002	12	0.66	32.087	21	04.2	37.19	19	02.0	F0	GC	3507	-14 557
64		9.2A	52 38.344	0.0072	21	-16 6 27.57	0.009	15	0.34	38.227	18	33.8	27.71	16	33.8	G0 J	12A	771	A -16 530
65		8.4A	52 47.325	-0.0007	17	-16 14 57.37	-0.035	12	0.29	47.335	18	33.8	56.80	16	33.8	A2 J	12A	772	A -16 531
66		9.3A	52 53.176	0.0003	21	-14 45 32.41	0.032	15	0.34	53.170	18	33.8	32.92	16	33.8	K0 J	12A	773	A -15 517
67		8.9A	53 7.651	-0.0008	15	-11 54 26.79	0.013	17	0.31	7.661	18	33.8	27.00	16	33.8	F5 J	11	660	A -12 554
68		8.2A	53 13.098	0.0008	18	-13 33 16.84	0.005	20	0.35	13.086	18	33.8	16.72	16	33.8	F8 J	11	661	A -12 555
69		8.9A	53 17.274	-0.0005	18	-19 4 46.92	-0.006	13	0.31	17.282	18	33.8	46.83	16	33.8	K0 J	12B	791	A -19 564
70		8.9A	53 20.137	0.0007	17	-19 20 23.51	-0.012	12	0.29	20.126	18	33.8	23.31	16	33.8	F0 J	12B	792	A -19 565
71		7.3A	53 25.554	0.0024	18	-19 57 28.50	0.012	13	0.30	25.515	16	33.8	28.69	16	33.8	K0 J	13A	794	A -20 546
72		8.0A	53 31.714	0.0026	21	-13 54 5.03	-0.038	15	0.34	31.672	18	33.8	4.41	16	33.8	G5 J	12A	774	A -14 564
73		8.5A	53 34.182	0.0003	17	-16 15 39.15	-0.035	12	0.29	34.177	18	33.8	38.58	16	33.8	K2 J	12A	775	A -16 532
74		9.0A	53 36.445	0.0001	13	-18 57 29.55	-0.017	09	0.25	36.443	18	33.8	29.27	16	33.8	F8 J	12B	795	A -19 566
75		8.6A	53 37.667	-0.0000	21	-17 10 31.38	-0.012	15	0.34	37.667	18	33.8	31.19	16	33.8	K0 J	12A	776	A -17 568
76		8.7A	54 5.950	-0.0028	18	-18 54 14.99	-0.045	13	0.31	5.992	18	33.8	14.27	16	33.8	G5 J	12B	796	A -19 568
77		7.7T	54 7.489	0.0005	18	-15 13 11.00	-0.095	13	0.74	7.469	24	07.5	6.60	22	03.8	A2	GC	3542	-15 519
78		8.3A	54 23.847	0.0033	15	-13 26 23.38	0.045	17	0.31	23.794	18	33.8	24.11	16	33.8	G0 J	11	663	A -13 558
79		8.2A	54 29.553	-0.0010	18	-10 34 30.85	-0.008	20	0.35	29.569	18	33.8	30.72	16	33.8	F0 J	11	664	A -10 580
80		9.0A	54 39.337	0.0001	21	-15 55 30.22	-0.010	15	0.34	39.336	18	33.8	30.06	16	33.8	A0 J	12A	778	A -16 534
81		8.9A	54 49.851	-0.0026	21	-16 49 16.82	-0.040	15	0.34	49.893	18	33.8	16.17	16	33.8	G5 J	12A	779	A -17 571
82		9.0A	54 51.941	0.0022	21	-15 30 27.43	-0.069	15	0.34	51.905	18	33.8	26.31	16	33.8	K0 J	12A	780	A -15 522
83		8.6A	54 59.042	0.0008	18	-13 30 51.50	0.014	13	0.31	59.030	18	33.8	51.73	16	33.8	K2 J	12A	781	A -13 560
84		9.1A	55 2.843	0.0025	15	-10 28 46.13	0.001	17	0.31	2.803	18	33.8	46.15	16	33.8	G0 J	11	666	A -10 581
85		8.6A	55 13.494	0.0060	18	-11 56 39.07	-0.008	20	0.35	13.365	18	33.8	38.94	16	33.8	K0 J	11	667	A -12 564
86		8.7A	55 18.960	-0.0012	12	-19 30 29.96	0.004	11	0.24	18.980	16	33.8	30.02	16	33.8	K0 J	13A	799	A -19 570
87		9.3A	55 32.984	-0.0061	15	-18 38 10.11	0.083	12	0.28	33.083	18	33.8	11.47	16	33.8	G0 J	12B	800	A -19 573
88		9.5A	55 36.824	0.0034	21	-17 23 56.40	-0.007	15	0.34	36.768	18	33.8	56.29	16	33.8	F8 J	12A	782	A -17 576
89		8.2B	55 41.496	0.0111	13	-16 2 24.15	0.135	10	0.57	41.014	18	06.4	30.69	17	01.5	G0	GC	3571K	B+-16 538
90		6.7T	55 48.782	0.0013	16	-12 12 16.94	-0.025	12	0.71	48.721	19	02.7	17.69	18	99.8	G0	GC	3573	-12 566
91		9.0A	55 54.125	0.0037	17	-17 51 6.79	-0.003	12	0.29	54.066	18	33.8	6.74	16	33.8	G0 J	12B	802	A -18 503
92		8.2A	56 1.497	0.0023	15	-13 0 3.37	-0.004	17	0.31	1.461	18	33.8	3.31	16	33.8	F0 J	11	669	A -13 563
93		9.2A	56 7.138	-0.0014	21	-15 59 17.35	-0.016	15	0.34	7.160	18	33.8	17.09	16	33.8	G0 J	12A	784	A -16 539
94		8.5A	56 30.417	0.0069	15	-11 8 55.54	0.127	15	0.30	30.305	18	33.8	57.60	16	33.8	F8 J	11	671	A -11 564
95		8.6A	56 35.879	0.0025	21	-13 32 31.91	0.000	15	0.34	35.838	18	33.8	31.91	16	33.8	M1 J	12A	785	A -13 564
96		9.4A	56 39.705	-0.0015	17	-17 31 17.71	0.066	12	0.29	39.729	18	33.8	18.78	16	33.8	G5 J	12B	803	A -17 578
97		8.8A	56 44.919	-0.0010	21	-15 14 24.26	-0.081	15	0.34	44.935	18	33.8	23.27	16	33.8	K0 J	12A	787	A -15 525
98		8.8A	56 51.731	0.0134	15	-12 46 3.52	-0.003	17	0.31	51.482	18	33.8	3.47	16	33.8	G5 J	11	673K	A -13 565
99		8.8A	56 53.989	-0.0003	15	-11 2 35.89	0.012	17	0.31	53.994	18	33.8	36.09	16	33.8	F8 J	11	674	A -11 566
00		8.0A	57 0.960	-0.0005	15	-10 28 22.43	0.034	17	0.31	0.967	18	33.8	22.98	16	33.8	F5 J	11	675K	A -10 586

148700

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	EPOCH 1950 μ s	EPOCH 1950 σ_μ ″.001	EPOCH 1950 δ_{1950} ° ′ ″	EPOCH 1950 μ' ″	EPOCH 1950 σ'_μ ″.001	EPOCH 1950 σ_{1950} ″	ORIGINAL EPOCH α_2 s	ORIGINAL EPOCH σ ″.01	ORIGINAL EPOCH ep.	ORIGINAL EPOCH δ_2 ″	ORIGINAL EPOCH σ' ″.01	ORIGINAL EPOCH ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	-10° 2H DM NUMBER
1		8.1A	2 57 6.448	0.0024	15	-10 52 48.17	0.029	17	0.31	6.409	18	33.8	48.64	16	33.8	G5 J	11	676	A -11 568
2		9.0A	57 7.082	0.0002	12	-18 20 1.31	-0.019	09	0.24	7.080	18	33.8	1.00	16	33.8	F5 J	12B	804	A -18 508
3		9.3A	57 9.667	0.0026	17	-17 36 42.66	0.010	12	0.29	9.625	18	33.8	42.82	16	33.8	G5 J	12B	805	A -17 579
4		9.2A	57 16.254	-0.0023	21	-15 1 42.12	-0.020	15	0.34	16.291	18	33.8	41.80	16	33.8	K5 J	12A	789	A -15 526
5		8.4A	57 22.488	0.0001	21	-16 55 26.79	-0.032	15	0.34	22.486	18	33.8	26.27	16	33.8	F0 J	12A	790	A -17 580
6		7.4T	57 33.049	-0.0014	17	-13 52 53.04	0.020	14	0.75	33.115	19	03.8	54.00	17	02.1	G5	GC	3605	-14 576
7		9.0A	57 38.066	-0.0016	21	-16 53 48.88	-0.010	15	0.34	38.091	18	33.8	48.72	16	33.8	F5 J	12A	792	A -17 582
8		9.1A	57 40.612	0.0001	18	-19 41 16.58	-0.035	13	0.30	40.610	16	33.8	16.02	16	33.8	F8 J	13A	808	A -20 564
9		8.9A	57 44.719	0.0064	21	-16 15 54.79	0.014	15	0.34	44.614	18	33.8	55.01	16	33.8	K0 J	12A	793	A -16 543
10		8.2A	57 48.517	-0.0001	17	-13 15 47.68	0.021	18	0.33	48.519	18	33.8	48.02	16	33.8	G5 J	11	678	A -13 570
11		9.2A	57 49.477	0.0032	18	-19 4 4.55	-0.015	13	0.31	49.425	18	33.8	4.32	16	33.8	K0 J	12B	809	A -19 581
12		8.1A	57 54.817	0.0015	17	-11 39 23.86	0.011	18	0.33	54.792	18	33.8	24.04	16	33.8	G5 J	11	679	A -12 576
13		8.6A	57 55.976	0.0002	15	-11 29 28.59	0.034	17	0.31	55.975	18	33.8	28.04	16	33.8	G5 J	11	680K	A -11 571
14		7.9A	58 28.902	-0.0006	15	-10 13 54.33	-0.061	17	0.31	28.911	18	33.8	53.34	16	33.8	G0 J	11	681	A -10 591
15		7.4A	58 48.133	0.0002	17	-18 3 46.51	0.021	12	0.29	48.129	18	33.8	46.85	16	33.8	K0 J	12B	814	A -18 512
16		8.9A	58 50.615	0.0010	15	-10 31 37.22	-0.023	15	0.30	50.599	18	33.8	36.85	16	33.8	G0 J	11	682	A -10 592
17		8.2A	59 1.270	-0.0015	21	-17 25 40.95	0.091	15	0.34	1.294	18	33.8	42.43	16	33.8	G0 J	12A	794	A -17 587
18		9.2A	59 11.845	0.0069	17	-17 55 0.55	0.014	11	0.28	11.733	18	33.8	0.78	16	33.8	F5 J	12B	816	A -18 514
19		9.6A	59 22.724	0.0021	21	-15 1 21.64	-0.007	15	0.34	22.690	18	33.8	21.52	16	33.8	G0 J	12A	795	A -15 531
20		9.0A	59 27.281	0.0001	15	-10 22 51.89	0.041	17	0.31	27.279	18	33.8	52.56	16	33.8	K2 J	11	683	A -10 593
21		6.0T	59 30.623	0.0029	15	-10 9 27.90	-0.011	15	0.73	30.489	21	03.9	27.39	21	03.4	G5	GC	3642	-10 594
22		9.2A	59 35.473	0.0033	13	-12 30 10.26	-0.029	13	0.28	35.418	18	33.8	9.79	16	33.8	G0 J	11	685	A -12 579
23		8.2A	59 36.609	0.0031	18	-19 32 41.05	0.026	13	0.30	36.559	16	33.8	41.46	16	33.8	K5 J	13A	818	A -19 591
24		7.4H	59 44.579	-0.0030	03	-18 24 12.31	-0.037	03	0.10	44.657	05	24.4	11.37	05	24.6	F0	F4	1084	-18 516
25		8.7A	59 53.752	0.0017	15	-12 49 25.43	-0.022	18	0.32	53.724	18	33.8	25.08	16	33.8	F8 J	11	686	A -13 575
26		8.2A	59 55.264	0.0008	20	-17 40 11.77	0.019	15	0.33	55.251	18	33.8	12.08	16	33.8	K0 J	12B	820	A -18 517
27		9.0A	3 0 0.884	0.0004	21	-14 26 56.49	-0.026	15	0.34	0.878	18	33.8	56.07	16	33.8	A2 J	12A	797	A -14 589
28		8.2A	0 5.599	-0.0005	21	-13 43 38.89	0.016	15	0.34	5.607	18	33.8	39.15	16	33.8	G5 J	12A	798	A -14 591
29		8.7A	0 6.590	-0.0002	15	-12 36 43.42	-0.028	17	0.31	6.593	18	33.8	42.97	16	33.8	K0 J	11	688	A -12 581
30		9.0A	0 6.988	0.0028	18	-18 19 45.47	-0.025	13	0.31	6.943	18	33.8	45.07	16	33.8	K0 J	12B	823	A -18 520
31		8.3A	0 11.633	0.0069	21	-15 28 8.43	0.050	15	0.34	11.522	18	33.8	9.24	16	33.8	G5 J	12A	799	A -15 532
32		9.2A	0 20.763	-0.0003	21	-14 49 20.54	0.013	15	0.34	20.767	18	33.8	20.74	16	33.8	K5 J	12A	801	A -15 533
33		8.8A	0 27.756	0.0107	18	-14 35 34.86	0.090	13	0.31	27.582	18	33.8	36.31	16	33.8	G0 J	12A	802	A -14 593
34		9.1A	0 28.999	-0.0003	18	-18 38 7.69	-0.012	13	0.31	29.003	18	33.8	7.50	16	33.8	F2 J	12B	825	A -19 593
35		8.5A	0 44.306	-0.0019	17	-18 25 33.65	0.005	11	0.28	44.338	18	33.8	33.73	16	33.8	G5 J	12B	827	A -18 523
36		8.8A	0 48.814	-0.0008	18	-18 42 5.14	0.003	15	0.32	48.827	18	33.8	5.20	16	33.8	K0 J	12B	828	A -19 594
37		8.7A	0 51.477	-0.0003	18	-18 16 9.91	-0.017	13	0.31	51.482	18	33.8	9.64	16	33.8	F0 J	12B	829	A -18 524
38		8.2A	1 0.356	-0.0035	15	-19 47 44.31	-0.010	12	0.27	0.412	16	33.8	44.47	16	33.8	K0 J	13A	830	A -20 574
39		7.2T	1 7.719	-0.0011	12	-11 10 5.90	-0.098	12	0.62	7.773	18	00.5	1.03	18	00.3	F8	GC	3663K	B*-11 579
40		8.4A	1 19.754	-0.0019	18	-19 46 42.65	-0.018	13	0.30	19.784	16	33.8	42.35	16	33.8	F2 J	13A	832	A -20 576
41		8.9A	1 25.535	-0.0004	15	-13 20 49.57	-0.012	17	0.31	25.542	18	33.8	49.38	16	33.8	F8 J	11	690	A -13 578
42		9.0A	1 26.486	0.0048	21	-14 44 57.41	-0.062	15	0.34	26.409	18	33.8	56.40	16	33.8	G0 J	12A	803	A -15 535
43		7.8A	1 41.412	0.0041	18	-17 55 56.92	-0.021	13	0.31	41.345	18	33.8	56.58	16	33.8	F0 J	12B	834	A -18 527
44		8.7A	1 45.138	0.0004	15	-10 38 50.02	0.058	17	0.31	45.131	18	33.8	50.96	16	33.8	F5 J	11	691	A -11 583
45		9.2A	1 56.309	-0.0001	21	-15 16 25.30	-0.043	15	0.34	56.310	18	33.8	24.60	16	33.8	G0 J	12A	805	A -15 537
46		9.0A	1 59.414	0.0052	15	-10 2 48.56	-0.001	17	0.31	59.330	18	33.8	48.55	16	33.8	F8 J	11	692	A -10 601
47		8.4A	2 8.011	-0.0026	15	-11 12 9.18	-0.026	15	0.30	8.052	18	33.8	8.76	16	33.8	K2 J	11	693	A -11 585
48		9.0A	2 11.118	-0.0047	15	-11 6 33.78	0.006	17	0.31	11.195	18	33.8	33.88	16	33.8	K0 J	11	694	A -11 586
49		8.6A	2 21.841	-0.0005	15	-10 22 19.75	0.011	17	0.31	21.849	18	33.8	19.93	16	33.8	K2 J	11	695	A -10 602
50		8.3A	2 26.225	-0.0004	15	-12 21 51.00	-0.065	17	0.31	26.232	18	33.8	49.95	16	33.8	F5 J	11	696	A -12 590
51		9.1A	3 2 29.957	-0.0065	15	-13 1 53.19	-0.098	17	0.31	30.062	18	33.8	51.60	16	33.8	G5 J	11	697	A -13 584
52		9.1A	2 33.386	0.0003	20	-17 45 23.73	0.009	15	0.33	33.381	18	33.8	23.88	16	33.8	F5 J	12B	841	A -18 530
53		8.2A	2 43.182	0.0004	21	-14 36 34.10	0.036	15	0.34	43.175	18	33.8	34.69	16	33.8	G5 J	12A	807	A -14 598
54		8.8A	2 46.953	0.0033	15	-11 40 52.49	0.007	15	0.30	46.899	18	33.8	52.61	16	33.8	K0 J	11	698	A -12 592
55		9.0A	2 58.132	-0.0019	15	-12 55 0.60	0.015	17	0.31	55.162	18	33.8	0.84	16	33.8	K0 J	11	699	A -13 585
56		7.3A	2 55.874	-0.0012	12	-19 16 25.42	-0.058	11	0.25	55.893	18	33.8	24.49	16	33.8	K0 J	12B	842	A -19 600
57		9.0A	3 2.602	0.0005	21	-14 32 30.72	0.006	15	0.34	2.594	18	33.8	30.81	16	33.8	K5 J	12A	808	A -14 599
58		8.9A	3 7.436	-0.0006	15	-13 15 30.58	-0.021	17	0.31	7.447	18	33.8	30.24	16	33.8	G5 J	11	700	A -13 587
59		7.3T	3 12.278	-0.0013	17	-16 48 3.96	-0.020	16	0.84	12.339	26	01.8	2.96	22	00.4	F2	GC	3706	-17 597
60		9.2A	3 26.272	-0.0004	21	-17 2 2.79	-0.084	15	0.34	26.278	18	33.8	1.43	16	33.8	G5 J	12A	810	A -17 598
61		8.7A	3 31.032	0.0027	15	-11 32 42.13	-0.015	17	0.31	30.989	18	33.8	41.89	16	33.8	G5 J	11	701	A -11 592
62		9.0A	3 34.852	0.0008	17	-18 0 21.24	-0.009	12	0.29	34.839	18	33.8	21.10	16	33.8	K0 J	12B	845	A -18 533
63		8.9A	3 36.850	0.0003	18	-14 50 2.65	0.017	13	0.31	36.845	18	33.8	2.92	16	33.8	M0 J	12A	811	A -15 539
64		9.2A	3 37.852	-0.0041	21	-15 8 18.84	-0.051	15	0.34	37.918	18	33.8	18.01	16	33.8	G0 J	12A	812	A -15 540
65		9.1A	3 38.473	0.0005	17	-13 42 39.10	0.015	18	0.33	38.465	18	33.8	39.35	16	33.8	K5 J	11	702	A -14 600
66		9.2A	3 44.751	0.0011	18	-19 23 7.68	-0.039	13	0.31	44.732	18	33.8	7.06	16	33.8	F5 J	12B	846	A -19 603
67		8.8A	3 45.752	-0.0028	15	-19 28 50.14	-0.011	12	0.27	45.798	16	33.8	49.97	16	33.8	K5 J	13A	847	A -19 604
68		8.3A	3 53.258	-0.0009	15	-13 26 58.38	-0.014	17	0.31	53.273	18	33.8	58.16	16	33.8	K5 J	11	704	A -13 591
69		9.0A	4 4.417	0.0040	21	-15 11 44.87	-0.037	15	0.34	4.352	18	33.8	44.27	16	33.8	G5 J	12A	814	A -15 541
70		8.6A	4 7.752	-0.0009	17	-16 23 39.24	-0.006	12	0.29	7.767	18	33.8	39.14	16	33.8	K0 J	12A	815	A -16 561
71		6.8T	4 8.310	0.0002	11	-10 26 39.32	-0.021	12	0.62	8.299	19	98.0	38.28	17	00.7	G5	GC	3719	-10 610
72		8.0A	4 19.203	0.0029	13	-13 30 38.99	-0.048	09	0.59	19.071	24	04.1	36.52	22	98.4	F5	GC	3722K	B*-13 592
73		8.2A	4 19.340	-0.0015	13	-17 40 3.38	-0.018	11	0.26	19.363	18	33.8	3.09	16	33.8	F0 J	12B	849	A -18 536
74		9.2A	4 20.790	0.0032	21	-15 4 5.49	-0.052	15	0.34	20.738	18	33.8	4.64	16	33.8	F5 J	12A	817	A -15 542
75		8.4A	4 30.377	-0.0008	17	-18 58 8.63	-0.038	11	0.28	30.390	18	33.8	8.02	16	33.8	K0 J	12B	850	A -19 609
76		9.4A	4 31.761	0.0034	21	-14 58 1.97	-0.018	15	0.34	31.705	18	33.8	1.67	16	33.8	K0 J	12A	819	A -15 543
77		9.0A	4 44.977	0.0015	17	-16 31 27.76	0.003	15	0.31	44.952	18	33.8	27.81	16	33.8	K0 J	12A	820	A -16 566
78		8.7A	4 47.011	-0.0006	15	-12 40 51.48	0.036	17	0.31	47.022	18	33.8	52.07	16	33.8	G0 J	11	707	A -13 593
79		9.2A	4 55.232	0.0007	21	-16 42 16.02	-0.022	15	0.34	55.221	18	33.8	15.66	16	33.8	F0 J	12A	822	A -17 602
80		7.2H	4 56.824	-0.0004	03	-13 56 58.98	-0.259	03	0.09	56.833	05	26.0	52.46	05	24.8	G0	F4	1087	-14 604
81		8.5A	5 14.527	-0.0033	17	-18 12 43.02	-0.040	12	0.29	14.580	18	33.8	42.37	16	33.8	K0 J	12B	852	A -18 540
82		9.1A	5 28.272	0.0003	18	-19 29 10.91	-0.017	13	0.30	28.268	16	33.8	10.63	16	33.8	G5 J	13A	853	A -19 612
83		9.1A	5 30.053	0.0030	18	-15 9 25.00	-0.048	13	0.31	30.004	18	33.8	24.22	16	33.8	F5 J	12A	823	A -15 547
84		9.2A	5 35.085	-0.0040	18	-17 32 18.76	-0.034	12	0.30	35.149	18	33.8	18.21	16	33.8	G0 J	12B	854	A -17 603
85		7.8A	5 37.533	0.0094	15	-12 13 57.61	0.081	17	0.31	37.381	18	33.8	58.92	16	33.8	G0 J	11	708	A -12 600
86		8.5A	5 51.245	0.0022	15	-10 24 2.88	0.079	17	0.31	51.209	18	33.8	4.16	16	33.8	F8 J	11	709	A -10 618
87		7.6A	5 52.710	-0.0008	18	-19 29 36.66	-0.007	13	0.30	52.723	16	33.8	36.56	16	33.8	M0 J	13A	855	A -19 616
88		8.8A	5 53.785	0.0058	15	-12 47 4.33	0.015	17	0.31	53.691	18	33.8	4.58	16	33.8	G5 J	11	710K	A -13 596
89		8.8A	6 2.948	-0.0011	15	-19 52 11.96	-0.048	11	0.26	2.967	16	33.8	11.18	16	33.8	G0 J	13A	857	A -20 589
90		9.2A	6 36.218	-0.0015	17	-16 12 48.90	-0.056	12	0.29	36.242	18	33.8	47.99	16	33.8	F8 J	12A	825	A -16 572
91		7.3A	6 37.229	0.0012	18	-19 9 33.93	0.005	13	0.31	37.209	18	33.8	34.01	16	33.8	A0 J	12B	860	A -19 617
92		9.0A	6 50.023	-0.0001	18	-19 4 10.85	0.002	13	0.31	50.025	18	33.8	10.89	16	33.8	G0 J	12B	862	A -19 618
93		9.2A	6 50.708	-0.0000	21	-15 52 4.77	-0.025	15	0.34	50.708	18	33.8	4.36	16	33.8	K0 J	12A	826	A -16 573
94		8.2A	6 52.120	0.0048	15	-11 55 14.34	0.033	17	0.31	52.042	18	33.8	14.87	16	33.8	G0 J	11	712	A -12 603
95		8.5A	6 59.055	-0.0026	17	-16 12 25.28	-0.159	12	0.29	59.097	18	33.8	22.70	16	33.8	F5 J	12A	827	A -16 574
96		8.7A	7 4.743	0.0006	18	-13 32 14.23	0.017	13	0.31	4.734	18	33.8	14.51	16	33.8	F2 J	12A	828	A -13 599
97		9.2A	7 7.911	0.0013	15	-10 24 18.40	0.022	17	0.31	7.890	18	33.8	18.76	16	33.8	G5 J	11	714	A -10 625
98		8.8A	7 17.746	0.0003	18	-18 15 18.76	-0.018	13	0.31	17.741	18	33.8	18.47	16	33.8	K2 J	12B	864	A -18 545
99		8.9A	7 18.126	0.0011	18	-19 13 10.34	-0.011	13	0.31	18.108	18	33.8	10.17	16	33.8	K2 J	12B	865	A -19 619
00		9.1A	7 21.025	-0.0020	15	-18 38 17.93	-0.001	12	0.28	21.058	18	33.8	17.92	16	33.8	G0 J	12B	866	A -19 620

148800

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ_s s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	-10° 3H DM NUMBER
1		7.7A	3 7 32.368	-0.0004	18	-19 38 51.82	-0.066	13	0.30	32.375	16	33.8	50.75	16	33.8	K0 J	13A	868	A -20 592
2		9.1A	7 40.877	0.0024	15	-17 59 34.99	0.007	13	0.29	40.838	18	33.8	35.10	16	33.8	K5 J	12B	869	A -18 548
3		9.2A	7 45.796	0.0025	21	-15 52 15.49	-0.011	15	0.34	45.755	18	33.8	15.31	16	33.8	K0 J	12A	829	A -16 578
4		9.2A	8 2.352	0.0017	18	-13 33 52.15	0.019	13	0.31	2.324	18	33.8	52.46	16	33.8	F0 J	12A	830	A -13 601
5		8.8A	8 2.653	0.0030	21	-16 29 21.79	0.028	15	0.34	2.605	18	33.8	22.24	16	33.8	G5 J	12A	831	A -16 580
6		9.0A	8 5.907	0.0025	21	-15 52 18.72	-0.019	15	0.34	5.866	18	33.8	18.41	16	33.8	K2 J	12A	832	A -16 581
7		8.8A	8 9.843	0.0020	15	-11 50 7.97	0.009	17	0.31	9.911	18	33.8	8.12	16	33.8	F5 J	11	717	A -12 606
8		8.1A	8 17.417	0.0028	21	-14 36 7.60	0.014	15	0.34	17.371	18	33.8	7.82	16	33.8	A0 J	12A	833	A -14 611
9		8.5A	8 21.612	0.0011	21	-15 37 29.51	-0.022	15	0.34	21.594	18	33.8	29.15	16	33.8	K0 J	12A	834	A -15 551
10		7.2T	8 27.175	0.0070	14	-11 18 43.34	-0.108	13	0.62	26.866	17	06.0	38.57	15	05.8	G5	GC	3798	-11 603
11		9.1A	8 27.498	0.0018	15	-13 16 37.15	-0.010	15	0.30	27.468	18	33.8	36.99	16	33.8	K0 J	11	719	A -13 603
12		8.8A	8 29.887	-0.0014	20	-13 45 28.66	0.024	12	0.31	29.909	18	33.8	29.05	16	33.8	F5 J	12A	835	A -14 612
13		9.2A	8 32.730	0.0037	21	-17 20 33.22	0.002	15	0.34	32.668	18	33.8	33.25	16	33.8	G0 J	12A	836	A -17 611
14		8.4A	8 35.138	0.0051	15	-11 17 17.81	0.062	15	0.30	35.056	18	33.8	18.81	16	33.8	A3 J	11	721	A -11 604
15		8.8A	8 35.437	0.0054	18	-18 30 24.26	-0.002	00	0.27	35.349	18	33.8	24.22	16	33.8	G0 J	12B	875	A -18 549
16		6.5T	8 43.107	0.0009	16	-13 27 8.46	0.035	16	0.80	43.064	24	02.4	10.15	24	01.8	G0	GC	3804	-13 604
17		8.9A	8 50.252	-0.0000	17	-13 3 28.51	0.090	18	0.33	50.253	18	33.8	29.97	16	33.8	G0 J	11	723	A -13 605
18		9.0A	8 52.276	0.0007	21	-17 15 12.09	-0.005	15	0.34	52.265	18	33.8	12.01	16	33.8	F5 J	12A	837	A -17 612
19		9.2A	8 53.963	0.0012	18	-17 37 22.02	-0.028	13	0.31	53.943	18	33.8	21.57	16	33.8	A3 J	12B	878	A -17 613
20		9.0A	8 55.560	0.0031	21	-15 55 44.12	0.020	15	0.34	55.509	18	33.8	44.44	16	33.8	F2 J	12A	838	A -16 586
21		6.3T	8 57.292	-0.0014	12	-16 12 46.38	-0.018	12	0.61	57.359	21	04.0	45.50	19	01.8	K0	GC	3811	-16 587
22		7.6A	9 9.103	0.0000	18	-13 42 37.94	-0.090	13	0.31	9.103	18	33.8	36.48	16	33.8	F5 J	12A	841	A -14 617
23		8.3A	9 24.279	0.0023	21	-16 45 53.15	-0.001	15	0.34	24.242	18	33.8	53.14	16	33.8	K0 J	12A	842	A -17 614
24		8.1A	9 26.113	0.0033	21	-15 6 48.59	-0.006	15	0.34	26.060	18	33.8	48.49	16	33.8	K0 J	12A	843	A -15 554
25		8.9A	9 27.722	-0.0005	20	-17 53 56.62	-0.005	15	0.33	27.731	18	33.8	56.54	16	33.8	G0 J	12B	881	A -18 553
26		8.7A	9 32.404	0.0000	15	-13 6 12.65	-0.017	17	0.31	32.403	18	33.8	12.38	16	33.8	F5 J	11	725	A -13 607
27		9.2A	9 33.575	0.0006	18	-18 43 44.04	-0.022	12	0.30	33.565	18	33.8	43.69	16	33.8	K2 J	12B	882	A -19 626
28		8.8A	9 42.206	0.0009	15	-11 50 8.10	0.007	17	0.31	42.191	18	33.8	8.22	16	33.8	F5 J	11	726	A -12 611
29		8.9A	9 44.809	0.0031	21	-14 25 37.50	-0.010	15	0.34	44.759	18	33.8	37.34	16	33.8	K0 J	12A	844	A -14 620
30		9.1A	9 51.362	-0.0035	18	-19 0 46.50	0.015	15	0.32	51.419	18	33.8	46.74	16	33.8	A5 J	12B	884	A -19 627
31		8.0A	9 56.541	0.0031	17	-16 14 42.92	-0.018	15	0.31	56.490	18	33.8	42.63	16	33.8	K0 J	12A	845	A -16 590
32		9.3A	9 59.134	-0.0002	17	-12 7 51.90	-0.110	18	0.33	59.137	18	33.8	50.12	16	33.8	K0 J	11	727	A -12 613
33		8.6A	10 5.328	0.0008	17	-11 48 7.68	0.017	18	0.33	5.315	18	33.8	7.96	16	33.8	K5 J	11	728	A -12 614
34		9.4A	10 7.975	-0.0044	21	-16 48 6.27	0.032	15	0.34	8.045	18	33.8	6.79	16	33.8	G5 J	12A	846	A -17 615
35		8.7A	10 17.590	-0.0014	21	-16 57 52.87	-0.012	15	0.34	17.613	18	33.8	52.68	16	33.8	K0 J	12A	848	A -17 616
36		8.7A	10 17.924	0.0043	17	-16 10 5.92	0.004	15	0.31	17.853	18	33.8	5.98	16	33.8	F5 J	12A	847	A -16 593
37		9.0A	10 23.462	0.0015	17	-18 24 3.46	-0.011	12	0.29	23.438	18	33.8	3.28	16	33.8	F5 J	12B	886	A -18 555
38		8.8A	10 38.063	-0.0004	18	-18 37 31.20	-0.022	13	0.31	38.070	18	33.8	30.85	16	33.8	F5 J	12B	887	A -18 556
39		9.0A	10 47.638	-0.0010	18	-18 43 37.84	0.015	15	0.32	47.655	18	33.8	38.10	16	33.8	A5 J	12B	889	A -19 630
40		8.9A	10 48.306	-0.0001	13	-12 54 39.46	0.030	15	0.29	48.308	18	33.8	39.95	16	33.8	K2 J	11	729	A -13 609
41		8.9A	10 51.359	0.0030	18	-17 48 59.89	-0.005	13	0.31	51.310	18	33.8	59.81	16	33.8	K2 J	12B	890	A -18 560
42		8.3A	10 57.430	0.0013	15	-10 11 0.17	0.016	17	0.31	57.408	18	33.8	0.43	16	33.8	A2 J	11	730	A -10 638
43		8.9A	11 9.147	0.0006	15	-17 48 16.19	0.009	12	0.28	9.136	18	33.8	16.34	16	33.8	G5 J	12B	891	A -18 561
44		8.9A	11 9.848	0.0004	15	-11 41 57.40	0.034	15	0.30	9.841	18	33.8	57.95	16	33.8	F8 J	11	731	A -12 618
45		7.7A	11 15.386	0.0034	18	-13 49 31.81	0.025	13	0.31	15.330	18	33.8	32.22	16	33.8	A2 J	12A	851	A -14 625
46		8.6A	11 21.141	0.0001	15	-18 53 28.97	0.007	12	0.28	21.139	18	33.8	29.09	16	33.8	K2 J	12B	893	A -19 633
47		8.8A	11 21.834	0.0049	17	-17 13 15.72	-0.023	10	0.62	21.635	18	09.6	14.63	18	03.1	F2	GC	3858	-17 623
48		9.1A	11 34.356	0.0037	15	-12 26 52.21	-0.039	15	0.30	34.296	18	33.8	51.58	16	33.8	G5 J	11	732	A -12 619
49		9.4A	11 43.766	-0.0015	21	-17 17 2.59	-0.027	15	0.34	43.790	18	33.8	2.15	16	33.8	A5 J	12A	853	A -17 626
50		8.2A	11 46.591	0.0016	17	-18 3 5.58	0.008	12	0.29	46.566	18	33.8	5.71	16	33.8	K0 J	12B	894	A -18 563
51		9.0A	3 11 56.830	0.0021	21	-16 51 3.72	-0.037	15	0.34	56.795	18	33.8	3.12	16	33.8	K0 J	12A	854	A -17 629
52		9.0A	11 57.344	-0.0020	15	-10 23 28.20	-0.020	15	0.30	57.376	18	33.8	27.88	16	33.8	F8 J	11	733	A -10 640
53		8.9A	12 12.981	0.0017	21	-15 1 21.26	-0.053	15	0.34	12.954	18	33.8	20.40	16	33.8	G5 J	12A	855	A -15 562
54		9.0A	12 27.748	-0.0001	21	-15 26 57.48	-0.000	15	0.34	27.750	18	33.8	57.48	16	33.8	G5 J	12A	856	A -15 563
55		8.4A	12 28.993	0.0023	21	-14 37 40.10	-0.008	15	0.34	28.955	18	33.8	39.96	16	33.8	K0 J	12A	857	A -14 627
56		9.3A	12 36.019	-0.0006	17	-15 49 32.04	0.008	12	0.29	36.029	18	33.8	32.17	16	33.8	K5 J	12A	858	A -16 600
57		8.6A	12 38.498	-0.0002	13	-13 9 16.13	0.043	15	0.29	38.501	18	33.8	16.83	16	33.8	G5 J	11	735	A -13 615
58		8.1A	12 43.360	0.0035	21	-14 0 44.49	-0.017	15	0.34	43.303	18	33.8	44.22	16	33.8	G5 J	12A	859	A -14 629
59		7.8A	12 53.493	0.0022	15	-13 10 18.58	0.015	17	0.31	53.457	18	33.8	18.83	16	33.8	K0 J	11	736	A -13 617
60		8.8A	12 56.136	0.0012	21	-13 40 29.28	0.022	15	0.34	56.117	18	33.8	29.64	16	33.8	G0 J	12A	860	A -14 630
61		7.3T	13 12.301	0.0009	20	-18 21 29.31	-0.011	17	0.88	12.263	26	05.1	28.79	24	02.7	F0	GC	3895	-18 569
62		8.8A	13 12.945	0.0002	21	-16 44 20.34	0.015	15	0.34	12.941	18	33.8	20.59	16	33.8	A3 J	12A	861	A -17 630
63		9.0A	13 22.262	0.0003	15	-19 31 41.45	0.005	12	0.27	22.257	16	33.8	41.53	16	33.8	K0 J	13A	902	A -19 636
64		8.2A	13 27.347	-0.0007	21	-17 0 45.95	-0.042	15	0.34	27.359	18	33.8	45.27	16	33.8	B3 J	12A	862	A -17 631
65		9.0A	13 30.626	0.0008	13	-19 31 48.61	-0.001	11	0.25	30.612	16	33.8	48.59	16	33.8	K0 J	13A	905	A -19 639
66		8.3A	13 31.629	0.0018	17	-18 32 48.53	0.044	13	0.30	31.599	18	33.8	49.25	16	33.8	K0 J	12B	904	A -18 571
67		9.1A	13 32.765	-0.0088	21	-14 19 48.60	-0.100	15	0.34	32.908	18	33.8	46.98	16	33.8	G0 J	12A	864	A -14 632
68		8.4A	13 32.800	0.0073	21	-14 58 52.84	-0.126	15	0.34	32.681	18	33.8	50.79	16	33.8	G0 J	12A	863	A -15 568
69		9.0A	13 41.811	0.0004	18	-18 25 11.11	-0.012	13	0.31	41.804	18	33.8	10.92	16	33.8	F0 J	12B	907	A -18 572
70		8.0A	13 48.483	-0.0004	20	-19 32 18.80	0.023	15	0.32	48.489	16	33.8	19.16	16	33.8	K0 J	13A	909	A -19 643
71		8.7A	13 50.984	-0.0015	15	-11 2 32.45	0.015	15	0.30	51.009	18	33.8	32.70	16	33.8	K0 J	11	738	A -11 624
72		8.8A	13 51.677	0.0012	15	-11 23 48.90	0.007	17	0.31	51.657	18	33.8	49.02	16	33.8	G5 J	11	739	A -11 625
73		7.0A	13 52.312	0.0012	15	-12 10 8.96	0.002	17	0.31	52.293	18	33.8	8.99	16	33.8	K2 J	11	740	A -12 627
74		8.9A	14 42.037	0.0020	18	-13 33 9.81	-0.005	13	0.31	42.005	18	33.8	9.73	16	33.8	A5 J	12A	865	A -13 621
75		8.7A	14 49.942	0.0017	15	-11 21 6.94	0.008	17	0.31	49.915	18	33.8	7.07	16	33.8	K0 J	11	742	A -11 627
76		9.0A	14 54.521	0.0028	21	-16 29 55.06	-0.061	15	0.34	54.475	18	33.8	54.07	16	33.8	F8 J	12A	866	A -16 605
77		9.0A	14 55.693	0.0030	17	-16 14 46.47	0.008	12	0.29	55.645	18	33.8	46.60	16	33.8	F5 J	12A	867	A -16 606
78		9.1A	14 56.837	-0.0013	18	-19 23 23.21	-0.028	13	0.31	56.857	18	33.8	22.77	16	33.8	K0 J	12B	913	A -19 647
79		8.8A	14 57.553	0.0054	15	-11 13 57.18	0.058	17	0.31	57.465	18	33.8	58.12	16	33.8	G0 J	11	743	A -11 630
80		9.1A	15 2.628	0.0042	18	-13 53 1.48	-0.013	13	0.31	2.560	18	33.8	1.27	16	33.8	K0 J	12A	868	A -14 638
81		9.3A	15 2.829	0.0007	21	-13 49 39.58	-0.026	15	0.34	2.818	18	33.8	39.16	16	33.8	F5 J	12A	869	A -14 637
82		8.9A	15 7.262	0.0041	15	-18 34 29.51	-0.108	11	0.27	7.216	18	33.8	27.77	16	33.8	G5 J	12B	915	A -18 575
83		9.1A	15 9.175	0.0017	17	-18 26 54.88	-0.006	12	0.29	9.147	18	33.8	54.78	16	33.8	F5 J	12B	916	A -18 576
84		9.1A	15 14.071	-0.0034	15	-10 7 51.80	-0.038	17	0.31	14.125	18	33.8	51.19	16	33.8	F8 J	11	744	A -10 648
85		8.8A	15 18.057	0.0002	18	-17 49 39.22	0.003	13	0.31	18.055	18	33.8	39.27	16	33.8	G0 J	12B	917	A -18 577
86		8.2A	15 23.102	-0.0028	15	-12 24 11.00	-0.026	17	0.31	23.147	18	33.8	10.58	16	33.8	G5 J	11	745	A -12 632
87		9.0A	15 24.087	0.0045	18	-14 17 43.57	0.028	13	0.31	24.014	18	33.8	44.02	16	33.8	G5 J	12A	870	A -14 639
88		8.8A	15 27.452	0.0032	15	-12 2 18.95	-0.050	17	0.31	27.401	18	33.8	18.47	16	33.8	F8 J	11	746	A -12 633
89		8.8A	15 34.545	0.0055	15	-10 37 28.10	-0.032	15	0.30	34.455	18	33.8	27.59	16	33.8	G5 J	11	747	A -10 649
90		8.8A	15 36.168	0.0041	15	-10 45 8.78	0.017	17	0.31	36.102	18	33.8	9.06	16	33.8	F5 J	11	748K	A -11 632
91		8.9A	15 36.579	0.0002	21	-15 41 27.68	0.015	15	0.34	36.575	18	33.8	27.92	16	33.8	F5 J	12A	871	A -16 610
92		9.4A	15 48.192	0.0008	21	-17 49 3.52	-0.072	15	0.34	48.179	18	33.8	2.35	16	33.8	F8 J	12A	872	A -18 582
93		8.5A	15 52.806	0.0013	18	-14 0 39.66	-0.013	13	0.31	52.785	18	33.8	39.45	16	33.8	A3 J	12A	873	A -14 641
94		9.1A	16 3.416	0.0010	21	-14 3 0.93	0.002	15	0.34	3.400	18	33.8	0.97	16	33.8	K0 J	12A	874	A -14 643
95		9.1A	16 5.196	0.0073	17	-18 47 48.56	0.024	11	0.28	5.078	18	33.8	48.96	16	33.8	G0 J	12B	921	A -19 650
96		7.6A	16 20.354	0.0014	18	-14 26 7.62	0.012	13	0.31	20.332	18	33.8	7.82	16	33.8	K0 J	12A	875	A -14 646
97		5.8T	16 24.099	0.0092	08	-18 44 24.40	-0.051	08	0.33	23.721	09	08.7	22.34	09	10.1	F0	GC	3959	B*-19 651
98		7.8T	16 30.131	0.0085	33	-15 43 57.28	-0.009	32	1.39	29.773	29	08.1	56.89	29	07.4	K2	GC	3963	-16 614
99		8.6A	16 32.619	-0.0016	21	-15 4 3.68	-0.026	15	0.34	32.644	18	33.8	3.26	16	33.8	F0 J	12A	877	A -15 578
00		9.0A	16 41.130	-0.0031	13	-12 34 53.37	-0.055	15	0.29	41.180	18	33.8	52.48	16	33.8	K2 J	11	752	A -12 634

148900

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	EPOCH 1950 μ s	EPOCH 1950 σ_μ ″.001	EPOCH 1950 δ_{1950} ° ′ ″	EPOCH 1950 μ' ″	EPOCH 1950 $\sigma_{\mu'}$ ″.001	EPOCH 1950 σ_{1950} ″	ORIGINAL EPOCH α_2 s	ORIGINAL EPOCH σ ″.01	ORIGINAL EPOCH ep.	ORIGINAL EPOCH δ_2 ″	ORIGINAL EPOCH σ' ″.01	ORIGINAL EPOCH ep.	SP.		SOURCE CAT.	SOURCE STAR NUMBER	-10° 3H DM NUMBER
1		9.0A	3 16 44.439	-0.0003	21	-16 34 48.49	0.028	15	0.34	44.444	18	33.8	48.95	16	33.8	G0	J	12A	878	A -16 615
2		8.6A	17 4.403	-0.0003	17	-17 36 17.77	-0.023	13	0.30	4.408	18	33.8	17.40	16	33.8	G5	J	12B	924	A -17 641
3		7.9A	17 11.877	0.0045	15	-11 35 21.43	-0.022	15	0.30	11.804	18	33.8	21.08	16	33.8	G5	J	11	753	A -11 640
4		7.0T	17 30.123	0.0013	26	-19 1 28.61	0.022	18	1.06	30.066	27	04.3	29.63	27	02.4	A0		GC	3990	-19 654
5		8.8A	17 38.059	0.0005	18	-17 44 29.95	-0.059	13	0.31	38.051	18	33.8	28.99	16	33.8	K0	J	12B	927	A -18 589
6		8.7A	17 45.868	0.0016	21	-14 19 2.38	-0.004	15	0.34	45.842	18	33.8	2.32	16	33.8	K2	J	12A	881	A -14 648
7		8.9A	17 53.838	0.0005	18	-18 10 55.52	-0.007	13	0.31	53.830	18	33.8	55.41	16	33.8	K0	J	12B	929	A -18 591
8		9.0A	18 11.748	-0.0006	18	-19 53 46.70	-0.034	13	0.30	11.757	18	33.8	46.15	16	33.8	K0	J	13A	930	A -20 620
9		9.2A	18 22.438	-0.0009	21	-16 25 32.92	-0.035	15	0.34	22.452	18	33.8	32.35	16	33.8	G0	J	12A	882	A -16 617
10		8.9A	18 22.529	0.0001	15	-10 31 24.88	-0.016	15	0.30	22.527	18	33.8	24.62	16	33.8	F8	J	11	754	A -10 657
11		8.2A	18 25.919	-0.0017	18	-17 42 2.40	-0.012	13	0.31	25.946	18	33.8	2.21	16	33.8	A2	J	12B	931	A -18 593
12		9.5A	18 41.079	-0.0009	21	-16 57 13.21	-0.029	15	0.34	41.094	18	33.8	12.74	16	33.8	K7	J	12A	884	A -17 648
13		9.3A	19 2.159	-0.0018	21	-15 30 41.01	-0.045	15	0.34	2.188	18	33.8	41.74	16	33.8	A5	J	12A	885	A -15 583
14		8.7A	19 3.651	-0.0008	15	-11 15 14.83	-0.106	17	0.31	3.664	18	33.8	13.12	16	33.8	G0	J	11	755	A -11 645
15		8.8A	19 7.230	0.0010	15	-11 23 47.19	-0.056	17	0.31	7.214	18	33.8	48.10	16	33.8	F2	J	11	756K	A -11 646
16		8.0A	19 7.792	-0.0026	17	-15 58 35.72	-0.046	12	0.29	7.834	18	33.8	34.97	16	33.8	F8	J	12A	886	A -16 620
17		9.2A	19 35.059	0.0013	21	-16 33 38.01	-0.002	15	0.34	35.037	18	33.8	37.98	16	33.8	G0	J	12A	887	A -16 621
18		8.1A	19 35.769	-0.0022	15	-12 30 34.15	-0.025	17	0.31	35.805	18	33.8	34.56	16	33.8	F5	J	11	760	A -12 640
19		8.9A	19 36.622	-0.0003	15	-13 3 21.18	-0.039	17	0.31	36.626	18	33.8	20.55	16	33.8	F8	J	11	761	A -13 635
20		9.2A	19 36.878	0.0003	18	-19 34 26.61	0.009	13	0.30	36.872	18	33.8	26.76	16	33.8	G0	J	13A	936	A -19 662
21		7.9A	19 39.192	0.0025	21	-15 38 12.51	-0.031	15	0.34	39.151	18	33.8	13.01	16	33.8	K0	J	12A	888	A -15 584
22		8.6A	19 44.708	-0.0009	15	-13 27 3.78	-0.021	17	0.31	44.722	18	33.8	3.44	16	33.8	K0	J	11	762	A -13 637
23		8.9A	19 58.104	-0.0015	15	-10 51 19.50	0.034	17	0.31	58.127	18	33.8	20.05	16	33.8	K0	J	11	763	A -11 650
24		8.4A	20 12.686	-0.0038	15	-11 52 41.86	0.023	17	0.31	12.747	18	33.8	42.24	16	33.8	F8	J	11	765	A -12 641
25		9.4A	20 12.720	-0.0002	21	-16 9 20.93	-0.013	15	0.34	12.724	18	33.8	20.71	16	33.8	G0	J	12A	889	A -16 625
26		8.9A	20 18.968	0.0090	21	-13 57 19.46	-0.044	15	0.34	18.822	18	33.8	18.75	16	33.8	K0	J	12A	890	A -14 653
27		8.8A	20 28.960	-0.0012	15	-19 16 37.11	-0.012	11	0.27	28.979	18	33.8	36.91	16	33.8	K0	J	12B	940	A -19 666
28		9.2A	20 32.861	0.0001	18	-19 29 46.23	-0.041	13	0.30	32.860	16	33.8	45.58	16	33.8	F8	J	13A	941	A -19 667
29		9.1A	20 32.891	-0.0021	21	-17 1 2.69	-0.058	15	0.34	32.925	18	33.8	1.75	16	33.8	G0	J	12A	891	A -17 653
30		7.8A	20 52.439	0.0063	15	-11 31 27.31	0.004	15	0.30	52.337	18	33.8	27.38	16	33.8	F5	J	11	767	A -11 652
31		8.8A	20 57.708	0.0021	13	-10 25 14.40	0.012	13	0.28	57.674	18	33.8	14.60	16	33.8	K0	J	11	768	A -10 665
32		8.0A	20 59.785	-0.0008	15	-11 34 14.61	0.017	17	0.31	59.799	18	33.8	14.89	16	33.8	F2	J	11	769	A -11 653
33		6.7T	20 59.856	-0.0025	13	-17 36 59.53	0.060	12	0.65	59.980	21	01.4	+ 2.56	19	99.6	K0		GC	4044	-17 654
34		8.0A	21 5.045	-0.0002	21	-15 3 14.66	0.079	15	0.34	5.048	18	33.8	15.94	16	33.8	G0	J	12A	893	A -15 589
35		8.9A	21 6.091	-0.0028	15	-11 26 7.70	0.022	17	0.31	6.137	18	33.8	8.06	16	33.8	F8	J	11	770	A -11 654
36		8.1A	21 7.066	-0.0005	18	-14 23 53.22	0.027	13	0.31	7.075	18	33.8	53.66	16	33.8	G5	J	12A	894	A -14 657
37		8.4A	21 10.598	0.0009	17	-16 26 58.87	-0.023	12	0.29	10.582	18	33.8	58.49	16	33.8	K0	J	12A	895	A -16 628
38		9.1A	21 12.086	0.0025	15	-10 23 14.33	-0.042	15	0.30	12.046	18	33.8	13.65	16	33.8	G0	J	11	771	A -10 666
39		8.3A	21 30.029	-0.0017	15	-11 2 34.53	0.032	17	0.31	30.057	18	33.8	35.05	16	33.8	G5	J	11	772	A -11 656
40		8.5A	21 41.403	-0.0004	18	-14 16 21.16	0.009	13	0.31	41.409	18	33.8	21.31	16	33.8	K0	J	12A	896	A -14 658
41		9.0A	21 48.676	0.0002	21	-13 29 57.43	-0.005	15	0.34	48.673	18	33.8	57.35	16	33.8	K0	J	12A	898	A -13 642
42		9.0A	21 49.806	-0.0002	18	-15 20 52.89	-0.003	13	0.31	49.809	18	33.8	52.84	16	33.8	K0	J	12A	899	A -15 592
43		6.8T	22 3.782	-0.0003	12	-14 10 7.84	0.019	12	0.60	3.797	19	04.6	8.75	19	02.4	A0		GC	4067K	B*-14 661
44		7.5T	22 4.899	0.0166	26	-15 49 41.69	-0.099	22	1.03	4.234	21	09.8	37.33	22	06.0	G0		GC	4068K	-16 630
45		8.7A	22 5.248	0.0007	18	-18 38 57.60	-0.029	13	0.31	5.236	18	33.8	57.14	16	33.8	K0	J	12B	946	A -18 601
46		9.0A	22 16.502	0.0005	15	-10 35 37.59	-0.011	17	0.31	16.494	18	33.8	37.41	16	33.8	K0	J	11	774	A -10 672
47		9.2A	22 18.882	-0.0016	21	-14 49 50.22	0.006	15	0.34	18.908	18	33.8	50.31	16	33.8	A3	J	12A	902	A -15 594
48		9.0A	22 28.530	0.0004	15	-13 1 5.97	0.023	17	0.31	28.523	18	33.8	6.35	16	33.8	M0	J	11	775	A -13 643
49		8.7A	22 35.268	-0.0009	15	-12 10 58.78	-0.026	17	0.31	35.282	18	33.8	58.36	16	33.8	G0	J	11	776	A -12 648
50		9.0A	22 35.327	-0.0022	21	-13 44 12.46	-0.024	15	0.34	35.363	18	33.8	12.07	16	33.8	K0	J	12A	903	A -14 663
51		7.9A	3 22 39.862	0.0057	21	-14 17 30.47	0.009	15	0.34	39.769	18	33.8	30.62	16	33.8	F5	J	12A	904	A -14 665
52		9.1A	22 44.092	0.0045	17	-18 44 20.99	-0.021	12	0.29	44.020	18	33.8	20.66	16	33.8	K5	J	12B	949	A -19 673
53		8.7A	22 47.074	0.0011	15	-12 31 48.48	-0.012	15	0.30	47.057	18	33.8	48.68	16	33.8	M3	J	11	778	A -12 649
54		8.0G	22 55.689	-0.0136	13	-15 12 38.07	-0.273	11	0.57	56.270	18	07.4	25.63	18	04.5	G5		GC	4083	-15 595
55		8.7A	23 17.178	0.0018	17	-17 52 24.48	-0.008	13	0.30	17.149	18	33.8	24.35	16	33.8	A2	J	12B	951	A -18 605
56		8.2A	23 48.426	0.0006	18	-18 36 53.47	-0.022	13	0.31	48.416	18	33.8	53.12	16	33.8	G5	J	12B	954	A -18 608
57		8.9A	23 59.256	0.0002	18	-19 3 50.47	0.027	13	0.31	59.252	18	33.8	50.90	16	33.8	F5	J	12B	956	A -19 674
58		8.6A	24 4.178	0.0003	21	-14 19 0.97	0.023	15	0.34	4.173	18	33.8	1.35	16	33.8	K0	J	12A	906	A -14 669
59		7.9A	24 4.790	-0.0003	18	-15 32 14.89	-0.032	13	0.31	4.795	18	33.8	14.37	16	33.8	A0	J	12A	907	A -15 598
60		9.3A	24 14.814	0.0020	21	-16 11 41.24	-0.013	15	0.34	14.782	18	33.8	41.03	16	33.8	F8	J	12A	908	A -16 636
61		9.3A	24 15.625	0.0046	17	-15 57 0.23	-0.037	12	0.29	15.550	18	33.8	-59.63	16	33.8	K0	J	12A	909	A -16 635
62		9.2A	24 16.305	0.0005	21	-16 23 34.04	-0.070	15	0.34	16.296	18	33.8	32.90	16	33.8	G0	J	12A	910	A -16 638
63		8.8A	24 20.405	-0.0010	17	-18 23 51.33	-0.022	13	0.30	20.422	18	33.8	50.97	16	33.8	A2	J	12B	958	A -18 610
64		9.2A	24 21.293	0.0007	21	-17 27 55.41	-0.040	15	0.34	21.282	18	33.8	54.76	16	33.8	K2	J	12A	911K	A -17 666
65		9.3A	24 28.635	-0.0004	21	-14 34 51.58	-0.033	15	0.34	28.642	18	33.8	51.04	16	33.8	G0	J	12A	912	A -14 675
66		9.4A	24 35.953	-0.0028	21	-17 2 20.04	-0.006	15	0.34	35.998	18	33.8	19.94	16	33.8	G0	J	12A	913	A -17 667
67		8.7A	24 55.805	0.0009	18	-18 52 5.80	0.003	13	0.31	55.791	18	33.8	5.86	16	33.8	K5	J	12B	962	A -19 680
68		9.1A	25 13.736	-0.0004	21	-15 23 0.15	-0.036	15	0.34	13.742	18	33.8	-59.56	16	33.8	A0	J	12A	914	A -15 601
69		7.2T	25 21.156	-0.0017	13	-14 32 21.36	-0.001	12	0.58	21.226	18	07.5	21.31	18	04.8	A0		GC	4123K	-14 677
70		8.4A	25 23.314	-0.0009	15	-13 6 48.20	-0.011	15	0.30	23.327	18	33.8	48.02	16	33.8	K2	J	11	783	A -13 655
71		8.2G	25 35.693	0.0362	16	-19 58 52.29	0.334	13	0.64	34.213	19	09.1	+ 7.01	18	05.9	K5		GC	4128	B*-20 643
72		5.9T	25 37.751	-0.0003	06	-11 27 30.76	-0.048	05	0.21	37.761	06	13.7	28.98	07	12.9	K0		GC	4130	B*-11 667
73		7.7A	25 47.679	-0.0000	13	-12 55 35.23	-0.033	13	0.28	47.680	18	33.8	35.77	16	33.8	K0	J	11	785	A -13 656
74		7.3A	26 6.123	-0.0000	13	-13 22 51.35	-0.052	15	0.29	6.123	18	33.8	50.51	16	33.8	K0	J	11	786	A -13 659
75		9.1A	26 20.704	-0.0025	17	-16 21 44.19	-0.012	12	0.29	20.744	18	33.8	43.99	16	33.8	G5	J	12A	916	A -16 642
76		8.7A	26 23.344	-0.0007	18	-18 49 24.46	-0.002	13	0.31	23.355	18	33.8	24.42	16	33.8	K0	J	12B	967	A -19 683
77		8.5A	26 24.129	0.0007	17	-18 32 55.82	0.028	12	0.29	24.117	18	33.8	56.28	16	33.8	A5	J	12B	968	A -18 612
78		8.1A	26 24.579	0.0025	15	-10 20 33.14	0.033	17	0.31	24.539	18	33.8	33.68	16	33.8	G5	J	11	787	A -10 680
79		8.8A	26 24.613	-0.0021	17	-18 24 6.41	-0.061	13	0.30	24.647	18	33.8	5.42	16	33.8	K7	J	12B	969	A -18 613
80		8.6A	26 31.881	-0.0006	15	-13 0 25.16	-0.015	17	0.31	31.892	18	33.8	24.92	16	33.8	K0	J	11	788	A -13 661
81		8.9A	26 32.053	-0.0007	18	-17 39 8.88	-0.005	13	0.31	32.065	18	33.8	8.80	16	33.8	K0	J	12B	971	A -17 671
82		8.5A	26 49.674	-0.0030	17	-12 15 26.96	0.032	18	0.33	49.721	18	33.8	27.48	16	33.8	F0	J	11	790	A -12 661
83		8.9A	27 4.655	-0.0022	17	-18 4 9.68	0.004	12	0.29	4.690	18	33.8	9.74	16	33.8	G0	J	12B	974	A -18 618
84		7.3T	27 10.726	0.0040	26	-19 43 35.12	0.024	22	1.11	10.551	26	05.8	36.21	24	04.3	G5		GC	4161	-20 648
85		5.6T	27 14.200	0.0004	06	-12 50 45.10	0.003	06	0.31	14.180	09	99.1	45.26	09	97.6	A2		GC	4164	B*-13 662
86		8.7A	27 15.400	0.0004	21	-17 10 12.57	-0.025	15	0.34	15.394	18	33.8	12.16	16	33.8	F5	J	12A	918	A -17 677
87		9.1A	27 22.677	-0.0001	20	-18 53 37.54	0.010	15	0.33	22.678	18	33.8	37.71	16	33.8	K0	J	12B	977	A -19 687
88		8.9A	27 25.528	0.0009	18	-14 35 56.48	0.015	13	0.31	25.513	18	33.8	56.72	16	33.8	K2	J	12A	919	A -14 682
89		8.6Q	27 35.833	-0.0042	12	-11 18 57.75	-0.111	10	0.52	36.012	18	07.3	52.40	18	01.8	F5		GC	4169K	B*-11 673
90		8.9A	27 38.300	-0.0027	17	-12 38 51.99	-0.023	18	0.33	38.344	18	33.8	51.62	16	33.8	K0	J	11	794	A -12 664
91		9.0A	27 39.918	0.0023	18	-19 42 53.45	0.009	13	0.30	39.880	16	33.8	53.60	16	33.8	G0	J	13A	979	A -20 649
92		9.0A	27 41.282	0.0006	18	-19 47 36.73	0.203	13	0.30	41.272	16	33.8	40.01	16	33.8	G5	J	13A	980	A -20 650
93		9.0A	27 41.387	0.0004	21	-17 7 31.06	-0.041	15	0.34	41.379	18	33.8	30.39	16	33.8	K5	J	12A	920	A -17 678
94		6.9T	27 50.190	0.0059	14	-11 48 56.00	-0.087	13	0.74	49.889	22	98.9	51.36	21	96.7	G5		GC	4175	-12 666
95		9.0A	28 12.301	-0.0009	21	-16 1 23.42	0.006	15	0.34	12.316	18	33.8	23.51	16	33.8	G5	J	12A	921	A -16 648
96		8.9A	28 13.851	-0.0014	17	-11 31 51.70	-0.008	18	0.33	13.874	18	33.8	51.57	16	33.8	G0	J	11	796	A -11 675
97		8.8A	28 15.135	0.0026	17	-18 2 22.75	0.033	13	0.30	15.092	18	33.8	23.28	16	33.8	G0	J	12B	981	A -18 621
98		8.7A	28 18.023	-0.0016	17	-11 36 56.20	0.002	18	0.33	18.049	18	33.8	56.24	16	33.8	G5	J	11	798	A -11 676
99		9.2A	28 20.251	0.0038	21	-15 1 33.99	-0.002	15	0.34	20.189	18	33.8	33.96	16	33.8	G5	J	12A	922	A -15 609
00		8.9A	28 22.086	0.0011	18	-19 15 15.74	0.016	13	0.31	22.068	18	33.8	16.01	16	33.8	K2	J	12B	982	A -19 693

149000

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	EPOCH 1950 μ s	EPOCH 1950 σ_μ ″.001	EPOCH 1950 δ_{1950} ° ′ ″	EPOCH 1950 μ' ″	EPOCH 1950 $\sigma_{\mu'}$ ″.001	EPOCH 1950 σ_{1950} ″	ORIGINAL EPOCH α_2 s	ORIGINAL EPOCH σ ″.01	ORIGINAL EPOCH ep.	ORIGINAL EPOCH δ_2 ″	ORIGINAL EPOCH σ' ″.01	ORIGINAL EPOCH ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	-10° 3H DM NUMBER
1		7.6A	3 28 25.038	-0.0017	18	-19 36 19.42	-0.008	13	0.30	25.066	16	33.8	19.29	16	33.8	G0 J	13A	983	A -19 694
2		7.6T	28 33.209	-0.0014	17	-18 38 6.32	-0.017	14	0.77	33.275	26	04.4	5.46	22	09.8	K0	GC	4203	-18 622
3		8.8A	28 34.626	-0.0042	17	-15 43 53.66	-0.027	12	0.29	34.694	18	33.8	53.22	16	33.8	K0 J	12A	923	A -16 650
4		8.9A	28 40.758	0.0037	15	-13 1 24.96	0.062	17	0.31	40.739	18	33.8	25.96	16	33.8	G5 J	11	799	A -13 672
5		8.9A	28 45.109	-0.0024	21	-17 20 16.32	-0.000	15	0.34	45.148	18	33.8	16.32	16	33.8	A0 J	12A	924	A -17 683
6		8.5A	28 48.386	-0.0022	15	-11 33 19.38	-0.053	17	0.31	48.402	18	33.8	18.52	16	33.8	G5 J	11	800	A -11 678
7		9.1A	28 49.325	0.0050	18	-14 31 13.16	0.045	13	0.31	49.244	18	33.8	13.89	16	33.8	K0 J	12A	925	A -14 688
8		7.8A	28 49.975	0.0005	17	-13 40 6.08	-0.006	12	0.29	49.967	18	33.8	5.98	16	33.8	A0 J	12A	926	A -13 674
9		8.4A	28 50.595	0.0000	17	-11 6 3.83	-0.050	18	0.33	50.594	18	33.8	3.02	16	33.8	K0 J	11	801	A -11 679
10		9.0A	28 50.634	0.0000	21	-16 47 2.35	-0.010	15	0.34	50.633	18	33.8	2.19	16	33.8	F8 J	12A	927	A -17 684
11		8.9A	28 51.447	0.0042	18	-18 16 54.82	-0.126	13	0.31	51.378	18	33.8	52.78	16	33.8	G0 J	12B	986	A -18 623
12		9.1A	29 6.309	0.0011	15	-11 59 19.71	0.017	17	0.31	6.291	18	33.8	19.99	16	33.8	K0 J	11	803	A -12 669
13		7.6T	29 7.714	0.0086	17	-16 56 53.40	0.040	16	0.75	7.342	22	07.0	55.18	21	05.4	F5	GC	4216	-17 685
14		8.6A	29 14.432	-0.0066	15	-12 36 10.14	-0.098	17	0.31	14.539	18	33.8	8.55	16	33.8	G5 J	11	804	A -12 670
15		7.8A	29 15.042	-0.0030	18	-12 54 13.32	0.021	20	0.35	15.091	18	33.8	13.66	16	33.8	A2 J	11	805	A -13 675
16		9.1A	29 16.945	0.0020	18	-17 20 30.42	0.019	13	0.31	16.911	18	33.8	30.73	16	33.8	F2 J	12A	929	A -17 686
17		9.0A	29 29.656	0.0030	17	-12 43 36.04	-0.041	18	0.33	29.608	18	33.8	35.38	16	33.8	F2 J	11	806	A -13 676
18		8.7A	29 31.801	-0.0010	15	-18 39 8.92	-0.002	12	0.28	31.818	18	33.8	8.90	16	33.8	K2 J	12B	987	A -18 625
19		8.5A	29 33.810	0.0021	18	-19 29 5.81	0.001	13	0.31	33.776	18	33.8	5.84	16	33.8	K2 J	12B	988	A -19 698
20		9.2A	29 34.399	-0.0026	21	-15 51 11.69	-0.055	15	0.34	34.440	18	33.8	10.80	16	33.8	F8 J	12A	930	A -16 652
21		8.6A	29 55.152	-0.0019	18	-10 54 34.08	0.006	20	0.35	55.182	18	33.8	34.18	16	33.8	K0 J	11	808	A -11 682
22		8.7A	29 58.001	-0.0003	17	-11 23 55.31	-0.021	18	0.33	58.005	18	33.8	54.97	16	33.8	F0 J	11	809	A -11 683
23		8.3A	30 3.973	-0.0016	18	-12 7 59.23	0.015	20	0.35	3.998	18	33.8	59.48	16	33.8	F2 J	11	810	A -12 672
24		9.2A	30 29.776	0.0003	21	-14 41 8.19	0.005	15	0.34	29.772	18	33.8	8.27	16	33.8	K2 J	12A	931	A -15 614
25		9.0A	30 33.203	0.0032	21	-16 57 54.26	-0.037	15	0.34	33.151	18	33.8	53.67	16	33.8	A2 J	12A	932	A -17 689
26		8.8A	30 34.704	-0.0002	15	-13 24 4.54	0.018	17	0.31	34.707	18	33.8	4.83	16	33.8	K2 J	11	812	A -13 679
27		9.0A	30 40.565	-0.0016	17	-19 25 29.45	0.028	12	0.29	40.591	18	33.8	29.90	16	33.8	F5 J	12B	992K	A -19 700
28		9.2A	30 40.741	0.0008	17	-13 49 3.60	-0.027	11	0.28	40.727	18	33.8	3.17	16	33.8	G5 J	12A	933	A -14 691
29		8.1A	30 47.254	-0.0030	17	-10 12 45.75	-0.035	18	0.33	47.308	18	33.8	45.18	16	33.8	F2 J	11	814	A -10 694
30		8.7A	30 49.164	0.0126	20	-18 34 56.10	-0.011	15	0.33	48.961	18	33.8	55.92	16	33.8	F5 J	12B	994	A -18 627
31		8.7A	30 51.247	-0.0024	17	-11 20 35.44	-0.011	18	0.33	51.285	18	33.8	35.26	16	33.8	G5 J	11	816	A -11 685
32		8.6A	30 51.340	-0.0035	17	-10 13 38.05	-0.060	18	0.33	51.396	18	33.8	37.08	16	33.8	A3 J	11	815	A -10 696
33		9.2T	30 54.048	0.0012	16	-15 42 58.65	0.001	11	0.73	53.992	24	02.6	58.72	19	94.4	K5	GC	4249	-16 656
34		8.6A	31 1.759	-0.0025	17	-13 10 44.78	-0.009	18	0.33	1.800	18	33.8	44.63	16	33.8	F5 J	11	818K	A -13 681
35		8.1A	31 2.978	0.0010	21	-13 46 35.79	-0.001	15	0.34	2.962	18	33.8	35.78	16	33.8	A2 J	12A	935	A -14 696
36		9.2A	31 4.296	0.0015	15	-10 1 15.97	-0.001	17	0.31	4.271	18	33.8	15.96	16	33.8	F5 J	11	817	A -10 697
37		9.0A	31 11.529	0.0005	21	-14 37 52.14	-0.011	15	0.34	11.520	18	33.8	51.96	16	33.8	G5 J	12A	936	A -14 697
38		9.0A	31 14.620	0.0017	21	-17 6 49.01	-0.018	15	0.34	14.593	18	33.8	48.72	16	33.8	K5 J	12A	937	A -17 692
39		9.0A	31 19.991	-0.0035	15	-19 13 58.68	-0.048	12	0.28	20.048	18	33.8	57.90	16	33.8	G0 J	12B	995	A -19 703
40		7.1T	31 26.278	-0.0029	16	-15 17 35.06	-0.120	13	0.73	26.413	22	03.2	29.08	19	00.1	F5	GC	4255	-15 617
41		8.9A	31 34.705	-0.0007	18	-13 14 21.60	0.026	20	0.35	34.717	18	33.8	22.02	16	33.8	G5 J	11	821	A -13 683
42		8.8A	31 39.299	0.0019	15	-13 13 58.81	-0.030	17	0.31	39.269	18	33.8	58.33	16	33.8	K0 J	11	822	A -13 684
43		9.2A	31 46.800	0.0001	21	-15 59 47.13	-0.015	15	0.34	46.799	18	33.8	46.89	16	33.8	K2 J	12A	940	A -16 657
44		8.2A	31 46.904	0.0010	21	-13 59 54.54	-0.099	15	0.34	46.888	18	33.8	52.94	16	33.8	K2 J	12A	939	A -14 699
45		8.7A	31 53.815	0.0030	17	-12 14 4.36	-0.014	18	0.33	53.766	18	33.8	4.14	16	33.8	G5 J	11	823	A -12 674
46		8.6A	32 0.500	-0.0004	18	-14 52 36.46	-0.004	13	0.31	0.507	18	33.8	36.40	16	33.8	K0 J	12A	941	A -15 620
47		6.3T	32 13.039	0.0008	16	-10 2 4.59	-0.003	14	0.74	13.001	21	03.3	4.45	21	02.3	A0	GC	4272	-10 704
48		8.9A	32 14.372	-0.0017	17	-10 57 38.18	-0.017	18	0.33	14.399	18	33.8	37.91	16	33.8	K0 J	11	825	A -11 691
49		8.1A	32 16.065	0.0052	18	-12 27 46.71	-0.065	12	0.76	15.825	19	03.8	43.98	18	00.5	F8	GC	4273	-12 676
50		8.8A	32 18.282	0.0008	17	-12 56 51.53	-0.024	18	0.33	18.269	18	33.8	51.14	16	33.8	F8 J	11	827	A -13 687
51		9.1A	3 32 23.244	-0.0011	17	-10 4 9.07	0.008	18	0.33	23.262	18	33.8	9.20	16	33.8	K0 J	11	828	A -10 705
52		8.6A	32 24.341	-0.0015	21	-16 24 7.06	-0.042	12	0.32	24.365	18	33.8	6.38	16	33.8	K0 J	12A	942	A -16 662
53		8.4A	32 38.102	-0.0003	17	-16 14 4.37	-0.017	12	0.29	38.107	18	33.8	4.10	16	33.8	K5 J	12A	943	A -16 663
54		9.2A	33 2.123	-0.0019	18	-14 59 12.46	-0.079	13	0.31	2.153	18	33.8	11.18	16	33.8	G5 J	12A	944	A -15 621
55		8.7A	33 9.456	-0.0009	15	-11 14 24.30	0.005	15	0.30	9.470	18	33.8	24.38	16	33.8	K5 J	11	829	A -11 694
56		8.7A	33 31.225	-0.0011	15	-10 21 19.41	-0.012	17	0.31	31.242	18	33.8	19.22	16	33.8	K0 J	11	830	A -10 708
57		5.7T	33 34.575	0.0016	07	-11 21 34.82	0.085	07	0.31	34.509	10	08.8	38.60	12	05.6	G0	GC	4296	B*-11 696
58		9.2A	33 35.971	0.0033	21	-17 22 50.60	-0.029	15	0.34	35.918	18	33.8	50.14	16	33.8	K2 J	12A	946	A -17 696
59		9.0A	33 36.515	0.0011	18	-14 56 10.00	0.021	13	0.31	36.497	18	33.8	10.34	16	33.8	F5 J	12A	945	A -15 622
60		8.2A	33 51.194	-0.0031	21	-17 14 51.82	-0.126	15	0.34	51.244	18	33.8	49.78	16	33.8	G0 J	12A	947	A -17 697
61		9.6A	33 54.671	0.0009	21	-17 28 41.97	-0.019	15	0.34	54.657	18	33.8	41.67	16	33.8	A2 J	12A	948	A -17 698
62		8.1A	33 57.358	0.0037	18	-18 42 49.47	-0.076	13	0.31	57.298	18	33.8	48.24	16	33.8	G0 J	12B	1006	A -19 707
63		5.3H	34 0.593	0.0014	02	-17 37 53.15	-0.007	02	0.06	0.545	04	16.0	52.91	04	16.9	A0P	F4	1100	-17 699
64		8.0A	34 10.339	0.0024	18	-19 32 28.18	-0.003	13	0.30	10.301	16	33.8	28.14	16	33.8	A0 J	13A	1008	A -19 708
65		9.1A	34 17.788	0.0013	15	-13 28 56.81	0.035	17	0.31	17.767	18	33.8	57.38	16	33.8	G5 J	11	832	A -13 693
66		9.2A	34 18.842	0.0011	21	-13 44 40.43	-0.022	15	0.34	18.824	18	33.8	40.08	16	33.8	K0 J	12A	950	A -14 703
67		8.1A	34 27.606	-0.0014	18	-14 15 41.00	-0.126	13	0.31	27.628	18	33.8	38.96	16	33.8	G5 J	12A	951	A -14 706
68		9.1A	34 38.203	-0.0017	12	-18 2 20.75	0.011	09	0.24	38.231	18	33.8	20.92	16	33.8	K J	12B	1010	A -18 637
69		9.0A	34 45.047	-0.0002	17	-14 5 21.51	0.008	11	0.28	45.050	18	33.8	21.64	16	33.8	F5 J	12A	952	A -14 708
70		8.6A	34 53.598	0.0012	15	-18 2 23.55	-0.018	12	0.28	53.579	18	33.8	23.25	16	33.8	G5 J	12B	1011	A -18 639
71		7.2T	35 26.675	-0.0014	13	-15 38 51.46	-0.024	10	0.57	26.738	18	05.3	50.33	17	02.2	G5	GC	4332	-15 627
72		8.2A	35 30.652	0.0035	17	-14 7 29.20	0.021	12	0.29	30.596	18	33.8	29.54	16	33.8	F5 J	12A	954	A -14 711
73		8.8A	35 30.797	-0.0009	15	-11 42 36.36	-0.085	17	0.31	30.811	18	33.8	34.98	16	33.8	G5 J	11	835K	A -12 680
74		9.1A	35 41.533	-0.0003	00	-17 49 23.35	0.009	13	0.23	41.538	18	33.8	23.49	16	33.8	G0 J	12B	1015	A -18 642
75		9.0A	35 45.982	-0.0002	13	-12 24 20.24	-0.004	15	0.29	45.985	18	33.8	20.18	16	33.8	A0 J	11	836	A -12 681
76		9.0A	35 47.475	0.0004	15	-13 6 32.40	0.033	15	0.30	47.468	18	33.8	32.94	16	33.8	F2 J	11	837	A -13 703
77		8.1A	35 57.370	0.0030	15	-11 21 51.50	0.046	17	0.31	57.321	18	33.8	52.25	16	33.8	G5 J	11	838	A -11 703
78		9.0A	36 0.304	-0.0005	17	-15 57 14.90	-0.014	12	0.29	0.313	18	33.8	14.68	16	33.8	F5 J	12A	956	A -16 674
79		8.6A	36 13.705	-0.0026	15	-18 54 30.40	0.036	11	0.27	13.746	18	33.8	30.98	16	33.8	G0 J	12B	1018	A -19 714
80		9.2A	36 16.118	0.0026	21	-14 9 37.86	-0.004	15	0.34	16.075	18	33.8	37.80	16	33.8	K7 J	12A	957	A -14 715
81		9.2A	36 50.936	-0.0011	21	-16 5 15.79	-0.052	15	0.34	50.954	18	33.8	14.95	16	33.8	K5 J	12A	958	A -16 678
82		6.4T	37 1.840	-0.0018	12	-10 35 50.43	-0.103	08	0.53	1.924	19	02.9	45.16	18	98.8	G5	GC	4358	-10 717
83		8.1A	37 7.902	0.0011	17	-15 55 8.45	-0.010	12	0.29	7.885	18	33.8	8.29	16	33.8	K0 J	12A	959	A -16 679
84		7.9A	37 15.665	0.0039	20	-19 9 35.05	0.031	15	0.33	15.603	18	33.8	35.55	16	33.8	G5 J	12B	1024	A -19 717
85		7.1T	37 20.138	-0.0000	15	-17 31 34.60	-0.027	14	0.75	20.139	26	03.0	33.23	22	00.0	K0	GC	4368	-17 707
86		8.7A	37 25.998	-0.0031	15	-13 25 12.06	0.014	17	0.31	26.049	18	33.8	12.29	16	33.8	K0 J	11	840	A -13 707
87		7.1T	37 29.930	0.0076	18	-11 6 24.99	0.013	13	0.71	29.616	22	08.8	25.56	21	05.8	G5	GC	4372	-11 706
88		8.9A	37 29.935	-0.0004	15	-11 50 46.64	-0.163	17	0.31	29.941	18	33.8	44.00	16	33.8	G5 J	11	842	A -12 686
89		9.1A	37 32.396	-0.0014	18	-15 35 54.14	-0.030	13	0.31	32.420	18	33.8	53.66	16	33.8	G5 J	12A	961	A -15 633
90		8.8A	37 35.661	0.0006	21	-16 30 43.61	-0.018	15	0.34	35.651	18	33.8	43.32	16	33.8	K2 J	12A	962	A -16 680
91		9.0A	37 42.474	-0.0007	21	-16 28 2.86	-0.016	12	0.32	42.486	18	33.8	2.61	16	33.8	M J	12A	963	A -16 681
92		8.9A	37 43.697	-0.0040	15	-12 13 31.37	-0.016	17	0.31	43.761	18	33.8	31.11	16	33.8	G5 J	11	843	A -12 687
93		8.8A	37 44.534	-0.0001	18	-16 47 56.33	-0.022	13	0.31	44.535	18	33.8	55.98	16	33.8	K2 J	12A	964	A -17 709
94		6.4T	37 52.635	-0.0003	18	-15 23 12.78	0.004	17	0.88	52.649	24	02.6	12.99	21	00.6	G5	GC	4388	-15 634
95		7.0T	37 58.179	-0.0022	20	-19 45 14.59	0.004	17	0.92	58.284	24	02.5	14.81	21	99.3	G5	GC	4392	-20 686
96		9.1A	38 8.729	-0.0010	15	-13 0 39.66	-0.029	17	0.31	8.746	18	33.8	39.19	16	33.8	K5 J	11	844	A -13 710
97		8.2A	38 10.931	-0.0009	15	-11 26 12.52	0.013	17	0.31	10.946	18	33.8	12.73	16	33.8	F8 J	11	845	A -11 710
98		9.0A	38 16.183	0.0005	21	-16 10 54.32	-0.038	15	0.34	16.176	18	33.8	53.71	16	33.8	M J	12A	966	A -16 683
99		8.7A	38 17.502	-0.0013	20	-19 34 53.03	0.109	15	0.32	17.523	16	33.8	54.80	16	33.8	F2 J	13A	1030	A -19 723
00		6.9T	38 25.638	0.0076	17	-19 38 0.20	0.048	13	0.69	25.325	19	08.7	2.40	19	04.4	G5	GC	4452	-19 724

149100

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	EPOCH 1950 μ s	EPOCH 1950 σ_μ .001"	EPOCH 1950 δ_{1950} ° ′ ″	EPOCH 1950 μ' ″	EPOCH 1950 $\sigma_{\mu'}$ .001"	EPOCH 1950 σ_{1950} ″	ORIGINAL EPOCH α_2 s	ORIGINAL EPOCH σ .01"	ORIGINAL EPOCH ep.	ORIGINAL EPOCH δ_2 ″	ORIGINAL EPOCH σ' .01"	ORIGINAL EPOCH ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	-10° 3H DM NUMBER
1		8.9A	3 38 27.220	-0.0001	17	-14 5 29.88	0.017	12	0.29	27.222	18	33.8	30.16	16	33.8	KO J	12A	967	A -14 721
2		8.9A	38 27.449	0.0004	15	-12 46 57.13	0.015	17	0.31	27.444	18	33.8	57.38	16	33.8	KO J	11	846	A -13 712
3		8.4A	38 27.715	-0.0022	18	-14 53 8.36	0.005	13	0.31	27.751	18	33.8	8.44	16	33.8	KO J	12A	968	A -15 636
4		7.5T	38 29.827	0.0059	12	-12 46 36.45	0.031	08	0.48	29.568	17	05.9	37.93	15	02.3	F2	GC	4406K	-13 713
5		9.2A	38 39.571	0.0049	18	-18 33 21.75	-0.020	13	0.31	39.492	18	33.8	21.42	16	33.8	GO J	12B	1034	A -18 647
6		9.1A	38 42.737	-0.0000	17	-16 27 56.69	-0.028	11	0.28	42.737	18	33.8	56.24	16	33.8	K7 J	12A	969	A -16 686
7		6.5T	38 51.282	0.0045	17	-11 57 46.56	-0.014	16	0.84	51.066	22	02.0	47.26	21	99.8	F2	GC	4415	-12 689
8		8.9A	38 54.210	0.0001	17	-18 3 5.63	-0.009	13	0.30	54.208	18	33.8	5.47	16	33.8	KO J	12B	1035	A -18 650
9		9.1A	38 55.698	0.0017	17	-17 31 37.79	-0.005	12	0.29	55.671	18	33.8	37.70	16	33.8	K2 J	12B	1036	A -17 712
10		8.6A	38 56.960	0.0002	17	-14 9 33.01	0.046	12	0.29	56.958	18	33.8	33.76	16	33.8	F8 J	12A	970	A -14 726
11		8.6A	38 58.218	-0.0032	17	-19 33 4.06	-0.010	12	0.28	58.270	16	33.8	3.91	16	33.8	KO J	13A	1037	A -19 725
12		8.9A	39 3.528	-0.0007	15	-13 27 50.37	0.022	15	0.30	3.539	18	33.8	50.73	16	33.8	KO J	11	849	A -13 716
13		9.1A	39 7.434	-0.0024	15	-11 2 28.27	0.127	17	0.31	7.473	18	33.8	30.33	16	33.8	GO J	11	850	A -11 714
14		6.5T	39 8.249	-0.0005	09	-19 44 38.36	-0.005	08	0.32	8.266	12	16.1	38.19	12	13.7	A0	GC	4418	-20 687
15		8.5A	39 8.559	-0.0000	17	-16 28 33.56	-0.144	11	0.28	8.559	18	33.8	31.23	16	33.8	KO J	12A	972	A -16 687
16		7.4T	39 14.575	0.0026	22	-14 27 29.69	-0.013	15	0.93	14.457	24	04.1	29.06	21	00.5	K0	GC	4421	-14 729
17		8.7A	39 25.292	-0.0034	13	-11 1 31.80	-0.037	15	0.29	25.348	18	33.8	31.20	16	33.8	G5 J	11	851	A -11 715
18		8.3A	39 27.572	0.0190	15	-10 51 11.31	-0.239	17	0.31	27.264	18	33.8	7.44	16	33.8	GO J	11	852	A -11 716
19		9.0A	39 33.346	0.0018	21	-17 12 38.54	-0.022	15	0.34	33.317	18	33.8	38.19	16	33.8	GO J	12A	975	A -17 713
20		7.0T	39 34.710	-0.0003	15	-14 31 19.48	-0.011	13	0.76	34.723	19	98.8	18.88	18	96.2	A0	GC	4431	-14 732
21		9.1A	39 38.902	0.0040	15	-12 29 34.43	0.059	17	0.31	38.837	18	33.8	35.39	16	33.8	GO J	11	853	A -12 694
22		9.3A	39 51.301	0.0006	17	-18 39 43.22	-0.018	13	0.31	51.292	18	33.8	42.93	16	33.8	K5 J	12B	1041	A -18 656
23		8.2A	39 55.614	0.0031	21	-16 7 18.42	-0.026	15	0.34	55.564	18	33.8	18.00	16	33.8	K2 J	12A	977	A -16 688
24		8.7A	39 56.719	0.0039	18	-19 9 31.51	-0.020	13	0.31	56.657	18	33.8	31.18	16	33.8	K0 J	12B	1043	A -19 728
25		8.8A	40 4.609	-0.0004	21	-17 20 24.87	-0.021	15	0.34	4.615	18	33.8	24.54	16	33.8	K5 J	12A	978	A -17 718
26		8.7A	40 23.470	-0.0005	18	-10 39 47.16	0.048	20	0.35	23.477	18	33.8	47.94	16	33.8	F5 J	11	856	A -10 727
27		8.6A	40 25.605	0.0003	20	-18 58 26.19	-0.007	15	0.33	25.600	18	33.8	26.08	16	33.8	M0 J	12B	1046	A -19 730
28		8.0A	40 29.604	-0.0004	18	-18 52 15.75	-0.053	13	0.31	29.612	18	33.8	14.89	16	33.8	A2 J	12B	1048	A -19 732
29		8.3A	40 34.962	-0.0003	17	-16 14 2.00	-0.012	12	0.29	34.968	18	33.8	1.81	16	33.8	GO J	12A	979	A -16 689
30		8.8A	40 59.472	0.0004	15	-11 52 10.66	-0.018	17	0.31	59.465	18	33.8	10.37	16	33.8	K5 J	11	858	A -12 698
31		8.8A	41 8.399	0.0005	17	-18 29 45.04	-0.028	13	0.30	8.392	18	33.8	44.58	16	33.8	K2 J	12B	1051	A -18 658
32		5.7T	41 10.364	-0.0014	04	-10 38 33.90	-0.016	04	0.18	10.426	07	05.2	33.20	07	06.1	A0	GC	4460	B*-10 729
33		8.8A	41 35.332	0.0037	21	-16 36 5.00	0.006	15	0.34	35.271	18	33.8	5.10	16	33.8	K2 J	12A	980	A -16 692
34		7.3T	41 39.783	0.0233	18	-19 16 12.10	0.153	16	0.79	38.760	18	06.1	19.24	17	03.3	K0	GC	4471	-19 733
35		9.0A	41 42.591	-0.0027	15	-14 15 14.57	0.023	11	0.27	42.635	18	33.8	14.95	16	33.8	F5 J	12A	981	A -14 738
36		9.1A	42 6.868	0.0003	15	-13 30 51.71	0.015	18	0.32	6.863	18	33.8	51.96	16	33.8	K2 J	11	864	A -13 728
37		8.0A	42 7.483	-0.0028	20	-12 12 53.28	-0.001	20	0.36	7.528	18	33.8	53.27	16	33.8	F0 J	11	863	A -12 702
38		9.1A	42 7.732	-0.0018	17	-16 12 14.36	-0.028	15	0.31	7.762	18	33.8	13.91	16	33.8	K5 J	12A	983	A -16 694
39		9.0A	42 17.933	0.0003	17	-18 26 49.80	-0.009	13	0.30	17.929	18	33.8	49.64	16	33.8	A2 J	12B	1058	A -18 661
40		8.5A	42 19.347	-0.0011	15	-10 55 54.69	-0.058	17	0.31	19.365	18	33.8	53.75	16	33.8	GO J	11	865	A -11 726
41		8.2A	42 20.195	-0.0009	17	-10 24 14.19	-0.051	18	0.33	20.210	18	33.8	13.36	16	33.8	K2 J	11	866	A -10 736
42		9.0A	42 23.287	-0.0027	18	-11 56 56.83	-0.048	20	0.35	23.331	18	33.8	56.06	16	33.8	K0 J	11	867	A -12 703
43		8.5A	42 25.003	0.0011	21	-13 37 25.31	-0.046	15	0.34	24.985	18	33.8	24.57	16	33.8	G5 J	12A	984	A -13 729
44		8.8A	42 47.119	0.0019	17	-18 13 16.40	0.022	12	0.29	47.088	18	33.8	16.75	16	33.8	K2 J	12B	1060	A -18 663
45		8.5A	42 47.505	0.0005	18	-19 17 25.04	-0.005	13	0.31	47.496	18	33.8	24.96	16	33.8	GO J	12B	1061	A -19 737
46		9.0A	42 53.873	-0.0009	18	-14 40 9.87	-0.010	13	0.31	53.887	18	33.8	9.71	16	33.8	F2 J	12A	985	A -14 741
47		8.4A	42 54.544	0.0030	21	-16 33 59.07	0.007	15	0.34	54.496	18	33.8	59.19	16	33.8	F0 J	12A	986	A -16 696
48		9.2A	43 0.190	0.0039	21	-16 38 42.06	0.007	15	0.34	0.127	18	33.8	42.16	16	33.8	M J	12A	987	A -16 697
49		9.1A	43 1.908	0.0008	18	-19 17 53.18	-0.062	13	0.31	1.896	18	33.8	52.17	16	33.8	F8 J	12B	1064	A -19 738
50		7.6T	43 12.964	0.0001	18	-15 31 42.13	-0.018	16	0.78	12.961	21	07.1	41.33	19	04.7	K0	GC	4508	-15 649
51		8.7A	3 43 14.440	-0.0007	17	-10 26 39.39	0.021	18	0.33	14.450	18	33.8	39.73	16	33.8	F2 J	11	869	A -10 739
52		9.3A	43 20.993	0.0002	20	-13 28 59.18	0.048	20	0.36	20.990	18	33.8	59.96	16	33.8	A5 J	11	870	A -13 733
53		8.7A	43 21.779	-0.0020	15	-13 29 16.88	-0.033	17	0.31	21.812	18	33.8	16.35	16	33.8	A5 J	11	871	A -13 733
54		8.5A	43 22.387	0.0092	21	-17 17 56.22	-0.029	15	0.34	22.238	18	33.8	55.76	16	33.8	F0 J	12A	989	A -17 723
55		8.8A	43 22.580	-0.0015	15	-13 7 4.55	-0.007	17	0.31	22.604	18	33.8	4.44	16	33.8	K0 J	11	872	A -13 732
56		8.9A	43 32.067	-0.0010	20	-19 7 37.24	-0.016	15	0.33	32.084	18	33.8	36.98	16	33.8	K5 J	12B	1070	A -19 739
57		8.6A	43 40.225	0.0007	21	-16 54 23.88	-0.032	15	0.34	40.214	18	33.8	23.37	16	33.8	K5 J	12A	990	A -17 724
58		4.6T	43 46.541	0.0028	04	-12 15 25.99	0.059	04	0.23	46.404	12	01.0	29.21	12	95.3	M0	GC	4525	B*-12 707
59		9.0A	43 47.067	-0.0001	18	-15 18 11.93	0.009	13	0.31	47.068	18	33.8	12.08	16	33.8		12A	991	A -15 651
60		7.0T	43 49.229	-0.0004	14	-10 2 16.92	-0.012	13	0.75	49.249	24	98.5	16.30	24	98.0	K0	GC	4528	-10 741
61		9.2A	43 51.681	-0.0001	18	-15 19 13.63	0.007	13	0.31	51.682	18	33.8	13.75	16	33.8		12A	992	A -15 652
62		9.1A	44 12.157	-0.0040	17	-19 5 17.45	0.002	13	0.30	12.221	18	33.8	17.48	16	33.8	K0 J	12B	1074	A -19 742
63		8.3A	44 13.119	-0.0003	18	-15 24 12.17	-0.009	13	0.31	13.123	18	33.8	12.02	16	33.8	A0 J	12A	993	A -15 654
64		8.9A	44 14.187	-0.0005	15	-12 34 52.93	0.010	17	0.31	14.196	18	33.8	53.10	16	33.8	G5 J	11	877	A -12 708
65		9.1A	44 25.084	0.0017	17	-17 40 12.68	-0.003	13	0.30	25.056	18	33.8	12.62	16	33.8	F5 J	12B	1076	A -17 727
66		8.1A	44 36.849	0.0003	21	-14 37 56.11	-0.021	15	0.34	36.843	18	33.8	55.77	16	33.8	K0 J	12A	995	A -14 749
67		8.3A	44 45.197	0.0005	15	-11 38 35.28	0.046	15	0.30	45.189	18	33.8	36.03	16	33.8	GO J	11	879	A -11 736
68		8.9A	44 52.977	0.0022	17	-19 18 15.64	0.018	11	0.28	52.941	18	33.8	15.93	16	33.8	K0 J	12B	1077	A -19 744
69		9.1A	44 56.622	0.0005	18	-18 57 34.90	0.005	13	0.31	56.613	18	33.8	34.98	16	33.8	GO J	12B	1078	A -19 745
70		8.6A	44 56.767	0.0013	18	-15 29 19.91	-0.042	13	0.31	56.746	18	33.8	19.24	16	33.8	K5 J	12A	996	A -15 657
71		8.4A	45 3.152	0.0005	18	-14 55 23.00	0.022	13	0.31	3.144	18	33.8	23.36	16	33.8	K0 J	12A	997	A -15 659
72		8.6A	45 9.204	-0.0003	18	-15 11 29.94	0.009	13	0.31	9.208	18	33.8	30.09	16	33.8	K2 J	12A	998	A -15 660
73		7.6A	45 14.489	-0.0018	18	-17 40 37.02	-0.023	13	0.31	14.518	18	33.8	36.64	16	33.8	K2 J	12B	1080	A -17 730
74		8.1A	45 37.202	-0.0017	18	-15 15 26.91	-0.004	13	0.31	37.230	18	33.8	26.85	16	33.8	K2 J	12A	1000	A -15 664
75		9.1A	45 49.464	0.0005	18	-19 48 56.03	0.020	13	0.30	49.456	18	33.8	56.36	16	33.8	A0 J	13A	1081	A -20 712
76		9.1A	45 52.201	0.0010	21	-16 50 5.04	-0.031	15	0.34	52.184	18	33.8	4.55	16	33.8		12A	1001	A -17 732
77		9.0A	45 59.163	-0.0042	17	-16 5 27.00	-0.174	12	0.29	59.232	18	33.8	24.19	16	33.8		12A	1002	A -16 705
78		8.1A	46 5.404	-0.0019	15	-13 27 31.87	-0.012	17	0.31	5.435	18	33.8	31.68	16	33.8	K0 J	11	881	A -13 743
79		8.3A	46 6.773	0.0064	15	-11 55 29.23	0.025	17	0.31	6.669	18	33.8	29.64	16	33.8	F8 J	11	880	A -12 716
80		8.7A	46 8.859	0.0009	21	-13 48 9.75	0.005	15	0.34	8.844	18	33.8	9.83	16	33.8	K0 J	12A	1003	A -14 752
81		8.7A	46 12.178	0.0000	17	-13 41 20.71	-0.007	15	0.31	12.178	18	33.8	20.60	16	33.8	K2 J	12A	1004	A -13 745
82		8.7A	46 30.596	-0.0015	15	-12 12 42.36	-0.006	17	0.31	30.620	18	33.8	42.27	16	33.8	K0 J	11	885	A -12 719
83		8.3A	46 40.774	0.0023	15	-13 17 21.45	0.003	17	0.31	40.737	18	33.8	21.50	16	33.8	K2 J	11	886	A -13 747
84		9.3A	46 49.280	0.0014	17	-19 9 35.70	0.005	12	0.29	49.258	18	33.8	35.78	16	33.8	K7 J	12B	1089	A -19 748
85		9.0A	46 51.439	0.0003	15	-11 45 19.76	-0.018	17	0.31	51.433	18	33.8	19.47	16	33.8	G5 J	11	887	A -12 720
86		8.6A	46 56.435	-0.0049	17	-18 7 22.54	-0.023	13	0.30	56.514	18	33.8	22.16	16	33.8	G5 J	12B	1090	A -18 673
87		8.7A	47 7.852	0.0021	20	-18 5 38.96	-0.001	15	0.33	7.819	18	33.8	38.93	16	33.8	F2 J	12B	1091	A -18 675
88		9.1A	47 8.121	0.0015	18	-18 11 57.67	0.004	13	0.31	8.097	18	33.8	57.72	16	33.8	M0 J	12B	1092	A -18 674
89		9.2A	47 10.157	0.0024	20	-17 36 36.62	-0.009	15	0.33	10.118	18	33.8	36.46	16	33.8	GO J	12B	1093	A -17 734
90		9.2A	47 13.151	0.0010	17	-16 47 25.33	-0.031	12	0.29	13.135	18	33.8	24.84	16	33.8	F0 J	12A	1006	A -17 735
91		8.5A	47 15.404	-0.0011	20	-16 26 45.90	-0.314	15	0.33	15.423	18	33.8	45.66	16	33.8	K0 J	12B	1096	A -18 676
92		8.5A	47 23.919	0.0023	17	-14 2 16.76	0.003	12	0.29	23.882	18	33.8	16.81	16	33.8	G5 J	12A	1007	A -14 757
93		8.9A	47 24.495	-0.0006	18	-19 50 57.30	-0.009	13	0.30	24.505	18	33.8	57.16	16	33.8	GO J	13A	1097	A -20 717
94		9.2A	47 36.558	-0.0016	18	-15 51 5.36	0.012	13	0.31	36.584	18	33.8	5.58	16	33.8		12A	1008	A -16 708
95		8.2A	47 41.728	0.0000	15	-11 17 27.83	0.018	17	0.31	41.727	18	33.8	28.12	16	33.8	F8 J	11	888	A -11 745
96		8.6A	47 53.026	0.0001	15	-11 53 31.70	-0.017	15	0.30	53.024	18	33.8	31.43	16	33.8	F0 J	11	890	A -12 725
97		7.8A	47 53.496	0.0046	18	-16 55 33.97	-0.016	13	0.31	53.422	18	33.8	33.72	16	33.8	K0 J	12A	1009	A -17 738
98		8.2A	47 55.535	0.0022	21	-16 47 15.09	-0.014	15	0.34	55.499	18	33.8	14.87	16	33.8	A5 J	12A	1010	A -17 739
99		7.2T	47 59.429	-0.0002	16	-18 53 45.70	0.021	15	0.80	59.439	24	00.8	46.75	22	99.8	A0	GC	4532	-19 751
00		8.6A	48 1.242	0.0029	17	-19 56 35.84	0.069	12	0.28	1.195	16	33.8	36.96	16	33.8	F5 J	13A	1102	A -20 720

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NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	CAT.	STAR NUMBER	DM NUMBER
1		8.4A	3 48 1.958	-0.0024	15	-10 28 11.13	0.027	15	0.30	1.997	18	33.8	11.57	16	33.8	F5 J	11	891	A -10 757
2		8.8A	48 8.042	0.0009	15	-12 29 23.96	0.016	17	0.31	8.027	18	33.8	24.22	16	33.8	F8 J	11	892	A -12 727
3		8.0A	48 13.513	-0.0026	15	-12 8 45.01	0.031	17	0.31	13.555	18	33.8	45.51	16	33.8	F8 J	11	893	A -12 729
4		8.3A	48 13.959	0.0016	18	-16 50 20.90	-0.054	13	0.31	13.933	18	33.8	20.03	16	33.8	K2 J	12A	1011	A -17 742
5		8.9A	48 19.460	-0.0006	21	-15 4 41.37	-0.009	15	0.34	19.470	18	33.8	41.23	16	33.8	F5 J	12A	1012	A -15 676
6		8.1A	48 26.984	0.0004	18	-15 45 57.29	0.013	13	0.31	26.977	18	33.8	57.51	16	33.8	K2 J	12A	1013	A -16 710
7		9.1A	48 36.619	-0.0001	17	-16 19 51.64	-0.053	12	0.29	36.622	18	33.8	50.79	16	33.8	G0 J	12A	1014	A -16 711
8		8.7A	48 37.270	-0.0001	18	-12 1 6.19	0.009	20	0.35	37.271	18	33.8	6.34	16	33.8	F0 J	11	895	A -12 731
9		8.4A	48 44.600	0.0021	18	-14 51 26.50	-0.016	13	0.31	44.566	18	33.8	26.24	16	33.8	F8 J	12A	1015	A -15 677
10		8.6A	48 47.247	-0.0024	21	-15 23 7.91	-0.008	15	0.34	47.285	18	33.8	7.79	16	33.8	F8 J	12A	1016K	A -15 678
11		8.6A	48 57.704	-0.0002	17	-19 3 36.51	0.011	13	0.30	57.707	18	33.8	36.69	16	33.8	A0 J	12B	1105K	A -19 756
12		8.6A	49 16.577	-0.0047	21	-17 18 53.58	-0.063	15	0.34	16.653	18	33.8	52.57	16	33.8	K0 J	12A	1017	A -17 744
13		9.0A	49 21.441	-0.0006	15	-12 54 24.15	-0.062	17	0.31	21.451	18	33.8	23.15	16	33.8	F8 J	11	896	A -13 737
14		9.0A	49 28.349	0.0012	18	-17 17 6.17	0.043	13	0.31	28.330	18	33.8	6.87	16	33.8	G0 J	12A	1018	A -17 745
15		8.3A	49 30.314	-0.0034	13	-10 40 39.05	-0.134	15	0.29	30.368	18	33.8	36.88	16	33.8	F2 J	11	897	A -10 763
16		8.7A	49 32.980	-0.0003	21	-13 44 9.43	0.009	15	0.34	32.985	18	33.8	9.58	16	33.8	K5 J	12A	1019	A -14 763
17		9.0A	49 33.621	0.0035	18	-17 57 30.53	0.040	15	0.32	33.564	18	33.8	31.17	16	33.8	G0 J	12B	1107	A -18 683
18		7.6A	49 33.636	0.0015	15	-12 7 1.24	0.046	17	0.31	33.612	18	33.8	1.99	16	33.8	M0 J	11	898	A -12 737
19		8.9A	49 52.760	0.0008	17	-18 43 26.16	0.030	12	0.29	52.747	18	33.8	26.64	16	33.8	F2 J	12B	1109	A -19 759
20		8.0A	49 56.907	0.0008	21	-14 0 52.17	-0.011	15	0.34	56.894	18	33.8	52.00	16	33.8	K2 J	12A	1020	A -14 765
21		8.6A	50 0.218	0.0008	18	-17 40 43.33	-0.032	13	0.31	0.205	18	33.8	42.80	16	33.8	K2 J	12B	1111	A -17 746
22		9.0A	50 14.718	0.0016	21	-17 3 53.31	-0.014	15	0.34	14.692	18	33.8	53.09	16	33.8	K J	12A	1022	A -17 747
23		7.9A	50 16.974	-0.0011	21	-15 53 23.06	0.010	15	0.34	16.993	18	33.8	23.23	16	33.8	K0 J	12A	1023	A -16 717
24		8.7A	50 34.168	0.0006	18	-14 15 32.79	0.014	13	0.31	34.159	18	33.8	33.02	16	33.8	F2 J	12A	1024	A -14 766
25		9.3A	50 35.394	-0.0001	21	-17 14 1.93	0.000	15	0.34	35.397	18	33.8	1.94	16	33.8	K5 J	12A	1025	A -17 749
26		8.9A	50 36.191	-0.0040	17	-18 20 21.13	0.064	13	0.30	36.256	18	33.8	22.16	16	33.8	F8 J	12B	1115	A -18 689
27		6.6A	50 42.326	0.0011	17	-18 36 26.13	-0.001	12	0.29	42.309	18	33.8	26.11	16	33.8	K2 J	12B	1117	A -18 690
28		8.1A	50 44.213	0.0015	21	-13 48 58.85	-0.038	15	0.34	44.189	18	33.8	58.24	16	33.8	G5 J	12A	1026	A -14 767
29		6.4T	50 58.131	-0.0001	11	-18 34 54.70	0.010	09	0.40	58.135	09	10.3	55.09	09	11.2	F2	GC	4687	-18 691
30		8.1A	51 0.953	0.0008	15	-10 41 33.64	0.004	17	0.31	0.940	18	33.8	33.70	16	33.8	K0 J	11	901	A -10 771
31		8.8A	51 2.339	-0.0007	18	-19 26 8.70	-0.054	13	0.31	2.350	18	33.8	7.83	16	33.8	F5 J	12B	1122	A -19 763
32		7.2T	51 12.095	0.0009	22	-15 7 1.97	0.031	18	0.97	12.055	24	05.5	3.47	21	02.0	K2	GC	4692	-15 683
33		8.9A	51 20.767	-0.0002	18	-14 4 20.59	-0.009	13	0.31	20.770	18	33.8	20.45	16	33.8	F2 J	12A	1028	A -14 769
34		8.1A	51 25.754	0.0013	18	-12 52 48.85	-0.021	20	0.35	25.733	18	33.8	48.50	16	33.8	K0 J	11	902	A -13 765
35		8.0A	51 37.727	0.0001	17	-14 8 29.33	-0.006	15	0.31	37.726	18	33.8	29.24	16	33.8	A2 J	12A	1029	A -14 772
36		7.2A	51 38.709	-0.0038	15	-12 35 44.86	0.004	17	0.31	38.771	18	33.8	44.93	16	33.8	G5 J	11	903	A -12 744
37		8.4A	51 51.515	-0.0017	15	-10 34 37.66	0.044	17	0.31	51.542	18	33.8	38.37	16	33.8	A0 J	11	904	A -10 774
38		8.9A	52 3.713	-0.0003	17	-18 23 12.34	0.007	13	0.30	3.718	18	33.8	12.44	16	33.8	G5 J	12B	1126	A -18 695
39		8.7A	52 11.311	-0.0011	18	-13 58 6.12	-0.028	13	0.31	11.328	18	33.8	5.67	16	33.8	F0 J	12A	1030	A -14 775
40		8.8A	52 19.177	0.0012	18	-19 31 57.68	0.012	13	0.31	19.158	18	33.8	57.88	16	33.8	K2 J	12B	1130	A -19 771
41		8.8A	52 24.825	0.0043	15	-10 50 22.53	0.028	17	0.31	24.755	18	33.8	22.98	16	33.8	G0 J	11	907	A -11 759
42		8.7A	52 25.170	0.0015	18	-16 35 1.62	0.053	13	0.31	25.145	18	33.8	2.49	16	33.8	A J	12A	1032	A -16 727
43		9.1A	52 25.246	0.0007	18	-15 4 49.57	-0.062	13	0.31	25.234	18	33.8	48.57	16	33.8	F8 J	12A	1031	A -15 686
44		8.4A	52 26.261	-0.0011	15	-11 57 34.78	-0.013	17	0.31	26.279	18	33.8	34.57	16	33.8	A2 J	11	908	A -12 746
45		9.2A	52 29.095	0.0012	17	-16 20 47.17	-0.033	12	0.29	29.076	18	33.8	46.64	16	33.8	G5 J	12A	1033	A -16 728
46		8.8A	52 29.839	0.0009	21	-17 30 14.45	-0.018	15	0.34	29.825	18	33.8	14.15	16	33.8	A J	12A	1034	A -17 752
47		8.6A	52 31.201	0.0031	17	-17 36 53.95	-0.022	12	0.29	31.151	18	33.8	53.58	16	33.8	K5 J	12B	1133	A -17 754
48		8.8A	52 32.817	0.0019	20	-19 57 26.04	0.016	15	0.32	32.787	18	33.8	26.31	16	33.8	F8 J	13A	1134	A -20 736
49		8.5A	52 33.286	0.0003	21	-17 9 20.76	-0.017	15	0.34	33.280	18	33.8	20.49	16	33.8	A3 J	12A	1036	A -17 755
50		7.4T	52 40.161	0.0018	16	-15 3 4.74	-0.005	14	0.70	40.083	18	06.7	4.51	17	02.8	M0	GC	4725	-15 687
51		5.9T	3 52 54.996	-0.0042	11	-12 14 38.60	-0.039	10	0.59	55.211	18	98.8	36.52	17	96.8	F0	GC	4729	-12 752
52		9.2A	52 58.857	0.0010	21	-16 33 38.16	-0.015	15	0.34	58.840	18	33.8	37.92	16	33.8	F5 J	12A	1038	A -16 729
53		9.1A	53 3.664	0.0007	21	-16 17 36.10	0.010	15	0.34	3.653	18	33.8	36.27	16	33.8	G0 J	12A	1039	A -16 732
54		9.0A	53 11.015	0.0019	21	-16 59 55.58	0.012	15	0.34	10.984	18	33.8	55.78	16	33.8	G5 J	12A	1040	A -17 756
55		8.2A	53 14.061	-0.0013	18	-10 40 53.88	0.010	20	0.35	14.083	18	33.8	54.05	16	33.8	A2 J	11	910	A -10 783
56		9.1A	53 14.449	0.0026	17	-14 14 22.69	-0.028	12	0.29	14.408	18	33.8	22.24	16	33.8	K0 J	12A	1041	A -14 780
57		8.8A	53 19.556	0.0009	21	-16 38 13.51	0.008	15	0.34	19.542	18	33.8	13.64	16	33.8	K0 J	12A	1042	A -16 733
58		9.0A	53 21.878	-0.0043	18	-19 37 37.24	-0.061	13	0.30	21.948	18	33.8	36.26	16	33.8	G5 J	13A	1140	A -19 777
59		8.3A	53 28.281	0.0002	18	-17 50 38.08	-0.010	13	0.31	28.277	18	33.8	37.91	16	33.8	F2 J	12B	1141	A -18 701
60		7.5T	53 32.842	0.0006	22	-19 34 43.44	0.022	20	0.91	32.818	22	09.0	44.39	21	07.4	K0	GC	4739	-19 778
61		9.0A	53 36.308	-0.0002	15	-10 7 37.03	0.005	18	0.32	36.311	18	33.8	37.11	16	33.8	F5 J	11	911	A -10 785
62		8.9A	53 37.506	-0.0023	15	-10 28 49.18	0.006	18	0.32	37.543	18	33.8	49.28	16	33.8	K0 J	11	912	A -10 786
63		8.2A	53 49.160	-0.0002	15	-10 48 11.82	-0.014	17	0.31	49.163	18	33.8	11.59	16	33.8	G5 J	11	914K	A -11 762
64		8.4A	53 49.993	-0.0007	21	-13 54 33.14	0.025	15	0.34	50.005	18	33.8	33.55	16	33.8	B9 J	12A	1044	A -14 781
65		9.0A	53 53.870	-0.0006	21	-14 4 10.02	-0.034	15	0.34	53.880	18	33.8	9.47	16	33.8	K0 J	12A	1045	A -14 782
66		8.9A	54 1.937	0.0028	18	-19 43 25.44	0.023	13	0.30	1.892	16	33.8	25.82	16	33.8	F5 J	13A	1146	A -20 743
67		6.7T	54 7.764	0.0002	04	-13 44 30.07	0.008	04	0.23	7.755	10	97.6	30.52	10	94.8	K5	GC	4748	B+-14 783
68		6.6T	54 8.704	0.0059	18	-10 59 49.41	0.058	17	0.86	8.431	24	03.8	52.21	22	01.7	F5	GC	4749	-11 764
69		8.8A	54 9.136	-0.0020	18	-10 23 36.56	-0.033	20	0.35	9.168	18	33.8	36.03	16	33.8	G J	11	916	A -10 789
70		9.3A	54 10.042	-0.0015	15	-10 24 45.38	-0.048	17	0.31	10.067	18	33.8	44.60	16	33.8		11	917	A -10 790
71		8.7A	54 26.954	0.0000	15	-13 28 23.63	0.026	17	0.31	26.953	18	33.8	24.05	16	33.8	F0 J	11	920	A -13 774
72		9.0A	54 37.463	0.0071	17	-17 52 52.49	-0.040	13	0.30	37.349	18	33.8	51.83	16	33.8	G5 J	12B	1150	A -18 703
73		8.8A	54 46.486	0.0005	17	-13 46 28.55	0.080	12	0.29	46.478	18	33.8	29.85	16	33.8	F5 J	12A	1048	A -14 786
74		9.3A	54 47.019	-0.0011	21	-13 44 5.06	-0.050	15	0.34	47.037	18	33.8	4.25	16	33.8		12A	1049	A -14 787
75		8.4A	54 47.893	0.0018	17	-18 41 50.78	-0.019	12	0.29	47.863	18	33.8	50.47	16	33.8	K5 J	12B	1151	A -18 705
76		9.0A	54 53.513	0.0010	21	-16 14 17.86	-0.022	15	0.34	53.497	18	33.8	17.51	16	33.8	K0 J	12A	1050	A -16 741
77		8.9A	55 8.203	-0.0014	17	-17 40 34.24	0.001	12	0.29	8.225	18	33.8	34.25	16	33.8	K0 J	12B	1153	A -17 760
78		8.6A	55 11.134	0.0011	17	-13 31 5.14	0.042	18	0.33	11.116	18	33.8	5.82	16	33.8	K0 J	11	925	A -13 778
79		8.9A	55 11.135	-0.0024	15	-11 35 56.64	-0.021	17	0.31	11.174	18	33.8	56.30	16	33.8	K0 J	11	923	A -11 768
80		8.6A	55 24.306	0.0011	18	-12 3 3.17	-0.011	20	0.35	24.287	18	33.8	3.00	16	33.8	F0 J	11	926	A -12 756
81		8.9A	55 32.667	0.0031	18	-18 20 7.57	-0.046	13	0.31	32.617	18	33.8	6.82	16	33.8	G0 J	12B	1154	A -18 708
82		8.9A	55 38.069	0.0015	17	-13 29 4.20	0.001	18	0.33	38.045	18	33.8	4.22	16	33.8	F0 J	11	928	A -13 780
83		3.2M	55 41.672	0.0039	01	-13 38 58.17	-0.110	01	0.04	41.515	02	09.3	53.68	02	09.1	K5	F4	149	-13 781
84		8.7A	55 49.977	-0.0007	20	-18 18 52.59	-0.021	15	0.35	49.988	18	33.8	52.24	16	33.8	M0 J	12B	1156	A -18 710
85		9.0A	55 50.315	0.0028	18	-19 34 26.12	0.013	15	0.30	50.271	16	33.8	26.34	16	33.8	F5 J	13A	1157	A -19 789
86		8.8A	55 50.848	-0.0001	17	-16 23 4.11	-0.034	12	0.29	50.851	18	33.8	3.56	16	33.8	K2 J	12A	1053	A -16 745
87		9.1A	55 58.074	0.0025	21	-17 31 6.25	-0.016	15	0.34	58.034	18	33.8	5.98	16	33.8	K0 J	12A	1054	A -17 765
88		9.1A	56 9.051	-0.0002	17	-17 48 17.20	-0.005	12	0.29	9.055	18	33.8	17.11	16	33.8	K5 J	12B	1159	A -18 712
89		9.0A	56 13.678	0.0027	21	-15 14 29.60	-0.037	15	0.34	13.634	18	33.8	29.01	16	33.8	F8 J	12A	1056	A -15 693
90		9.1A	56 16.230	0.0010	17	-18 4 47.43	-0.018	13	0.30	16.214	18	33.8	47.13	16	33.8	A2 J	12B	1160	A -18 713
91		9.0A	56 26.259	-0.0003	18	-11 43 11.56	0.021	20	0.35	26.264	18	33.8	11.90	16	33.8	F5 J	11	930	A -12 762
92		8.5A	56 35.014	-0.0022	18	-12 48 40.68	-0.001	20	0.35	35.050	18	33.8	40.66	16	33.8	F5 J	11	931	A -13 784
93		8.3A	56 36.741	-0.0008	20	-11 34 34.35	-0.013	20	0.36	36.754	18	33.8	34.14	16	33.8	F5 J	11	932	A -11 770
94		9.4A	56 42.201	0.0010	21	-17 22 16.85	0.009	15	0.34	42.184	18	33.8	17.00	16	33.8	G0 J	12A	1057	A -17 766
95		8.5A	56 45.985	0.0020	18	-12 31 10.02	-0.008	20	0.35	45.953	18	33.8	9.89	16	33.8	F0 J	11	933	A -12 764
96		8.9A	56 53.690	0.0017	18	-19 4 58.27	-0.014	13	0.31	53.662	18	33.8	58.04	16	33.8	G5 J	12B	1162	A -19 792
97		8.9A	56 59.939	-0.0029	15	-10 7 22.06	-0.040	17	0.31	59.986	18	33.8	21.41	16	33.8	F8 J	11	934	A -10 807
98		8.1A	57 3.566	-0.0006	21	-15 16 49.19	-0.005	15	0.34	3.575	18	33.8	49.11	16	33.8	F5 J	12A	1058	A -15 696
99		5.9T	57 9.267	-0.0012	08	-12 42 53.38	-0.031	08	0.35	9.315	12	10.1	52.08	12	08.2	G5	GC	4791	B+-12 766
00		8.3A	57 13.607	0.0039	18	-10 27 50.29	0.053	20	0.35	13.543	18	33.8	51.15	16	33.8	G0 J	11	936K	A -10 808

149300

EPOCH 1950 — ORIGINAL EPOCH — -10° 3H

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	CAT.	SOURCE STAR NUMBER	DM NUMBER
1		9.1A	3 57 20.609	0.0020	18	-10 37 29.92	-0.017	20	0.35	20.577	18	33.8	29.64	16	33.8		11	937	A -10 809
2		8.8A	57 23.952	-0.0001	21	-13 41 16.35	0.013	15	0.34	23.954	18	33.8	16.56	16	33.8	FO J	12A	1059	A -13 788
3		8.4A	57 31.463	0.0010	15	-18 3 11.71	0.025	12	0.28	31.448	18	33.8	12.10	16	33.8	K5 J	12B	1167	A -18 717
4		8.6A	57 33.301	-0.0014	21	-16 55 56.80	-0.001	15	0.34	33.324	18	33.8	56.79	16	33.8	K2 J	12A	1060	A -17 771
5		7.1T	57 46.579	-0.0003	14	-19 23 14.61	-0.044	12	0.70	46.594	24	02.3	12.33	21	98.2	F8	GC	4800	-19 796
6		8.2A	57 46.784	0.0004	15	-12 33 47.73	-0.006	17	0.31	46.777	18	33.8	47.64	16	33.8	K0 J	11	939	A -12 768
7		9.2A	57 48.559	0.0010	18	-19 19 19.88	-0.007	13	0.31	48.543	18	33.8	19.76	16	33.8		12B	1169	A -19 797
8		8.8A	57 51.623	0.0009	18	-10 48 26.83	0.014	20	0.35	51.608	18	33.8	27.06	16	33.8	A3 J	11	940	A -11 777
9		9.4A	57 58.844	-0.0009	21	-15 44 49.95	0.004	15	0.34	58.859	18	33.8	50.02	16	33.8	A0 J	12A	1061	A -16 752
10		9.2A	58 4.908	0.0008	17	-13 46 59.43	-0.005	12	0.29	4.894	18	33.8	59.35	16	33.8	K0 J	12A	1062	A -14 797
11		9.2A	58 16.313	-0.0002	17	-18 16 1.94	-0.016	13	0.30	16.316	18	33.8	1.67	16	33.8	K7 J	12B	1171	A -18 718
12		8.6A	58 19.541	0.0048	15	-12 59 57.24	-0.010	17	0.31	19.463	18	33.8	57.08	16	33.8	F2 J	11	942	A -13 790
13		9.0A	58 19.614	-0.0027	21	-17 8 38.81	-0.067	15	0.34	19.657	18	33.8	37.73	16	33.8	F5 J	12A	1063	A -17 774
14		9.0A	58 31.920	-0.0019	18	-10 35 20.78	0.050	20	0.35	31.951	18	33.8	21.59	16	33.8	F0 J	11	943	A -10 813
15		9.3A	58 32.078	-0.0009	18	-10 35 9.40	0.016	20	0.35	32.093	18	33.8	9.66	16	33.8	F0 J	11	944	A -10 814
16		8.8A	58 32.484	0.0015	21	-17 14 49.37	-0.004	15	0.34	32.460	18	33.8	49.31	16	33.8	F8 J	12A	1064	A -17 775
17		7.9A	58 46.102	0.0011	16	-17 30 15.82	-0.008	13	0.31	46.085	18	33.8	15.68	16	33.8	K0 J	12A	1065	A -17 776
18		8.6Q	58 55.578	-0.0011	17	-16 0 6.17	-0.066	11	0.64	55.623	19	09.9	3.10	18	03.3	G5	GC	4827	-16 755
19		9.2A	59 6.765	-0.0002	15	-11 27 45.05	0.019	17	0.31	6.768	18	33.8	45.36	16	33.8	F5 J	11	946	A -11 781
20		9.2A	59 11.842	0.0007	21	-15 57 42.99	-0.016	15	0.34	11.831	18	33.8	42.74	16	33.8	K0 J	12A	1068	A -16 757
21		9.0A	59 18.138	0.0001	17	-13 57 51.66	0.061	12	0.29	18.137	18	33.8	52.65	16	33.8	A5 J	12A	1069	A -14 803
22		8.8A	59 21.903	0.0015	18	-18 39 30.06	-0.024	13	0.31	21.879	18	33.8	29.67	16	33.8	G0 J	12B	1180	A -18 726
23		8.9A	59 31.805	-0.0002	18	-18 16 18.79	0.007	13	0.31	31.808	18	33.8	18.89	16	33.8	A J	12B	1181	A -18 727
24		7.9A	59 35.693	-0.0003	20	-18 30 22.45	0.022	15	0.33	35.698	18	33.8	22.81	16	33.8	F2 J	12B	1182	A -18 728
25		9.1A	59 39.334	-0.0000	17	-16 11 55.17	-0.024	12	0.29	39.334	18	33.8	54.79	16	33.8	G5 J	12A	1070	A -16 760
26		9.0A	59 39.550	-0.0015	15	-10 37 11.80	-0.005	17	0.31	39.574	18	33.8	11.72	16	33.8	K0 J	11	948	A -10 818
27		9.2A	59 49.596	0.0020	15	-10 14 10.75	-0.021	17	0.31	49.564	18	33.8	10.41	16	33.8	F5 J	11	949	A -10 819
28		8.4A	4 0 9.441	0.0014	15	-11 33 7.25	0.036	15	0.30	9.418	18	33.8	7.84	16	33.8	F8 J	11	950	A -11 785
29		7.9A	0 17.519	0.0009	17	-19 38 9.27	-0.028	12	0.28	17.504	16	33.8	8.82	16	33.8	F8 J	13A	1187	A -19 800
30		8.7A	0 24.148	-0.0012	15	-11 4 7.01	0.006	17	0.31	24.167	18	33.8	7.11	16	33.8	F2 J	11	951	A -11 787
31		8.4A	0 26.519	-0.0016	17	-16 19 28.48	0.056	12	0.29	26.544	18	33.8	29.39	16	33.8	F5 J	12A	1071	A -16 765
32		8.8A	0 27.734	0.0025	18	-19 11 0.32	0.003	13	0.31	27.695	18	33.8	0.37	16	33.8	K2 J	12B	1188	A -19 801
33		8.6A	0 35.971	0.0019	15	-11 3 23.48	0.095	15	0.30	35.940	18	33.8	25.02	16	33.8	F2 J	11	952	A -11 788
34		9.1A	0 41.034	-0.0004	21	-17 3 43.59	-0.059	15	0.34	41.041	18	33.8	42.64	16	33.8	F8 J	12A	1072	A -17 783
35		8.9A	0 44.689	0.0007	15	-11 57 35.93	0.042	15	0.30	44.678	18	33.8	36.61	16	33.8	G5 J	11	953	A -12 780
36		8.8A	0 45.399	0.0001	21	-15 16 55.30	-0.086	15	0.34	45.397	18	33.8	53.91	16	33.8	F8 J	12A	1073	A -15 708
37		8.3A	1 1.289	0.0009	15	-10 41 27.24	0.005	17	0.31	1.275	18	33.8	27.32	16	33.8	K2 J	11	954	A -10 823
38		8.6A	1 19.880	0.0008	17	-13 37 21.08	-0.003	12	0.29	19.868	18	33.8	21.03	16	33.8	M0 J	12A	1074	A -13 804
39		9.2A	1 20.285	-0.0008	21	-16 57 36.12	-0.016	15	0.34	20.299	18	33.8	35.87	16	33.8	G0 J	12A	1075	A -17 786
40		8.6A	1 24.497	-0.0010	17	-15 53 23.88	-0.003	15	0.31	24.514	18	33.8	23.84	16	33.8	F0 J	12A	1076K	A -16 767
41		9.0A	1 30.109	0.0011	17	-18 25 49.75	0.025	12	0.29	30.091	18	33.8	50.14	16	33.8	F8 J	12B	1199	A -18 737
42		8.9A	1 31.531	0.0005	15	-11 1 57.29	0.012	18	0.32	31.522	18	33.8	57.49	16	33.8	K2 J	11	956	A -11 791
43		8.3A	1 40.243	-0.0006	15	-11 53 4.15	0.015	17	0.31	40.252	18	33.8	4.40	16	33.8	A0 J	11	957	A -12 784
44		8.9A	1 40.260	0.0014	17	-18 16 34.39	0.035	12	0.29	40.237	18	33.8	34.95	16	33.8	G5 J	12B	1201	A -18 738
45		6.5T	1 52.100	0.0067	17	-16 43 26.93	-0.075	16	0.77	51.805	22	05.7	23.50	21	04.1	K2	GC	4901	-16 770
46		8.2A	1 55.581	0.0005	21	-13 58 52.34	0.005	15	0.34	55.573	18	33.8	52.42	16	33.8	K2 J	12A	1078	A -14 810
47		8.9A	1 56.316	0.0025	15	-10 33 55.15	0.009	17	0.30	56.275	18	33.8	55.30	16	33.8	G5 J	11	958	A -10 828
48		8.7A	1 58.107	0.0016	15	-12 39 0.09	0.024	17	0.31	58.082	18	33.8	0.47	16	33.8	K5 J	11	959	A -12 786
49		8.2A	2 0.343	0.0004	21	-14 23 54.31	0.042	15	0.34	0.336	18	33.8	54.99	16	33.8	A3 J	12A	1079	A -14 812
50		8.0A	2 1.573	0.0009	21	-15 51 39.32	-0.028	15	0.34	1.559	18	33.8	38.87	16	33.8	M6 J	12A	1080	A -16 771
51		5.7T	4 2 2.204	0.0002	07	-12 55 42.21	0.014	07	0.27	2.197	07	12.0	42.74	07	12.0	G5	GC	4907	B*-13 806
52		7.9A	2 3.213	0.0068	15	-10 22 13.86	-0.023	17	0.31	3.103	18	33.8	13.49	16	33.8	G0 J	11	960	A -10 831
53		7.6A	2 4.866	0.0008	18	-19 36 18.43	-0.001	13	0.30	4.854	18	33.8	18.42	16	33.8	A0 J	13A	1204	A -19 806
54		9.0A	2 21.772	-0.0004	21	-15 10 10.89	-0.002	15	0.34	21.765	18	33.8	10.86	16	33.8	A2 J	12A	1081	A -15 712
55		8.4A	2 24.268	-0.0030	15	-11 56 51.53	-0.076	17	0.31	24.317	18	33.8	50.30	16	33.8	F5 J	11	962	A -12 788
56		8.7A	2 24.593	-0.0008	17	-14 23 7.05	-0.026	12	0.29	24.606	18	33.8	6.63	16	33.8	K2 J	12A	1082	A -14 813
57		9.4A	2 32.113	-0.0008	21	-16 58 56.83	-0.016	15	0.34	32.125	18	33.8	56.58	16	33.8		12A	1083	A -17 788
58		7.7A	2 34.709	0.0005	15	-11 56 2.96	0.043	17	0.31	34.700	18	33.8	3.66	16	33.8	A0 J	11	963	A -12 789
59		9.0A	2 38.280	0.0070	17	-18 5 20.06	-0.066	13	0.30	38.168	18	33.8	18.98	16	33.8	G0 J	12B	1210	A -18 742
60		9.4A	2 55.449	-0.0005	21	-15 49 56.17	-0.113	15	0.34	55.458	18	33.8	54.34	16	33.8	F5 J	12A	1084	A -16 774
61		8.9A	2 55.558	-0.0005	21	-16 58 11.94	0.015	15	0.34	55.566	18	33.8	12.19	16	33.8	F0 J	12A	1085	A -17 789
62		8.9A	3 3.196	0.0005	15	-13 7 40.78	-0.003	15	0.30	3.188	18	33.8	40.74	16	33.8	F5 J	11	964	A -13 809
63		9.2A	3 4.290	0.0001	21	-17 20 52.57	0.005	15	0.34	4.289	18	33.8	52.66	16	33.8	F8 J	12A	1086	A -17 790
64		8.8A	3 7.881	0.0009	21	-15 50 38.65	-0.012	15	0.34	7.867	18	33.8	38.46	16	33.8	F0 J	12A	1087	A -16 775
65		8.9A	3 21.171	-0.0029	18	-14 10 6.38	-0.005	13	0.31	21.219	18	33.8	6.31	16	33.8	K0 J	12A	1088	A -14 816
66		8.7A	3 21.391	-0.0002	17	-11 45 42.36	0.012	18	0.33	21.393	18	33.8	42.56	16	33.8	A5 J	11	965	A -12 793
67		8.2A	3 25.945	-0.0024	18	-15 5 45.84	-0.157	13	0.31	25.983	18	33.8	43.30	16	33.8	F5 J	12A	1089	A -15 715
68		7.3T	3 30.969	0.0018	14	-10 25 48.27	-0.003	12	0.61	30.890	21	06.3	48.13	19	04.7	MB	GC	4935	-10 834
69		8.4A	3 34.657	-0.0013	18	-14 9 4.78	-0.052	13	0.31	34.678	18	33.8	3.94	16	33.8	A5 J	12A	1090	A -14 818
70		8.9A	3 36.144	-0.0006	15	-11 50 1.85	-0.019	17	0.31	36.154	18	33.8	1.55	16	33.8	K0 J	11	967	A -12 796
71		8.4A	3 42.012	0.0032	21	-14 51 39.85	0.007	15	0.34	41.961	18	33.8	39.96	16	33.8	K2 J	12A	1091	A -15 717
72		8.7A	3 57.411	-0.0025	15	-12 2 39.62	-0.016	17	0.31	57.452	18	33.8	39.37	16	33.8	F2 J	11	968	A -12 798
73		7.2A	4 3.354	0.0012	18	-19 38 48.52	-0.025	13	0.30	3.334	16	33.8	48.12	16	33.8	K5 J	13A	1218	A -19 820
74		8.5A	4 12.726	-0.0030	18	-13 20 38.72	-0.024	20	0.35	12.774	18	33.8	38.34	16	33.8	F8 J	11	969	A -13 812
75		8.8A	4 20.209	-0.0007	17	-14 32 15.01	-0.020	12	0.29	20.220	18	33.8	14.69	16	33.8	K7 J	12A	1092	A -14 820
76		9.0A	4 21.691	0.0007	18	-19 9 17.06	-0.010	13	0.31	21.679	18	33.8	16.90	16	33.8	A0 J	12B	1221	A -19 821
77		6.7T	4 22.360	0.0006	09	-18 11 2.85	-0.018	12	0.62	22.327	09	93.4	1.74	12	89.6	K5	GC	4951	-18 752
78		9.3A	4 33.884	0.0022	21	-16 15 4.23	0.012	15	0.34	33.849	18	33.8	4.43	16	33.8		12A	1093	A -16 781
79		7.0T	4 37.733	-0.0069	11	-10 7 52.53	-0.137	11	0.55	38.069	19	01.2	45.79	19	00.8	G0	GC	4956	-10 839
80		9.0A	4 40.244	0.0029	20	-19 25 45.80	0.014	15	0.33	40.197	18	33.8	46.02	16	33.8	K7 J	12B	1225	A -19 825
81		8.9A	4 41.894	-0.0028	20	-18 5 54.36	-0.096	15	0.33	41.940	18	33.8	52.79	16	33.8	K2 J	12B	1226	A -18 754
82		7.5A	4 41.949	0.0008	21	-16 7 19.68	-0.031	12	0.32	41.937	18	33.8	19.18	16	33.8	F2 J	12A	1094	A -16 782
83		9.2A	4 55.349	0.0002	17	-18 14 35.14	0.003	13	0.30	55.346	18	33.8	35.18	16	33.8	K0 J	12B	1228	A -18 756
84		9.0A	5 2.114	0.0033	21	-16 57 15.15	-0.092	15	0.34	2.060	18	33.8	13.66	16	33.8	G0 J	12A	1095	A -17 793
85		8.3A	5 2.410	0.0006	18	-12 47 30.09	0.044	20	0.35	2.401	18	33.8	30.81	16	33.8	K0 J	11	973	A -13 814
86		9.0A	5 3.398	-0.0011	17	-10 10 40.72	0.045	18	0.33	3.416	18	33.8	41.45	16	33.8	M0 J	11	972	A -10 842
87		8.4A	5 12.707	0.0007	21	-15 34 22.21	0.009	15	0.34	12.697	18	33.8	22.36	16	33.8	K0 J	12A	1096	A -15 720
88		9.0A	5 12.982	-0.0015	15	-11 30 32.75	0.020	17	0.31	12.985	18	33.8	33.08	16	33.8	K2 J	11	974	A -11 802
89		8.9A	5 15.231	-0.0011	15	-10 51 57.13	-0.048	17	0.31	15.249	18	33.8	56.35	16	33.8	A0 J	11	975	A -11 803
90		8.8A	5 17.902	0.0035	17	-10 14 27.64	-0.109	18	0.33	17.845	18	33.8	25.88	16	33.8	K0 J	11	976	A -10 844
91		9.0A	5 22.321	-0.0006	21	-17 9 34.35	-0.024	15	0.34	22.330	18	33.8	33.97	16	33.8	K5 J	12A	1097	A -17 796
92		8.9A	5 32.690	0.0007	17	-11 6 54.56	0.002	18	0.33	32.679	18	33.8	54.59	16	33.8	F5 J	11	978	A -11 805
93		9.6A	5 36.993	-0.0016	21	-15 0 49.04	0.006	15	0.34	37.019	18	33.8	49.14	16	33.8	F8 J	12A	1098	A -15 722
94		9.1A	5 37.446	0.0042	18	-10 51 34.18	-0.002	20	0.35	37.378	18	33.8	34.15	16	33.8	F5 J	11	979	A -11 807
95		9.1A	5 43.256	-0.0004	17	-12 38 41.34	-0.031	17	0.32	43.262	18	33.8	40.83	16	33.8	K7 J	11	980	A -12 803
96		9.1A	5 59.039	-0.0007	21	-16 49 1.41	-0.019	15	0.34	59.050	18	33.8	1.11	16	33.8	G0 J	12A	1099	A -17 797
97		8.8A	6 4.670	0.0016	21	-17 22 58.94	0.028	15	0.34	4.644	18	33.8	59.40	16	33.8	F0 J	12A	1100	A -17 799
98		8.9A	6 7.598	-0.0045	17	-19 32 39.28	0.040	12	0.29	7.671	18	33.8	39.93	16	33.8	F8 J	12B	1231	A -19 829
99		9.0A	6 24.393	0.0017	18	-18 36 53.87	0.001	13	0.31	24.366	18	33.8	53.88	16	33.8	F5 J	12B	1235	A -18 761
00		8.5A	6 25.349	0.0002	15	-12 42 56.72	0.025	17	0.31	25.346	18	33.8	57.13	16	33.8	F8 J	11	981	A -12 806

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EPOCH 1950 — ORIGINAL EPOCH — SOURCE — −10° 4H

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	σ'_μ ″.001	σ_{1950} ″	α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	CAT.	STAR NUMBER	DM NUMBER
1		8.7A	4 6 27.569	0.0011	18	−13 16 49.34	−0.021	20	0.35	27.552	18	33.8	49.00	16	33.8	K7 J	11	982	A −13 818
2		8.9A	6 27.899	0.0003	17	−17 52 23.01	−0.006	13	0.30	27.894	18	33.8	22.90	16	33.8	K2 J	12B	1236	A −18 762
3		8.8A	6 34.669	−0.0010	15	−11 3 28.11	−0.009	15	0.30	34.685	18	33.8	27.96	16	33.8	K0 J	11	983	A −11 809
4		8.0A	6 35.313	−0.0008	18	−18 4 35.39	0.010	13	0.31	35.326	18	33.8	35.74	16	33.8	F0 J	12B	1238	A −18 763
5		8.5A	6 42.240	0.0001	18	−19 15 46.54	−0.008	13	0.31	42.239	18	33.8	46.41	16	33.8	K2 J	12B	1240	A −19 831
6		8.3A	6 46.372	−0.0040	20	−17 44 37.72	−0.050	15	0.33	46.437	18	33.8	36.90	16	33.8	F2 J	12B	1242	A −17 801
7		7.8A	6 46.389	0.0025	21	−16 1 18.49	−0.024	15	0.34	46.349	18	33.8	18.11	16	33.8	G5 J	12A	1102	A −16 791
8		8.4A	6 47.220	−0.0007	15	−13 25 7.22	0.026	17	0.31	47.232	18	33.8	7.68	16	33.8	K5 J	11	984	A −13 820
9		9.4A	6 50.417	−0.0033	18	−16 55 19.06	−0.011	13	0.31	50.470	18	33.8	18.89	16	33.8	F5 J	12A	1104	A −17 803
10		8.8A	6 51.162	−0.0016	15	−13 12 49.49	−0.013	15	0.30	51.188	18	33.8	49.27	16	33.8	F8 J	11	985	A −13 821
11		8.6A	6 51.396	0.0026	17	−16 31 57.79	0.176	12	0.29	51.354	18	33.8	0.65	16	33.8	F0 J	12A	1105	A −16 793
12		5.5T	7 1.508	−0.0003	08	−16 30 59.16	0.006	08	0.36	1.521	12	09.4	59.43	12	07.3	B3	GC	5009	B*−16 796
13		8.6A	7 5.032	−0.0006	17	−12 7 25.04	−0.039	17	0.32	5.041	18	33.8	24.41	16	33.8	F5 J	11	988	A −12 807
14		9.0A	7 5.232	−0.0010	15	−10 15 33.91	0.038	15	0.30	5.247	18	33.8	34.04	16	33.8	K5 J	11	987	A −10 851
15		8.2G	7 13.150	−0.0025	10	−17 36 29.13	−0.115	09	0.49	13.280	14	98.2	23.29	12	99.4	K0	GC	5011	−17 805
16		8.2A	7 18.556	−0.0014	21	−14 55 33.61	0.024	15	0.34	18.578	18	33.8	34.00	16	33.8	K2 J	12A	1108	A −15 730
17		8.4A	7 18.981	−0.0014	17	−17 37 58.65	−0.000	12	0.29	19.004	18	33.8	58.64	16	33.8	F0 J	12B	1248	A −17 806
18		9.0A	7 23.618	0.0043	21	−17 0 57.94	0.028	15	0.34	23.548	18	33.8	58.40	16	33.8	K0 J	12A	1110K	A −17 807
19		7.5A	7 24.515	−0.0007	15	−12 41 26.65	0.009	17	0.31	24.526	18	33.8	26.80	16	33.8	A0 J	11	990	A −12 810
20		9.3A	7 35.134	0.0019	21	−16 39 45.79	−0.034	15	0.34	35.103	18	33.8	45.25	16	33.8	F2 J	12A	1111	A −16 797
21		7.1T	7 39.407	−0.0015	22	−19 25 1.78	−0.008	20	0.98	39.473	26	06.0	1.41	22	03.4	K0	GC	5015	−19 835
22		7.2T	7 45.439	−0.0022	26	−19 7 57.37	−0.045	22	1.04	45.529	27	09.2	55.44	26	07.2	K0	GC	5017	−19 836
23		8.8A	7 46.702	−0.0024	15	−10 18 18.14	−0.043	17	0.31	46.740	18	33.8	17.44	16	33.8	A0 J	11	992	A −10 855
24		8.4A	7 47.802	0.0018	15	−18 50 26.84	0.004	11	0.27	47.774	18	33.8	26.90	16	33.8	F8 J	12B	1251	A −19 838
25		8.5A	7 53.479	−0.0006	20	−19 13 36.04	−0.033	15	0.33	53.488	18	33.8	35.50	16	33.8	A3 J	12B	1253	A −19 839
26		8.6A	7 54.321	0.0037	21	−15 34 55.53	−0.016	15	0.34	54.262	18	33.8	55.28	16	33.8	K2 J	12A	1112	A −15 731
27		9.0A	7 55.756	−0.0012	21	−15 1 27.14	−0.025	15	0.34	55.775	18	33.8	26.73	16	33.8	K0 J	12A	1113	A −15 732
28		8.4A	7 59.864	−0.0019	21	−16 0 56.20	−0.039	15	0.34	59.896	18	33.8	55.57	16	33.8	K2 J	12A	1114	A −16 799
29		7.6A	8 11.062	−0.0043	21	−15 9 31.44	0.012	15	0.34	11.131	18	33.8	31.64	16	33.8	F0 J	12A	1115	A −15 733
30		7.8A	8 22.328	−0.0006	17	−11 27 38.00	0.027	18	0.33	22.337	18	33.8	38.44	16	33.8	K2 J	11	993	A −11 821
31		9.0A	8 27.509	−0.0007	21	−17 16 21.50	−0.006	15	0.34	27.520	18	33.8	21.41	16	33.8	K0 J	12A	1116	A −17 810
32		8.7A	8 27.872	−0.0028	17	−17 54 35.67	−0.238	13	0.30	27.918	18	33.8	31.79	16	33.8	G5 J	12B	1255	A −18 767
33		9.2A	8 31.759	−0.0011	21	−16 2 46.08	−0.026	15	0.34	31.778	18	33.8	45.66	16	33.8	M J	12A	1118	A −16 804
34		8.6A	8 32.958	0.0006	17	−19 13 22.38	0.018	12	0.29	32.948	18	33.8	22.67	16	33.8	K0 J	12B	1256	A −19 841
35		9.0A	8 36.415	0.0000	18	−19 33 3.83	−0.001	13	0.31	36.415	18	33.8	3.82	16	33.8	G J	12B	1257	A −19 842
36		7.6A	8 36.959	0.0010	17	−14 29 30.46	−0.026	12	0.29	36.943	18	33.8	30.04	16	33.8	K5 J	12A	1119	A −14 832
37		8.8A	8 43.169	0.0036	21	−16 19 25.03	−0.005	15	0.34	43.110	18	33.8	22.96	16	33.8	K2 J	12A	1120	A −16 806
38		8.9A	8 46.843	−0.0037	21	−14 53 31.26	−0.070	15	0.34	46.903	18	33.8	30.13	16	33.8	F5 J	12A	1121	A −15 738
39		9.2A	9 3.554	0.0003	18	−16 58 44.87	−0.023	13	0.31	3.550	18	33.8	44.50	16	33.8	G0 J	12A	1122	A −17 814
40		7.2A	9 8.905	−0.0008	17	−16 5 49.22	0.012	15	0.31	8.916	18	33.8	49.42	16	33.8	K2 J	12A	1123	A −16 807
41		9.0A	9 10.375	0.0006	17	−18 38 53.51	0.045	12	0.29	10.365	18	33.8	54.24	16	33.8	F5 J	12B	1260	A −18 770
42		8.7A	9 14.908	−0.0010	21	−14 40 43.56	−0.015	15	0.34	14.925	18	33.8	43.32	16	33.8	K0 J	12A	1124	A −14 833
43		9.0A	9 16.701	0.0004	15	−11 2 54.13	0.002	17	0.31	16.695	18	33.8	54.17	16	33.8	A5 J	11	995	A −11 825
44		8.7A	9 17.169	0.0008	21	−14 32 34.16	0.003	15	0.34	17.157	18	33.8	34.21	16	33.8	K5 J	12A	1125	A −14 834
45		8.9A	9 22.397	0.0002	15	−12 57 45.96	0.006	20	0.33	22.394	18	33.8	46.06	16	33.8	K5 J	11	996	A −13 830
46		6.6T	9 44.944	−0.0002	10	−17 24 5.49	−0.044	10	0.39	44.953	09	10.5	3.82	09	11.7	K0	GC	5062	−17 816
47		8.4A	9 44.991	−0.0084	17	−17 59 46.90	0.019	13	0.30	45.127	18	33.8	47.20	16	33.8	K0 J	12B	1264	A −18 772
48		8.2A	9 45.651	−0.0020	20	−13 21 2.86	−0.009	20	0.36	45.682	18	33.8	2.72	16	33.8	A0 J	11	998	A −13 832
49		8.4A	9 46.525	−0.0077	18	−10 35 43.58	−0.122	20	0.35	46.650	18	33.8	41.61	16	33.8	G5 J	11	997	A −10 858
50		8.7A	9 49.094	−0.0008	20	−18 12 10.18	−0.009	15	0.33	49.107	18	33.8	10.02	16	33.8	K0 J	12B	1266	A −18 773
51		7.8A	4 9 51.730	0.0050	21	−13 45 52.05	−0.010	15	0.34	51.650	18	33.8	51.89	16	33.8	K0 J	12A	1127	A −14 837
52		8.7A	9 56.996	−0.0007	15	−12 53 51.30	−0.029	17	0.31	57.008	18	33.8	50.85	16	33.8	K0 J	11	1000	A −13 833
53		8.9A	9 57.328	−0.0019	20	−13 3 20.35	−0.035	20	0.36	57.359	18	33.8	19.79	16	33.8	M0 J	11	1001	A −13 834
54		8.6A	10 4.498	−0.0009	20	−18 27 19.59	−0.002	15	0.33	4.513	18	33.8	19.55	16	33.8	G5 J	12B	1269	A −18 774
55		8.2A	10 9.980	−0.0001	20	−10 41 35.20	0.032	20	0.36	9.982	18	33.8	35.72	16	33.8	A5 J	11	1002	A −10 860
56		9.1A	10 23.862	−0.0001	18	−11 28 11.84	0.032	20	0.35	23.863	18	33.8	12.36	16	33.8	G0 J	11	1003	A −11 828
57		8.9A	10 27.759	0.0012	21	−16 47 9.82	−0.003	15	0.34	27.740	18	33.8	9.78	16	33.8	K J	12A	1128	A −17 821
58		8.6A	10 32.255	−0.0004	17	−18 46 24.09	−0.005	13	0.30	32.261	18	33.8	24.01	16	33.8	K0 J	12B	1270	A −19 850
59		8.6A	10 34.286	−0.0017	18	−11 14 59.21	0.004	20	0.35	34.313	18	33.8	59.28	16	33.8	K J	11	1004	A −11 829
60		9.4A	10 38.191	0.0033	21	−16 53 26.07	0.020	15	0.34	38.138	18	33.8	26.40	16	33.8	F5 J	12A	1129	A −17 822
61		8.5A	10 47.462	0.0013	17	−14 26 58.35	−0.008	12	0.29	47.441	18	33.8	58.23	16	33.8	A2 J	12A	1130	A −14 840
62		8.7A	10 48.094	−0.0026	18	−19 58 53.08	−0.011	15	0.31	48.135	16	33.8	52.91	16	33.8	F5 J	13A	1273	A −20 807
63		8.9A	11 1.769	0.0019	21	−16 55 52.71	0.016	15	0.34	1.738	18	33.8	52.97	16	33.8	K7 J	12A	1131	A −17 823
64		7.8A	11 2.340	0.0008	18	−12 25 17.64	0.006	20	0.35	2.327	18	33.8	17.74	16	33.8	K5 J	11	1006	A −12 823
65		9.0A	11 6.060	0.0032	18	−11 9 44.00	−0.070	20	0.35	6.008	18	33.8	42.87	16	33.8	G5 J	11	1007	A −11 831
66		7.9A	11 6.901	0.0007	18	−10 30 46.36	−0.027	20	0.35	6.889	18	33.8	45.92	16	33.8	M3 J	11	1008	A −10 863
67		8.9A	11 17.278	−0.0018	20	−19 27 36.84	0.008	15	0.33	17.306	18	33.8	36.97	16	33.8	K7 J	12B	1274	A −19 852
68		8.5A	11 27.860	0.0010	15	−17 35 57.32	0.007	12	0.28	27.844	18	33.8	57.42	16	33.8	A3 J	12B	1275	A −17 825
69		8.4A	11 32.628	0.0006	18	−18 10 49.44	−0.023	13	0.31	32.618	18	33.8	49.06	16	33.8	K0 J	12B	1277	A −18 782
70		8.8A	11 41.161	−0.0021	17	−12 16 24.76	0.029	18	0.33	41.195	18	33.8	25.23	16	33.8	G5 J	11	1009	A −12 828
71		8.2A	11 45.904	0.0010	21	−15 9 23.53	−0.019	15	0.34	45.887	18	33.8	23.23	16	33.8	K J	12A	1133	A −15 745
72		7.6A	11 46.949	−0.0008	17	−16 7 7.12	0.012	12	0.29	46.962	18	33.8	7.32	16	33.8	M1 J	12A	1134	A −16 814
73		8.9A	11 54.995	0.0001	21	−16 40 26.17	−0.024	15	0.34	54.993	18	33.8	26.56	16	33.8	M1 J	12A	1136	A −16 815
74		8.5A	11 55.901	0.0006	17	−14 0 24.45	0.002	12	0.29	55.891	18	33.8	24.49	16	33.8	K0 J	12A	1135	A −14 844
75		8.9A	11 56.754	−0.0007	17	−12 19 9.81	−0.007	18	0.33	56.765	18	33.8	9.70	16	33.8	K0 J	11	1010	A −12 829
76		8.8A	11 56.773	−0.0026	17	−13 20 49.57	0.006	18	0.33	56.816	18	33.8	49.67	16	33.8	G5 J	11	1011	A −13 843
77		9.0A	11 59.076	0.0004	21	−17 37 40.70	−0.035	15	0.34	59.071	18	33.8	40.12	16	33.8	K2 J	12A	1138	A −17 829
78		5.1T	12 0.832	−0.0010	02	−10 22 44.97	−0.162	02	0.13	0.880	05	01.7	36.92	05	00.3	K0	GC	5114K	B*−10 867
79		9.2A	12 2.236	−0.0002	21	−14 46 18.03	−0.064	15	0.34	2.239	18	33.8	16.99	16	33.8	G0 J	12A	1137	A −15 746
80		8.9A	12 12.318	−0.0000	17	−11 4 3.02	0.039	18	0.33	12.318	18	33.8	3.65	16	33.8	K5 J	11	1013	A −11 835
81		9.4A	12 20.626	−0.0011	21	−14 58 32.77	−0.010	15	0.34	20.644	18	33.8	32.61	16	33.8	F8 J	12A	1139	A −15 749
82		8.4A	12 25.410	0.0005	15	−10 41 36.56	−0.024	15	0.30	25.401	18	33.8	36.17	16	33.8	K0 J	11	1014	A −10 872
83		8.4A	12 26.465	0.0022	21	−14 16 48.06	0.032	15	0.34	26.429	18	33.8	48.58	16	33.8	F5 J	12A	1140	A −14 846
84		8.9A	12 30.062	−0.0016	20	−18 59 41.40	−0.006	15	0.33	30.108	18	33.8	41.30	16	33.8	K5 J	12B	1283	A −19 857
85		9.1A	12 34.712	−0.0008	21	−15 17 25.24	−0.034	15	0.34	34.724	18	33.8	24.69	16	33.8	F5 J	12A	1141	A −15 751
86		8.5A	12 40.621	−0.0005	21	−14 31 49.68	0.012	15	0.34	40.629	18	33.8	49.88	16	33.8	G5 J	12A	1142	A −14 848
87		7.4T	12 44.069	−0.0016	16	−16 18 19.09	−0.063	13	0.79	44.152	21	98.7	15.68	18	95.6	G5	GC	5128	−16 817
88		9.2A	12 52.784	0.0021	17	−17 49 37.76	0.047	12	0.29	52.750	18	33.8	38.51	16	33.8	F5 J	12B	1284	A −18 790
89		8.6A	12 56.362	−0.0004	18	−16 19 14.80	−0.021	13	0.31	56.369	18	33.8	14.47	16	33.8	A5 J	12A	1145	A −16 819
90		8.9A	13 10.069	0.0010	18	−17 1 31.64	−0.030	13	0.31	10.053	18	33.8	31.16	16	33.8	G0 J	12A	1146	A −17 833
91		6.9T	13 10.861	0.0009	17	−16 34 6.40	0.049	16	0.83	10.820	26	02.8	8.84	22	00.6	B9	GC	5143	−16 820
92		9.2A	13 22.184	0.0013	18	−18 10 44.88	−0.080	13	0.31	22.164	18	33.8	43.58	16	33.8	G0 J	12B	1287	A −18 792
93		8.4A	13 29.579	−0.0014	17	−10 4 59.88	0.000	18	0.33	29.602	18	33.8	59.88	16	33.8	A0 J	11	1018	A −10 876
94		7.2T	13 33.373	−0.0008	22	−18 45 51.69	0.011	20	0.92	33.406	22	08.7	52.17	19	06.4	K0	GC	5155	−19 863
95		8.8A	13 41.572	0.0025	18	−18 27 57.72	−0.022	13	0.31	41.532	18	33.8	57.35	16	33.8	F5 J	12B	1289	A −18 793
96		7.9A	13 46.227	−0.0012	21	−15 3 10.17	−0.056	15	0.34	46.246	18	33.8	9.27	16	33.8	K0 J	12A	1148	A −15 754
97		8.9A	13 47.487	0.0006	21	−15 12 58.51	0.001	15	0.34	47.477	18	33.8	58.53	16	33.8	A0 J	12A	1149	A −15 755
98		8.9A	13 58.930	0.0006	15	−13 30 27.06	−0.006	17	0.31	58.921	18	33.8	26.97	16	33.8	G5 J	11	1019	A −13 847
99		8.6A	14 3.219	0.0008	17	−14 3 14.42	−0.022	11	0.28	3.205	18	33.8	14.07	16	33.8	K0 J	12A	1150	A −14 854
00		7.6A	14 4.410	0.0023	20	−17 59 53.09	0.007	15	0.33	4.374	18	33.8	53.19	16	33.8	K0 J	12B	1293	A −18 795

149500

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	EPOCH 1950 μ s	EPOCH 1950 σ_μ ″.001	EPOCH 1950 δ_{1950} ° ′ ″	EPOCH 1950 μ' ″	EPOCH 1950 σ'_μ ″.001	EPOCH 1950 σ_{1950} ″	ORIGINAL EPOCH α_2 s	ORIGINAL EPOCH σ ″.01	ORIGINAL EPOCH ep.	ORIGINAL EPOCH δ_2 ″	ORIGINAL EPOCH σ' ″.01	ORIGINAL EPOCH ep.	SP.		SOURCE CAT.	SOURCE STAR NUMBER	-10° 4H DM NUMBER
1		8.4A	4 14 9.489	-0.0003	15	-13 18 22.82	-0.048	15	0.30	9.494	18	33.8	22.05	16	33.8	K5	J	11	1021	A -13 848
2		8.8A	14 11.081	0.0004	15	-12 33 41.46	0.008	15	0.30	11.074	18	33.8	41.59	16	33.8	G0	J	11	1022	A -12 839
3		7.9A	14 12.948	0.0019	15	-10 12 31.35	0.063	17	0.31	12.917	18	33.8	32.37	16	33.8	A2	J	11	1020	A -10 882
4		9.0A	14 17.185	0.0015	13	-12 39 30.96	-0.021	15	0.29	17.161	18	33.8	30.62	16	33.8	K5	J	11	1023	A -12 840
5		9.0A	14 21.981	0.0004	20	-19 43 43.34	0.003	15	0.32	21.975	16	33.8	43.40	16	33.8	G5	J	13A	1295	A -19 864
6		8.3A	14 27.739	-0.0014	21	-14 58 55.83	-0.025	15	0.34	27.762	18	33.8	55.42	16	33.8	K2	J	12A	1151	A -15 757
7		9.0A	14 36.014	0.0003	21	-16 44 37.74	-0.007	15	0.34	36.009	18	33.8	37.63	16	33.8	K5	J	12A	1153	A -16 827
8		9.0A	14 36.325	-0.0003	21	-16 12 59.31	-0.004	15	0.34	36.330	18	33.8	59.25	16	33.8	K	J	12A	1152	A -16 826
9		9.1A	14 39.774	0.0022	21	-15 32 2.28	-0.069	15	0.34	39.739	18	33.8	1.17	16	33.8	G5	J	12A	1154	A -15 759
10		9.0A	14 42.096	-0.0003	21	-17 10 54.08	-0.008	15	0.34	42.101	18	33.8	53.96	16	33.8	F0	J	12A	1155	A -17 836
11		8.8A	14 54.721	0.0018	21	-17 34 14.49	-0.022	15	0.34	54.692	18	33.8	14.12	16	33.8	F8	J	12A	1156	A -17 837
12		8.8A	15 2.921	0.0013	18	-19 35 6.83	0.022	15	0.32	2.900	18	33.8	7.20	16	33.8	K0	J	12B	1297	A -19 867
13		8.2A	15 6.703	0.0009	21	-13 36 3.68	-0.021	15	0.34	6.688	18	33.8	3.34	16	33.8	A0	J	12A	1157	A -13 852
14		8.3A	15 8.906	0.0017	17	-19 38 46.83	0.006	12	0.28	8.879	16	33.8	46.93	16	33.8	F0	J	13A	1300	A -19 870
15		9.1A	15 8.940	-0.0010	18	-19 14 59.34	0.011	13	0.31	8.957	18	33.8	59.52	16	33.8	K2	J	12B	1299	A -19 869
16		9.0A	15 16.189	0.0010	18	-19 37 23.02	-0.004	13	0.30	16.174	16	33.8	22.96	16	33.8			13A	1301	A -19 871
17		9.0A	15 19.174	0.0005	15	-10 5 39.88	0.001	17	0.31	19.166	18	33.8	39.90	16	33.8	A0	J	11	1025	A -10 884
18		9.0A	15 24.200	0.0054	21	-15 53 44.66	0.017	15	0.34	24.114	18	33.8	44.94	16	33.8	F8	J	12A	1158	A -16 829
19		8.6A	15 31.145	0.0008	21	-16 51 14.95	-0.013	15	0.34	31.133	18	33.8	14.75	16	33.8	K2	J	12A	1159	A -17 839
20		9.2A	15 36.473	0.0002	21	-13 43 38.01	-0.045	15	0.34	36.471	18	33.8	37.29	16	33.8	F5	J	12A	1160	A -13 855
21		9.2A	15 39.089	-0.0010	21	-17 5 26.79	-0.028	15	0.34	39.105	18	33.8	26.34	16	33.8	G0	J	12A	1161	A -17 840
22		8.4A	15 46.637	0.0014	21	-17 11 6.37	-0.001	15	0.34	46.615	18	33.8	6.36	16	33.8	A0	J	12A	1162	A -17 841
23		8.5A	15 53.033	-0.0018	21	-16 30 28.69	-0.021	15	0.34	53.063	18	33.8	28.36	16	33.8	K5	J	12A	1163	A -16 830
24		6.9T	15 56.419	0.0013	22	-14 45 34.22	0.015	18	0.92	56.362	21	07.5	34.89	19	04.8	K0		GC	5198	B*-14 866
25		8.5A	16 6.521	-0.0008	17	-19 21 15.83	0.011	13	0.30	6.534	18	33.8	16.01	16	33.8	K5	J	12B	1305	A -19 875
26		9.0A	16 10.046	0.0025	20	-15 38 49.93	-0.031	11	0.31	10.006	18	33.8	49.43	16	33.8	F8	J	12A	1165	A -15 761
27		9.0A	16 13.793	0.0007	21	-17 17 59.37	0.040	15	0.34	13.782	18	33.8	+ 0.02	16	33.8	G0	J	12A	1166	A -17 844
28		9.2A	16 22.816	0.0015	18	-14 40 2.27	-0.016	13	0.31	22.791	18	33.8	2.01	16	33.8	M	J	12A	1167	A -14 867
29		8.5A	16 26.331	-0.0000	15	-11 51 26.86	0.007	15	0.30	26.331	18	33.8	26.98	16	33.8	K0	J	11	1027	A -12 855
30		8.9A	16 28.002	0.0031	15	-13 23 17.97	0.029	17	0.31	27.952	18	33.8	18.44	16	33.8	K	J	11	1029	A -13 857
31		9.2A	16 28.096	-0.0022	18	-14 36 0.24	-0.017	13	0.31	28.132	18	33.8	-59.97	16	33.8	F8	J	12A	1168	A -14 869
32		9.0A	16 28.137	-0.0015	15	-10 25 43.06	0.012	15	0.30	28.161	18	33.8	43.25	16	33.8	F2	J	11	1028	A -10 889
33		9.3A	16 31.463	0.0013	18	-19 31 6.18	-0.021	13	0.31	31.442	18	33.8	5.85	16	33.8	F8	J	12B	1311K	A -19 877
34		7.7T	16 32.202	0.0079	22	-17 49 47.68	-0.072	27	1.05	31.878	29	08.9	44.74	29	09.4	K5		GC	5213	-18 802
35		7.5T	16 46.631	-0.0004	20	-17 58 15.45	0.014	17	0.88	46.650	26	04.6	16.10	24	02.4	A2		GC	5219	-18 803
36		8.6A	16 48.793	-0.0000	15	-13 26 53.83	-0.027	17	0.31	48.794	18	33.8	53.39	16	33.8	K	J	11	1030	A -13 858
37		8.5A	16 58.471	0.0053	21	-16 27 59.06	-0.033	15	0.34	58.385	18	33.8	58.53	16	33.8	F5	J	12A	1170	A -16 832
38		8.7A	17 12.059	0.0050	15	-10 41 43.99	0.053	17	0.31	11.978	18	33.8	44.85	16	33.8	F5	J	11	1032	A -10 892
39		8.7A	17 14.991	0.0026	15	-13 0 58.98	-0.006	17	0.31	14.949	18	33.8	58.88	16	33.8	G5	J	11	1033	A -13 859
40		8.0A	17 16.795	0.0003	21	-15 17 22.22	-0.030	15	0.34	16.790	18	33.8	21.73	16	33.8	A5	J	12A	1171	A -15 765
41		9.4A	17 26.992	0.0010	21	-16 19 16.08	-0.024	15	0.34	26.976	18	33.8	15.70	16	33.8	F8	J	12A	1172	A -16 834
42		9.2A	17 29.835	0.0025	21	-16 59 0.31	-0.014	15	0.34	29.795	18	33.8	0.09	16	33.8			12A	1173	A -17 852
43		6.9T	17 33.301	0.0034	22	-12 31 5.45	0.014	14	0.93	33.144	26	03.7	6.17	24	99.0	G5		GC	5247	-12 858
44		7.9A	17 34.264	0.0054	17	-18 38 23.07	0.067	12	0.29	34.178	18	33.8	24.15	16	33.8	F2	J	12B	1313	A -18 806
45		8.8A	17 35.134	0.0028	17	-12 20 9.80	0.004	18	0.33	35.089	18	33.8	9.87	16	33.8	G0	J	11	1035	A -12 859
46		8.2A	17 35.327	0.0021	17	-14 42 38.33	0.002	12	0.29	35.292	18	33.8	38.36	16	33.8	K0	J	12A	1174	A -14 872
47		8.0A	17 38.650	0.0010	21	-17 34 59.94	-0.025	15	0.34	38.634	18	33.8	59.53	16	33.8	K2	J	12A	1176	A -17 854
48		9.0A	17 39.023	0.0061	17	-17 3 17.99	0.043	12	0.29	38.925	18	33.8	18.70	16	33.8	A0	J	12A	1175	A -17 853
49		9.0A	17 43.331	-0.0023	20	-19 59 23.90	-0.007	15	0.32	43.368	16	33.8	23.80	16	33.8	K0	J	13A	1314	A -20 829
50		8.7A	17 46.597	0.0002	15	-11 40 45.34	-0.015	17	0.31	46.594	18	33.8	45.10	16	33.8	K0	J	11	1036	A -11 855
51		8.6A	4 17 50.380	-0.0019	15	-10 37 12.22	-0.008	17	0.31	50.411	18	33.8	12.09	16	33.8	F2	J	11	1037	A -10 895
52		9.1A	17 52.250	0.0123	21	-14 52 52.72	0.132	15	0.34	52.050	18	33.8	54.86	16	33.8	K7	J	12A	1177	A -15 767
53		8.6A	17 52.272	0.0030	15	-13 34 26.42	-0.019	15	0.30	52.223	18	33.8	26.12	16	33.8	K0	J	11	1038	A -13 862
54		6.6H	17 53.145	0.0010	03	-16 33 21.15	-0.010	03	0.09	53.120	05	25.1	20.90	05	24.7	B9		F4	1119	-16 838
55		8.5A	18 4.252	-0.0025	21	-16 14 49.18	-0.044	15	0.34	4.293	18	33.8	48.47	16	33.8	F2	J	12A	1179	A -16 839
56		8.1A	18 11.977	-0.0002	15	-13 4 26.42	-0.026	15	0.30	11.980	18	33.8	26.00	16	33.8	K5	J	11	1039	A -13 864
57		8.5A	18 19.646	0.0013	18	-17 51 30.17	-0.014	13	0.31	19.626	18	33.8	29.93	16	33.8	K2	J	12B	1316	A -18 811
58		9.2A	18 25.471	-0.0008	17	-16 28 33.68	-0.029	12	0.29	25.485	18	33.8	33.22	16	33.8	G0	J	12A	1182	A -16 840
59		7.3T	18 25.810	-0.0004	26	-16 56 55.92	-0.037	20	1.08	25.829	26	05.6	54.13	21	01.0	M0		GC	5269	-17 856
60		8.4A	18 25.935	0.0022	21	-14 20 22.18	-0.025	15	0.34	25.899	18	33.8	21.78	16	33.8	G5	J	12A	1181	A -14 875
61		8.8A	18 29.402	-0.0015	21	-17 34 39.74	-0.001	15	0.34	29.426	18	33.8	39.71	16	33.8	F8	J	12A	1184	A -17 857
62		8.5A	18 38.097	-0.0015	15	-12 2 39.86	-0.001	17	0.31	38.120	18	33.8	39.84	16	33.8	F0	J	11	1040	A -12 862
63		6.7A	18 38.129	0.0010	18	-19 27 12.81	0.024	13	0.31	38.113	18	33.8	13.20	16	33.8	G0	J	12B	1320	A -19 885
64		8.6A	18 38.351	0.0001	15	-12 38 54.17	0.016	17	0.31	38.350	18	33.8	54.43	16	33.8	A0	J	11	1042	A -12 863
65		8.8A	18 38.814	0.0016	15	-11 44 48.25	0.017	17	0.31	38.788	18	33.8	48.53	16	33.8	K0	J	11	1041	A -11 857
66		8.1A	18 42.876	-0.0008	15	-11 37 2.68	-0.009	17	0.31	42.889	18	33.8	2.54	16	33.8	K0	J	11	1043	A -11 858
67		8.8A	18 44.829	-0.0020	20	-19 44 59.51	0.017	15	0.32	44.862	16	33.8	59.80	16	33.8	K2	J	13A	1321	A -19 886
68		9.1A	18 47.594	0.0035	20	-19 56 14.60	-0.042	12	0.30	47.538	16	33.8	13.93	16	33.8	G0	J	13A	1323	A -20 833
69		8.0A	18 47.606	0.0015	18	-19 21 42.38	0.054	13	0.31	47.583	18	33.8	43.25	16	33.8	K0	J	12B	1322	A -19 887
70		8.9A	18 49.498	0.0006	15	-13 7 8.16	0.014	17	0.31	49.489	18	33.8	8.39	16	33.8	K0	J	11	1044	A -13 865
71		9.0A	19 6.888	-0.0013	18	-19 39 53.93	-0.033	15	0.31	6.909	16	33.8	53.40	16	33.8	G5	J	13A	1326	A -19 888
72		9.4A	19 9.381	0.0005	21	-15 35 30.91	0.029	15	0.34	9.372	18	33.8	31.38	16	33.8	G0	J	12A	1185	A -15 768
73		9.0A	19 10.572	-0.0000	21	-15 12 50.49	-0.026	15	0.34	10.572	18	33.8	50.08	16	33.8	G0	J	12A	1186	A -15 769
74		9.1A	19 11.527	-0.0016	21	-17 6 59.47	-0.048	15	0.34	11.553	18	33.8	58.70	16	33.8	K0	J	12A	1188	A -17 860
75		8.0T	19 12.643	0.0029	15	-14 23 26.76	-0.007	11	0.56	12.532	21	11.3	26.46	19	06.0	K5		GC	5286	-14 881
76		8.6A	19 15.361	0.0006	21	-14 44 16.68	-0.001	15	0.34	15.352	18	33.8	16.66	16	33.8	K5	J	12A	1189	A -14 882
77		8.8A	19 21.155	0.0002	15	-11 46 21.35	0.034	17	0.31	21.151	18	33.8	21.90	16	33.8	K0	J	11	1045	A -12 866
78		8.2A	19 23.358	0.0017	18	-14 38 37.80	0.008	13	0.31	23.330	18	33.8	37.93	16	33.8	K0	J	12A	1190	A -14 884
79		8.0A	19 31.572	-0.0021	18	-13 59 56.08	-0.007	13	0.31	31.606	18	33.8	55.97	16	33.8	A0	J	12A	1191	A -14 885
80		8.8A	19 38.387	0.0031	15	-11 52 5.73	-0.025	15	0.30	38.336	18	33.8	5.33	16	33.8	G0	J	11	1046	A -12 867
81		8.3A	19 40.659	-0.0010	15	-10 4 4.78	-0.014	15	0.30	40.675	18	33.8	4.55	16	33.8	K5	J	11	1047	A -10 902
82		8.7A	19 43.085	-0.0020	15	-11 53 6.95	-0.119	15	0.30	43.117	18	33.8	5.02	16	33.8	G	J	11	1048	A -12 868
83		8.9A	19 43.257	0.0005	18	-18 55 51.49	0.030	13	0.31	43.249	18	33.8	51.98	16	33.8	K0	J	12B	1329	A -19 893
84		8.4A	19 43.402	0.0026	21	-15 40 47.30	-0.022	15	0.34	43.361	18	33.8	46.95	16	33.8	K0	J	12A	1192	A -15 771
85		8.2A	19 49.698	-0.0010	15	-10 22 52.93	0.013	15	0.30	49.714	18	33.8	53.14	16	33.8	A2	J	11	1049	A -10 903
86		8.2A	19 55.515	-0.0015	20	-19 44 32.95	0.006	15	0.32	55.540	16	33.8	33.05	16	33.8	A5	J	13A	1330	A -19 897
87		9.0A	19 56.194	0.0004	21	-17 9 42.48	0.007	15	0.34	56.187	18	33.8	42.60	16	33.8	M	J	12A	1193	A -17 864
88		8.3A	20 1.346	0.0007	18	-19 32 13.43	-0.011	13	0.31	1.335	18	33.8	13.26	16	33.8	F5	J	12B	1331	A -19 898
89		8.7A	20 8.340	-0.0005	15	-10 9 32.52	-0.001	15	0.30	8.348	18	33.8	32.51	16	33.8	K5	J	11	1050	A -10 905
90		8.7A	20 16.345	-0.0010	18	-18 59 5.84	0.003	13	0.31	16.360	18	33.8	5.89	16	33.8	K5	J	12B	1333	A -19 900
91		8.9A	20 16.799	-0.0010	18	-18 4 41.08	-0.004	13	0.31	16.815	18	33.8	41.01	16	33.8	K0	J	12B	1332	A -18 821
92		8.9A	20 20.138	0.0010	15	-11 35 33.47	0.038	17	0.31	20.122	18	33.8	34.09	16	33.8	K5	J	11	1051	A -11 863
93		8.8A	20 37.905	0.0019	21	-15 59 2.30	-0.022	15	0.34	37.875	18	33.8	1.95	16	33.8	K0	J	12A	1194	A -16 845
94		9.0A	20 39.743	0.0010	13	-12 40 27.96	-0.016	15	0.29	39.727	18	33.8	27.70	16	33.8	K5	J	11	1052	A -12 871
95		9.4A	20 46.733	-0.0022	18	-14 54 39.67	-0.006	13	0.31	46.769	18	33.8	39.57	16	33.8	G0	J	12A	1195	A -15 772
96		9.2A	20 49.991	0.0010	21	-14 51 30.01	-0.033	15	0.34	49.974	18	33.8	29.48	16	33.8	G	J	12A	1196	A -15 773
97		9.4A	20 51.551	0.0014	21	-15 34 45.95	-0.032	15	0.34	51.528	18	33.8	45.44	16	33.8	F8	J	12A	1197	A -15 774
98		8.8A	20 55.525	-0.0001	18	-19 2 14.70	-0.009	13	0.31	55.527	18	33.8	14.55	16	33.8	K7	J	12B	1337	A -19 904
99		9.1A	21 19.733	0.0009	15	-10 23 27.03	-0.063	17	0.31	19.718	18	33.8	26.01	16	33.8	K2	J	11	1054	A -10 907
00		8.7A	21 21.508	0.0010	17	-17 39 47.19	0.031	13	0.30	21.492	18	33.8	47.68	16	33.8	K0	J	12B	1340	A -17 867

149600 — EPOCH 1950 — ORIGINAL EPOCH — SOURCE — −10° 4H

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	σ'_μ ″.001	σ_{1950} ″	α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	CAT.	STAR NUMBER	DM NUMBER
1		8.6A	4 21 27.058	0.0008	17	-14 7 48.68	-0.014	12	0.29	27.045	18	33.8	48.46	16	33.8	F0 J	12A	1199	A -14 692
2		8.0A	21 27.911	-0.0040	17	-19 35 15.49	0.024	12	0.29	27.976	18	33.8	15.89	16	33.8	A0 J	12B	1343	A -19 907
3		9.0A	21 28.512	0.0005	17	-19 9 35.25	-0.024	12	0.29	28.504	18	33.8	34.86	16	33.8	G0 J	12B	1342	A -19 908
4		8.9A	21 32.171	0.0030	15	-11 43 1.93	0.040	17	0.31	32.121	18	33.8	2.58	16	33.8	K0 J	11	1056	A -11 866
5		9.1A	21 32.320	-0.0015	17	-12 38 5.81	0.009	18	0.33	32.345	18	33.8	5.96	16	33.8	K2 J	11	1057	A -12 876
6		8.4A	21 32.929	-0.0037	17	-14 7 46.57	-0.017	12	0.29	32.909	18	33.8	46.30	16	33.8	A5 J	12A	1200	A -14 893
7		8.4A	21 33.137	-0.0010	15	-12 40 40.64	0.005	17	0.31	33.153	18	33.8	40.72	16	33.8	K5 J	11	1058	A -12 877
8		8.9A	21 52.750	0.0086	17	-18 38 47.50	-0.040	12	0.29	52.708	18	33.8	46.85	16	33.8	G5 J	12B	1347	A -18 829
9		8.6A	21 53.980	-0.0013	21	-16 9 19.71	-0.072	15	0.34	54.000	18	33.8	18.55	16	33.8	K0 J	12A	1201	A -16 849
10		8.8A	21 56.389	0.0015	15	-12 53 57.47	0.013	15	0.30	56.365	18	33.8	57.68	16	33.8	G0 J	11	1059	A -13 877
11		8.9A	22 8.629	-0.0014	15	-12 37 47.40	0.023	17	0.31	8.652	18	33.8	47.78	16	33.8	G0 J	11	1060	A -12 880
12		8.0A	22 11.903	-0.0007	21	-14 43 30.45	0.009	15	0.34	11.914	18	33.8	30.60	16	33.8	G5 J	12A	1202	A -14 897
13		8.7A	22 15.131	-0.0004	15	-12 24 44.42	0.005	17	0.31	15.137	18	33.8	44.50	16	33.8	A0 J	11	1061	A -12 882
14		8.5A	22 38.153	-0.0033	15	-10 29 49.09	0.048	15	0.30	38.207	18	33.8	49.67	16	33.8	F3 J	11	1062	A -10 912
15		7.8A	22 39.746	-0.0002	21	-14 48 4.03	0.002	15	0.34	39.749	18	33.8	4.06	16	33.8	K2 J	12A	1203	A -15 780
16		9.0A	22 58.963	-0.0000	21	-15 58 14.45	-0.028	15	0.34	58.964	18	33.8	14.00	16	33.8	F8 J	12A	1204	A -16 852
17		8.8A	23 0.370	0.0006	15	-12 54 19.13	0.005	17	0.31	0.361	18	33.8	19.21	16	33.8	F2 J	11	1063	A -13 878
18		8.9A	23 11.985	0.0002	17	-18 38 52.97	-0.037	12	0.29	11.816	18	33.8	52.37	16	33.8	F8 J	12B	1352	A -18 832
19		8.4A	23 15.903	0.0017	21	-17 17 46.43	-0.014	15	0.34	15.965	18	33.8	46.21	16	33.8	K5 J	12A	1205	A -17 875
20		8.4A	23 16.801	-0.0006	13	-10 41 58.46	-0.010	15	0.29	16.810	18	33.8	58.30	16	33.8	G5 J	11	1064	A -10 916
21		8.2A	23 18.838	0.0018	21	-16 31 52.95	0.011	15	0.34	18.809	18	33.8	53.13	16	33.8	K0 J	12A	1206	A -16 853
22		7.0T	23 19.319	0.0002	16	-10 2 21.53	-0.006	12	0.68	19.310	22	05.5	21.24	21	01.7	K5	GC	5371	-10 917
23		9.1A	23 24.641	-0.0014	15	-11 10 14.25	-0.020	17	0.31	24.664	18	33.8	13.93	16	33.8	K5 J	11	1066	A -11 872
24		7.9A	23 33.303	0.0029	21	-15 46 20.99	-0.013	15	0.34	33.257	18	33.8	20.79	16	33.8	K2 J	12A	1207	A -15 786
25		9.1A	23 36.917	0.0010	15	-11 59 9.95	0.033	13	0.31	36.901	18	33.8	10.49	16	33.8	G0 J	12A	1208	A -16 855
26		8.3A	23 38.250	0.0015	15	-11 16 56.16	0.026	15	0.30	38.225	18	33.8	56.58	16	33.8	K2 J	11	1067	A -11 873
27		8.3A	23 41.623	0.0031	15	-13 23 35.16	0.024	17	0.31	41.572	18	33.8	35.55	16	33.8	F5 J	11	1068	A -13 880
28		9.2A	23 41.680	-0.0003	21	-17 20 20.00	0.074	15	0.34	41.685	18	33.8	21.21	16	33.8	G0 J	12A	1209	A -17 876
29		8.0A	23 46.432	0.0027	17	-17 58 42.76	-0.042	13	0.30	46.389	18	33.8	42.07	16	33.8	K0 J	12B	1355	A -18 835
30		8.8A	24 1.460	0.0028	18	-19 46 9.09	0.000	13	0.30	1.414	16	33.8	9.10	16	33.8	G5 J	13A	1357	A -19 917
31		8.0A	24 3.722	0.0034	15	-10 39 43.30	-0.084	17	0.31	3.667	18	33.8	41.94	16	33.8	G5 J	11	1069	A -10 919
32		9.2A	24 3.972	0.0012	21	-16 49 6.95	0.004	15	0.34	3.953	18	33.8	7.02	16	33.8	F8 J	12A	1211	A -17 877
33		8.7A	24 4.054	-0.0027	18	-16 4 10.12	0.007	15	0.31	4.098	18	33.8	10.24	16	33.8	G0 J	12A	1210	A -16 857
34		9.0A	24 15.523	0.0006	17	-14 21 11.67	0.001	12	0.29	15.514	18	33.8	11.69	16	33.8	G0 J	12A	1212	A -14 901
35		8.8A	24 22.735	0.0027	21	-15 39 47.23	-0.010	15	0.34	22.690	18	33.8	47.07	16	33.8	K2 J	12A	1213	A -15 787
36		7.7A	24 28.877	0.0002	21	-14 43 57.12	-0.016	15	0.34	28.874	18	33.8	56.86	16	33.8	K5 J	12A	1214	A -14 903
37		8.1A	24 35.599	0.0018	18	-18 29 40.46	-0.012	13	0.31	35.571	18	33.8	40.26	16	33.8	K2 J	12B	1361	A -18 839
38		8.9A	24 36.468	-0.0013	18	-15 34 51.76	0.001	13	0.31	38.509	18	33.8	51.75	16	33.8	F8 J	12A	1215	A -15 788
39		7.1T	24 39.019	0.0048	18	-18 46 2.91	0.029	17	0.91	39.582	24	00.5	4.38	21	99.1	F8	GC	5405	-18 840
40		9.1A	24 39.903	0.0004	17	-11 25 55.15	-0.005	18	0.33	39.896	18	33.8	55.07	16	33.8	K5 J	11	1070	A -11 877
41		9.1A	24 49.240	0.0014	18	-19 40 53.19	0.011	13	0.30	49.218	16	33.8	53.38	16	33.8	F8 J	13A	1364	A -19 922
42		9.1A	24 53.278	0.0011	17	-17 57 0.61	0.008	12	0.29	53.261	18	33.8	0.73	16	33.8	G0 J	12B	1365	A -18 841
43		9.1A	24 54.187	0.0017	15	-12 48 36.78	0.018	17	0.31	54.158	18	33.8	37.07	16	33.8	G0 J	11	1071	A -13 883
44		9.3A	25 0.089	0.0031	17	-13 20 57.51	0.000	18	0.33	0.048	18	33.8	57.51	16	33.8	K2 J	11	1072	A -13 885
45		9.3A	25 7.337	-0.0035	21	-17 9 33.91	-0.017	15	0.34	7.394	18	33.8	33.64	16	33.8		12A	1217	A -17 881
46		8.7A	25 9.656	0.0002	15	-12 45 21.77	0.008	17	0.31	9.654	18	33.8	21.90	16	33.8	A2 J	11	1073	A -12 896
47		9.0A	25 11.241	-0.0017	17	-12 44 23.96	-0.006	18	0.33	11.270	18	33.8	23.87	16	33.8		11	1074	A -12 897
48		9.1A	25 20.803	-0.0020	18	-10 2 44.01	0.020	20	0.35	20.835	18	33.8	44.34	16	33.8	F8 J	11	1076	A -10 922
49		8.7A	25 24.235	-0.0039	15	-12 14 44.36	0.013	17	0.31	24.298	18	33.8	44.57	16	33.8	K2 J	11	1077	A -12 899
50		7.4A	25 25.919	0.0002	15	-11 14 5.36	0.018	15	0.30	25.916	18	33.8	5.65	16	33.8	G5 J	11	1078	A -11 880
51		8.1A	4 25 29.599	0.0005	15	-19 28 1.95	0.019	11	0.27	29.592	18	33.8	2.26	16	33.8	G0 J	12B	1368	A -19 929
52		8.4A	25 33.560	0.0006	17	-18 12 40.78	-0.014	13	0.30	33.551	18	33.8	40.54	16	33.8	K0 J	12B	1369	A -18 845
53		8.7A	25 35.370	0.0002	17	-17 52 3.96	-0.053	12	0.29	35.367	18	33.8	3.09	16	33.8	K0 J	12B	1370	A -18 846
54		8.6A	25 36.072	-0.0006	15	-12 7 23.35	-0.014	15	0.30	36.081	18	33.8	23.13	16	33.8	K0 J	11	1079	A -12 900
55		8.3A	25 37.336	-0.0003	18	-13 34 29.67	-0.045	20	0.35	37.341	18	33.8	28.95	16	33.8	B9 J	11	1081	A -13 887
56		8.6A	25 37.476	0.0022	18	-11 17 3.31	0.051	20	0.35	37.441	18	33.8	4.14	16	33.8	G5 J	11	1080	A -11 881
57		9.2A	25 40.475	-0.0004	17	-12 6 8.97	-0.008	18	0.33	40.481	18	33.8	8.84	16	33.8	F8 J	11	1082	A -12 902
58		7.4A	25 43.341	-0.0009	17	-12 6 43.97	-0.001	18	0.33	43.355	18	33.8	43.96	16	33.8	A5 J	11	1083	A -12 903
59		7.1A	25 44.135	0.0004	17	-17 57 4.27	-0.027	12	0.29	44.128	18	33.8	3.82	16	33.8	K5 J	12B	1371	A -18 848
60		8.7A	25 46.719	0.0006	21	-15 27 28.92	-0.008	15	0.34	46.709	18	33.8	28.80	16	33.8	F0 J	12A	1220	A -15 793
61		7.1T	25 50.250	0.0003	14	-15 17 26.43	0.040	16	0.78	50.235	24	00.8	28.41	22	00.7	G5	GC	5437	-15 794
62		9.0A	25 50.432	-0.0014	18	-12 22 30.00	0.021	20	0.35	50.454	18	33.8	30.34	16	33.8	B9 J	11	1084	A -12 904
63		9.1A	25 59.947	0.0011	17	-14 5 1.04	-0.015	12	0.29	59.930	18	33.8	0.80	16	33.8	G0 J	12A	1223	A -14 907
64		9.3A	26 0.036	0.0005	21	-14 5 22.05	-0.006	15	0.34	0.028	18	33.8	21.96	16	33.8		12A	1224	A -14 907
65		9.2A	26 2.317	0.0008	21	-13 43 48.16	-0.014	15	0.34	2.304	18	33.8	47.94	16	33.8	K0 J	12A	1225	A -13 888
66		8.6A	26 8.549	-0.0003	17	-10 38 41.07	-0.007	17	0.32	8.553	18	33.8	40.96	16	33.8	F5 J	11	1086	A -10 925
67		8.8A	26 13.692	-0.0017	21	-17 30 44.86	-0.016	15	0.34	13.719	18	33.8	44.59	16	33.8	K0 J	12A	1226	A -17 889
68		6.1T	26 26.907	0.0016	14	-19 33 58.69	-0.089	13	0.65	26.837	18	06.3	54.62	18	04.1	K0	GC	5449	-19 931
69		8.6A	26 31.664	-0.0007	18	-10 7 48.76	0.010	20	0.35	31.695	18	33.8	48.93	16	33.8	A0 J	11	1088	A -10 926
70		7.9A	26 32.932	0.0019	15	-11 9 58.47	-0.049	17	0.31	32.901	18	33.8	57.68	16	33.8	F8 J	11	1089	A -11 886
71		7.7A	26 33.299	0.0009	21	-15 5 18.96	0.003	15	0.34	33.283	18	33.8	19.02	16	33.8	K5 J	12A	1227	A -15 796
72		8.2A	26 40.046	-0.0002	18	-13 46 11.84	-0.077	13	0.31	40.049	18	33.8	10.59	16	33.8	G0 J	12A	1228	A -13 892
73		8.8A	26 45.319	-0.0013	15	-12 19 30.35	-0.050	15	0.30	45.340	18	33.8	29.87	16	33.8	K2 J	11	1091	A -12 908
74		5.5T	26 47.496	-0.0002	07	-13 9 26.26	-0.006	06	0.27	47.505	07	10.9	26.02	07	10.6	B3P	GC	5458	B+-13 893
75		8.1A	26 57.701	0.0008	18	-18 35 3.10	0.004	13	0.31	57.688	18	33.8	3.16	16	33.8	K0 J	12B	1375	A -18 849
76		8.7A	26 58.587	-0.0014	17	-10 35 12.13	0.006	18	0.33	58.610	18	33.8	12.23	16	33.8	G5 J	11	1093	A -10 927
77		7.9A	27 4.224	0.0011	17	-14 9 43.47	0.017	12	0.29	4.207	18	33.8	43.75	16	33.8	F0 J	12A	1229	A -14 913
78		8.8A	27 10.042	-0.0012	21	-15 8 21.08	0.011	15	0.34	10.061	18	33.8	21.26	16	33.8	A0 J	12A	1230	A -15 798
79		8.6A	27 19.673	-0.0023	21	-16 2 45.83	-0.041	15	0.34	19.711	18	33.8	45.17	16	33.8	K	12A	1231	A -16 870
80		9.0A	27 28.964	-0.0001	13	-18 50 44.84	-0.016	12	0.27	28.967	18	33.8	44.58	16	33.8	F5 J	12B	1379	A -19 937
81		8.7A	27 31.925	0.0037	17	-14 9 51.98	0.114	12	0.29	31.863	18	33.8	53.83	16	33.8	F5 J	12A	1232	A -14 916
82		6.4T	27 51.032	-0.0022	11	-13 41 59.88	0.009	11	0.56	51.137	19	02.7	0.32	18	02.5	G5	GC	5484	-13 896
83		7.9A	27 54.161	0.0032	18	-11 40 6.31	0.056	20	0.35	54.109	18	33.8	7.22	16	33.8	F5 J	11	1095	A -11 891
84		8.9A	28 1.012	-0.0030	17	-17 53 50.46	-0.044	13	0.30	1.061	18	33.8	49.74	16	33.8	G5 J	12B	1381	A -18 853
85		9.0A	28 2.650	-0.0013	21	-16 58 7.77	-0.004	15	0.34	2.671	18	33.8	7.71	16	33.8	K0 J	12A	1235	A -17 892
86		8.8A	28 7.200	0.0007	15	-10 1 20.54	0.021	15	0.30	7.189	18	33.8	20.88	16	33.8	K0 J	11	1096	A -10 933
87		8.0A	28 9.121	-0.0032	18	-13 22 28.64	0.068	20	0.35	9.173	18	33.8	30.07	16	33.8	G5 J	11	1097	A -13 897
88		9.2A	28 14.931	-0.0033	21	-15 11 46.19	-0.009	15	0.34	14.984	18	33.8	46.05	16	33.8	G0 J	12A	1236	A -15 800
89		8.4A	28 15.720	-0.0022	15	-13 0 53.80	0.029	17	0.31	15.757	18	33.8	54.27	16	33.8	K0 J	11	1098	A -13 898
90		9.0A	28 17.514	-0.0034	21	-17 26 27.17	0.013	15	0.34	17.569	18	33.8	27.38	16	33.8	K5 J	12A	1237	A -17 893
91		8.5A	28 21.529	-0.0001	21	-16 0 1.79	-0.026	15	0.34	21.532	18	33.8	1.37	16	33.8	K0 J	12A	1238	A -16 876
92		8.8A	28 22.932	0.0002	21	-16 22 49.30	-0.061	15	0.34	22.929	18	33.8	48.32	16	33.8	K2 J	12A	1239	A -16 877
93		8.9A	28 24.782	-0.0006	15	-11 2 49.50	-0.011	17	0.31	24.791	18	33.8	49.32	16	33.8	K5 J	11	1099	A -11 894
94		8.9A	28 26.043	-0.0017	15	-12 16 22.02	0.025	17	0.31	26.071	18	33.8	22.43	16	33.8	F5 J	11	1100	A -12 914
95		3.8A	28 26.594	0.0004	21	-16 33 35.34	-0.038	15	0.34	26.587	18	33.8	34.73	16	33.8	G5 J	12A	1240	A -16 878
96		8.9A	28 27.709	-0.0013	18	-16 34 13.88	-0.034	13	0.31	27.731	18	33.8	13.34	16	33.8	K2 J	12A	1241	A -16 879
97		9.2A	28 36.008	-0.0028	21	-16 2 19.88	-0.064	15	0.34	38.054	18	33.8	18.85	16	33.8	G0 J	12A	1242	A -16 880
98		8.9A	28 44.931	0.0004	18	-18 3 43.44	-0.031	13	0.31	44.924	18	33.8	42.93	16	33.8	G0 J	12B	1386	A -18 857
99		8.3A	28 45.891	0.0025	21	-16 59 42.11	0.023	15	0.34	45.851	18	33.8	42.49	16	33.8	K0 J	12A	1243	A -17 896
00		8.6A	28 57.031	0.0038	15	-13 27 50.80	0.042	17	0.31	56.970	18	33.8	51.48	16	33.8	F8 J	11	1101	A -13 901

149700

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	EPOCH 1950 μ s	σ_μ ″.001	EPOCH 1950 δ_{1950} ° ′ ″	EPOCH 1950 μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ ″.01	ep.	ORIGINAL EPOCH δ_2 ″	σ' ″.01	ep.	SP.		SOURCE CAT.	SOURCE STAR NUMBER	DM NUMBER
1		8.7A	4 29 0.771	-0.0012	17	-19 34 49.95	0.064	12	0.29	0.790	18	33.8	50.99	16	33.8	F5	J	12B	1387	A -19 946
2		6.1T	29 7.236	-0.0012	12	-13 45 0.92	-0.063	12	0.61	7.296	19	02.7	57.94	18	02.5	A2		GC	5520K	-13 904
3		9.0A	29 8.630	-0.0001	21	-13 44 39.16	-0.075	15	0.34	8.632	18	33.8	37.95	16	33.8			12A	1245	A -13 905
4		8.9A	29 10.370	0.0004	15	-10 13 38.86	0.010	17	0.31	10.363	18	33.8	39.03	16	33.8	A0	J	11	1102	A -10 937
5		8.6A	29 23.420	-0.0060	21	-15 44 41.66	-0.054	15	0.34	23.517	18	33.8	40.79	16	33.8	G0	J	12A	1246	A -15 804
6		7.0T	29 36.751	0.0060	12	-12 44 16.75	0.032	12	0.67	36.441	18	98.2	18.42	18	97.8	F5		GC	5537	-12 915
7		8.3A	29 45.904	0.0017	18	-16 3 51.13	0.048	13	0.31	45.878	18	33.8	51.91	16	33.8	K0	J	12A	1247	A -16 886
8		9.0A	29 47.301	-0.0004	18	-10 40 55.76	-0.005	20	0.35	47.308	18	33.8	55.68	16	33.8	F5	J	11	1106	A -10 942
9		9.0A	29 50.312	-0.0013	15	-12 25 9.21	-0.003	16	0.32	50.332	18	33.8	9.16	16	33.8	K5	J	11	1109	A -12 918
10		8.6A	29 53.547	-0.0002	17	-17 39 18.98	0.007	13	0.30	53.550	18	33.8	19.08	16	33.8	A0	J	12B	1394	A -17 900
11		8.8A	29 54.073	-0.0001	15	-10 1 38.88	-0.034	15	0.30	54.074	18	33.8	38.33	16	33.8	F5	J	11	1110	A -10 943
12		9.0A	29 58.974	-0.0006	17	-13 41 30.45	0.005	12	0.29	58.984	18	33.8	30.53	16	33.8	A0	J	12A	1249	A -13 910
13		9.0A	29 59.689	0.0024	18	-11 52 32.37	0.070	20	0.35	59.651	18	33.8	33.51	16	33.8	G0	J	11	1111	A -12 919
14		8.6A	30 5.273	0.0032	18	-18 51 38.02	-0.011	13	0.31	5.221	18	33.8	37.83	16	33.8	M0	J	12B	1395	A -19 950
15		9.1A	30 10.508	-0.0030	18	-19 57 51.61	-0.019	13	0.30	10.556	16	33.8	51.30	16	33.8	A3	J	13A	1396	A -20 870
16		7.9A	30 12.035	-0.0016	21	-17 22 22.38	-0.015	15	0.34	12.060	18	33.8	22.14	16	33.8	K0	J	12A	1250	A -17 902
17		7.9A	30 14.983	0.0016	13	-17 50 46.54	-0.033	11	0.26	14.957	18	33.8	46.01	16	33.8	K5	J	12B	1397	A -18 861
18		8.9A	30 20.403	0.0023	20	-18 14 28.27	0.050	15	0.33	20.366	18	33.8	29.09	16	33.8	F8	J	12B	1398	A -18 864
19		8.6A	30 30.121	0.0032	21	-13 55 18.99	0.024	15	0.34	30.070	18	33.8	19.39	16	33.8	G	J	12A	1252	A -14 923
20		8.8A	30 41.062	0.0007	17	-19 42 35.59	-0.022	11	0.27	41.050	16	33.8	35.24	16	33.8	F5	J	13A	1400	A -19 952
21		7.9A	30 41.877	-0.0013	21	-15 52 21.72	-0.004	15	0.34	41.898	18	33.8	21.66	16	33.8	A3	J	12A	1253	A -16 890
22		6.7T	30 46.479	-0.0028	11	-12 38 50.00	-0.028	12	0.55	46.606	18	04.8	48.68	18	02.9	K0		GC	5553	-12 923
23		7.9A	30 56.004	0.0053	18	-19 27 46.78	0.035	13	0.31	55.918	18	33.8	47.34	16	33.8	F5	J	12B	1401	A -19 954
24		8.6A	30 56.163	0.0026	17	-10 56 11.96	-0.102	17	0.32	56.121	18	33.8	10.31	16	33.8	F8	J	11	1117	A -11 899
25		6.2T	31 0.178	-0.0008	11	-10 53 24.41	0.015	11	0.56	0.215	18	03.3	25.15	18	01.4	K0		GC	5557	-11 900
26		8.8A	31 10.745	-0.0015	18	-19 51 55.35	-0.025	13	0.30	10.770	16	33.8	54.94	16	33.8	F0	J	13A	1405	A -20 872
27		8.6A	31 20.439	0.0008	13	-11 47 15.32	0.016	15	0.29	20.426	18	33.8	15.58	16	33.8	F5	J	11	1119	A -11 902
28		8.9A	31 27.320	-0.0017	15	-12 36 54.79	-0.008	18	0.32	27.347	18	33.8	54.66	16	33.8	F5	J	11	1120	A -12 927
29		8.7A	31 27.539	-0.0013	21	-17 34 30.60	0.016	15	0.34	27.560	18	33.8	30.87	16	33.8	F8	J	12A	1254	A -17 905
30		8.6A	31 28.724	-0.0015	15	-13 1 56.01	0.029	17	0.31	28.749	18	33.8	56.49	16	33.8	K0	J	11	1121	A -13 918
31		9.0A	31 41.113	-0.0005	15	-18 46 27.15	-0.040	11	0.27	41.120	18	33.8	26.50	16	33.8	F2	J	12B	1409	A -18 870
32		7.5A	31 41.414	0.0027	17	-18 17 3.45	0.096	13	0.30	41.370	18	33.8	5.01	16	33.8	G0	J	12B	1408	A -18 869
33		8.5A	31 42.498	-0.0003	17	-19 16 52.56	0.015	12	0.29	42.502	18	33.8	52.80	16	33.8	K0	J	12B	1410	A -19 956
34		8.7A	31 51.032	-0.0005	21	-16 1 18.32	-0.022	15	0.34	51.039	18	33.8	17.96	16	33.8	K2	J	12A	1255	A -16 894
35		9.0A	31 52.510	0.0038	18	-19 55 43.24	-0.010	13	0.30	52.449	16	33.8	43.08	16	33.8	F5	J	13A	1411	A -20 876
36		8.9A	32 6.579	-0.0011	15	-11 49 15.02	-0.013	18	0.32	6.597	18	33.8	14.81	16	33.8	F2	J	11	1122	A -12 929
37		8.8A	32 11.966	-0.0021	17	-10 41 37.30	0.041	18	0.33	12.000	18	33.8	37.97	16	33.8	F2	J	11	1123	A -10 957
38		8.4A	32 15.030	0.0009	21	-17 0 17.91	0.009	15	0.34	15.016	18	33.8	18.06	16	33.8	K0	J	12A	1256	A -17 907
39		8.6A	32 18.702	-0.0017	17	-11 44 18.62	-0.043	18	0.33	18.731	18	33.8	17.92	16	33.8	G5	J	11	1124	A -11 904
40		8.7A	32 30.461	-0.0002	18	-16 54 43.06	0.001	13	0.31	30.464	18	33.8	43.08	16	33.8	K7	J	12A	1257	A -17 909
41		9.1A	32 32.014	-0.0005	18	-17 49 41.59	-0.027	13	0.31	32.022	18	33.8	41.15	16	33.8	A5	J	12B	1414	A -18 872
42		8.7A	32 34.908	0.0002	18	-19 18 18.49	-0.014	12	0.30	34.904	18	33.8	18.26	16	33.8	K0	J	12B	1415	A -19 959
43		9.6A	32 35.476	0.0028	17	-12 59 58.95	-0.027	18	0.33	35.430	18	33.8	58.51	16	33.8	F5	J	11	1125	A -13 923
44		9.0A	32 40.123	0.0011	13	-13 1 25.37	0.053	15	0.29	40.105	18	33.8	26.23	16	33.8	M0	J	11	1126	A -13 924
45		9.0A	32 41.176	-0.0031	18	-12 52 41.98	-0.028	20	0.35	41.226	18	33.8	41.52	16	33.8	A3	J	11	1127	A -13 925
46		9.3A	32 43.848	-0.0023	18	-17 33 20.38	-0.121	13	0.31	43.884	18	33.8	18.42	16	33.8	F5	J	12A	1259	A -17 910
47		8.7A	32 49.646	-0.0019	15	-12 10 26.85	0.029	15	0.30	49.676	18	33.8	27.32	16	33.8	K0	J	11	1130	A -12 934
48		8.9A	32 51.872	0.0001	17	-12 10 46.04	0.010	18	0.33	51.871	18	33.8	46.21	16	33.8	G0	J	11	1131	A -12 935
49		8.9A	32 56.013	0.0002	13	-13 4 2.90	0.005	15	0.29	56.011	18	33.8	2.98	16	33.8	G5P	J	11	1132	A -13 927
50		9.3A	33 2.743	-0.0023	17	-12 51 9.93	-0.062	17	0.32	2.780	18	33.8	8.93	16	33.8	G0	J	11	1133	A -13 928
51		8.8A	4 33 6.319	0.0023	17	-11 40 29.58	-0.012	18	0.33	6.281	18	33.8	29.39	16	33.8	G0	J	11	1134	A -11 907
52		8.9A	33 31.464	-0.0002	13	-19 19 28.77	-0.010	11	0.26	31.467	18	33.8	28.60	16	33.8	G0	J	12B	1420	A -19 964
53		9.4A	33 51.216	0.0005	18	-17 58 57.68	-0.011	13	0.31	51.207	18	33.8	57.50	16	33.8	G5	J	12B	1425	A -18 876
54		8.9A	33 51.233	0.0002	17	-18 49 36.41	-0.011	12	0.29	51.230	18	33.8	36.22	16	33.8	F5	J	12B	1426	A -19 965
55		8.7A	34 3.183	0.0025	15	-11 21 57.92	0.037	17	0.31	3.142	18	33.8	58.52	16	33.8	K0	J	11	1136	A -11 911
56		9.1A	34 3.538	-0.0009	17	-10 5 1.30	0.024	18	0.33	3.553	18	33.8	1.69	16	33.8	G5	J	11	1135	A -10 965
57		7.9A	34 5.109	-0.0013	21	-17 32 40.17	-0.011	15	0.34	5.130	18	33.8	40.00	16	33.8	F0	J	12A	1260	A -17 913
58		9.1A	34 9.301	0.0017	17	-10 20 23.95	-0.050	18	0.33	9.273	18	33.8	23.14	16	33.8	K0	J	11	1137	A -10 966
59		9.4A	34 9.567	0.0020	21	-17 17 0.60	-0.015	15	0.34	9.535	18	33.8	0.36	16	33.8	F8	J	12A	1261	A -17 914
60		9.0A	34 16.462	0.0026	17	-14 45 2.40	0.017	12	0.29	16.420	18	33.8	2.68	16	33.8	K5	J	12A	1262	A -14 929
61		8.8A	34 30.545	0.0004	12	-17 59 5.35	0.045	11	0.25	30.539	18	33.8	6.08	16	33.8	G5	J	12B	1430	A -18 879
62		9.0A	34 35.323	-0.0023	20	-17 38 59.42	-0.051	15	0.33	35.360	18	33.8	58.60	16	33.8	G5	J	12B	1431K	A -17 917
63		7.8A	34 36.642	0.0028	21	-15 1 34.40	0.013	15	0.34	36.596	18	33.8	34.61	16	33.8	G0	J	12A	1263K	A -15 819
64		8.8A	34 37.522	-0.0116	21	-14 59 4.09	-0.141	15	0.34	37.710	18	33.8	1.81	16	33.8			12A	1264	A -15 820
65		9.2A	34 45.227	-0.0007	15	-15 6 54.59	-0.014	11	0.27	45.238	18	33.8	54.37	16	33.8	F8	J	12A	1266	A -15 822
66		8.6A	34 50.598	0.0052	21	-14 13 2.70	0.006	15	0.34	50.514	18	33.8	2.81	16	33.8	F8	J	12A	1267	A -14 931
67		8.0A	34 54.638	0.0007	18	-12 15 49.37	0.061	20	0.35	54.627	18	33.8	50.36	16	33.8	K5	J	11	1139	A -12 947
68		8.4A	34 55.526	-0.0009	18	-12 39 35.00	0.021	20	0.35	55.540	18	33.8	35.34	16	33.8	M0	J	11	1140	A -12 948
69		8.0A	35 0.309	-0.0021	21	-15 47 56.13	-0.018	15	0.34	0.343	18	33.8	55.84	16	33.8	K2	J	12A	1268	A -15 824
70		8.8A	35 6.174	0.0007	17	-11 57 58.62	-0.038	18	0.33	6.163	18	33.8	58.01	16	33.8	K0	J	11	1142	A -12 949
71		8.4A	35 10.773	0.0000	18	-16 27 42.62	-0.039	13	0.31	10.772	18	33.8	41.99	16	33.8	A0	J	12A	1269	A -16 905
72		9.1A	35 16.800	-0.0008	18	-19 49 56.98	-0.017	13	0.30	16.812	16	33.8	56.71	16	33.8	F8	J	13A	1435	A -20 889
73		7.0A	35 31.314	-0.0014	18	-18 25 47.43	-0.019	13	0.31	31.337	18	33.8	47.12	16	33.8	K0	J	12B	1438	A -18 881
74		9.1A	35 33.001	-0.0007	15	-11 58 47.07	-0.042	17	0.31	33.013	18	33.8	46.39	16	33.8	K2	J	11	1143	A -12 952
75		8.4A	35 33.710	0.0007	21	-17 31 7.69	-0.015	15	0.34	33.698	18	33.8	7.46	16	33.8	A0	J	12A	1270	A -17 919
76		7.3Q	35 40.341	-0.0001	11	-13 7 40.16	-0.038	08	0.53	40.347	19	98.6	37.90	17	90.4	A0		GC	5651K	B*-13 937
77		7.8Q	35 40.590	0.0020	15	-13 7 50.44	0.013	12	0.65	40.503	19	06.0	51.08	19	00.7	A0		GC	5652K	-13 938
78		8.6A	35 45.591	0.0002	20	-11 16 0.86	0.017	20	0.36	45.588	18	33.8	1.14	16	33.8	K2	J	11	1146	A -11 920
79		7.2A	35 50.618	-0.0002	17	-17 54 53.02	-0.012	12	0.29	50.622	18	33.8	52.82	16	33.8	K0	J	12B	1439	A -18 883
80		8.0A	35 52.463	0.0015	20	-13 21 24.23	0.012	20	0.36	52.439	18	33.8	24.42	16	33.8	F8	J	11	1147	A -13 939
81		4.0H	35 53.315	-0.0055	01	-14 24 1.60	-0.161	01	0.05	53.523	02	12.0	-55.67	03	13.1	K0		F4	172	-14 933
82		8.2A	35 54.833	-0.0027	21	-16 49 30.57	-0.073	15	0.34	54.876	18	33.8	29.39	16	33.8	K2	J	12A	1273	A -17 921
83		9.1A	36 8.235	0.0001	20	-10 18 26.38	-0.019	20	0.36	8.234	18	33.8	26.07	16	33.8	G0	J	11	1148	A -10 972
84		9.0A	36 12.329	-0.0011	15	-12 53 24.48	-0.065	17	0.31	12.346	18	33.8	23.43	16	33.8	G0	J	11	1149	A -13 940
85		9.0A	36 14.043	0.0012	21	-16 36 29.15	-0.001	15	0.34	14.023	18	33.8	29.13	16	33.8	A2	J	12A	1274	A -16 909
86		8.8A	36 17.004	-0.0021	20	-18 56 4.25	-0.010	15	0.33	17.038	18	33.8	4.08	16	33.8	K0	J	12B	1443	A -19 978
87		7.4A	36 17.499	0.0006	18	-19 44 20.47	-0.010	13	0.30	17.488	16	33.8	20.31	16	33.8	A3	J	13A	1444	A -19 979
88		8.8A	36 29.540	-0.0009	17	-18 46 27.59	0.019	12	0.29	29.555	18	33.8	27.89	16	33.8	F5	J	12B	1446	A -18 886
89		5.0T	36 33.535	-0.0041	05	-12 13 14.54	-0.011	05	0.27	33.724	12	04.0	13.98	12	98.1	A2		GC	5669	B*-12 955
90		9.2A	36 33.995	-0.0012	15	-10 47 21.22	0.014	17	0.31	34.014	18	33.8	21.45	16	33.8	A0	J	11	1150	A -10 973
91		8.5A	36 36.880	-0.0037	17	-13 26 36.97	-0.025	18	0.33	36.940	18	33.8	36.56	16	33.8	K0	J	11	1152	A -13 942
92		8.7A	36 42.309	0.0010	17	-18 59 6.27	-0.003	12	0.29	42.292	18	33.8	6.21	16	33.8	K0	J	12B	1448	A -19 981
93		8.0A	36 44.717	-0.0045	21	-15 2 36.84	-0.017	15	0.34	44.790	18	33.8	36.57	16	33.8	G0	J	12A	1275	A -15 828
94		8.2A	36 48.503	0.0010	21	-15 18 46.85	-0.070	15	0.34	48.487	18	33.8	45.72	16	33.8	G5	J	12A	1276	A -15 830
95		8.8A	36 51.633	-0.0013	18	-19 49 32.34	-0.041	13	0.30	51.653	16	33.8	31.68	16	33.8	G0	J	13A	1449	A -20 896
96		9.3A	36 54.581	0.0004	21	-16 10 2.20	-0.046	15	0.34	54.574	18	33.8	1.46	16	33.8	G0	J	12A	1277	A -16 912
97		5.6T	37 1.615	0.0080	04	-14 27 17.44	-0.127	03	0.18	1.271	09	06.8	11.55	09	03.4	G5		GC	5678	B*-14 936
98		8.5A	37 4.209	-0.0043	15	-12 37 36.89	0.010	17	0.31	4.279	18	33.8	37.05	16	33.8	G0	J	11	1153	A -12 958
99		8.5A	37 7.932	0.0004	21	-16 4 44.96	-0.025	15	0.34	7.926	18	33.8	44.55	16	33.8	A	J	12A	1279	A -16 913
00		9.1A	37 8.480	-0.0011	17	-11 47 26.03	-0.038	18	0.33	8.499	18	33.8	25.42	16	33.8	A7	J	11	1154	A -11 928

-10° 4H

149800

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	EPOCH 1950 μ s	EPOCH 1950 σ_μ ,,.001	EPOCH 1950 δ_{1950} ° ′ ″	EPOCH 1950 μ' ″	EPOCH 1950 $\sigma_{\mu'}$ ″.001	EPOCH 1950 σ_{1950} ″	ORIGINAL EPOCH α_2 s	ORIGINAL EPOCH σ ,,.01	ORIGINAL EPOCH ep.	ORIGINAL EPOCH δ_2 ″	ORIGINAL EPOCH σ' ,,.01	ORIGINAL EPOCH ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	-10° 4H DM NUMBER
1		9.1A	4 37 12.056	-0.0006	17	-11 10 17.03	-0.013	18	0.33	12.066	18	33.8	16.82	16	33.8	K5 J	11	1155	A -11 929
2		9.0A	37 18.027	-0.0005	18	-15 36 45.86	-0.012	13	0.31	18.035	18	33.8	45.67	16	33.8	A0 J	12A	1280	A -15 832
3		9.2A	37 18.432	-0.0013	18	-15 48 16.43	-0.004	13	0.31	18.453	18	33.8	16.36	16	33.8	K5 J	12A	1282	A -15 833
4		8.2A	37 19.568	0.0020	21	-14 41 35.95	0.065	15	0.34	19.535	18	33.8	37.00	16	33.8	F8 J	12A	1281	A -14 937
5		8.8A	37 23.381	-0.0015	17	-16 39 54.37	-0.025	12	0.29	23.405	18	33.8	53.96	16	33.8	G5 J	12A	1283	A -16 916
6		8.3A	37 25.427	-0.0010	17	-10 47 32.23	0.029	18	0.33	25.442	18	33.8	32.70	16	33.8	G0 J	11	1156	A -10 977
7		8.9A	37 28.818	0.0015	17	-12 37 39.85	0.030	18	0.33	28.795	18	33.8	40.33	16	33.8	F8 J	11	1157	A -12 961
8		8.0A	37 29.336	-0.0005	21	-17 3 36.33	0.007	15	0.34	29.345	18	33.8	36.44	16	33.8	K5 J	12A	1284	A -17 927
9		9.2A	37 32.293	0.0026	17	-11 2 58.16	-0.045	18	0.33	32.250	18	33.8	57.43	16	33.8	G0 J	11	1158	A -11 931
10		8.8A	37 36.474	-0.0008	18	-18 12 19.65	0.046	13	0.31	36.487	18	33.8	20.40	16	33.8	F2 J	12B	1455	A -18 890
11		9.2A	37 48.794	0.0016	17	-16 40 34.68	-0.001	12	0.29	48.767	18	33.8	34.66	16	33.8	A J	12A	1285	A -16 919
12		8.5A	37 54.394	-0.0004	17	-13 6 42.60	-0.001	18	0.33	54.400	18	33.8	42.58	16	33.8	F0 J	11	1159	A -13 947
13		9.0A	37 56.610	0.0009	17	-18 23 20.37	0.007	12	0.29	56.596	18	33.8	20.48	16	33.8	F8 J	12B	1458	A -18 891
14		8.6A	38 6.604	-0.0004	18	-11 52 6.23	-0.048	20	0.35	6.610	18	33.8	5.45	16	33.8	G0 J	11	1160	A -12 964
15		8.8A	38 8.047	-0.0015	13	-10 43 24.29	0.030	15	0.29	8.071	18	33.8	24.78	16	33.8	K0 J	11	1161	A -10 980
16		9.1A	38 10.744	-0.0004	18	-10 30 32.09	0.037	20	0.35	10.751	18	33.8	32.69	16	33.8	G5 J	11	1162	A -10 981
17		8.2A	38 12.048	0.0011	17	-17 46 46.45	0.009	12	0.29	12.030	18	33.8	46.60	16	33.8	K5 J	12B	1460	A -17 928
18		4.5T	38 15.153	0.0011	02	-19 45 58.40	-0.096	02	0.13	15.101	06	04.7	54.13	06	05.5	M0	GC	5695K	B#-19 988
19		9.2A	38 19.629	0.0009	18	-16 9 34.96	0.001	13	0.31	19.614	18	33.8	34.97	16	33.8	G0 J	12A	1287	A -16 921
20		9.0A	38 24.179	-0.0030	17	-10 36 19.13	-0.013	18	0.33	24.227	18	33.8	18.92	16	33.8	F8 J	11	1163	A -10 982
21		9.2A	38 26.506	-0.0005	21	-15 42 39.91	-0.025	15	0.34	26.514	18	33.8	39.50	16	33.8	K2 J	12A	1288	A -15 837
22		9.1A	38 27.774	0.0033	17	-13 9 29.57	0.038	18	0.33	27.721	18	33.8	30.18	16	33.8	K2 J	11	1165	A -13 952
23		8.8A	38 29.249	-0.0006	17	-10 9 51.57	0.002	18	0.33	29.258	18	33.8	51.61	16	33.8	G0 J	11	1164	A -10 983
24		9.3A	38 38.493	-0.0001	18	-19 48 56.07	0.007	13	0.30	38.494	18	33.8	56.18	16	33.8	K0 J	13A	1463	A -20 908
25		8.3A	38 57.230	0.0004	21	-14 2 6.56	-0.029	15	0.34	57.223	18	33.8	6.10	16	33.8	K0 J	12A	1289	A -14 942
26		9.0A	39 1.279	-0.0014	17	-11 9 28.78	0.022	18	0.33	1.301	18	33.8	29.14	16	33.8	K0 J	11	1166	A -11 935
27		8.9A	39 4.116	-0.0014	18	-17 42 51.79	-0.003	13	0.31	4.139	18	33.8	51.75	16	33.8	M J	12B	1465	A -17 930
28		8.8A	39 10.910	-0.0006	13	-19 32 25.54	-0.016	11	0.26	10.920	18	33.8	25.28	16	33.8	F0 J	12B	1466	A -19 995
29		7.7A	39 16.707	0.0010	21	-14 46 56.00	-0.016	15	0.34	16.690	18	33.8	55.74	16	33.8	G5 J	12A	1291	A -14 943
30		9.0A	39 22.032	0.0040	21	-16 47 0.32	-0.008	15	0.34	21.967	18	33.8	0.19	16	33.8	G0 J	12A	1292	A -16 924
31		6.6T	39 22.195	-0.0021	13	-12 34 12.83	0.040	13	0.73	22.305	19	97.9	14.97	18	96.7	A2	GC	5721	-12 969
32		8.9A	39 29.131	-0.0013	17	-11 48 19.19	0.009	17	0.32	29.153	18	33.8	19.34	16	33.8	K0 J	11	1168	A -11 936
33		8.4A	39 37.380	-0.0017	15	-11 41 15.50	0.016	15	0.30	37.407	18	33.8	15.76	16	33.8	A3 J	11	1169	A -11 938
34		8.8A	39 48.334	-0.0025	15	-11 44 11.34	0.061	18	0.32	48.375	18	33.8	12.33	16	33.8	G0 J	11	1170	A -11 939
35		8.9A	39 55.497	0.0030	17	-12 15 13.72	-0.030	18	0.33	55.448	18	33.8	13.24	16	33.8	K0 J	11	1171	A -12 970
36		9.0A	40 6.912	-0.0012	21	-16 59 54.82	-0.004	15	0.34	6.930	18	33.8	54.75	16	33.8	F5 J	12A	1294	A -17 933
37		8.8A	40 7.838	0.0005	21	-15 35 42.40	-0.003	15	0.34	7.823	18	33.8	42.35	16	33.8	K2 J	12A	1293	A -15 843
38		8.6A	40 29.914	-0.0016	15	-18 2 10.23	0.018	11	0.27	29.940	18	33.8	10.52	16	33.8	K7 J	12B	1471	A -18 900
39		8.5A	40 30.535	0.0017	21	-16 0 17.11	-0.015	15	0.34	30.507	18	33.8	16.87	16	33.8	M0 J	12A	1295	A -16 926
40		8.8A	40 38.596	-0.0007	13	-17 55 12.14	-0.019	11	0.26	38.608	18	33.8	11.83	16	33.8	A3 J	12B	1473	A -18 902
41		8.2A	40 39.766	-0.0024	17	-15 25 42.30	-0.000	12	0.29	39.805	18	33.8	42.30	16	33.8	K7 J	12A	1296	A -15 845
42		9.2A	40 42.957	-0.0020	18	-19 52 50.73	0.011	13	0.30	42.989	18	33.8	50.91	16	33.8	F5 J	13A	1476	A -20 918
43		7.5A	40 54.168	0.0029	21	-15 42 48.18	-0.030	15	0.34	54.121	18	33.8	47.69	16	33.8	K5 J	12A	1298	A -15 848
44		9.4A	41 0.284	0.0009	18	-16 2 19.09	-0.007	13	0.31	0.270	18	33.8	18.97	16	33.8	F8 J	12A	1299	A -16 929
45		9.5A	41 6.509	-0.0000	21	-16 0 48.42	-0.026	15	0.34	6.510	18	33.8	48.00	16	33.8	K7 J	12A	1300	A -16 930
46		9.6A	41 16.944	-0.0034	15	-10 10 39.25	-0.001	17	0.31	17.000	18	33.8	39.23	16	33.8		11	1173	
47		8.1A	41 24.006	0.0011	17	-10 46 29.31	-0.006	18	0.33	23.987	18	33.8	29.21	16	33.8	A5 J	11	1174	A -10 993
48		8.8A	41 27.786	-0.0003	13	-12 23 11.67	-0.003	15	0.29	27.792	18	33.8	11.62	16	33.8	G5 J	11	1176	A -12 973
49		8.5A	41 28.619	-0.0025	18	-10 13 42.81	-0.004	20	0.35	28.659	18	33.8	42.75	16	33.8	K2 J	11	1175	A -10 994
50		9.0A	41 32.606	0.0011	15	-11 16 57.77	-0.007	15	0.30	32.587	18	33.8	57.66	16	33.8	K0 J	11	1177	A -11 945
51		8.3A	4 41 38.485	-0.0011	17	-14 32 29.86	-0.001	12	0.29	38.502	18	33.8	29.85	16	33.8	K2 J	12A	1301	A -14 951
52		8.7A	41 38.941	0.0031	18	-17 30 35.90	-0.063	13	0.31	38.891	18	33.8	34.88	16	33.8	G5 J	12A	1302	A -17 938
53		9.1A	41 44.065	-0.0029	15	-10 8 46.13	0.024	17	0.31	44.112	18	33.8	46.52	16	33.8	G0 J	11	1178	A -10 998
54		8.9A	41 48.138	0.0030	18	-13 3 0.31	0.023	20	0.35	48.089	18	33.8	0.68	16	33.8	K0 J	11	1179	A -13 961
55		8.8A	41 51.766	0.0005	21	-16 9 16.41	-0.024	15	0.34	51.758	18	33.8	16.02	16	33.8	K7 J	12A	1303	A -16 933
56		5.7T	41 55.421	0.0039	09	-18 45 28.77	-0.006	07	0.36	55.261	12	09.5	28.49	12	06.2	A0	GC	5773	-18 906
57		9.0A	42 2.063	-0.0008	17	-10 2 0.54	-0.144	18	0.33	2.077	18	33.8	-58.21	16	33.8	G0 J	11	1180	A -10 999
58		8.8A	42 7.709	-0.0048	13	-18 54 13.48	-0.045	11	0.26	7.787	18	33.8	12.74	16	33.8	F8 J	12B	1488	A -19 1001
59		7.1A	42 18.215	0.0045	18	-16 9 24.14	0.038	13	0.31	18.142	18	33.8	24.75	16	33.8	G0 J	12A	1304	A -16 937
60		8.5A	42 20.206	0.0012	18	-18 59 16.24	-0.003	13	0.31	20.186	18	33.8	16.18	16	33.8	F0 J	12B	1490	A -19 1004
61		8.9A	42 48.041	0.0009	21	-17 28 30.81	-0.039	15	0.34	48.026	18	33.8	30.18	16	33.8	G J	12A	1305	A -17 942
62		9.1A	42 48.141	-0.0027	15	-13 26 40.10	-0.015	17	0.31	48.185	18	33.8	39.86	16	33.8	K0 J	11	1182	A -13 963
63		8.7A	42 54.868	-0.0003	18	-18 15 14.28	-0.011	13	0.31	54.873	18	33.8	14.10	16	33.8	G5 J	12B	1494	A -18 910
64		9.1A	43 2.475	-0.0040	15	-11 15 3.65	0.108	17	0.31	2.540	18	33.8	5.40	16	33.8	K0 J	11	1183	A -11 952
65		8.6A	43 20.777	-0.0017	21	-17 24 26.85	-0.015	15	0.34	20.803	18	33.8	26.61	16	33.8	A2 J	12A	1306	A -17 945
66		8.8A	43 29.902	-0.0028	21	-15 0 56.98	-0.023	15	0.34	29.948	18	33.8	56.61	16	33.8	A2 J	12A	1307	A -15 858
67		7.7Q	43 30.790	-0.0016	11	-12 2 20.10	-0.005	08	0.49	30.865	18	03.3	19.84	17	96.4	F0	GC	5807K	B#-12 982
68		8.7A	43 32.397	0.0054	17	-14 33 21.78	-0.001	12	0.29	32.309	18	33.8	21.77	16	33.8	F5 J	12A	1308	A -14 958
69		7.9A	43 47.468	-0.0016	15	-13 3 52.75	0.006	17	0.31	47.494	18	33.8	52.84	16	33.8	A3 J	11	1189	A -13 969
70		8.5A	43 47.941	-0.0006	21	-16 36 19.61	0.007	15	0.34	47.951	18	33.8	19.72	16	33.8	A0 J	12A	1309	A -16 944
71		7.8A	43 48.681	-0.0019	15	-11 39 3.61	-0.001	17	0.31	48.713	18	33.8	3.59	16	33.8	B9 J	11	1188	A -11 955
72		8.8A	43 49.340	-0.0008	15	-10 18 41.80	-0.006	17	0.31	49.352	18	33.8	41.70	16	33.8	K5 J	11	1187	A -10 1006
73		9.0A	44 13.139	0.0006	15	-13 30 34.30	0.004	17	0.31	13.130	18	33.8	34.37	16	33.8	K2 J	11	1190	A -13 971
74		7.9A	44 13.308	0.0036	20	-17 54 45.87	0.062	15	0.33	13.249	18	33.8	46.87	16	33.8	K0 J	12B	1499	A -18 916
75		8.9A	44 21.221	0.0056	21	-14 50 35.72	-0.105	15	0.34	21.129	18	33.8	34.02	16	33.8	G5 J	12A	1311	A -15 861
76		8.8A	44 24.044	0.0084	21	-16 39 40.64	-0.079	15	0.34	23.940	18	33.8	39.36	16	33.8	G5 J	12A	1312	A -16 945
77		9.1A	44 27.053	-0.0007	17	-18 20 3.92	-0.019	12	0.29	27.065	18	33.8	3.61	16	33.8	K5 J	12B	1500	A -18 919
78		7.8A	44 29.308	-0.0010	18	-13 40 12.84	-0.017	13	0.31	29.322	18	33.8	12.57	16	33.8	K0 J	12A	1313	A -13 972
79		7.3A	44 37.655	-0.0000	18	-18 29 15.60	-0.006	15	0.32	37.655	18	33.8	15.50	16	33.8	F5 J	12B	1502	A -18 921
80		8.8A	44 38.118	0.0015	21	-17 2 24.51	0.009	15	0.34	38.094	18	33.8	24.66	16	33.8	G J	12A	1314	A -17 949
81		8.9A	44 43.780	0.0032	18	-17 2 44.19	-0.041	13	0.31	43.727	18	33.8	43.52	16	33.8	K7 J	12A	1315	A -17 950
82		8.1A	44 46.147	-0.0026	21	-16 15 13.75	0.023	15	0.34	46.189	18	33.8	14.12	16	33.8	F0 J	12A	1316	A -16 947
83		8.6A	44 58.801	-0.0038	15	-10 34 22.29	0.019	17	0.31	58.861	18	33.8	22.60	16	33.8	F0 J	11	1192	A -10 1012
84		8.5A	45 0.783	-0.0040	21	-17 20 8.56	-0.093	15	0.34	0.827	18	33.8	7.05	16	33.8	G0 J	12A	1317	A -17 952
85		8.8A	45 4.130	0.0033	21	-17 3 0.15	-0.001	15	0.34	4.076	18	33.8	0.13	16	33.8	K5 J	12A	1318	A -17 953
86		9.7A	45 7.659	-0.0085	17	-11 10 53.72	0.078	18	0.33	7.764	18	33.8	54.99	16	33.8		11	1193	A -11 960
87		9.1A	45 9.659	0.0007	13	-11 10 38.53	-0.032	13	0.28	9.648	18	33.8	38.01	16	33.8	K0 J	11	1194	A -11 961
88		5.6T	45 21.453	0.0088	03	-17 1 26.54	0.171	03	0.21	20.978	09	96.2	38.15	10	93.8	G0	GC	5843	B#-17 954
89		9.0A	45 26.532	-0.0000	21	-16 2 7.44	0.003	15	0.34	26.533	18	33.8	7.49	16	33.8	F8 J	12A	1320	A -16 951
90		9.3A	45 32.485	-0.0012	21	-17 9 58.59	-0.042	13	0.33	32.503	18	33.8	57.91	16	33.8	M J	12A	1322	A -17 955
91		7.9A	45 34.156	-0.0005	21	-15 15 23.36	-0.032	15	0.34	34.164	18	33.8	22.84	16	33.8	K0 J	12A	1321	A -15 865
92		9.2A	45 35.775	-0.0001	21	-16 3 59.39	-0.099	15	0.34	35.777	18	33.8	57.79	16	33.8	G0 J	12A	1323	A -16 952
93		9.1A	45 39.388	0.0046	15	-11 1 10.04	-0.087	15	0.30	39.313	18	33.8	8.64	16	33.8	K5 J	11	1196	A -11 965
94		8.2A	45 41.089	-0.0017	15	-10 40 38.62	-0.047	15	0.30	41.116	18	33.8	37.86	16	33.8	K0 J	11	1197	A -10 1016
95		8.9A	45 49.538	-0.0012	15	-11 15 38.85	0.020	17	0.31	49.557	18	33.8	39.18	16	33.8	K0 J	11	1198	A -11 966
96		8.7A	46 5.515	-0.0007	18	-18 20 34.89	-0.032	13	0.31	5.526	18	33.8	34.38	16	33.8	F0 J	12B	1510	A -18 927
97		8.7A	46 5.978	0.0009	15	-10 57 27.41	0.008	17	0.31	5.964	18	33.8	27.54	16	33.8	G0 J	11	1199	A -11 969
98		7.7A	46 8.338	0.0002	13	-19 49 0.08	-0.005	11	0.25	8.335	16	33.8	0.00	16	33.8	K5 J	13A	1511	A -19 1014
99		7.8A	46 12.562	0.0001	18	-19 56 20.63	0.018	13	0.30	12.561	18	33.8	20.92	16	33.8	M0 J	13A	1513	A -20 938
00		8.4A	46 12.777	-0.0027	15	-11 50 19.92	0.002	17	0.31	12.820	18	33.8	19.96	16	33.8	A5 J	11	1200	A -12 997

149900	EPOCH 1950									ORIGINAL EPOCH						SP.	SOURCE		-10° 4H
NUMBER	MAGNITUDES		α_{1950}	μ	σ_μ	δ_{1950}	μ'	$\sigma_{\mu'}$	σ_{1950}	α_2	σ	ep.	δ_2	σ'	ep.		CAT.	STAR NUMBER	DM NUMBER
	m_{pg}	m_v	h m s	s	″.001	° ′ ″	″	″.001	″	s	″.01		″	″.01					
1		6.0T	4 46 17.395	-0.0002	04	-16 25 0.42	0.036	04	0.23	17.402	12	03.7	2.25	12	99.2	F8	GC	5864	B*-16 956
2		7.8A	46 23.533	-0.0032	21	-16 15 11.59	0.015	15	0.34	23.585	18	33.8	11.83	16	33.8	K0 J	12A	1326	A -16 958
3		7.9A	46 23.991	-0.0001	21	-15 18 50.82	0.007	15	0.34	23.992	18	33.8	50.93	16	33.8	F2 J	12A	1325	A -15 867
4		9.0A	46 30.190	0.0001	18	-17 8 55.07	-0.029	13	0.31	30.188	18	33.8	54.60	16	33.8		12A	1327	A -17 959
5		8.8A	46 38.137	-0.0008	15	-13 19 56.93	0.020	17	0.31	38.150	18	33.8	57.38	16	33.8	K2 J	11	1201	A -13 977
6		8.2A	46 44.929	0.0005	21	-17 12 58.70	0.002	15	0.34	44.920	18	33.8	58.73	16	33.8	K5 J	12A	1328	A -17 960
7		8.9A	46 47.852	-0.0001	15	-11 32 43.14	0.057	17	0.31	47.854	18	33.8	44.07	16	33.8	F8 J	11	1202	A -11 972
8		9.0A	46 48.641	0.0004	21	-16 35 57.46	0.008	15	0.34	48.634	18	33.8	57.59	16	33.8	M J	12A	1329	A -16 959
9		8.9A	46 56.936	-0.0010	18	-10 39 13.81	-0.006	20	0.35	56.952	18	33.8	13.72	16	33.8	B9 J	11	1203	A -10 1019
10		7.6A	46 58.452	-0.0004	21	-15 48 14.74	-0.015	15	0.34	58.457	18	33.8	14.50	16	33.8	K2 J	12A	1330	A -15 868
11		8.8A	47 4.359	-0.0008	18	-10 40 42.94	-0.015	20	0.35	4.371	18	33.8	42.70	16	33.8	F8 J	11	1204	A -10 1021
12		8.7A	47 13.210	-0.0004	20	-19 58 35.73	0.045	15	0.32	13.217	16	33.8	36.46	16	33.8	K0 J	13A	1516	A -20 942
13		8.4A	47 17.952	0.0010	21	-15 42 17.12	-0.085	15	0.34	17.935	18	33.8	15.74	16	33.8	F2 J	12A	1331	A -15 871
14		7.6A	47 21.383	-0.0035	18	-12 7 42.63	0.027	20	0.35	21.439	18	33.8	43.07	16	33.8	A0 J	11	1205	A -12 1002
15		8.8A	47 22.467	-0.0032	21	-15 53 36.34	-0.123	15	0.34	22.519	18	33.8	34.35	16	33.8	F5 J	12A	1333	A -16 960
16		6.3T	47 24.567	-0.0083	11	-13 51 9.37	-0.165	09	0.39	24.895	09	10.7	3.10	09	11.9	F2	GC	5882	-14 970
17		8.6A	47 27.750	0.0005	20	-11 49 58.26	0.007	20	0.36	27.742	18	33.8	58.38	16	33.8	K5 J	11	1207	A -12 1003
18		9.1A	47 28.532	-0.0035	21	-15 49 35.28	-0.030	15	0.34	28.588	18	33.8	34.79	16	33.8	F2 J	12A	1334	A -15 872
19		9.4A	47 44.232	0.0005	21	-16 10 33.84	-0.008	15	0.34	44.224	18	33.8	33.71	16	33.8	F5 J	12A	1335	A -16 961
20		9.0A	47 46.589	-0.0027	20	-13 20 46.01	-0.043	20	0.36	46.633	18	33.8	45.31	16	33.8	F2 J	11	1210	A -13 984
21		8.7A	47 47.524	0.0005	20	-12 24 14.45	-0.021	20	0.36	47.516	18	33.8	14.11	16	33.8	K0 J	11	1209	A -12 1004
22		8.8A	47 48.621	-0.0002	17	-10 21 3.25	0.011	18	0.33	48.624	18	33.8	3.43	16	33.8	G5 J	11	1208	A -10 1024
23		6.8T	47 51.145	-0.0006	18	-15 53 19.20	-0.027	17	0.81	51.168	27	07.7	17.98	24	04.9	K0	GC	5891	-16 963
24		5.2T	47 56.261	0.0024	03	-16 18 9.83	0.054	03	0.13	56.156	06	07.1	12.16	06	06.9	K0	GC	5894	B*-16 964
25		8.8A	47 56.624	-0.0027	20	-13 39 13.28	0.028	20	0.36	56.667	18	33.8	13.74	16	33.8	K5 J	11	1211	A -13 986
26		8.1A	48 3.260	-0.0027	21	-13 43 11.11	-0.004	12	0.32	3.303	18	33.8	11.06	16	33.8	F0 J	12A	1338	A -13 987
27		8.7A	48 19.431	-0.0003	15	-19 8 32.56	-0.030	11	0.27	19.435	18	33.8	32.07	16	33.8	A5 J	12B	1519	A -19 1022
28		8.8A	48 21.721	0.0029	21	-16 23 39.11	0.020	15	0.34	21.674	18	33.8	39.43	16	33.8	F2 J	12A	1339	A -16 969
29		7.8A	48 27.972	0.0068	21	-15 39 9.34	-0.173	15	0.34	27.861	18	33.8	6.54	16	33.8	K0 J	12A	1340	A -15 874
30		7.5A	48 32.445	0.0024	18	-18 59 1.63	-0.044	13	0.31	32.406	18	33.8	0.91	16	33.8	K2 J	12B	1520	A -19 1023
31		8.8A	48 33.589	-0.0013	21	-15 12 55.56	-0.023	15	0.34	33.610	18	33.8	55.19	16	33.8	G5 J	12A	1341	A -15 875
32		8.9A	48 40.548	-0.0018	20	-12 19 24.65	-0.026	20	0.36	40.578	18	33.8	24.23	16	33.8	K0 J	11	1213	A -12 1007
33		9.1A	48 48.926	-0.0000	18	-18 36 21.66	0.021	13	0.31	48.926	18	33.8	21.99	16	33.8	K5 J	12B	1521	A -18 935
34		7.6A	48 52.503	-0.0020	20	-10 57 15.40	-0.023	20	0.36	52.535	18	33.8	15.03	16	33.8	K0 J	11	1215	A -11 981
35		8.6A	48 52.873	0.0023	17	-11 3 14.18	-0.007	18	0.33	52.836	18	33.8	14.07	16	33.8	A0 J	11	1216	A -11 982
36		8.7A	49 4.181	0.0002	15	-18 25 39.64	0.000	11	0.27	4.178	18	33.8	39.64	16	33.8	K5 J	12B	1523	A -18 937
37		7.4A	49 17.110	-0.0025	18	-10 22 24.99	-0.007	20	0.35	17.151	18	33.8	24.88	16	33.8	B9 J	11	1217	A -10 1028
38		7.8A	49 18.401	-0.0026	21	-14 40 18.61	-0.032	12	0.32	18.442	18	33.8	18.10	16	33.8	F5 J	12A	1342	A -14 981
39		8.1A	49 20.238	-0.0021	18	-13 29 31.36	0.045	20	0.35	20.272	18	33.8	32.09	16	33.8	A2 J	11	1219	A -13 996
40		8.7A	49 20.313	-0.0016	15	-13 30 42.37	0.025	17	0.31	20.338	18	33.8	42.79	16	33.8	A J	11	1220	A -13 997
41		8.8A	49 21.216	0.0057	17	-13 7 25.94	-0.012	18	0.33	21.124	18	33.8	25.75	16	33.8	K0 J	11	1221	A -13 995
42		8.2A	49 21.349	-0.0006	18	-12 1 51.71	-0.020	20	0.35	21.358	18	33.8	51.39	16	33.8	G5 J	11	1218	A -12 1010
43		8.8A	49 22.316	-0.0011	21	-15 51 22.02	0.013	15	0.34	22.333	18	33.8	22.23	16	33.8	K0 J	12A	1343	A -16 972
44		8.3A	49 28.767	-0.0028	18	-12 49 45.02	-0.032	20	0.35	28.812	18	33.8	44.50	16	33.8	A0 J	11	1222	A -12 1011
45		9.6A	49 30.154	0.0012	21	-16 24 7.92	0.080	15	0.34	30.134	18	33.8	9.21	16	33.8	F8 J	12A	1344	A -16 973
46		9.2A	49 30.730	0.0029	21	-16 28 42.50	0.006	15	0.34	30.682	18	33.8	42.59	16	33.8	G0 J	12A	1345	A -16 975
47		8.6A	49 32.629	0.0020	21	-16 52 28.21	0.016	15	0.34	32.597	18	33.8	28.47	16	33.8	K5 J	12A	1346	A -17 974
48		8.0A	49 47.863	-0.0011	21	-15 8 7.48	0.001	15	0.34	47.881	18	33.8	7.50	16	33.8	K0 J	12A	1347	A -15 880
49		8.8A	49 55.867	-0.0005	21	-16 37 14.66	-0.014	15	0.34	55.874	18	33.8	14.44	16	33.8	F8 J	12A	1348	A -16 980
50		9.1A	49 58.131	-0.0018	15	-18 28 45.20	0.048	11	0.27	58.161	18	33.8	45.97	16	33.8	K0 J	12B	1527	A -19 1034
51		7.8A	4 50 5.849	-0.0016	18	-13 21 11.51	-0.011	20	0.35	5.876	18	33.8	11.33	16	33.8	A3 J	11	1223	A -13 1004
52		8.0A	50 7.506	-0.0031	21	-14 58 46.21	-0.014	15	0.34	7.556	18	33.8	45.99	16	33.8	G5 J	12A	1349	A -15 883
53		8.6A	50 9.995	-0.0030	15	-13 36 1.93	0.033	15	0.30	10.044	18	33.8	2.47	16	33.8	A3 J	11	1225	A -13 1005
54		9.4A	50 11.689	-0.0017	21	-16 38 50.33	-0.028	15	0.34	11.715	18	33.8	49.88	16	33.8	F5 J	12A	1350	A -16 981
55		8.1A	50 12.949	-0.0007	15	-10 34 15.46	-0.010	15	0.30	12.960	18	33.8	15.30	16	33.8	B9 J	11	1224	A -10 1032
56		9.0A	50 21.262	-0.0000	18	-18 45 26.61	0.005	12	0.30	21.262	18	33.8	26.68	16	33.8	A3 J	12B	1528	A -18 945
57		9.1A	50 21.817	-0.0019	18	-10 36 24.55	0.009	20	0.35	21.847	18	33.8	24.70	16	33.8	F8 J	11	1226	A -10 1033
58		8.4A	50 21.884	-0.0025	15	-12 12 48.58	-0.053	17	0.31	21.925	18	33.8	47.72	16	33.8	K0 J	11	1227	A -12 1014
59		8.6A	50 23.622	0.0016	21	-16 56 54.50	0.011	15	0.34	23.596	18	33.8	54.68	16	33.8	A0 J	12A	1351	A -17 977
60		8.8A	50 36.152	0.0003	15	-12 50 35.07	-0.021	17	0.31	36.147	18	33.8	34.73	16	33.8	F2 J	11	1228	A -13 1008
61		8.6A	50 45.706	0.0005	21	-15 45 28.47	-0.017	15	0.34	45.697	18	33.8	28.19	16	33.8	G0 J	12A	1352	A -15 887
62		8.9A	50 47.535	0.0010	18	-18 11 22.56	0.001	13	0.31	47.520	18	33.8	22.58	16	33.8	F2 J	12B	1532	A -18 947
63		8.6A	50 48.766	0.0007	15	-18 54 20.60	-0.000	11	0.27	48.755	18	33.8	20.59	16	33.8	K2 J	12B	1533	A -19 1039
64		8.6A	50 49.463	0.0032	21	-17 2 48.16	0.021	15	0.34	49.412	18	33.8	48.50	16	33.8	K0 J	12A	1353	A -17 978
65		8.7A	51 19.054	0.0002	17	-17 54 28.48	0.006	12	0.29	19.051	18	33.8	28.59	16	33.8	F0 J	12B	1538	A -18 949
66		8.9A	51 26.065	-0.0012	15	-10 43 25.30	-0.002	15	0.30	26.085	18	33.8	25.27	16	33.8	K5 J	11	1230	A -10 1038
67		9.0A	51 38.138	-0.0033	17	-12 42 46.40	-0.039	18	0.33	38.191	18	33.8	45.77	16	33.8	G5 J	11	1231	A -12 1019
68		8.2A	51 41.051	0.0013	15	-12 32 35.52	0.013	17	0.31	41.031	18	33.8	35.73	16	33.8	M3 J	11	1232	A -12 1020
69		8.0A	51 42.904	0.0011	15	-11 11 58.04	-0.034	17	0.31	42.886	18	33.8	57.49	16	33.8	A0 J	11	1233	A -11 993
70		8.5A	51 45.198	-0.0012	18	-14 32 38.18	-0.034	11	0.29	45.217	18	33.8	37.63	16	33.8	A5 J	12A	1355	A -14 988
71		8.7A	51 45.290	0.0002	18	-17 39 5.60	-0.016	13	0.31	45.286	18	33.8	5.35	16	33.8	K2 J	12A	1356	A -17 983
72		9.0A	51 51.800	-0.0005	21	-17 4 25.13	0.012	15	0.34	51.807	18	33.8	25.32	16	33.8	A2 J	12A	1358	A -17 984
73		8.5A	51 53.046	-0.0035	17	-14 25 23.83	-0.040	12	0.29	53.102	18	33.8	23.19	16	33.8	K0 J	12A	1357	A -14 990
74		9.1A	51 54.299	0.0002	18	-18 10 49.90	-0.001	13	0.31	54.296	18	33.8	49.88	16	33.8	K0 J	12B	1542	A -18 951
75		8.1A	51 54.850	-0.0006	21	-15 1 24.71	0.011	15	0.34	54.860	18	33.8	24.89	16	33.8	A0 J	12A	1359	A -15 893
76		9.1A	51 57.373	0.0002	18	-16 5 58.30	-0.022	13	0.31	57.369	18	33.8	57.94	16	33.8	K0 J	12A	1360	A -16 986
77		8.9A	52 9.499	-0.0042	15	-10 48 1.72	-0.048	17	0.31	9.566	18	33.8	0.94	16	33.8	F8 J	11	1234	A -10 1040
78		8.9A	52 11.368	0.0077	15	-11 59 43.07	0.069	17	0.31	11.242	18	33.8	44.19	16	33.8	K2 J	11	1235	A -12 1021
79		8.2A	52 12.258	-0.0002	21	-16 8 43.51	-0.031	15	0.34	12.261	18	33.8	43.11	16	33.8	K2 J	12A	1361	A -16 988
80		8.6A	52 14.546	-0.0020	18	-11 41 31.44	-0.020	20	0.35	14.579	18	33.8	31.12	16	33.8	A5 J	11	1236	A -11 995
81		9.0A	52 21.656	0.0011	21	-17 11 32.85	0.012	15	0.34	21.637	18	33.8	33.04	16	33.8	F0 J	12A	1362	A -17 986
82		8.8A	52 25.784	-0.0010	18	-10 41 43.79	0.035	20	0.35	25.800	18	33.8	44.36	16	33.8	F5 J	11	1238	A -10 1043
83		8.9A	52 32.860	-0.0006	15	-11 27 32.50	-0.046	17	0.31	32.869	18	33.8	31.76	16	33.8	K0 J	11	1239	A -11 998
84		8.4A	52 45.989	0.0012	13	-11 49 45.71	-0.009	15	0.29	45.970	18	33.8	45.57	16	33.8	K0 J	11	1240	A -11 1000
85		5.8T	52 52.371	0.0001	08	-16 49 10.41	0.001	07	0.33	52.366	12	10.2	10.45	12	07.5	K0	GC	6008	B*-16 991
86		8.1A	53 2.401	0.0005	17	-14 48 57.81	-0.027	12	0.29	2.393	18	33.8	57.38	16	33.8	G5 J	12A	1364	A -14 994
87		8.9A	53 2.501	-0.0049	17	-13 13 35.43	0.012	18	0.33	2.581	18	33.8	35.62	16	33.8	F8 J	11	1241K	A -13 1015
88		5.8T	53 3.783	0.0000	07	-16 29 50.18	0.045	07	0.27	3.781	07	10.4	51.89	07	11.9	K0	GC	6012	B*-16 992
89		8.4A	53 4.233	0.0000	21	-15 26 18.93	0.009	15	0.34	4.233	18	33.8	19.08	16	33.8	K5 J	12A	1365	A -15 897
90		8.7A	53 6.763	-0.0045	15	-11 47 55.39	0.007	15	0.30	6.836	18	33.8	55.50	16	33.8	F5 J	11	1243	A -11 1001
91		8.5A	53 7.580	-0.0022	18	-10 8 53.57	0.015	20	0.35	7.616	18	33.8	53.81	16	33.8	A2 J	11	1242	A -10 1047
92		8.2A	53 12.836	-0.0009	18	-15 57 51.54	-0.021	13	0.31	12.851	18	33.8	51.20	16	33.8	F5 J	12A	1367	A -16 993
93		8.7A	53 12.974	0.0013	18	-10 57 42.53	-0.023	20	0.35	12.953	18	33.8	42.16	16	33.8	A0 J	11	1244	A -11 1002
94		8.4A	53 13.028	0.0004	15	-11 27 35.59	-0.007	15	0.30	13.019	18	33.8	35.48	16	33.8	A5 J	11	1245	A -11 1003
95		9.3A	53 19.853	-0.0047	20	-18 38 54.38	-0.014	15	0.33	19.928	18	33.8	54.15	16	33.8	G0 J	12B	1549	A -18 955
96		8.1A	53 20.442	-0.0025	17	-13 8 4.02	-0.033	18	0.33	20.483	18	33.8	3.49	16	33.8	F0 J	11	1246	A -13 1018
97		8.8A	53 24.685	-0.0007	15	-19 49 35.31	-0.004	11	0.26	24.696	18	33.8	35.25	16	33.8	K5 J	13A	1550	A -19 1049
98		8.9A	53 26.895	-0.0006	18	-15 29 25.26	0.005	13	0.31	26.905	18	33.8	25.34	16	33.8	F5 J	12A	1369	A -15 899
99		8.7A	53 32.955	0.0021	21	-14 6 32.21	0.035	12	0.32	32.921	18	33.8	32.78	16	33.8	G0 J	12A	1370	A -14 996
00		7.6A	53 41.816	0.0008	21	-14 57 9.89	0.061	15	0.34	41.802	18	33.8	10.88	16	33.8	A3 J	12A	1371	A -15 903

150000			EPOCH 1950									ORIGINAL EPOCH							SP.	SOURCE		-10° 4H
NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.		CAT.	STAR NUMBER	DM NUMBER
1		8.7A	4 53 42.265	0.0001	18	-10 14 19.14	-0.007	20	0.35	42.263	18	33.8	19.25	16	33.8	M4 J	11	1247	A -10 1050
2		9.2A	53 44.759	-0.0002	21	-17 25 35.70	-0.015	15	0.34	44.762	18	33.8	35.46	16	33.8	F0 J	12A	1372	A -17 991
3		9.2A	53 48.508	0.0001	21	-17 13 4.14	-0.005	15	0.34	48.506	18	33.8	4.06	16	33.8	K7 J	12A	1373	A -17 992
4		8.6A	53 50.910	-0.0037	18	-15 58 49.81	-0.046	17	0.33	50.870	18	33.8	49.06	16	33.8	K5 J	12A	1374	A -16 996
5		8.7A	53 59.091	0.0004	15	-13 13 32.92	0.019	18	0.32	59.084	18	33.8	33.23	16	33.8	K2 J	11	1249	A -13 1024
6		7.5T	53 59.444	-0.0004	20	-17 48 50.90	-0.003	17	0.81	59.458	19	08.6	50.78	19	05.4	G5	GC	6033	-17 994
7		8.7A	54 0.827	0.0010	15	-11 7 46.40	-0.016	17	0.31	0.811	18	33.8	46.15	16	33.8	F0 J	11	1248	A -11 1008
8		7.7A	54 10.184	-0.0010	21	-15 27 30.18	0.028	15	0.34	10.200	18	33.8	30.63	16	33.8	A5 J	12A	1376	A -15 904
9		8.7A	54 24.367	-0.0006	17	-11 1 23.50	-0.016	18	0.33	24.396	18	33.8	23.24	16	33.8	F5 J	11	1250K	A -11 1011
10		8.3A	54 27.325	-0.0041	21	-13 47 3.64	0.002	12	0.32	27.392	18	33.8	3.68	16	33.8	A3 J	12A	1377	A -13 1026
11		7.5A	54 32.732	-0.0023	21	-16 12 43.95	-0.019	15	0.34	32.768	18	33.8	43.64	16	33.8	A0 J	12A	1378	A -16 999
12		8.7A	54 33.043	-0.0048	15	-12 53 52.41	-0.036	17	0.31	33.121	18	33.8	51.83	16	33.8	G5 J	11	1253	A -13 1027
13		8.7A	54 33.693	0.0018	17	-19 17 2.01	0.009	11	0.28	33.664	18	33.8	2.15	16	33.8	G0 J	12B	1556	A -19 1053
14		8.1A	54 34.666	-0.0011	15	-12 37 13.44	0.000	17	0.31	34.705	18	33.8	13.44	16	33.8	K2 J	11	1254	A -12 1031
15		8.9A	54 38.737	0.0010	18	-11 59 22.22	0.016	20	0.35	38.722	18	33.8	22.48	16	33.8	K5 J	11	1255	A -12 1032
16		8.4A	54 46.598	-0.0025	21	-13 42 37.64	-0.031	15	0.34	46.639	18	33.8	37.15	16	33.8	F0 J	12A	1379K	A -13 1029
17		8.0A	54 49.750	0.0024	18	-18 11 19.70	0.048	13	0.31	49.711	18	33.8	20.48	16	33.8	K0 J	12B	1558	A -18 959
18		8.8A	54 50.240	0.0002	17	-18 28 13.47	-0.027	12	0.29	50.237	18	33.8	13.03	16	33.8	F0 J	12B	1559	A -18 960
19		8.4A	54 51.102	0.0007	17	-11 5 29.79	0.000	18	0.33	51.090	18	33.8	29.79	16	33.8	K2 J	11	1257	A -11 1012
20		9.0A	55 3.091	-0.0041	13	-12 47 25.66	-0.009	15	0.29	3.157	18	33.8	25.51	16	33.8	F8 J	11	1259	A -12 1034
21		8.8A	55 3.672	-0.0008	17	-11 12 53.93	0.021	17	0.32	3.684	18	33.8	54.27	16	33.8	K0 J	11	1258	A -11 1013
22		9.2A	55 9.368	-0.0013	17	-15 56 17.10	0.007	13	0.30	9.388	18	33.8	17.21	16	33.8	G0 J	12A	1380	A -16 1000
23		8.8A	55 9.475	0.0026	21	-16 16 51.38	-0.047	15	0.34	9.435	18	33.8	50.62	16	33.8	A0 J	12A	1381	A -16 1001
24		8.5A	55 10.066	0.0010	17	-13 31 25.86	-0.042	18	0.33	10.049	18	33.8	23.19	16	33.8	G5 J	11	1260	A -13 1030
25		9.1A	55 19.901	0.0013	21	-16 4 27.47	0.012	15	0.34	19.880	18	33.8	27.66	16	33.8	G0 J	12A	1383	A -16 1003
26		8.9A	55 21.589	-0.0019	15	-10 30 15.63	-0.071	17	0.31	21.620	18	33.8	14.48	16	33.8	F8 J	11	1261	A -10 1056
27		8.7A	55 24.398	0.0002	15	-18 21 34.56	-0.020	11	0.27	24.395	18	33.8	34.24	16	33.8	G5 J	12B	1564	A -18 962
28		7.9A	55 26.616	-0.0013	17	-13 46 52.18	-0.019	12	0.29	26.637	18	33.8	51.88	16	33.8	B9 J	12A	1384	A -13 1032
29		5.9T	55 27.327	0.0002	08	-14 18 27.13	0.011	07	0.45	27.319	18	97.3	27.79	17	92.0	B3	GC	6055	-14 1003
30		9.3A	55 27.976	0.0008	21	-17 22 46.11	-0.039	15	0.34	27.963	18	33.8	45.48	16	33.8	F8 J	12A	1386	A -17 999
31		8.8A	55 32.235	-0.0011	18	-11 42 53.74	0.017	20	0.35	32.253	18	33.8	54.02	16	33.8	K0 J	11	1264	A -11 1016
32		9.3A	55 33.511	0.0019	17	-10 31 8.19	-0.014	17	0.32	33.480	18	33.8	7.96	16	33.8	K0 J	11	1263	A -10 1057
33		8.9A	55 35.317	0.0019	18	-18 32 52.92	-0.020	13	0.31	35.287	18	33.8	52.59	16	33.8	F2 J	12B	1565	A -18 964
34		8.6A	55 47.422	0.0008	18	-12 48 51.61	-0.075	20	0.35	47.410	18	33.8	50.39	16	33.8	G0 J	11	1269	A -12 1035
35		8.7A	55 47.676	-0.0031	15	-10 19 21.50	-0.011	17	0.31	47.727	18	33.8	21.32	16	33.8	A0 J	11	1268	A -10 1058
36		7.8A	55 49.054	0.0012	21	-16 15 39.30	-0.009	15	0.34	49.034	18	33.8	39.15	16	33.8	B9 J	12A	1387	A -16 1006
37		8.6A	55 54.121	0.0002	21	-14 18 43.01	-0.003	15	0.34	54.117	18	33.8	42.97	16	33.8	K0 J	12A	1388	A -14 1004
38		6.6T	55 56.072	-0.0005	18	-16 51 20.91	0.008	16	0.69	56.095	24	01.3	21.32	22	98.7	A2	GC	6066	-17 1001
39		8.2A	55 57.009	0.0020	21	-14 31 40.36	-0.004	12	0.32	56.976	18	33.8	40.30	16	33.8	A2 J	12A	1389	A -14 1005
40		9.2A	56 6.162	-0.0013	21	-16 46 49.04	0.005	15	0.34	6.183	18	33.8	49.12	16	33.8		12A	1391	A -16 1007
41		8.2A	56 13.259	-0.0012	21	-16 16 58.94	-0.003	15	0.34	13.278	18	33.8	58.89	16	33.8	K0 J	12A	1392	A -16 1009
42		8.4A	56 17.053	-0.0020	15	-12 18 32.40	-0.001	17	0.31	17.065	18	33.8	32.38	16	33.8	F5 J	11	1270	A -12 1040
43		9.0A	56 19.217	-0.0005	18	-12 54 27.76	-0.024	20	0.35	19.225	18	33.8	27.37	16	33.8	K2 J	11	1271	A -13 1037
44		7.5A	56 19.502	0.0021	21	-14 51 33.38	0.023	15	0.34	19.467	18	33.8	33.75	16	33.8	A2 J	12A	1393	A -15 910
45		7.2T	56 31.612	0.0002	11	-17 52 55.75	0.016	09	0.56	31.600	22	00.8	56.61	21	97.0	K5	GC	6075	-18 966
46		8.9A	56 35.196	0.0013	15	-18 12 57.43	0.035	11	0.27	35.175	18	33.8	58.01	16	33.8	F8 J	12B	1569	A -18 967
47		9.0A	56 37.623	-0.0026	18	-13 1 57.83	-0.058	20	0.35	37.665	18	33.8	56.89	16	33.8	A0 J	11	1272	A -13 1039
48		9.0A	56 38.729	-0.0001	13	-18 55 3.79	0.060	11	0.26	38.731	18	33.8	4.75	16	33.8	G0 J	12B	1571	A -19 1059
49		8.8A	56 41.207	-0.0015	21	-14 51 30.08	-0.001	15	0.34	41.231	18	33.8	30.07	16	33.8	A2 J	12A	1395	A -15 912
50		8.9A	56 43.543	-0.0008	17	-11 28 22.19	0.028	18	0.33	43.556	18	33.8	22.65	16	33.8	A0 J	11	1273	A -11 1020
51		8.0A	4 56 46.573	-0.0025	17	-12 50 28.33	0.002	18	0.33	46.614	18	33.8	28.36	16	33.8	F2 J	11	1274	A -12 1041
52		5.5T	56 46.994	-0.0103	08	-16 27 8.38	0.147	07	0.30	47.363	10	14.0	14.13	12	10.9	F2	GC	6082K	B#-16 1013
53		8.5A	56 47.500	-0.0011	20	-13 8 23.25	0.017	20	0.36	47.519	18	33.8	23.53	16	33.8	M1 J	11	1275	A -13 1040
54		8.7A	57 3.116	0.0021	18	-15 49 36.57	-0.029	13	0.31	3.082	18	33.4	36.09	16	33.4	G0 J	12A	1397	A -15 914
55		8.1B	57 3.154	-0.0010	08	-10 25 40.46	0.004	07	0.49	3.213	19	90.9	40.70	18	90.8	K0	GC	6087	-10 1063
56		9.0A	57 4.683	-0.0032	20	-12 35 8.33	0.014	20	0.37	4.736	18	33.4	8.56	16	33.4	K0 J	11	1277	A -12 1044
57		8.6A	57 15.088	0.0017	17	-10 23 51.30	-0.122	18	0.33	15.060	18	33.4	49.28	16	33.4	G0 J	11	1278	A -10 1065
58		6.0I	57 19.727	0.0010	08	-14 52 47.48	0.020	09	0.46	19.674	17	99.6	48.51	17	98.8	M8	GC	6093V	B#-15 915
59		8.8A	57 28.111	-0.0004	18	-19 5 24.77	0.013	13	0.31	28.118	18	33.4	24.98	16	33.4	K0 J	12B	1574	A -19 1064
60		5.7T	57 28.359	0.0014	03	-10 20 6.42	-0.135	03	0.21	28.277	10	91.1	-57.97	09	87.3	K0	GC	6098	B#-10 1066
61		8.7A	57 30.571	-0.0005	17	-15 11 3.45	-0.019	12	0.29	30.580	18	33.4	3.14	16	33.4	K0 J	12A	1399	A -15 916
62		8.8A	57 33.253	-0.0026	21	-15 27 8.82	-0.026	15	0.35	33.296	18	33.4	8.42	16	33.4	A0 J	12A	1400	A -15 917
63		8.1A	57 33.418	0.0007	17	-18 43 49.33	-0.010	11	0.29	33.407	18	33.4	49.16	16	33.4	K0 J	12B	1576	A -18 973
64		4.9T	57 36.240	0.0026	04	-12 36 35.31	-0.091	03	0.22	36.295	07	93.8	29.92	07	90.7	F0	GC	6104	B#-12 1047
65		8.8A	57 43.793	-0.0002	15	-18 53 50.07	0.008	11	0.27	43.795	18	33.4	50.19	16	33.4	G5 J	12B	1579	A -19 1066
66		9.0A	57 45.863	0.0014	21	-15 52 19.15	0.013	15	0.35	45.840	18	33.4	19.36	16	33.4	A0 J	12A	1402	A -16 1018
67		9.2A	57 52.496	0.0004	21	-16 48 24.65	-0.010	15	0.35	52.490	18	33.4	24.48	16	33.4	G5 J	12A	1403	A -16 1019
68		9.4A	57 53.663	0.0017	21	-16 23 49.79	0.002	15	0.35	53.635	18	33.4	49.82	16	33.4	F8 J	12A	1404	A -16 1020
69		8.7A	57 55.380	-0.0006	17	-11 22 22.69	-0.012	18	0.33	55.390	18	33.4	22.69	16	33.4	K0 J	11	1281	A -11 1026
70		8.2A	57 58.360	0.0016	21	-15 58 37.94	-0.002	15	0.35	58.334	18	33.4	37.91	16	33.4	K2 J	12A	1405	A -16 1022
71		7.9A	58 8.601	0.0019	20	-19 42 35.34	0.009	15	0.32	8.571	16	33.9	35.49	16	33.9	K0 J	13A	1580	A -19 1072
72		8.3A	58 8.921	0.0006	18	-16 10 5.21	0.004	13	0.31	8.911	18	33.4	5.27	16	33.4	K0 J	12A	1406	A -16 1024
73		9.2A	58 14.060	-0.0003	21	-16 56 13.80	0.000	15	0.35	14.065	18	33.4	13.80	16	33.4	G0 J	12A	1407	A -17 1006
74		9.0A	58 16.884	0.0014	18	-15 49 9.30	-0.026	13	0.31	16.861	18	33.4	8.87	16	33.4	K0 J	12A	1408	A -15 921
75		9.0A	58 20.197	-0.0019	17	-19 3 2.92	-0.012	12	0.29	20.228	18	33.4	2.72	16	33.4	K0 J	12B	1582	A -19 1073
76		7.3T	58 22.286	-0.0020	08	-13 34 35.18	-0.022	06	0.48	22.306	22	91.3	33.75	18	84.0	A0	GC	6128K	B#-13 1047
77		8.4A	58 30.657	0.0007	18	-17 39 26.88	-0.023	13	0.31	30.646	18	33.4	26.50	16	33.4	F5 J	12A	1409	A -17 1009
78		7.3T	58 42.078	-0.0003	20	-11 16 48.68	0.007	13	0.82	42.092	26	04.0	49.03	24	01.6	A0	GC	6130K	B#-11 1036
79		8.5A	58 46.414	0.0004	17	-11 1 43.88	-0.005	18	0.33	46.408	18	33.4	43.80	16	33.4	B9 J	11	1285	A -11 1037
80		8.6A	59 1.240	0.0006	13	-13 9 40.41	0.012	15	0.29	1.231	18	33.4	40.61	16	33.4	K5 J	11	1287	A -13 1050
81		8.5A	59 4.805	0.0012	20	-18 28 17.37	0.019	15	0.34	4.786	18	33.4	17.69	16	33.4	G5 J	12B	1587	A -18 975
82		8.0A	59 5.687	0.0002	21	-17 37 44.84	-0.054	15	0.35	5.684	18	33.4	43.95	16	33.4	F5 J	12A	1411	A -17 1011
83		8.0A	59 6.784	0.0025	18	-10 43 16.02	-0.004	20	0.36	6.722	18	33.4	15.95	16	33.4	G5 J	11	1288	A -10 1073
84		8.3A	59 8.729	-0.0014	21	-14 13 1.68	0.013	12	0.33	8.752	18	33.4	1.91	16	33.4	K0 J	12A	1410	A -14 1016
85		9.1A	59 19.591	-0.0004	15	-17 57 54.50	0.008	11	0.27	19.597	18	33.4	54.63	16	33.4	K0 J	12B	1592	A -18 976
86		6.9T	59 26.540	0.0017	17	-11 0 19.96	0.009	13	0.70	26.466	21	06.7	20.37	19	04.9	G5	GC	6149	-11 1040
87		9.0A	59 27.798	-0.0003	15	-12 56 15.82	-0.055	15	0.30	27.803	18	33.4	14.91	16	33.4	K5 J	11	1290	A -13 1051
88		9.3A	59 40.427	0.0009	17	-11 2 0.41	0.016	18	0.33	40.412	18	33.4	0.68	16	33.4	K2 J	11	1291	A -11 1043
89		9.1A	59 42.044	-0.0014	18	-15 18 32.65	0.039	13	0.31	42.068	18	33.4	33.30	16	33.4	G5 J	12A	1413	A -15 925
90		9.0A	59 47.228	0.0010	15	-11 10 1.13	-0.035	17	0.31	47.212	18	33.4	0.55	16	33.4	K2 J	11	1292	A -11 1044
91		8.6A	59 55.700	0.0041	17	-14 7 1.06	-0.005	12	0.29	55.631	18	33.4	0.99	16	33.4	K5 J	12A	1414	A -14 1019
92		8.8A	5 0 7.251	0.0013	21	-16 14 20.11	0.003	15	0.35	7.228	18	33.4	20.16	16	33.4	A2 J	12A	1415	A -16 1026
93		8.4A	0 13.891	-0.0013	15	-12 43 0.40	-0.038	17	0.31	13.912	18	33.4	-59.77	16	33.4	K2 J	11	1293	A -12 1054
94		8.2A	0 16.094	0.0015	21	-15 46 40.98	0.009	15	0.35	16.069	18	33.4	41.13	16	33.4	F2 J	12A	1416	A -15 927
95		8.8A	0 18.427	-0.0008	18	-18 32 39.35	-0.031	13	0.31	18.440	18	33.4	38.83	16	33.4	K0 J	12B	1598	A -18 981
96		9.2A	0 28.323	-0.0009	21	-15 33 21.85	-0.036	15	0.35	26.338	18	33.4	21.25	16	33.4	K2 J	12A	1418	A -15 928
97		8.7A	0 27.951	0.0003	21	-13 44 0.48	-0.033	12	0.33	27.945	18	33.4	-59.94	16	33.4	F8 J	12A	1417	A -13 1052
98		9.0A	0 28.704	0.0004	15	-11 58 22.69	-0.022	17	0.31	28.697	18	33.4	22.33	16	33.4	A2 J	11	1294	A -12 1056
99		8.1A	0 38.230	-0.0005	15	-12 30 30.39	0.006	17	0.31	38.238	18	33.4	30.49	16	33.4	A0 J	11	1296K	A -12 1058
00		8.3A	0 39.491	0.0005	21	-14 32 34.87	-0.016	12	0.33	39.483	18	33.4	34.61	16	33.4	K5 J	12A	1419	A -14 1022

150100

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	EPOCH 1950 μ s	EPOCH 1950 σ_μ ″.001	EPOCH 1950 δ_{1950} ° ′ ″	EPOCH 1950 μ' ″	EPOCH 1950 $\sigma_{\mu'}$ ″.001	EPOCH 1950 σ_{1950} ″	ORIGINAL EPOCH α_2 s	ORIGINAL EPOCH σ ″.01	ORIGINAL EPOCH ep.	ORIGINAL EPOCH δ_2 ″	ORIGINAL EPOCH σ' ″.01	ORIGINAL EPOCH ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	-10° 5H DM NUMBER
1		8.8A	5 0 40.579	-0.0014	21	-15 56 30.94	-0.008	15	0.35	40.601	18	33.4	30.81	16	33.4	F8 J	12A	1420	A -16 1027
2		9.0A	1 1.487	0.0006	17	-19 11 26.72	-0.052	11	0.29	1.477	18	33.4	25.85	16	33.4	F8 J	12B	1602	A -19 1084
3		8.6A	1 11.329	0.0000	15	-19 34 10.99	0.008	11	0.27	11.328	18	33.4	11.12	16	33.4	A0 J	12B	1604	A -19 1085
4		8.6A	1 18.787	0.0027	18	-18 16 18.46	-0.014	13	0.31	18.742	18	33.4	18.23	16	33.4	F5 J	12B	1605	A -18 984
5		8.3A	1 26.436	-0.0003	21	-14 42 13.42	0.003	15	0.35	26.442	18	33.4	13.47	16	33.4	F0 J	12A	1421	A -14 1025
6		7.5A	1 27.938	-0.0017	21	-15 46 32.91	-0.031	15	0.35	27.966	18	33.4	32.40	16	33.4	F5 J	12A	1422	A -15 931
7		8.5A	1 31.177	-0.0020	15	-11 43 50.77	0.004	15	0.30	31.211	18	33.4	50.84	16	33.4	G5 J	11	1297	A -11 1049
8		8.6A	1 34.543	0.0001	15	-11 36 13.65	0.046	17	0.31	34.542	18	33.4	14.42	16	33.4	F0 J	11	1298	A -11 1050
9		6.4T	1 34.942	-0.0011	15	-14 26 19.27	0.032	11	0.65	34.994	21	04.6	20.90	19	99.5	B3	GC	6187	-14 1027
10		8.8A	1 36.362	-0.0034	15	-12 14 52.77	-0.057	15	0.30	36.418	18	33.4	51.83	16	33.4	G0 J	11	1300	A -12 1062
11		7.7A	1 37.905	-0.0015	15	-10 42 13.84	0.044	17	0.31	37.931	18	33.4	14.57	16	33.4	K0 J	11	1299	A -10 1083
12		8.6A	1 39.007	0.0028	17	-14 36 19.44	-0.001	12	0.29	38.959	18	33.4	19.43	16	33.4	G5 J	12A	1424	A -14 1028
13		6.9T	1 39.600	0.0027	12	-14 37 30.08	-0.002	09	0.52	39.480	18	06.1	29.98	18	99.5	K2	GC	6190	-14 1029
14		8.6A	1 48.635	-0.0019	21	-13 53 57.73	-0.003	15	0.35	48.668	18	33.4	57.69	16	33.4	K5 J	12A	1426	A -14 1030
15		9.0A	1 53.046	0.0008	15	-13 16 32.85	0.031	17	0.31	53.033	18	33.4	33.36	16	33.4	F2 J	11	1302	A -13 1057
16		8.2A	2 3.844	-0.0007	21	-13 46 31.69	-0.007	15	0.35	3.855	18	33.4	31.58	16	33.4	G5 J	12A	1427	A -13 1058
17		8.9A	2 5.178	-0.0018	15	-10 36 23.34	0.017	17	0.31	5.207	18	33.4	23.62	16	33.4	K2 J	11	1303	A -10 1086
18		8.9A	2 17.779	-0.0001	18	-18 56 20.50	0.007	13	0.31	17.780	18	33.4	20.61	16	33.4	F0 J	12B	1612	A -19 1090
19		8.7A	2 17.775	0.0015	18	-11 14 43.22	-0.002	20	0.36	17.751	18	33.4	43.19	16	33.4	K0 J	11	1305	A -11 1053
20		7.4A	2 19.089	-0.0030	18	-12 59 46.72	0.025	20	0.36	19.139	18	33.4	47.14	16	33.4	A3 J	11	1306	A -13 1059
21		7.2A	2 20.044	0.0006	21	-15 0 56.05	-0.014	15	0.35	20.034	18	33.4	55.82	16	33.4	K5 J	12A	1428	A -15 938
22		7.5A	2 24.438	-0.0012	17	-17 57 11.46	0.010	12	0.29	24.458	18	33.4	11.63	16	33.4	A3 J	12B	1614	A -18 990
23		7.8Q	2 26.965	0.0036	12	-11 45 51.02	-0.238	10	0.55	26.808	18	06.3	39.37	17	01.0	G0	GC	6207	-11 1054
24		8.4A	2 27.964	-0.0009	17	-18 0 34.34	-0.009	12	0.29	27.979	18	33.4	34.20	16	33.4	G5 J	12B	1616	A -18 991
25		8.7A	2 29.620	-0.0004	15	-10 35 6.57	0.015	17	0.31	29.628	18	33.4	6.82	16	33.4	G5 J	11	1308	A -10 1087
26		8.7A	2 32.838	-0.0006	21	-14 10 36.53	-0.012	15	0.35	32.847	18	33.4	36.34	16	33.4	K0 J	12A	1431	A -14 1033
27		8.8A	2 33.677	-0.0005	21	-14 34 36.61	-0.013	15	0.35	33.685	18	33.4	36.40	16	33.4	G0 J	12A	1432	A -14 1034
28		9.1A	2 34.614	0.0012	20	-17 44 7.25	-0.060	15	0.34	34.593	18	33.4	6.27	16	33.4	G0 J	12B	1617	A -17 1018
29		7.3A	2 39.674	-0.0032	21	-14 17 20.81	-0.068	15	0.35	39.727	18	33.4	19.70	16	33.4	K0 J	12A	1434	A -14 1035
30		8.9A	2 41.141	-0.0017	17	-11 2 46.69	-0.045	18	0.33	41.169	18	33.4	45.95	16	33.4	G0 J	11	1309	A -11 1057
31		8.6A	2 41.824	-0.0002	21	-16 4 26.23	-0.014	15	0.35	41.828	18	33.4	26.00	16	33.4	K0 J	12A	1435	A -16 1034
32		8.9A	2 50.374	-0.0009	15	-12 24 1.01	0.002	15	0.30	50.390	18	33.4	1.05	16	33.4	F2 J	11	1310	A -12 1068
33		9.0A	3 12.440	0.0012	21	-16 32 1.28	-0.017	15	0.35	12.420	18	33.4	1.00	16	33.4	K7 J	12A	1436	A -16 1037
34		9.4A	3 13.839	0.0004	21	-15 57 1.59	0.002	15	0.35	13.833	18	33.4	1.62	16	33.4	F J	12A	1437	A -16 1038
35		8.4A	3 31.381	0.0028	21	-14 51 1.93	-0.008	15	0.35	31.334	18	33.4	1.80	16	33.4	K0 J	12A	1438	A -14 1039
36		8.8A	3 36.436	-0.0027	17	-10 11 0.68	-0.010	18	0.33	36.480	18	33.4	0.52	16	33.4	A2 J	11	1313	A -10 1093
37		7.8A	3 37.301	0.0058	21	-13 58 51.44	0.081	15	0.35	37.204	18	33.4	52.79	16	33.4	G5 J	12A	1439	A -14 1040
38		8.9A	3 39.434	0.0006	15	-11 33 58.44	0.001	17	0.31	39.424	18	33.4	58.46	16	33.4	F0 J	11	1314	A -11 1060
39		7.9A	3 49.377	-0.0017	18	-10 29 16.28	-0.070	20	0.36	49.404	18	33.4	15.12	16	33.4	F5 J	11	1316	A -10 1096
40		8.2A	3 50.637	0.0003	21	-13 42 58.93	-0.005	15	0.35	50.632	18	33.4	58.86	16	33.4	F8 J	12A	1440	A -13 1062
41		9.0A	3 52.010	-0.0025	21	-17 30 17.69	0.010	15	0.35	52.052	18	33.4	17.86	16	33.4	G0 J	12A	1441	A -17 1021
42		9.0A	3 53.250	-0.0048	18	-10 30 20.65	-0.041	20	0.36	53.329	18	33.4	19.97	16	33.4	A2 J	11	1318	A -10 1097
43		8.8A	3 55.844	-0.0006	21	-15 30 15.49	0.028	15	0.35	55.854	18	33.4	15.95	16	33.4	K0 J	12A	1442	A -15 944
44		7.0A	4 5.443	-0.0002	21	-14 45 45.33	-0.001	15	0.35	5.446	18	33.4	45.32	16	33.4	B9 J	12A	1443	A -14 1045
45		8.9A	4 6.860	-0.0015	15	-11 42 56.01	0.003	17	0.31	6.885	18	33.4	56.06	16	33.4	F8 J	11	1321	A -11 1063
46		9.0A	4 8.830	0.0014	18	-11 6 29.36	-0.071	20	0.36	8.807	18	33.4	28.19	16	33.4	K5 J	11	1322	A -11 1064
47		9.2A	4 11.807	0.0010	18	-16 53 15.38	-0.002	13	0.31	11.791	18	33.4	15.35	16	33.4	G0 J	12A	1446	A -17 1022
48		9.0A	4 12.313	0.0010	21	-15 53 24.46	-0.018	15	0.35	12.296	18	33.4	24.16	16	33.4	G0 J	12A	1444	A -16 1042
49		6.1T	4 18.079	0.0008	15	-13 11 17.52	0.034	13	0.66	18.044	18	05.6	19.08	17	04.4	A0	GC	6248	-13 1063
50		9.2A	4 21.566	-0.0002	21	-15 50 49.43	0.010	15	0.35	21.569	18	33.4	49.60	16	33.4	A0 J	12A	1447	A -15 947
51		9.0A	5 4 23.089	0.0003	15	-18 22 28.61	-0.008	12	0.28	23.083	18	33.4	28.49	16	33.4	K0 J	12B	1629	A -18 1000
52		8.7A	4 26.988	0.0006	21	-14 30 36.57	-0.014	15	0.35	26.978	18	33.4	36.34	16	33.4	A0 J	12A	1448	A -14 1046
53		8.9A	4 36.578	0.0006	15	-11 47 27.94	0.004	20	0.34	36.569	18	33.4	28.01	16	33.4	A2 J	11	1325	A -11 1067
54		7.2T	4 55.224	0.0011	16	-17 21 46.75	-0.179	12	0.75	55.168	21	00.8	37.34	19	97.4	F5	GC	6262	-17 1028
55		8.9A	4 57.468	-0.0016	17	-18 22 1.54	-0.019	12	0.29	57.494	18	33.4	1.23	16	33.4	F6 J	12B	1632	A -18 1001
56		6.7T	4 59.090	-0.0030	15	-19 27 38.74	0.262	12	0.68	59.231	21	02.4	51.61	17	00.8	G0	GC	6264	-19 1102
57		8.7A	5 1.642	-0.0014	17	-11 37 23.32	-0.037	18	0.33	1.665	18	33.4	22.71	16	33.4	A3 J	11	1326	A -11 1070
58		8.5A	5 3.487	-0.0007	20	-11 56 22.07	0.002	20	0.37	3.499	18	33.4	22.11	16	33.4	A0 J	11	1327	A -12 1075
59		6.1T	5 5.195	0.0091	07	-12 33 15.06	-0.080	05	0.27	4.805	09	07.1	11.58	09	06.4	F8	GC	6268	-12 1076
60		9.0A	5 8.798	-0.0011	21	-14 37 13.33	-0.065	15	0.35	8.818	18	33.4	12.26	16	33.4	K0 J	12A	1450K	A -14 1050
61		7.8A	5 18.018	-0.0017	18	-14 3 4.99	0.041	13	0.31	18.045	18	33.4	5.68	16	33.4	G5 J	12A	1451	A -14 1051
62		8.7A	5 22.113	-0.0013	18	-18 4 45.80	-0.008	13	0.31	22.134	18	33.4	45.67	16	33.4	K5 J	12B	1634	A -18 1004
63		8.6A	5 25.496	-0.0012	18	-19 5 58.43	0.015	13	0.31	25.515	18	33.4	58.67	16	33.4	K5 J	12B	1635	A -19 1103
64		8.9A	5 28.374	-0.0009	12	-18 46 4.72	-0.016	11	0.25	28.389	18	33.4	4.45	16	33.4	K0 J	12B	1636	A -18 1005
65		7.4T	5 28.834	-0.0004	13	-17 21 7.79	-0.083	11	0.60	28.851	19	04.4	3.74	18	01.2	K0	GC	6276	-17 1029
66		6.7T	5 30.699	-0.0017	12	-12 39 18.97	-0.068	11	0.61	30.786	18	99.0	15.34	17	96.4	M0	GC	6277	-12 1080
67		9.0A	5 38.513	-0.0005	21	-17 17 53.09	-0.021	15	0.35	38.521	18	33.4	52.74	16	33.4	F0 J	12A	1453	A -17 1030
68		9.1A	5 40.383	-0.0017	17	-13 28 57.27	0.008	18	0.33	40.411	18	33.4	57.40	16	33.4	F2 J	11	1331	A -13 1071
69		9.2A	5 48.438	-0.0012	21	-16 51 30.24	-0.020	15	0.35	48.458	18	33.4	29.91	16	33.4	G0 J	12A	1454	A -16 1048
70		6.6T	5 57.055	-0.0007	13	-15 9 33.18	-0.003	12	0.67	57.091	24	01.5	33.02	21	99.3	G5	GC	6283	-15 950
71		9.2A	6 8.817	-0.0011	17	-10 40 5.52	-0.046	18	0.33	8.836	18	33.4	4.76	16	33.4	G5 J	11	1332	A -10 1104
72		8.0A	6 18.800	0.0002	18	-18 10 59.72	0.000	13	0.31	18.797	18	33.4	59.73	16	33.4	K5 J	12B	1642	A -18 1010
73		9.0A	6 20.976	-0.0001	21	-17 23 30.21	-0.025	15	0.35	20.976	18	33.4	29.79	16	33.4	F5 J	12A	1457	A -17 1031
74		7.8A	6 22.855	0.0000	21	-15 33 14.34	-0.017	15	0.35	22.854	18	33.4	14.06	16	33.4	K0 J	12A	1456	A -15 952
75		8.9A	6 27.674	-0.0037	17	-12 31 48.08	0.012	18	0.33	27.735	18	33.4	48.28	16	33.4	K5 J	11	1333	A -12 1082
76		7.8A	6 32.763	-0.0002	17	-12 58 44.42	0.004	18	0.33	32.766	18	33.4	44.48	16	33.4	G0 J	11	1334	A -13 1075
77		9.2A	6 46.140	0.0032	21	-16 4 53.83	0.030	15	0.35	46.087	18	33.4	54.33	16	33.4	G0 J	12A	1458	A -16 1053
78		8.7A	6 46.233	-0.0008	13	-17 58 16.07	-0.042	11	0.26	46.246	18	33.4	15.37	16	33.4	F2 J	12B	1644	A -18 1011
79		9.6A	6 51.498	0.0001	17	-12 30 34.57	0.072	18	0.33	51.497	18	33.4	35.76	16	33.4	G J	11	1335	A -12 1083
80		8.1A	6 51.912	-0.0005	18	-14 47 41.77	-0.028	13	0.31	51.920	18	33.4	41.31	16	33.4	A0 J	12A	1460	A -14 1055
81		8.5A	7 1.112	-0.0012	18	-11 11 28.27	0.024	20	0.36	1.132	18	33.4	28.67	16	33.4	F0 J	11	1336	A -11 1082
82		8.6A	7 5.541	-0.0030	15	-12 59 25.34	0.015	17	0.31	5.591	18	33.4	25.59	16	33.4	G0 J	11	1337	A -13 1078
83		9.2A	7 6.979	-0.0006	21	-17 14 43.02	-0.040	15	0.35	6.990	18	33.4	42.36	16	33.4	G0 J	12A	1461	A -17 1033
84		8.6A	7 9.303	-0.0023	21	-15 43 32.95	-0.032	15	0.35	9.341	18	33.4	32.42	16	33.4	G0 J	12A	1462	A -15 953
85		8.8A	7 9.819	-0.0017	18	-11 1 1.08	-0.054	20	0.36	9.847	18	33.4	0.19	16	33.4	F2 J	11	1338	A -11 1083
86		9.6A	7 10.793	-0.0020	21	-15 11 13.85	0.002	15	0.35	10.826	18	33.4	13.88	16	33.4	F5 J	12A	1463	A -15 954
87		8.6A	7 11.256	-0.0030	17	-12 5 29.94	0.017	18	0.33	11.306	18	33.4	30.22	16	33.4	F5 J	11	1339	A -12 1084
88		9.0A	7 29.403	-0.0009	17	-11 50 30.40	-0.007	18	0.33	29.417	18	33.4	30.29	16	33.4	K2 J	11	1340	A -11 1084
89		8.6A	7 38.715	-0.0023	21	-14 52 49.13	-0.008	15	0.35	38.754	18	33.4	49.00	16	33.4	K7 J	12A	1464	A -15 956
90		9.2A	7 44.687	-0.0002	17	-16 9 36.55	-0.031	15	0.31	44.691	18	33.4	36.04	16	33.4	G0 J	12A	1465	A -16 1056
91		8.8A	7 45.732	-0.0008	17	-16 2 16.02	-0.031	15	0.31	45.745	18	33.4	15.51	16	33.4	A2 J	12A	1466	A -16 1057
92		8.9A	7 49.512	0.0018	21	-17 5 7.06	-0.134	15	0.35	49.483	18	33.4	4.84	16	33.4	F5 J	12A	1467	A -17 1035
93		8.4A	7 55.415	0.0001	20	-11 32 41.75	0.042	20	0.37	55.414	18	33.4	42.45	16	33.4	K0 J	11	1341	A -11 1088
94		7.0T	8 13.856	-0.0014	09	-11 42 34.61	-0.004	08	0.45	13.921	18	04.2	34.42	18	00.5	B8	GC	6340	-11 1089
95		8.9A	8 17.611	-0.0005	21	-15 46 16.92	-0.030	15	0.35	17.619	18	33.4	16.42	16	33.4	G5 J	12A	1469K	A -15 962
96		8.8A	8 18.071	-0.0015	18	-10 58 30.87	-0.008	20	0.36	18.095	18	33.4	30.74	16	33.4	A0 J	11	1343	A -11 1090
97		8.9A	8 18.089	-0.0014	17	-16 2 55.30	-0.012	15	0.31	18.111	18	33.4	55.10	16	33.4	A0 J	12A	1470	A -16 1060
98		8.0A	8 21.234	-0.0018	15	-18 43 24.96	0.001	11	0.27	21.263	18	33.4	24.97	16	33.4	A0 J	12B	1654	A -18 1018
99		9.2A	8 26.702	-0.0001	21	-16 32 38.98	-0.028	15	0.35	26.703	18	33.4	38.51	16	33.4	G0 J	12A	1472	A -16 1061
00		8.8A	8 27.331	-0.0008	18	-13 56 17.69	-0.032	13	0.31	27.345	18	33.4	17.17	16	33.4	K2 J	12A	1471	A -14 1064

150200

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ s	σ_μ ".001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ".001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ ".01	ep.	δ_2 ″	σ' ".01	ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	-10° 5H DM NUMBER
1		8.9A	5 8 28.167	0.0028	21	-16 0 46.42	0.076	15	0.35	28.120	18	33.4	47.68	16	33.4	G0 J	12A	1473	A -16 1062
2		8.9A	8 30.984	-0.0037	18	-12 40 36.38	0.006	20	0.36	31.046	18	33.4	36.48	16	33.4	K0 J	11	1345	A -12 1089
3		9.0A	8 41.135	0.0013	15	-12 34 47.61	-0.010	17	0.31	41.113	18	33.4	47.44	16	33.4	F8 J	11	1346	A -12 1090
4		8.7A	8 50.859	0.0007	18	-12 52 49.28	-0.009	20	0.36	50.848	18	33.4	49.13	16	33.4	A2 J	11	1347	A -12 1091
5		8.5A	8 56.528	0.0009	18	-19 13 12.69	-0.001	12	0.30	56.514	18	33.4	12.67	16	33.4	F5 J	12B	1658	A -19 1115
6		9.9T	9 2.727	0.0014	05	-11 54 35.85	0.055	04	0.25	2.662	10	02.9	38.72	10	97.9	M8	GC	6358	B* -12 1092
7		9.0A	9 2.900	-0.0021	21	-15 47 25.61	0.000	15	0.35	2.935	18	33.4	25.61	16	33.4	G5 J	12A	1474	A -15 963
8		8.8A	9 5.651	-0.0042	18	-10 3 54.62	0.021	20	0.36	5.720	18	33.4	54.97	16	33.4	A0 J	11	1349	A -10 1117
9		9.0A	9 7.686	0.0045	21	-17 6 15.60	0.032	15	0.35	7.612	18	33.4	16.13	16	33.4	K0 J	12A	1475	A -17 1041
10		8.2A	9 8.565	-0.0086	18	-11 23 27.63	-0.100	20	0.36	8.708	18	33.4	25.98	16	33.4	G0 J	11	1350	A -11 1094
11		8.8A	9 10.366	-0.0024	17	-15 6 57.77	-0.020	12	0.29	10.405	18	33.4	57.44	16	33.4	A5 J	12A	1476	A -15 965
12		8.1A	9 13.198	-0.0012	20	-10 51 4.94	-0.004	20	0.37	13.218	18	33.4	4.88	16	33.4	K0 J	11	1351	A -10 1119
13		7.6A	9 15.267	-0.0032	17	-10 26 46.07	-0.079	18	0.33	15.320	18	33.4	44.76	16	33.4	F5 J	11	1352	A -10 1120
14		9.0A	9 31.718	-0.0015	15	-19 4 15.23	-0.045	13	0.29	31.742	18	33.4	15.97	16	33.4	F8 J	12B	1663	A -19 1116
15		8.3A	9 36.187	-0.0017	18	-11 1 13.86	-0.018	20	0.36	36.215	18	33.4	13.57	16	33.4	A0 J	11	1353	A -11 1098
16		8.6A	9 36.239	-0.0029	18	-18 19 10.76	-0.030	13	0.31	36.287	18	33.4	10.26	16	33.4	K2 J	12B	1664	A -18 1023
17		9.0A	9 40.001	-0.0001	15	-11 19 19.11	-0.017	17	0.31	40.003	18	33.4	18.83	16	33.4	K5 J	11	1354	A -11 1099
18		9.0A	9 40.700	-0.0003	17	-19 5 12.03	0.021	12	0.29	40.704	18	33.4	12.37	16	33.4	A0 J	12B	1665	A -19 1117
19		8.3A	9 41.865	-0.0018	21	-14 8 35.69	-0.055	15	0.35	41.895	18	33.4	34.79	16	33.4	G5 J	12A	1477	A -14 1067
20		9.2A	9 52.102	0.0000	17	-13 15 29.71	-0.012	18	0.33	52.102	18	33.4	29.51	16	33.4	A0 J	11	1355	A -13 1086
21		8.9A	9 54.490	-0.0020	21	-17 19 11.55	0.000	15	0.35	54.524	18	33.4	11.55	16	33.4	A0 J	12A	1479	A -17 1045
22		8.2A	9 56.072	0.0034	15	-11 51 44.37	0.019	17	0.31	56.015	18	33.4	44.69	16	33.4	G0 J	11	1356	A -11 1100
23		4.5T	9 57.809	0.0014	04	-11 55 39.95	-0.016	03	0.22	57.738	10	98.7	38.99	10	89.4	B8	GC	6374K	B* -12 1095
24		8.8A	10 0.204	0.0021	21	-15 7 49.48	0.011	15	0.35	0.169	18	33.4	49.66	16	33.4	B9 J	12A	1480	A -15 968
25		9.0A	10 2.497	-0.0030	21	-15 40 56.40	-0.031	15	0.35	2.547	18	33.4	55.89	16	33.4	G0 J	12A	1481	A -15 969
26		8.8A	10 7.255	-0.0002	17	-12 28 43.12	0.000	18	0.33	7.259	18	33.4	43.12	16	33.4	G5 J	11	1358	A -12 1096
27		8.8A	10 16.581	-0.0000	21	-17 30 40.34	-0.009	15	0.35	16.581	18	33.4	40.20	16	33.4	A0 J	12A	1482	A -17 1046
28		7.7A	10 19.664	0.0001	21	-15 0 36.59	0.031	15	0.35	19.662	18	33.4	37.10	16	33.4	G5 J	12A	1483	A -15 971
29		8.6G	10 19.896	-0.0009	11	-17 30 49.14	-0.035	06	0.45	19.937	19	06.8	47.28	18	96.5	A0	GC	6376	B* -17 1047
30		9.1A	10 24.011	0.0004	17	-19 3 16.48	0.111	12	0.29	24.004	18	33.4	18.31	16	33.4	G0 J	12B	1666	A -19 1119
31		8.5A	10 26.225	0.0002	18	-19 25 41.74	-0.004	13	0.31	26.221	18	33.4	41.67	16	33.4	K0 J	12B	1668	A -19 1120
32		8.9A	10 30.039	0.0012	18	-13 13 10.87	0.016	20	0.36	30.019	18	33.4	11.13	16	33.4	G0 J	11	1359	A -13 1090
33		8.4A	10 31.182	-0.0022	21	-15 9 31.76	0.006	15	0.35	31.218	18	33.4	31.86	16	33.4	G5 J	12A	1485	A -15 972
34		9.0A	10 32.936	0.0006	17	-18 45 48.23	-0.009	12	0.29	32.928	18	33.4	48.07	16	33.4	F0 J	12B	1669	A -18 1027
35		8.3A	10 36.140	-0.0014	18	-14 37 38.05	-0.005	11	0.30	36.164	18	33.4	37.97	16	33.4	A0 J	12A	1486	A -14 1070
36		8.1A	10 37.938	-0.0028	18	-12 14 3.67	-0.019	20	0.36	37.985	18	33.4	3.36	16	33.4	A5 J	11	1360	A -12 1098
37		3.3H	10 41.013	0.0023	02	-16 15 47.97	-0.027	02	0.07	40.937	03	17.0	47.08	04	16.7	A0P	F4	1144	-16 1072
38		8.4A	10 47.725	0.0023	21	-15 55 14.78	-0.018	15	0.35	47.686	18	33.4	14.48	16	33.4	G5 J	12A	1488	A -16 1073
39		4.5T	10 55.232	-0.0014	05	-12 59 57.16	-0.010	04	0.32	55.314	15	91.9	56.49	12	82.0	B8	GC	6387K	B* -13 1092
40		8.7A	10 56.988	-0.0037	21	-14 57 15.55	-0.105	15	0.35	57.050	18	33.4	13.81	16	33.4	G5 J	12A	1489	A -15 973
41		8.5A	10 58.316	-0.0028	18	-18 1 13.95	-0.004	13	0.31	58.361	18	33.4	13.88	16	33.4	K0 J	12B	1673	A -18 1029
42		8.8A	10 59.627	0.0015	18	-10 41 32.60	-0.027	20	0.36	59.601	18	33.4	32.16	16	33.4	G0 J	11	1362	A -10 1125
43		8.8A	11 0.605	-0.0015	21	-14 29 29.25	0.006	15	0.35	0.629	18	33.4	29.36	16	33.4	K0 J	12A	1490	A -14 1071
44		8.5A	11 0.814	0.0012	15	-18 13 6.65	0.031	11	0.27	0.793	18	33.4	7.17	16	33.4	K2 J	12B	1674	A -18 1030
45		9.2A	11 1.314	-0.0003	21	-15 46 14.88	-0.009	15	0.35	1.318	18	33.4	14.73	16	33.4	K2 J	12A	1492	A -15 974
46		8.6A	11 3.466	0.0015	21	-17 39 3.85	0.025	15	0.35	3.441	18	33.4	4.26	16	33.4	K2 J	12A	1493	A -17 1051
47		8.3A	11 6.872	-0.0025	15	-11 22 44.23	0.022	15	0.30	6.914	18	33.4	44.60	16	33.4	A2 J	11	1363	A -11 1105
48		8.9A	11 6.908	-0.0013	17	-12 58 15.83	0.004	18	0.33	6.929	18	33.4	15.89	16	33.4	A5 J	11	1364	A -13 1093
49		7.7A	11 9.199	-0.0011	18	-16 57 59.34	-0.013	13	0.31	9.218	18	33.4	59.12	16	33.4	K5 J	12A	1494	A -17 1052
50		7.6A	11 13.519	-0.0003	20	-18 36 56.74	-0.056	15	0.34	13.524	18	33.4	55.80	16	33.4	G0 J	12B	1675	A -18 1031
51		9.0A	5 11 15.252	-0.0029	21	-14 41 11.19	0.031	15	0.35	15.301	18	33.4	11.71	16	33.4	F5 J	12A	1495	A -14 1073
52		8.5A	11 17.764	-0.0000	21	-13 43 6.09	-0.018	15	0.35	17.764	18	33.4	5.80	16	33.4	K0 J	12A	1496	A -13 1094
53		8.0A	11 19.195	-0.0025	21	-17 9 50.13	-0.029	15	0.35	19.237	18	33.4	49.65	16	33.4	F8 J	12A	1497	A -17 1054
54		8.9A	11 37.232	-0.0006	17	-10 26 5.83	0.016	18	0.33	37.243	18	33.4	6.10	16	33.4	K2 J	11	1366	A -10 1129
55		6.3T	11 43.226	-0.0007	14	-14 39 49.13	0.008	12	0.72	43.260	22	99.2	49.57	19	94.7	F2	GC	6400	-14 1074
56		9.0A	11 47.143	-0.0024	21	-15 6 24.43	-0.014	15	0.35	47.182	18	33.4	24.20	16	33.4	A3 J	12A	1499	A -15 976
57		9.0A	11 48.138	0.0026	21	-16 42 51.44	0.008	15	0.35	48.094	18	33.4	51.57	16	33.4	K0 J	12A	1500	A -16 1078
58		8.0A	11 49.827	0.0021	21	-16 43 19.99	-0.023	15	0.35	49.793	18	33.4	19.61	16	33.4	K0 J	12A	1501	A -16 1080
59		9.2A	11 50.406	-0.0032	18	-16 11 3.68	-0.011	13	0.31	50.458	18	33.4	3.49	16	33.4	F0 J	12A	1502	A -16 1079
60		8.0A	11 54.851	-0.0007	15	-13 6 38.72	-0.022	18	0.32	54.862	18	33.4	38.35	16	33.4	K0 J	11	1367	A -13 1097
61		8.1A	11 55.809	0.0011	21	-15 42 9.42	-0.028	15	0.35	55.791	18	33.4	8.96	16	33.4	K5 J	12A	1503	A -15 977
62		8.8A	11 56.972	-0.0013	20	-12 20 35.53	-0.012	20	0.37	56.993	18	33.4	35.33	16	33.4	F8 J	11	1368	A -12 1104
63		7.9A	12 4.187	0.0148	21	-15 52 48.31	-0.226	15	0.35	3.942	18	33.4	44.57	16	33.4	G5 J	12A	1504	A -15 978
64		7.9A	12 5.937	-0.0035	17	-10 28 23.36	0.013	18	0.33	5.995	18	33.4	23.57	16	33.4	F0 J	11	1369	A -10 1131
65		8.8A	12 9.589	-0.0015	21	-15 4 37.54	-0.003	15	0.35	9.613	18	33.4	37.49	16	33.4	K5 J	12A	1505	A -15 979
66		8.0A	12 16.912	-0.0002	21	-13 58 50.70	0.003	12	0.33	16.915	18	33.4	50.76	16	33.4	F2 J	12A	1506	A -14 1076
67		7.6A	12 16.981	-0.0040	18	-18 26 29.43	0.031	13	0.31	17.046	18	33.4	29.95	16	33.4	K0 J	12B	1682	A -18 1035
68		9.0A	12 37.204	0.0006	21	-15 51 4.89	-0.009	15	0.35	37.193	18	33.4	4.74	16	33.4	A0 J	12A	1507	A -15 981
69		8.4A	12 43.787	-0.0063	17	-12 15 35.29	-0.015	18	0.33	43.892	18	33.4	35.04	16	33.4	F8 J	11	1371	A -12 1108
70		8.6A	12 50.760	-0.0000	21	-15 9 20.92	0.014	15	0.35	50.760	18	33.4	21.15	16	33.4	A3 J	12A	1508	A -15 984
71		8.3A	12 56.054	0.0002	21	-15 16 29.95	-0.034	15	0.35	56.051	18	33.4	29.39	16	33.4	F5 J	12A	1509	A -15 986
72		9.2A	12 57.163	-0.0011	18	-15 55 0.17	-0.020	13	0.31	57.181	18	33.4	59.84	16	33.4	G0 J	12A	1510	A -16 1082
73		8.5A	12 59.234	-0.0008	17	-12 46 59.05	-0.021	18	0.33	59.247	18	33.4	58.70	16	33.4	A0 J	11	1372	A -12 1110
74		9.0A	13 0.148	0.0029	21	-15 56 36.88	-0.009	15	0.35	0.099	18	33.4	36.73	16	33.4	G5 J	12A	1511	A -16 1083
75		8.6A	13 3.078	-0.0019	18	-12 52 25.07	-0.004	20	0.36	3.110	18	33.4	25.00	16	33.4	G5 J	11	1373	A -12 1111
76		9.1A	13 6.695	-0.0024	17	-11 45 45.47	-0.040	18	0.33	6.734	18	33.4	44.81	16	33.4	G5 J	11	1374	A -11 1113
77		8.0A	13 13.249	0.0009	13	-19 6 54.44	-0.032	11	0.26	13.233	18	33.4	53.90	16	33.4	F0 J	12B	1685	A -19 1129
78		9.0A	13 24.114	-0.0018	21	-15 25 22.71	-0.026	15	0.35	24.143	18	33.4	22.28	16	33.4	G5 J	12A	1513	A -15 988
79		8.9A	13 25.052	0.0047	18	-13 42 31.69	-0.041	20	0.36	24.973	18	33.4	31.02	16	33.4	K0 J	11	1376	A -13 1104
80		9.1A	13 26.242	-0.0020	15	-10 23 36.17	-0.003	15	0.30	26.275	18	33.4	38.12	16	33.4	A3 J	11	1375	A -10 1139
81		8.6A	13 27.609	0.0056	17	-12 25 16.21	0.101	18	0.33	27.517	18	33.4	17.88	16	33.4	G5 J	11	1377	A -12 1112
82		7.6A	13 43.973	-0.0026	21	-14 33 36.29	-0.011	12	0.33	44.016	18	33.4	36.11	16	33.4	B9 J	12A	1514	A -14 1080
83		8.8A	13 45.208	-0.0017	21	-16 24 26.08	-0.026	15	0.35	45.236	18	33.4	25.65	16	33.4	F8 J	12A	1515	A -16 1089
84		9.0A	13 48.699	0.0023	17	-10 17 51.95	-0.014	18	0.33	48.662	18	33.4	51.72	16	33.4	K5 J	11	1379	A -10 1140
85		9.1A	13 49.865	-0.0024	17	-12 11 57.97	0.065	18	0.33	49.904	18	33.4	59.05	16	33.4	K0 J	11	1381	A -12 1115
86		6.5T	13 50.023	0.0000	07	-11 24 25.21	0.003	10	0.31	50.023	10	16.7	25.32	12	16.5	+++	GC	6448	B* -11 1117
87		8.9A	13 50.367	0.0006	18	-13 3 7.24	0.010	20	0.36	50.357	18	33.4	7.40	16	33.4	F5 J	11	1382	A -13 1107
88		9.0A	13 58.231	0.0031	21	-15 23 40.55	0.026	15	0.35	58.180	18	33.4	40.98	16	33.4	G5 J	12A	1516	A -15 989
89		9.2A	14 4.120	0.0040	21	-13 46 11.40	0.001	15	0.35	4.053	18	33.4	11.43	16	33.4	G5 J	12A	1517	A -13 1110
90		8.6A	14 5.587	-0.0026	15	-12 28 29.23	0.051	17	0.31	5.630	18	33.4	30.08	16	33.4	G5 J	11	1385	A -12 1117
91		7.5A	14 11.482	-0.0012	17	-11 18 58.14	0.012	18	0.33	11.502	18	33.4	58.34	16	33.4	K0 J	11	1386	A -11 1119
92		8.1A	14 12.148	0.0008	21	-14 13 53.69	-0.020	15	0.35	12.134	18	33.4	53.37	16	33.4	K2 J	12A	1518	A -14 1083
93		9.2A	14 19.376	-0.0023	17	-13 43 12.97	0.018	18	0.33	19.414	18	33.4	13.28	16	33.4	A0 J	11	1387	A -13 1113
94		8.6A	14 29.263	-0.0014	21	-15 8 44.90	-0.002	15	0.35	29.286	18	33.4	44.87	16	33.4	F0 J	12A	1519	A -15 993
95		6.5T	14 34.688	-0.0013	12	-17 11 43.98	0.021	11	0.61	34.751	19	00.3	45.09	18	97.5	B3	GC	6466	-17 1069
96		8.7A	14 40.348	-0.0001	18	-14 59 13.78	0.004	13	0.31	40.350	18	33.4	13.85	16	33.4	F8 J	12A	1521	A -15 995
97		8.6A	14 44.987	0.0001	21	-15 0 33.10	-0.006	15	0.35	44.985	18	33.4	33.00	16	33.4	G0 J	12A	1522	A -15 996
98		9.1A	14 53.372	0.0004	21	-17 30 14.29	0.025	15	0.35	53.365	18	33.4	14.70	16	33.4	K0 J	12A	1523	A -17 1072
99		9.0A	14 53.929	0.0012	21	-17 12 47.40	-0.045	15	0.35	53.909	18	33.4	46.66	16	33.4	K0 J	12A	1524	A -17 1071
00		6.8T	15 9.579	-0.0006	16	-17 49 39.37	0.005	15	0.78	9.605	24	02.6	39.63	21	00.6	A5	GC	6479	-17 1073

150300

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	EPOCH 1950 μ s	EPOCH 1950 σ_μ ″.001	EPOCH 1950 δ_{1950} ° ′ ″	EPOCH 1950 μ' ″	EPOCH 1950 $\sigma_{\mu'}$ ″.001	EPOCH 1950 σ_{1950} ″	ORIGINAL EPOCH α_2 s	ORIGINAL EPOCH σ ″.01	ORIGINAL EPOCH ep.	ORIGINAL EPOCH δ_2 ″	ORIGINAL EPOCH σ' ″.01	ORIGINAL EPOCH ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	-10° 5H DM NUMBER
1		8.4A	5 15 17.859	-0.0016	18	-15 40 52.85	-0.027	13	0.31	17.886	18	33.4	52.40	16	33.4	A2 J	12A	1527	A -15 999
2		8.6A	15 18.494	0.0028	21	-15 16 8.14	-0.021	15	0.35	18.447	18	33.4	7.79	16	33.4	A0 J	12A	1526	A -15 1000
3		6.7T	15 19.576	-0.0014	08	-15 16 20.56	-0.005	06	0.45	19.658	21	92.7	20.24	18	87.0	B8	GC	6485K	-15 1001
4		5.7T	15 22.310	-0.0013	04	-13 34 17.96	-0.047	04	0.25	22.378	10	99.1	15.51	10	97.5	K0	GC	6487	B*-13 1116
5		8.9A	15 22.526	-0.0000	18	-11 1 54.22	-0.004	20	0.36	22.527	18	33.4	54.16	16	33.4	A2 J	11	1389K	A -11 1126
6		9.4A	15 22.587	-0.0059	18	-10 43 54.41	-0.002	20	0.36	22.686	18	33.4	54.38	16	33.4	B J	11	1390	A -10 1144
7		9.4A	15 22.602	-0.0019	17	-10 44 24.71	0.070	18	0.33	22.633	18	33.4	25.87	16	33.4	B J	11	1388	A -10 1144
8		8.3A	15 22.639	0.0040	17	-12 50 30.38	-0.020	18	0.33	22.573	18	33.4	50.05	16	33.4	G5 J	11	1391	A -12 1123
9		8.1A	15 26.100	-0.0006	20	-18 42 50.56	-0.006	15	0.34	26.109	18	33.4	50.45	16	33.4	A5 J	12B	1695	A -18 1045
10		8.9A	15 27.733	-0.0000	12	-17 55 0.04	0.011	09	0.24	27.733	18	33.4	0.23	16	33.4	K7 J	12B	1696	A -18 1044
11		8.7A	15 30.336	0.0063	20	-18 11 37.13	-0.176	15	0.34	30.232	18	33.4	34.22	16	33.4	G5 J	12B	1697	A -18 1046
12		8.3A	15 30.525	-0.0006	15	-12 19 43.31	-0.001	18	0.32	30.535	18	33.4	43.29	16	33.4	K2 J	11	1393	A -12 1124
13		8.0A	15 31.109	0.0014	17	-19 31 14.88	0.000	13	0.30	31.085	18	33.4	14.88	16	33.4	K2 J	12B	1698	A -19 1135
14		9.4A	15 44.323	0.0001	21	-16 18 36.09	0.031	15	0.35	44.321	18	33.4	36.60	16	33.4	G0 J	12A	1530	A -16 1093
15		8.9A	15 48.478	-0.0038	18	-18 23 52.32	-0.027	13	0.31	48.541	18	33.4	51.87	16	33.4	K2 J	12B	1699	A -18 1047
16		8.2A	15 49.191	-0.0010	17	-18 39 52.85	-0.040	12	0.29	49.208	18	33.4	52.18	16	33.4	M0 J	12B	1700	A -18 1048
17		9.1A	15 50.061	-0.0077	21	-16 15 24.27	0.037	15	0.35	50.189	18	33.4	24.88	16	33.4	G5 J	12A	1531	A -16 1095
18		8.6A	15 53.822	0.0023	21	-17 25 9.92	0.015	15	0.35	53.784	18	33.4	10.17	16	33.4	K0 J	12A	1533	A -17 1078
19		7.6A	15 54.521	-0.0082	21	-16 14 21.94	0.017	15	0.35	54.657	18	33.4	22.22	16	33.4	K0 J	12A	1532	A -16 1096
20		9.2A	16 1.438	-0.0021	21	-16 33 27.57	0.016	15	0.35	1.474	18	33.4	27.83	16	33.4	F8 J	12A	1534	A -16 1097
21		8.7A	16 10.411	0.0010	17	-18 47 18.27	-0.030	12	0.29	10.394	18	33.4	17.76	16	33.4	K0 J	12B	1701	A -18 1050
22		8.4A	16 19.636	-0.0000	17	-10 33 23.85	0.013	18	0.33	19.637	18	33.4	24.07	16	33.4	A2 J	11	1394	A -10 1149
23		8.2A	16 21.529	-0.0008	18	-13 51 0.87	-0.009	11	0.30	21.543	18	33.4	0.73	16	33.4	K0 J	12A	1535	A -13 1121
24		8.4A	16 24.634	0.0132	21	-14 4 9.06	-0.050	15	0.35	24.415	18	33.4	8.24	16	33.4	K0 J	12A	1536	A -14 1093
25		8.4A	16 33.175	0.0055	21	-17 37 26.33	-0.026	15	0.35	33.084	18	33.4	25.90	16	33.4	F2 J	12A	1537	A -17 1081
26		5.9T	16 36.899	0.0263	07	-18 10 55.32	0.059	07	0.31	35.782	09	07.6	57.84	09	07.6	G0	GC	6511	-18 1051
27		8.6A	16 38.819	0.0030	15	-10 8 46.48	-0.010	17	0.31	38.769	18	33.4	46.31	16	33.4	K0 J	11	1396	A -10 1150
28		8.9A	16 40.080	0.0000	17	-11 11 20.26	0.008	18	0.33	40.080	18	33.4	20.40	16	33.4	K0 J	11	1397	A -11 1130
29		9.0A	16 48.712	0.0039	21	-17 1 8.23	-0.110	15	0.35	48.648	18	33.4	6.41	16	33.4	K0 J	12A	1538	A -17 1083
30		9.2A	16 51.560	-0.0015	21	-16 42 12.70	-0.043	15	0.35	51.585	18	33.4	11.99	16	33.4	K7 J	12A	1539	A -16 1104
31		8.6A	16 53.022	-0.0014	18	-19 54 57.78	0.009	13	0.30	53.044	16	33.9	57.93	16	33.9	K5 J	13A	1707	A -20 1057
32		8.5A	16 57.519	0.0005	15	-13 1 33.55	-0.010	17	0.31	57.511	18	33.4	33.38	16	33.4	K0 J	11	1399	A -13 1123
33		8.6Q	17 0.233	-0.0010	07	-10 47 52.89	0.023	06	0.39	0.283	18	06.0	54.25	18	91.1	F0	GC	6521K	B*-10 1153
34		8.9A	17 1.795	0.0005	18	-17 9 52.41	-0.024	13	0.31	1.787	18	33.4	52.01	16	33.4	K5 J	12A	1540	A -17 1084
35		6.2T	17 5.773	0.0004	14	-18 34 14.11	0.010	15	0.77	5.752	24	00.9	14.60	21	98.7	B8	GC	6524K	-18 1055
36		6.4T	17 6.597	-0.0001	12	-18 33 37.17	-0.002	08	0.58	6.599	24	00.2	37.04	21	94.2	B8	GC	6525K	-18 1056
37		9.0A	17 6.597	-0.0000	15	-13 10 45.90	0.006	15	0.30	6.598	18	33.4	46.00	16	33.4	K0 J	11	1401	A -13 1125
38		7.9A	17 9.334	-0.0015	21	-14 49 8.37	0.004	12	0.33	9.359	18	33.4	8.44	16	33.4	G0 J	12A	1541	A -14 1094
39		9.1A	17 11.335	-0.0013	18	-17 47 51.72	-0.035	13	0.31	11.356	18	33.4	51.14	16	33.4	K0 J	12B	1712	A -17 1085
40		4.3H	17 16.190	-0.0007	02	-13 13 37.19	-0.003	02	0.06	16.211	03	18.4	37.09	03	18.7	B1	F4	1146	-13 1127
41		8.2A	17 20.060	0.0000	18	-11 5 5.90	0.016	20	0.36	20.059	18	33.4	6.17	16	33.4	B8 J	11	1404	A -11 1134
42		8.6A	17 20.500	0.0023	15	-13 38 31.37	0.055	17	0.31	20.461	18	33.4	32.29	16	33.4	G0 J	11	1405	A -13 1128
43		8.9A	17 38.152	0.0009	21	-17 8 15.75	-0.037	15	0.35	38.138	18	33.4	15.14	16	33.4	K2 J	12A	1544	A -17 1087
44		8.0A	17 38.735	0.0012	21	-15 39 47.80	-0.018	15	0.35	38.715	18	33.4	47.50	16	33.4	K0 J	12A	1543	A -15 1014
45		5.3T	17 39.718	-0.0009	04	-12 21 55.61	0.008	04	0.23	39.765	10	97.9	56.06	10	94.9	B5	GC	6538	B*-12 1132
46		8.8A	17 42.385	-0.0011	13	-10 3 7.87	-0.053	13	0.27	42.403	16	33.9	7.02	16	33.9	G0	16	1433	A -10 1156
47		8.6A	17 43.889	0.0115	21	-15 53 32.17	0.184	15	0.35	43.699	18	33.4	35.21	16	33.4	G5 J	12A	1545	A -15 1016
48		8.4A	17 53.667	-0.0012	15	-11 7 4.49	-0.007	15	0.30	53.688	18	33.4	4.38	16	33.4	K2 J	11	1408	A -11 1138
49		8.8A	18 3.031	0.0003	18	-17 44 16.84	-0.031	13	0.31	3.026	18	33.4	16.33	16	33.4	G0 J	12B	1719	A -17 1089
50		9.0A	18 3.827	0.0002	18	-12 4 36.56	-0.004	20	0.36	3.825	18	33.4	36.49	16	33.4	F5 J	11	1409	A -12 1135
51		9.1A	5 18 5.299	-0.0061	18	-12 14 13.77	0.093	20	0.36	5.400	18	33.4	15.31	16	33.4	G0 J	11	1411	A -12 1136
52		8.9A	18 6.198	-0.0014	15	-11 37 47.27	0.052	17	0.31	6.221	18	33.4	48.13	16	33.4	B9 J	11	1410	A -11 1140
53		9.1A	18 8.336	0.0011	12	-19 33 49.76	-0.033	11	0.25	8.317	18	33.4	49.21	16	33.4	F5 J	12B	1720	A -19 1142
54		9.0A	18 8.923	0.0015	21	-16 7 35.49	-0.015	15	0.35	8.898	18	33.4	35.24	16	33.4	K7 J	12A	1547	A -16 1107
55		8.3A	18 14.888	-0.0015	15	-13 26 4.54	-0.052	15	0.30	14.913	18	33.4	3.68	16	33.4	G5 J	11	1412	A -13 1131
56		8.2A	18 15.348	-0.0009	21	-14 38 24.18	0.000	12	0.33	15.363	18	33.4	24.19	16	33.4	K0 J	12A	1548	A -14 1099
57		8.7A	18 17.121	-0.0018	18	-13 9 39.94	-0.041	20	0.36	17.151	18	33.4	39.26	16	33.4	K5 J	11	1414	A -13 1132
58		8.6A	18 18.551	-0.0013	17	-10 34 33.47	0.021	20	0.34	18.573	18	33.4	33.82	16	33.4	A5 J	11	1413	A -10 1159
59		8.9A	18 19.359	0.0076	17	-19 27 13.20	0.181	12	0.29	19.233	18	33.4	16.19	16	33.4	F8 J	12B	1721	A -19 1144
60		8.5A	18 29.330	-0.0012	17	-13 39 23.85	0.002	18	0.33	29.350	18	33.4	23.89	16	33.4	G5 J	11	1415	A -13 1133
61		8.5A	18 38.045	-0.0007	15	-11 39 48.78	0.017	17	0.31	38.057	18	33.4	49.06	16	33.4	A0 J	11	1416	A -11 1146
62		8.0A	18 40.609	0.0002	21	-14 40 45.82	-0.015	15	0.35	40.607	18	33.4	45.57	16	33.4	F2 J	12A	1549	A -14 1102
63		8.9A	18 43.081	-0.0003	15	-10 23 52.07	-0.013	15	0.30	43.086	18	33.4	51.85	16	33.4	A5 J	11	1417	A*-10 1161
64		7.6A	18 45.260	-0.0012	17	-19 44 10.98	0.044	12	0.28	45.280	16	33.9	11.69	16	33.9	K0 J	13A	1725	A -19 1147
65		9.4A	18 46.164	0.0020	21	-16 0 9.89	-0.013	15	0.35	46.130	18	33.4	9.67	16	33.4	G5 J	12A	1550	A -16 1111
66		9.4A	18 50.248	-0.0007	17	-12 7 46.98	0.003	18	0.33	50.260	18	33.4	47.03	16	33.4	K7 J	11	1418	A -12 1139
67		7.5A	18 55.914	-0.0028	21	-14 12 4.08	0.013	15	0.35	55.961	18	33.4	4.30	16	33.4	G0 J	12A	1551	A -14 1103
68		8.2A	19 2.255	-0.0009	21	-15 11 58.00	0.003	15	0.35	2.269	18	33.4	58.05	16	33.4	A5 J	12A	1552	A -15 1018
69		9.0A	19 2.654	0.0009	21	-17 22 19.72	-0.009	15	0.35	2.640	18	33.4	19.57	16	33.4	K5 J	12A	1555	A -17 1096
70		9.1A	19 2.982	0.0016	15	-19 31 16.27	0.001	11	0.27	2.955	18	33.4	16.29	16	33.4	G5 J	12B	1728	A -19 1149
71		8.8A	19 4.595	-0.0017	21	-14 21 50.19	-0.024	15	0.35	4.622	18	33.4	49.80	16	33.4	K2 J	12A	1553	A -14 1104
72		7.1A	19 4.976	-0.0020	18	-14 36 12.46	-0.005	13	0.31	5.010	18	33.4	12.38	16	33.4	B8 J	12A	1554	A -14 1105
73		9.0A	19 13.071	-0.0028	15	-11 31 38.65	-0.009	17	0.31	13.116	18	33.4	38.50	16	33.4	A0 J	11	1420	A -11 1147
74		9.1A	19 26.275	0.0033	18	-16 12 13.98	-0.214	13	0.32	26.220	18	33.1	10.36	16	33.1	G0 J	12A	1556	A -16 1114
75		6.5T	19 33.421	0.0001	09	-13 48 12.84	-0.008	09	0.49	33.417	18	00.2	12.44	18	97.9	B8	GC	6591	-13 1135
76		8.4A	19 36.074	0.0003	21	-13 55 32.41	0.003	15	0.35	36.069	18	33.1	32.47	16	33.1	G5 J	12A	1558	A -14 1107
77		9.5A	19 36.125	-0.0018	21	-16 49 19.68	0.003	15	0.35	36.156	18	33.1	19.73	16	33.1	A2 J	12A	1559	A -16 1115
78		8.9A	19 41.871	0.0092	18	-15 31 2.71	-0.036	13	0.32	41.714	18	33.1	2.10	16	33.1	G0 J	12A	1560	A -15 1020
79		6.9T	19 42.503	0.0009	14	-17 39 3.84	-0.007	13	0.73	42.455	22	99.9	3.48	21	96.9	K0	GC	6594	-17 1098
80		9.2A	19 43.590	0.0023	13	-18 53 9.88	-0.033	12	0.27	43.551	18	33.1	9.31	16	33.1	G0 J	12B	1729	A -18 1066
81		8.5A	19 46.562	0.0007	15	-12 10 27.87	-0.009	20	0.34	46.550	18	33.1	27.72	16	33.1	G5 J	11	1423	A -12 1142
82		8.8A	19 59.865	0.0016	18	-16 3 40.39	-0.017	13	0.32	59.838	18	33.1	40.10	16	33.1	A2 J	12A	1562	A -16 1117
83		8.7A	20 9.436	-0.0019	17	-18 9 52.61	-0.001	12	0.30	9.468	18	33.1	52.60	16	33.1	K0 J	12B	1731	A -18 1069
84		8.9A	20 22.701	-0.0024	15	-10 31 37.56	0.004	17	0.32	22.742	18	33.1	37.63	16	33.1	F8 J	11	1426	A -10 1168
85		8.6A	20 22.738	0.0005	15	-10 36 45.73	0.014	15	0.30	22.730	18	33.1	45.97	16	33.1	K0 J	11	1425	A -10 1169
86		9.4A	20 24.099	-0.0016	21	-15 57 55.93	0.023	15	0.35	24.126	18	33.1	56.32	16	33.1	G0 J	12A	1563	A -16 1118
87		8.6A	20 26.380	-0.0005	12	-19 54 5.56	0.015	09	0.23	26.388	16	33.9	5.80	16	33.9	A0 J	13A	1733	A -19 1156
88		9.2A	20 30.785	0.0013	21	-13 57 46.19	0.030	15	0.35	30.763	18	33.1	46.71	16	33.1	G5 J	12A	1565	A -14 1115
89		8.3A	20 37.247	0.0005	21	-15 4 6.51	-0.128	15	0.35	37.238	18	33.1	4.34	16	33.1	F8 J	12A	1566	A -15 1022
90		9.4A	20 44.004	-0.0004	21	-17 10 33.71	-0.023	15	0.35	44.011	18	33.1	33.32	16	33.1	F8 J	12A	1568	A -17 1107
91		8.8A	20 54.604	-0.0009	21	-17 16 11.98	-0.021	15	0.35	54.619	18	33.1	11.62	16	33.1	A0 J	12A	1569	A -17 1108
92		7.1A	21 2.592	-0.0009	18	-14 52 42.86	0.010	13	0.32	2.608	18	33.1	43.04	16	33.1	K0 J	12A	1570	A -14 1117
93		8.4A	21 3.714	-0.0017	18	-10 39 4.19	0.002	20	0.36	3.742	18	33.1	4.23	16	33.1	K5 J	11	1427	A -10 1173
94		9.4A	21 9.230	0.0004	21	-13 55 36.60	0.021	15	0.35	9.223	18	33.1	36.96	16	33.1		12A	1571	A -14 1118
95		8.4A	21 12.116	-0.0005	18	-11 14 55.81	-0.017	20	0.36	12.125	18	33.1	55.52	16	33.1	F0 J	11	1428	A -11 1158
96		5.2T	21 12.779	-0.0003	04	-13 58 22.07	0.003	04	0.23	12.795	12	02.3	22.24	10	98.4	B3	GC	6635	B*-14 1119
97		7.2A	21 13.198	-0.0023	15	-10 27 50.99	0.016	15	0.30	13.238	18	33.1	51.26	16	33.1	A0 J	11	1429K	A -10 1174
98		8.8A	21 14.413	-0.0022	17	-12 1 24.53	-0.010	18	0.34	14.450	18	33.1	24.36	16	33.1	A0 J	11	1430	A -12 1150
99		9.1A	21 16.633	-0.0001	15	-11 57 52.06	-0.026	15	0.30	16.635	18	33.1	51.62	16	33.1		11	1432	A -12 1151
00		9.0A	21 17.149	0.0005	13	-11 54 50.80	-0.007	15	0.30	17.140	18	33.1	50.68	16	33.1	G5 J	11	1433	A -12 1152

150400

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NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	EPOCH 1950 μ s	EPOCH 1950 σ_μ ″.001	EPOCH 1950 δ_{1950} ° ′ ″	EPOCH 1950 μ' ″	EPOCH 1950 $\sigma_{\mu'}$ ″.001	EPOCH 1950 σ_{1950} ″	ORIGINAL EPOCH α_2 s	ORIGINAL EPOCH σ ″.01	ORIGINAL EPOCH ep.	ORIGINAL EPOCH δ_2 ″	ORIGINAL EPOCH σ' ″.01	ORIGINAL EPOCH ep.	SP.		SOURCE CAT.	SOURCE STAR NUMBER	DM NUMBER
1		9.0A	5 21 20.042	0.0017	18	-11 49 58.15	-0.038	20	0.36	20.013	18	33.1	57.51	16	33.1	K0	J	11	1434	A -11 1160
2		9.1A	21 23.975	0.0008	21	-16 27 1.17	-0.005	15	0.35	23.962	18	33.1	1.08	16	33.1	A3	J	12A	1573	A -16 1125
3		8.8A	21 30.341	-0.0023	13	-10 2 12.28	0.011	13	0.27	30.377	16	33.9	12.46	16	33.9	A0	J	16	1471	A -10 1175
4		8.7A	21 32.511	0.0002	18	-13 3 27.01	0.007	20	0.36	32.507	18	33.1	27.13	16	33.1	A0	J	11	1436	A -13 1141
5		9.2A	21 34.051	0.0015	21	-15 30 34.62	0.091	15	0.35	34.026	18	33.1	36.16	16	33.1	F8	J	12A	1575	A -15 1027
6		8.9A	21 34.159	0.0022	21	-15 8 37.84	-0.009	15	0.35	34.121	18	33.1	37.69	16	33.1	G5	J	12A	1574	A -15 1026
7		8.8A	21 37.280	-0.0012	18	-16 19 8.08	-0.030	13	0.32	37.300	18	33.1	7.57	16	33.1	K2	J	12A	1576	A -16 1126
8		8.8A	21 42.041	0.0000	18	-12 9 45.10	0.011	20	0.36	42.041	18	33.1	45.28	16	33.1	G0	J	11	1437	A -12 1154
9		9.0A	21 49.783	-0.0016	18	-19 20 14.16	-0.028	12	0.31	49.810	18	33.1	13.68	16	33.1	F0	J	12B	1741	A -19 1161
10		9.2A	21 51.308	0.0000	18	-16 6 7.51	0.007	13	0.32	51.305	18	33.1	7.63	16	33.1	G0	J	12A	1578	A -16 1127
11		8.8A	21 52.580	-0.0008	21	-13 55 48.44	-0.032	15	0.35	52.593	18	33.1	47.90	16	33.1	G5	J	12A	1577	A -14 1121
12		9.2A	21 57.725	0.0002	21	-16 29 49.45	0.000	15	0.35	57.720	18	33.1	49.45	16	33.1	A0	J	12A	1579	A -16 1128
13		8.4A	21 59.902	0.0042	21	-16 5 14.26	-0.002	15	0.35	59.832	18	33.1	14.22	16	33.1	K0	J	12A	1580	A -16 1129
14		8.9A	22 3.039	-0.0021	18	-18 7 34.86	-0.021	13	0.32	3.075	18	33.1	34.51	16	33.1	K7	J	12B	1742	A -18 1078
15		9.2A	22 11.151	-0.0023	21	-14 55 36.13	0.003	15	0.35	11.191	18	33.1	36.18	16	33.1	A3	J	12A	1581	A -16 1130
16		5.7T	22 14.749	0.0006	08	-17 1 12.24	-0.028	07	0.37	14.722	12	06.9	10.94	14	03.6	A0		GC	6666	-17 1117
17		8.5A	22 19.933	-0.0008	15	-11 2 7.44	0.011	15	0.30	19.947	18	33.1	7.63	16	33.1	A2	J	11	1440	A -11 1164
18		8.9A	22 20.891	-0.0018	17	-19 15 34.79	0.011	12	0.30	20.920	18	33.1	34.97	16	33.1	A0	J	12B	1746	A -19 1164
19		8.6A	22 36.213	-0.0009	21	-17 9 34.06	0.011	15	0.35	36.228	18	33.1	34.25	16	33.1	A7	J	12A	1583	A -17 1120
20		5.9T	22 39.965	-0.0016	12	-10 22 21.04	-0.023	10	0.61	40.048	15	98.0	19.77	15	94.5	K5		GC	6672	-10 1178
21		8.0A	22 44.247	-0.0024	21	-14 18 59.11	-0.001	15	0.35	44.269	18	33.1	59.10	16	33.1	K5	J	12A	1584	A -14 1124
22		6.9T	22 49.524	-0.0002	11	-19 25 4.61	-0.030	15	0.68	49.532	24	99.5	3.16	18	02.3	A0		GC	6674	-19 1166
23		9.2A	22 51.268	0.0009	21	-15 53 29.25	0.023	15	0.35	51.251	18	33.1	29.64	16	33.1	G0	J	12A	1585	A -15 1033
24		6.6P	22 52.535	-0.0008	08	-11 21 22.00	-0.012	05	0.41	52.577	18	97.5	21.35	17	90.3	B9		GC	6675K	B# -11 1167
25		6.6A	22 54.872	0.0016	15	-18 45 50.01	-0.030	11	0.28	54.845	18	33.1	49.49	16	33.1	K2	J	12B	1751	A -18 1085
26		8.3A	22 59.674	0.0015	21	-13 46 48.50	-0.009	15	0.35	59.648	18	33.1	48.36	16	33.1	M0	J	12A	1586	A -13 1147
27		6.7T	23 1.085	-0.0013	18	-12 35 48.53	-0.025	16	0.89	1.151	24	99.8	47.31	24	01.0	G5		GC	6677	-12 1157
28		8.7A	23 13.090	-0.0041	17	-19 13 33.24	-0.004	12	0.30	13.160	18	33.1	33.16	16	33.1	G5	J	12B	1752	A -19 1170
29		8.3A	23 13.638	-0.0004	17	-14 10 7.24	0.008	12	0.30	13.645	18	33.1	7.38	16	33.1	F5	J	12A	1587	A -14 1126
30		8.9A	23 15.187	0.0016	21	-16 39 28.23	-0.018	15	0.35	15.160	18	33.1	27.93	16	33.1	M1	J	12A	1588	A -16 1137
31		8.9A	23 20.116	0.0015	21	-14 28 56.46	-0.037	15	0.35	20.090	18	33.1	55.84	16	33.1	K0	J	12A	1589	A -14 1128
32		8.0P	23 20.772	-0.0018	09	-13 10 27.09	-0.062	07	0.43	20.857	18	03.1	23.88	18	98.2	F0		GC	6687	-13 1148
33		6.4A	23 26.169	-0.0012	21	-16 0 5.79	0.007	15	0.35	26.188	18	33.1	5.91	16	33.1	G0	J	12A	1591	A -16 1139
34		7.7A	23 27.410	0.0013	18	-14 4 27.26	-0.054	13	0.32	27.388	18	33.1	26.36	16	33.1	G5	J	12A	1590	A -14 1130
35		8.0A	23 29.296	-0.0012	15	-10 19 33.46	0.033	17	0.32	29.317	18	33.1	34.02	16	33.1	K5	J	11	1448	A -10 1185
36		8.8A	23 36.238	0.0020	17	-14 35 23.98	0.025	12	0.30	36.204	18	33.1	24.41	16	33.1	K2	J	12A	1592	A -14 1131
37		7.2A	23 43.075	-0.0005	17	-10 48 0.84	0.003	18	0.34	43.084	18	33.1	0.89	16	33.1	B9	J	11	1450	A -10 1186
38		9.3A	23 44.009	0.0012	21	-15 56 24.69	-0.007	15	0.35	43.989	18	33.1	24.57	16	33.1	G0	J	12A	1593	A -16 1140
39		6.7A	23 45.124	-0.0023	18	-10 57 0.63	-0.004	20	0.36	45.164	18	33.1	0.57	16	33.1	K5	J	11	1451	A -11 1170
40		7.6P	23 46.047	-0.0001	10	-12 56 51.12	-0.002	10	0.49	46.052	18	04.5	51.04	18	02.5	K0		GC	6690	-13 1149
41		8.3A	23 48.412	0.0000	13	-19 43 55.87	-0.036	11	0.26	48.411	18	33.1	55.26	16	33.1	F5	J	12B	1756	A -19 1172
42		5.8T	23 49.739	-0.0001	09	-19 44 15.60	-0.023	10	0.38	49.741	12	15.5	14.69	14	10.1	F5		GC	6700K	B# -19 1173
43		8.6A	23 49.817	0.0022	21	-16 40 37.01	0.061	15	0.35	49.780	18	33.1	38.04	16	33.1	G0	J	12A	1594	A -16 1141
44		8.3A	23 54.370	0.0001	21	-15 30 40.07	-0.007	15	0.35	54.369	18	33.1	39.95	16	33.1	G5	J	12A	1595	A -15 1035
45		8.8A	23 57.418	0.0015	15	-12 54 58.64	-0.023	17	0.32	57.392	18	33.1	58.25	16	33.1	A0	J	11	1453	A -12 1162
46		9.3A	24 2.679	0.0012	15	-13 2 22.24	-0.018	18	0.33	2.659	18	33.1	21.94	16	33.1	F2	J	11	1454	A -13 1150
47		9.2A	24 4.155	0.0015	21	-15 30 2.18	-0.005	15	0.35	4.130	18	33.1	2.09	16	33.1	A3	J	12A	1597	A -15 1036
48		8.0A	24 4.349	-0.0002	21	-13 58 51.91	-0.013	15	0.35	4.353	18	33.1	51.70	16	33.1	F8	J	12A	1596	A -14 1132
49		8.7A	24 6.462	0.0032	15	-12 46 61.91	-0.065	11	0.28	6.408	18	33.1	45.51	16	33.1	F2	J	12B	1758	A -19 1176
50		8.9A	24 8.476	-0.0005	18	-11 34 35.86	0.017	20	0.36	8.485	18	33.1	36.15	16	33.1	K0	J	11	1456K	A -11 1171
51		7.9A	5 24 8.600	0.0026	18	-14 5 26.68	-0.032	13	0.32	8.786	18	33.1	26.15	16	33.1	F2	J	12A	1598	A -14 1133
52		7.5A	24 21.835	-0.0002	18	-13 54 5.44	-0.001	13	0.32	21.837	18	33.1	5.43	16	33.1	A0	J	12A	1599	A -13 1152
53		9.2A	24 24.757	0.0004	21	-15 30 49.23	-0.006	15	0.35	24.749	18	33.1	49.13	16	33.1	G0	J	12A	1600	A -15 1038
54		8.4A	24 25.419	0.0008	21	-15 11 31.27	-0.051	15	0.35	25.405	18	33.1	30.41	16	33.1	K0	J	12A	1601	A -15 1037
55		8.3A	24 28.524	0.0006	21	-15 48 17.94	-0.012	15	0.35	28.515	18	33.1	17.74	16	33.1	A0	J	12A	1603	A -15 1040
56		8.7A	24 28.750	0.0002	18	-15 33 50.84	-0.022	13	0.32	28.748	18	33.1	50.47	16	33.1	K0	J	12A	1602	A -15 1039
57		8.6A	24 37.129	0.0014	21	-16 31 42.19	-0.006	15	0.35	37.106	18	33.1	42.09	16	33.1	A2	J	12A	1605	A -16 1145
58		8.8A	24 37.519	-0.0011	15	-13 11 40.22	0.023	17	0.32	37.538	18	33.1	40.61	16	33.1	K0	J	11	1459	A -13 1154
59		9.1A	24 39.283	-0.0001	21	-14 20 3.48	0.005	15	0.35	39.284	18	33.1	3.58	16	33.1	F5	J	12A	1604	A -14 1134
60		8.2A	24 43.506	-0.0010	21	-16 22 21.43	0.001	15	0.35	43.524	18	33.1	21.44	16	33.1	A0	J	12A	1606	A -16 1146
61		6.4T	24 44.897	0.0004	04	-11 56 29.68	-0.050	04	0.17	44.862	07	11.4	27.71	07	10.5	F5		GC	6726	B# -12 1169
62		8.9A	24 55.205	0.0008	15	-19 4 1.82	-0.019	11	0.28	55.191	18	33.1	1.49	16	33.1	G5	J	12B	1764	A -19 1181
63		7.8A	24 55.967	0.0000	21	-16 33 47.84	-0.139	15	0.35	55.967	18	33.1	45.49	16	33.1	F5	J	12A	1607	A -16 1147
64		8.5A	24 56.229	-0.0025	15	-10 44 2.13	0.037	15	0.30	56.272	18	33.1	2.76	16	33.1	K0	J	11	1461	A -10 1192
65		8.8A	25 0.595	-0.0006	21	-14 43 52.63	-0.142	15	0.35	0.605	18	33.1	50.23	16	33.1	G0	J	12A	1608	A -14 1136
66		8.5A	25 0.869	-0.0011	18	-19 8 11.45	0.013	13	0.32	0.850	18	33.1	11.66	16	33.1	F0	J	12B	1765	A -19 1182
67		9.1A	25 7.804	-0.0004	13	-10 0 3.33	0.003	13	0.27	7.811	16	33.9	3.38	16	33.9	F5		16	1494	A -10 1193
68		8.7A	25 13.475	-0.0009	17	-13 49 55.95	0.018	13	0.31	13.490	18	33.1	56.26	16	33.1	K2	J	12A	1609	A -13 1157
69		7.3T	25 14.493	0.0016	14	-13 36 58.93	-0.230	10	0.59	14.424	19	05.6	47.56	18	00.5	F5		GC	6734	-13 1158
70		8.3A	25 16.952	0.0005	18	-15 17 21.91	-0.020	13	0.32	16.943	18	33.1	21.57	16	33.1	K2	J	12A	1610	A -15 1047
71		9.1A	25 18.922	-0.0042	18	-18 10 31.10	-0.039	13	0.32	18.994	18	33.1	30.44	16	33.1	G0	J	12B	1766	A -18 1093
72		9.1A	25 21.240	0.0003	21	-15 48 11.48	-0.011	15	0.35	21.235	18	33.1	11.29	16	33.1	F2	J	12A	1611	A -15 1048
73		8.8A	25 28.286	0.0021	18	-10 12 18.34	-0.021	20	0.36	28.250	18	33.1	17.99	16	33.1	K0	J	11	1466	A -10 1194
74		9.1A	25 39.322	0.0024	21	-14 49 0.79	-0.011	15	0.35	39.282	18	33.1	0.61	16	33.1	F5	J	12A	1612	A -14 1141
75		9.2A	25 40.573	0.0009	21	-14 48 59.77	-0.007	15	0.35	40.559	18	33.1	59.66	16	33.1	F5	J	12A	1613	A -14 1141
76		8.1A	25 44.636	-0.0012	13	-18 2 39.31	-0.001	11	0.26	44.655	18	33.1	39.30	16	33.1	G0	J	12B	1770	A -18 1095
77		9.0A	25 51.965	0.0019	18	-13 36 26.15	-0.037	20	0.36	51.992	18	33.1	25.93	16	33.1	K0	J	11	1467	A -13 1159
78		8.6A	25 55.887	-0.0008	20	-18 41 57.47	-0.019	15	0.34	55.901	18	33.1	57.14	16	33.1	G5	J	12B	1772	A -18 1097
79		9.1A	26 3.645	0.0019	15	-11 32 10.78	-0.022	17	0.32	3.612	18	33.1	10.41	16	33.1	G0	J	11	1468	A -11 1182
80		9.0A	26 8.180	-0.0001	17	-19 33 40.26	0.024	12	0.30	8.185	18	33.1	40.67	16	33.1	G0	J	12B	1775	A -19 1185
81		8.9A	26 9.100	-0.0020	15	-11 6 30.96	-0.016	17	0.32	9.134	18	33.1	30.69	16	33.1	A0	J	11	1469	A -11 1184
82		8.8A	26 10.277	-0.0005	17	-19 56 9.60	-0.012	12	0.28	10.284	16	33.9	9.41	16	33.9	K0	J	13A	1776	A -20 1097
83		8.7A	26 10.702	0.0006	15	-10 31 31.58	0.048	17	0.32	10.693	18	33.1	32.40	16	33.1	F8	J	11	1470	A -10 1196
84		8.6A	26 12.124	-0.0001	21	-16 53 29.39	0.003	15	0.35	12.126	18	33.1	29.44	16	33.1	A2	J	12A	1615	A -16 1148
85		9.3A	26 12.326	0.0020	17	-12 38 26.46	0.017	18	0.34	12.292	18	33.1	26.75	16	33.1	F8	J	11	1471	A -12 1174
86		8.8A	26 30.135	0.0071	18	-13 34 45.54	-0.154	20	0.36	30.015	18	33.1	42.94	16	33.1	G5	J	11	1472	A -13 1161
87		9.5A	26 32.038	-0.0004	21	-15 15 47.06	-0.014	15	0.35	32.045	18	33.1	46.82	16	33.1	G5	J	12A	1616	A -15 1052
88		9.0A	26 37.932	-0.0031	15	-11 17 43.44	0.008	15	0.30	37.985	18	33.1	43.58	16	33.1	K2	J	11	1473	A -11 1188
89		8.8A	26 46.299	0.0019	17	-12 54 31.36	0.012	18	0.34	46.267	18	33.1	31.56	16	33.1	G5	J	11	1474	A -12 1179
90		8.6A	26 46.456	-0.0054	21	-17 28 1.95	-0.086	15	0.35	46.547	18	33.1	0.49	16	33.1	G0	J	12A	1618	A -17 1147
91		8.7A	26 50.775	0.0022	17	-14 11 21.61	-0.006	12	0.30	50.737	18	33.1	21.52	16	33.1	K0	J	12A	1617	A -14 1146
92		8.4A	26 52.477	0.0006	12	-19 10 50.12	-0.079	09	0.25	52.466	18	33.1	48.78	16	33.1	K0	J	12B	1780	A -19 1190
93		8.3A	26 55.225	0.0008	21	-17 21 34.96	0.020	15	0.35	55.212	18	33.1	35.30	16	33.1	K2	J	12A	1619	A -17 1148
94		8.8A	26 56.511	0.0002	17	-18 31 57.09	-0.005	12	0.30	56.506	18	33.1	56.99	16	33.1	K0	J	12B	1781	A -18 1101
95		8.6A	27 7.142	-0.0014	21	-15 16 16.29	-0.011	15	0.35	7.165	18	33.1	16.10	16	33.1	K0	J	12A	1620	A -15 1053
96		8.8A	27 28.236	-0.0007	21	-15 56 51.21	-0.004	15	0.35	28.248	18	33.1	51.14	16	33.1	A0	J	12A	1621	A -16 1152
97		9.0A	27 29.927	-0.0007	21	-17 17 31.00	-0.030	15	0.35	29.940	18	33.1	30.49	16	33.1	F5	J	12A	1622	A -17 1152
98		8.6A	27 30.847	0.0013	18	-13 29 29.79	0.017	20	0.36	30.825	18	33.1	30.08	16	33.1	F8	J	11	1476	A -13 1164
99		9.0A	27 38.718	0.0022	21	-16 42 37.73	-0.031	15	0.35	38.680	18	33.1	37.21	16	33.1	F8	J	12A	1623	A -16 1154
00		8.7A	27 46.749	-0.0008	18	-11 28 38.64	-0.009	20	0.36	46.762	18	33.1	38.49	16	33.1	G0	J	11	1477	A -11 1195

150500

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.		SOURCE CAT.	STAR NUMBER	DM NUMBER
1		9.0A	5 27 52.719	-0.0034	17	-10 16 51.80	-0.055	18	0.34	52.777	18	33.1	50.87	16	33.1	F5	J	11	1478	A -10 1203
2		8.5A	27 54.529	-0.0002	13	-12 47 59.98	-0.002	15	0.30	54.533	18	33.1	59.94	16	33.1	K7	J	11	1479	A -12 1182
3		9.2A	27 55.739	-0.0002	17	-15 24 32.49	-0.002	11	0.29	55.741	18	33.1	32.46	16	33.1	K2	J	12A	1624	A -15 1058
4		8.7A	27 56.637	0.0010	15	-11 48 16.28	0.009	20	0.34	56.620	18	33.1	16.43	16	33.1	K2	J	11	1480	A -11 1197
5		9.0A	27 58.789	-0.0007	18	-18 35 40.66	-0.058	13	0.32	58.802	18	33.1	39.67	16	33.1	G0	J	12B	1785	A -18 1102
6		8.2A	28 3.726	0.0011	18	-12 59 24.80	-0.003	20	0.36	3.707	18	33.1	24.75	16	33.1	G5	J	11	1481	A -13 1166
7		8.3A	28 6.514	0.0002	17	-13 32 10.09	-0.001	15	0.32	6.510	18	33.1	10.08	16	33.1	A0	J	11	1482	A -13 1167
8		9.0A	28 8.414	0.0003	17	-19 18 45.84	-0.009	12	0.30	8.410	18	33.1	45.68	16	33.1	G5	J	12B	1786	A -19 1194
9		9.4A	28 9.683	-0.0003	21	-15 59 32.93	-0.002	15	0.35	9.689	18	33.1	32.90	16	33.1	K7	J	12A	1625	A -16 1156
10		8.5A	28 10.737	0.0001	17	-13 36 38.33	-0.045	18	0.34	10.735	18	33.1	37.58	16	33.1	K0	J	11	1483	A -13 1168
11		8.5A	28 10.960	-0.0000	17	-18 37 44.70	0.002	12	0.30	10.960	18	33.1	44.72	16	33.1	K5	J	12B	1787	A -18 1103
12		9.1A	28 16.455	-0.0011	18	-12 50 23.13	-0.054	20	0.36	16.474	18	33.1	22.22	16	33.1	K5	J	11	1484	A -12 1186
13		9.1A	28 17.658	-0.0011	17	-15 21 6.49	-0.048	11	0.29	17.676	18	33.1	5.68	16	33.1	G5	J	12A	1626	A -15 1060
14		9.1A	28 20.624	-0.0000	21	-16 7 45.40	-0.011	15	0.35	20.625	18	33.1	45.21	16	33.1	K2	J	12A	1627	A -16 1157
15		8.5A	28 20.967	-0.0016	17	-13 40 9.37	0.027	18	0.34	20.994	18	33.1	9.84	16	33.1	K0	J	11	1485	A -13 1169
16		8.8A	28 26.063	-0.0006	17	-14 3 42.70	0.003	12	0.30	26.073	18	33.1	42.76	16	33.1	A2	J	12A	1628	A -14 1156
17		8.9A	28 26.843	-0.0017	15	-12 53 33.47	0.034	15	0.30	26.872	18	33.1	34.04	16	33.1	G0	J	11	1486	A -12 1190
18		8.5A	28 30.176	-0.0016	17	-18 38 40.26	0.014	12	0.30	30.204	18	33.1	40.49	16	33.1	K2	J	12B	1788	A -18 1106
19		8.2A	28 34.929	0.0023	17	-13 46 16.02	0.003	12	0.30	34.890	18	33.1	16.08	16	33.1	K5	J	12A	1629	A -13 1171
20		8.5A	28 36.270	-0.0013	17	-19 27 36.45	0.004	13	0.31	36.292	18	33.1	36.51	16	33.1	F2	J	12B	1789	A -19 1198
21		8.2A	28 36.952	-0.0012	21	-15 50 27.62	-0.028	15	0.35	36.972	18	33.1	27.14	16	33.1	F0	J	12A	1630	A -15 1063
22		7.0T	28 37.514	0.0113	12	-10 6 48.24	-0.321	10	0.61	36.950	19	00.1	30.94	18	96.1	G0		GC	6824	-10 1204
23		9.6A	28 52.077	-0.0004	21	-15 22 12.64	0.024	15	0.35	52.084	18	33.1	13.05	16	33.1	A2	J	12A	1631	A -15 1064
24		8.6A	29 2.922	-0.0027	21	-15 3 8.94	0.002	15	0.35	2.968	18	33.1	8.98	16	33.1	A0	J	12A	1633	A -15 1067
25		9.2A	29 7.038	-0.0025	21	-17 0 18.09	-0.050	15	0.35	7.080	18	33.1	17.24	16	33.1	G0	J	12A	1634	A -17 1158
26		9.0A	29 8.849	0.0030	21	-17 22 43.35	-0.020	15	0.35	8.799	18	33.1	43.01	16	33.1	K0	J	12A	1635	A -17 1159
27		8.9A	29 19.800	-0.0014	17	-19 19 43.65	0.017	12	0.30	19.823	18	33.1	43.93	16	33.1	A5	J	12B	1795	A -19 1199
28		9.3A	29 20.546	0.0001	17	-10 34 45.89	0.004	18	0.34	20.545	18	33.1	45.96	16	33.1	K0	J	11	1490	A -10 1209
29		8.3A	29 24.811	-0.0020	15	-15 14 22.31	0.007	11	0.28	24.845	18	33.1	22.43	16	33.1	A0	J	12A	1636	A -15 1068
30		9.1A	29 24.892	0.0038	18	-18 8 29.33	-0.012	13	0.32	24.828	18	33.1	29.14	16	33.1	A2	J	12B	1796	A -18 1111
31		8.4A	29 32.126	0.0038	13	-18 45 9.61	-0.028	11	0.26	32.062	18	33.1	9.13	16	33.1	K2	J	12B	1797	A -18 1112
32		8.5A	29 32.995	-0.0021	21	-14 25 30.25	-0.003	15	0.35	33.030	18	33.1	30.21	16	33.1	A2	J	12A	1637	A -14 1160
33		9.2A	29 34.470	-0.0015	21	-16 9 51.95	0.017	15	0.35	34.496	18	33.1	52.24	16	33.1	K0	J	12A	1638	A -16 1163
34		8.7A	29 39.171	-0.0012	12	-10 1 56.42	-0.006	12	0.25	39.192	16	33.9	56.32	16	33.9	A0		16	1526	A*-10 1210
35		7.2T	29 42.028	0.0043	27	-16 42 30.75	-0.229	24	1.11	41.850	27	08.9	20.90	26	07.0	G5		GC	6854	-16 1165
36		8.6A	29 47.420	0.0031	18	-17 48 9.16	0.000	15	0.33	47.367	18	33.1	9.16	16	33.1	F8	J	12B	1799	A -17 1162
37		8.8A	29 48.611	-0.0021	17	-13 47 55.62	0.008	12	0.30	48.646	18	33.1	55.77	16	33.1	A3	J	12A	1640	A -13 1176
38		9.2A	29 52.158	-0.0004	21	-17 36 7.13	-0.013	15	0.35	52.165	18	33.1	6.92	16	33.1	F5	J	12A	1643	A -17 1164
39		8.3A	29 52.681	-0.0005	21	-15 36 16.04	-0.017	15	0.35	52.688	18	33.1	15.75	16	33.1	K0	J	12A	1642	A -15 1072
40		8.7A	30 2.564	-0.0004	17	-15 17 34.34	0.005	12	0.30	2.571	18	33.1	34.43	16	33.1	K7	J	12A	1644	A -15 1073
41		8.9A	30 3.024	-0.0031	15	-13 15 22.12	0.030	15	0.30	3.077	18	33.1	22.63	16	33.1	F0	J	11	1492	A -13 1179
42		8.8A	30 9.022	-0.0043	21	-15 0 22.13	0.029	15	0.35	9.095	18	33.1	22.62	16	33.1	F8	J	12A	1645	A -15 1075
43		9.0A	30 13.175	0.0009	21	-15 31 39.23	0.035	15	0.35	13.160	18	33.1	39.83	16	33.1	F2	J	12A	1646	A -15 1076
44		8.7A	30 24.282	-0.0006	17	-19 8 22.14	-0.010	12	0.30	24.293	18	33.1	21.97	16	33.1	K2	J	12B	1803	A -19 1203
45		8.9A	30 27.030	-0.0004	15	-10 27 53.86	-0.031	17	0.32	27.037	18	33.1	53.34	16	33.1	A7	J	11	1493	A -10 1214
46		6.8T	30 27.548	0.0011	20	-16 21 17.03	0.009	18	0.91	27.496	26	04.8	17.46	22	02.6	K2		GC	6873	-16 1168
47		2.7H	30 31.394	-0.0004	01	-17 51 24.18	0.001	01	0.05	31.410	02	05.2	24.24	02	06.3	F0		F4	207	-17 1166
48		8.4A	30 36.333	-0.0025	21	-13 49 3.64	-0.045	15	0.35	36.376	18	33.1	2.87	16	33.1	F5	J	12A	1650	A -13 1180
49		8.4A	30 42.398	0.0036	15	-10 30 34.96	0.006	15	0.30	42.337	18	33.1	35.06	16	33.1	K2	J	11	1495	A -10 1215
50		8.2A	30 47.704	-0.0008	21	-17 17 32.65	-0.008	15	0.35	47.718	18	33.1	32.52	16	33.1	K5	J	12A	1651	A -17 1167
51		8.6A	5 30 48.229	0.0000	17	-12 56 14.51	0.049	18	0.34	48.229	18	33.1	15.34	16	33.1	A0	J	11	1496	A -13 1181
52		8.7A	30 50.902	-0.0001	17	-19 7 0.03	0.009	13	0.31	50.904	18	33.1	0.18	16	33.1	K0	J	12B	1805	A -19 1206
53		8.9A	30 51.523	-0.0014	20	-12 20 5.22	0.064	20	0.37	51.547	18	33.1	6.30	16	33.1	G5	J	11	1497	A -12 1200
54		9.0A	30 51.859	0.0003	21	-16 58 23.44	-0.025	15	0.35	51.854	18	33.1	23.02	16	33.1	G5	J	12A	1652	A -17 1168
55		9.0A	30 58.295	-0.0041	15	-11 28 8.18	-0.015	17	0.32	58.365	18	33.1	7.93	16	33.1	A0	J	11	1498	A -11 1208
56		8.7A	31 2.116	-0.0017	13	-18 35 43.80	-0.008	11	0.26	2.144	18	33.1	43.66	16	33.1	K0	J	12B	1810	A -18 1120
57		8.8A	31 11.278	-0.0028	21	-15 53 22.63	0.013	15	0.35	11.326	18	33.1	22.85	16	33.1	G5	J	12A	1653	A -15 1080
58		8.0A	31 13.855	0.0001	17	-19 19 38.75	-0.007	12	0.30	13.854	18	33.1	38.63	16	33.1	K0	J	12B	1811	A -19 1209
59		8.9A	31 21.954	0.0001	18	-13 33 54.77	0.026	20	0.36	21.952	18	33.1	55.21	16	33.1	A0	J	11	1499	A -13 1183
60		8.4A	31 26.993	-0.0011	18	-17 49 8.86	-0.041	13	0.32	27.011	18	33.1	8.17	16	33.1	K0	J	12B	1812	A -17 1170
61		8.8A	31 31.808	-0.0026	20	-18 13 46.80	0.087	15	0.34	31.853	18	33.1	48.28	16	33.1	K0	J	12B	1813	A -18 1121
62		8.5A	31 32.142	0.0002	20	-18 42 42.80	0.007	15	0.34	32.138	18	33.1	42.92	16	33.1	F0	J	12B	1814	A -18 1122
63		8.3A	31 32.198	-0.0006	18	-12 30 0.73	0.011	20	0.36	32.208	18	33.1	0.92	16	33.1	F8	J	11	1500	A -12 1201
64		9.0A	31 37.306	0.0014	17	-18 28 48.73	-0.041	12	0.30	37.282	18	33.1	48.04	16	33.1	K0	J	12B	1815	A -18 1123
65		9.0A	31 37.800	-0.0015	17	-13 19 25.74	-0.010	18	0.34	37.825	18	33.1	25.57	16	33.1	A0	J	11	1501	A -13 1185
66		8.8A	31 38.600	-0.0005	18	-19 27 49.40	0.018	13	0.32	38.609	18	33.1	49.70	16	33.1	A2	J	12B	1816	A -19 1210
67		8.6A	31 38.623	-0.0001	17	-14 50 15.40	0.002	12	0.30	38.625	18	33.1	15.44	16	33.1	K2	J	12A	1655	A -14 1170
68		9.0A	31 40.842	-0.0016	20	-11 2 6.05	0.052	20	0.37	40.869	18	33.1	6.93	16	33.1	A3	J	11	1502	A -11 1212
69		8.9A	31 42.628	0.0062	18	-19 26 45.67	0.049	13	0.32	42.523	18	33.1	46.50	16	33.1	K5	J	12B	1817	A -19 1211
70		8.9A	31 44.574	-0.0012	18	-11 23 33.58	-0.006	20	0.36	44.594	18	33.1	33.48	16	33.1	F0	J	11	1503	A -11 1214
71		8.7A	31 53.463	0.0011	18	-15 18 59.76	-0.029	13	0.32	53.444	18	33.1	59.27	16	33.1	F5	J	12A	1656	A -15 1082
72		8.8A	31 53.977	-0.0016	18	-12 28 6.87	-0.034	20	0.36	54.005	18	33.1	6.30	16	33.1	K7	J	11	1504	A -12 1204
73		9.0A	31 58.337	0.0010	18	-13 35 46.52	-0.000	20	0.36	58.320	18	33.1	46.51	16	33.1	K0	J	11	1507	A -13 1186
74		8.6A	31 58.487	-0.0012	13	-10 5 17.80	0.007	13	0.27	58.507	16	33.9	17.91	16	33.9	G5		16	1543	A -10 1221
75		8.7A	32 0.029	-0.0021	18	-10 16 51.23	0.020	20	0.36	0.064	18	33.1	51.57	16	33.1	G5	J	11	1506	A -10 1222
76		8.8A	32 1.574	-0.0025	17	-11 47 53.11	-0.022	18	0.34	1.616	18	33.1	52.74	16	33.1	A2	J	11	1508	A -11 1217
77		7.8A	32 2.012	-0.0010	20	-18 22 16.40	-0.005	15	0.34	2.029	18	33.1	16.32	16	33.1	A0	J	12B	1820	A -18 1125
78		7.2T	32 4.653	-0.0024	20	-18 50 40.84	-0.019	17	0.85	4.758	24	07.0	39.95	21	03.3	K5		GC	6908	-18 1127
79		9.0A	32 4.788	0.0003	21	-17 11 12.80	-0.022	15	0.35	4.784	18	33.1	12.43	16	33.1	G0	J	12A	1657	A -17 1173
80		8.5A	32 7.344	0.0005	18	-10 31 59.62	0.009	20	0.36	7.336	18	33.1	59.77	16	33.1	K5	J	11	1509	A -10 1224
81		8.8A	32 23.510	0.0001	21	-17 35 8.40	-0.006	15	0.35	23.508	18	33.1	8.30	16	33.1	A3	J	12A	1658	A -17 1174
82		8.4A	32 24.773	-0.0021	15	-11 49 50.63	-0.002	17	0.32	24.809	18	33.1	50.60	16	33.1	A0	J	11	1510	A -11 1219
83		8.6A	32 49.624	0.0004	21	-15 10 24.48	-0.012	15	0.35	49.618	18	33.1	24.27	16	33.1	K7	J	12A	1659	A -15 1085
84		9.3A	32 51.383	-0.0010	18	-12 32 5.57	0.038	20	0.36	51.400	18	33.1	6.21	16	33.1	K5	J	11	1512	A -12 1207
85		8.6A	32 53.972	-0.0015	17	-19 13 20.85	-0.009	12	0.30	53.997	18	33.1	20.70	16	33.1	K7	J	12B	1826	A -19 1216
86		9.1A	32 54.918	-0.0018	18	-12 26 34.27	0.005	20	0.36	54.948	18	33.1	34.36	16	33.1	M0	J	11	1513	A -12 1208
87		8.9A	33 0.703	-0.0007	17	-14 43 39.35	0.019	12	0.30	0.715	18	33.1	39.68	16	33.1	G5	J	12A	1660	A -14 1177
88		6.7T	33 11.468	-0.0020	16	-15 46 8.11	0.022	13	0.77	11.568	24	01.3	9.26	21	97.9	B8		GC	6946	-15 1089
89		9.3A	33 17.554	-0.0030	17	-10 9 10.58	-0.039	18	0.34	17.605	18	33.1	9.92	16	33.1	G5	J	11	1514	A -10 1230
90		8.8A	33 21.540	0.0025	20	-10 35 31.71	-0.050	18	0.36	21.498	18	33.1	30.87	16	33.1	G0	J	11	1515	A -10 1231
91		8.8A	33 28.894	-0.0026	18	-13 20 34.61	0.035	20	0.36	28.938	18	33.1	35.21	16	33.1	F0	J	11	1516	A -13 1189
92		8.9A	33 30.234	0.0024	21	-16 37 18.96	-0.012	15	0.35	30.193	18	33.1	18.76	16	33.1	F8	J	12A	1662	A -16 1179
93		8.8A	33 33.276	0.0008	20	-11 52 44.51	0.019	20	0.37	33.262	18	33.1	44.83	16	33.1	K0	J	11	1517	A -11 1227
94		8.1A	33 35.422	0.0003	15	-13 16 32.79	-0.002	17	0.32	35.417	18	33.1	32.76	16	33.1	K0	J	11	1518	A -13 1190
95		8.2A	33 38.070	-0.0007	17	-19 58 38.80	-0.003	13	0.29	38.081	16	33.9	38.76	16	33.9	K5	J	13A	1828	A -20 1126
96		8.9A	33 38.197	0.0002	21	-15 23 10.21	-0.024	15	0.35	38.193	18	33.1	9.81	16	33.1	A2	J	12A	1663	A -15 1090
97		8.8A	33 44.172	-0.0017	15	-12 22 12.40	-0.004	17	0.32	44.201	18	33.1	12.33	16	33.1	G0	J	11	1519	A -12 1212
98		8.2A	33 48.422	-0.0034	21	-15 24 43.13	-0.026	15	0.35	48.479	18	33.1	42.69	16	33.1	F5	J	12A	1664	A -15 1092
99		8.8A	33 51.458	0.0001	21	-16 53 34.11	0.009	15	0.35	51.455	18	33.1	34.27	16	33.1	B9	J	12A	1666	A -16 1180
00		8.7A	33 52.367	-0.0005	17	-13 51 9.12	0.010	12	0.30	52.376	18	33.1	9.28	16	33.1	A0	J	12A	1665	A -13 1192

-10° 5H

150600

EPOCH 1950 — ORIGINAL EPOCH — SOURCE — -10° 5H

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	EPOCH 1950 μ s	EPOCH 1950 σ_μ ″.001	EPOCH 1950 δ_{1950} ° ′ ″	EPOCH 1950 μ' ″	EPOCH 1950 σ'_μ ″.001	EPOCH 1950 σ_{1950} ″	ORIGINAL EPOCH α_2 s	ORIGINAL EPOCH σ ″.01	ORIGINAL EPOCH ep.	ORIGINAL EPOCH δ_2 ″	ORIGINAL EPOCH σ' ″.01	ORIGINAL EPOCH ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	DM NUMBER
1		8.6A	5 33 54.726	-0.0012	17	-18 43 30.60	-0.022	12	0.30	54.746	18	33.1	30.22	16	33.1	F5 J	12B	1829	A -18 1134
2		8.5A	33 56.536	-0.0014	21	-15 41 21.13	0.000	15	0.35	56.559	18	33.1	21.13	16	33.1	F5 J	12A	1667	A -15 1093
3		7.5A	33 57.286	-0.0021	18	-15 51 5.57	-0.028	13	0.32	57.321	18	33.1	5.10	16	33.1	K0 J	12A	1668	A -15 1094
4		8.2A	34 11.790	0.0043	21	-16 43 48.59	0.018	15	0.35	11.718	18	33.1	48.90	16	33.1	K2 J	12A	1669	A -16 1102
5		8.6A	34 16.189	0.0000	17	-11 49 52.31	0.057	20	0.35	16.189	18	33.1	53.28	16	33.1	F8 J	11	1523	A -11 1231
6		8.1A	34 16.726	-0.0021	17	-10 31 44.38	-0.011	18	0.34	16.762	18	33.1	44.20	16	33.1	A2 J	11	1522	A -10 1235
7		9.1A	34 20.909	-0.0015	20	-10 18 45.73	-0.003	20	0.37	20.934	18	33.1	45.68	16	33.1	G5 J	11	1524	A -10 1236
8		8.8A	34 35.120	-0.0025	21	-15 3 56.30	0.000	15	0.35	35.163	18	33.1	56.46	16	33.1	K5 J	12A	1670	A -15 1098
9		8.9A	34 36.982	-0.0045	18	-10 6 23.93	0.029	20	0.36	37.067	18	33.1	24.42	16	33.1	K0 J	11	1526	A -10 1238
10		8.9A	34 39.500	-0.0014	17	-15 38 43.67	0.019	13	0.31	39.525	18	33.1	43.99	16	33.1	K5 J	12A	1671	A -15 1099
11		8.9A	34 39.881	0.0003	21	-17 2 43.53	-0.039	15	0.35	39.876	18	33.1	42.88	16	33.1	A0 J	12A	1672	A -17 1186
12		8.2A	34 40.036	-0.0001	13	-19 40 42.04	0.005	11	0.26	40.039	18	33.1	42.13	16	33.1	K5 J	12B	1832	A -19 1223
13		9.0A	34 44.988	0.0017	18	-11 27 37.46	0.001	20	0.36	44.959	18	33.1	37.48	16	33.1	G0 J	11	1527	A -11 1234
14		8.8A	34 45.271	-0.0012	17	-13 41 55.30	0.017	18	0.34	45.293	18	33.1	55.58	16	33.1	A3 J	11	1529	A -13 1195
15		9.1A	34 45.523	-0.0001	17	-11 44 47.43	-0.079	16	0.34	45.525	18	33.1	46.09	16	33.1	F8 J	11	1528	A -11 1236
16		9.2A	34 48.767	-0.0016	21	-17 12 6.87	-0.007	15	0.35	48.794	18	33.1	6.76	16	33.1	K5 J	12A	1673	A -17 1187
17		6.0T	34 48.819	0.0010	13	-11 48 16.26	-0.034	11	0.70	48.763	22	96.2	14.31	21	92.0	A0	GC	6988	-11 1238
18		8.3A	34 50.044	-0.0022	18	-19 57 25.69	-0.005	13	0.30	50.079	16	33.9	25.61	16	33.9	A0 J	13A	1833	A -20 1132
19		8.5A	34 50.500	-0.0006	17	-19 53 16.02	0.031	12	0.28	50.510	16	33.9	16.52	16	33.9	A3 J	13A	1834	A -19 1224
20		9.1A	34 53.062	-0.0009	17	-11 6 27.29	-0.025	18	0.34	53.078	18	33.1	26.87	16	33.1	A2 J	11	1531	A -11 1239
21		8.5A	34 54.587	-0.0002	18	-11 25 45.58	0.046	20	0.36	54.592	18	33.1	46.36	16	33.1	A0 J	11	1532	A -11 1240
22		9.2A	34 54.712	-0.0003	15	-12 24 43.00	-0.020	17	0.32	54.717	18	33.1	42.66	16	33.1	F5 J	11	1533K	A -12 1215
23		8.6A	34 55.689	-0.0023	17	-18 56 12.14	-0.024	13	0.31	55.728	18	33.1	11.73	16	33.1	K2 J	12B	1835	A -19 1225
24		7.8A	35 5.866	-0.0006	18	-16 43 44.69	0.004	13	0.32	5.876	18	33.1	44.76	16	33.1	K5 J	12A	1675	A -16 1185
25		9.0A	35 6.882	-0.0005	18	-11 55 41.45	0.038	20	0.36	6.891	18	33.1	42.10	16	33.1	G5 J	11	1534	A -11 1241
26		8.7A	35 7.983	0.0022	17	-14 52 24.52	-0.040	12	0.30	7.945	18	33.1	23.85	16	33.1	K2 J	12A	1674	A -14 1187
27		8.3A	35 14.991	-0.0024	18	-10 25 32.98	0.017	20	0.36	15.031	18	33.1	33.27	16	33.1	K0 J	11	1535	A -10 1240
28		8.5A	35 16.102	-0.0025	18	-12 43 40.61	0.016	20	0.36	16.143	18	33.1	40.88	16	33.1	A3 J	11	1536	A -12 1217
29		9.2A	35 20.482	-0.0018	17	-12 1 10.81	0.079	18	0.34	20.513	18	33.1	12.15	16	33.1	F5 J	11	1537	A -12 1219
30		9.1A	35 25.169	-0.0029	17	-18 31 5.12	-0.021	12	0.30	25.218	18	33.1	4.76	16	33.1	F5 J	12B	1836	A -18 1141
31		9.0A	35 29.329	-0.0009	21	-17 27 27.09	-0.013	15	0.35	29.344	18	33.1	26.88	16	33.1	K0 J	12A	1677	A -17 1191
32		8.4A	35 30.171	-0.0019	21	-15 7 36.07	0.028	15	0.35	30.204	18	33.1	36.55	16	33.1	K2 J	12A	1676	A -15 1101
33		8.9A	35 32.916	-0.0028	17	-10 7 5.44	-0.059	18	0.34	32.963	18	33.1	4.44	16	33.1	F8 J	11	1538	A -10 1241
34		9.4A	35 46.998	-0.0012	21	-14 58 21.81	0.000	15	0.35	47.019	18	33.1	21.82	16	33.1	F2 J	12A	1678	A -15 1104
35		7.9A	35 49.292	-0.0010	18	-14 47 3.24	-0.008	13	0.32	49.309	18	33.1	3.11	16	33.1	G5 J	12A	1679	A -14 1190
36		8.9A	35 51.843	0.0008	15	-11 33 28.51	0.032	17	0.32	51.829	18	33.1	29.06	16	33.1	G0 J	11	1539	A -11 1244
37		8.3A	35 56.468	0.0025	18	-12 28 48.82	-0.038	20	0.36	56.425	18	33.1	48.18	16	33.1	F8 J	11	1540	A -12 1222
38		8.5A	35 59.347	0.0004	17	-14 22 6.72	-0.019	12	0.30	59.341	18	33.1	6.39	16	33.1	F0 J	12A	1680	A -14 1191
39		8.5A	36 1.184	-0.0013	13	-18 44 29.39	-0.017	11	0.26	1.206	18	33.1	29.10	16	33.1	K2 J	12B	1838	A -18 1144
40		9.2A	36 2.177	0.0004	15	-10 48 15.41	-0.079	17	0.32	2.171	18	33.1	14.07	16	33.1	G5 J	11	1541	A -10 1243
41		8.1A	36 22.104	-0.0013	15	-12 58 12.40	0.003	17	0.32	22.126	18	33.1	12.45	16	33.1	A2 J	11	1542	A -13 1200
42		9.0A	36 23.265	0.0019	18	-18 12 24.21	-0.009	12	0.31	23.252	18	33.1	24.06	16	33.1	G0 J	12B	1843	A -18 1145
43		7.6A	36 23.919	0.0043	18	-16 56 42.50	-0.104	13	0.32	23.845	18	33.1	40.74	16	33.1	G0 J	12A	1683	A -17 1196
44		8.6A	36 24.486	-0.0002	21	-14 14 7.57	-0.009	15	0.35	24.490	18	33.1	7.41	16	33.1	F5 J	12A	1681	A -14 1195
45		9.0A	36 25.751	-0.0007	21	-13 47 59.28	-0.004	15	0.35	25.764	18	33.1	59.21	16	33.1	K7 J	12A	1682	A -13 1201
46		8.8A	36 32.848	-0.0008	21	-17 5 51.10	-0.017	15	0.35	32.861	18	33.1	50.82	16	33.1	B9 J	12A	1684	A -17 1197
47		8.4A	36 33.457	0.0010	18	-13 34 31.77	0.006	20	0.36	33.440	18	33.1	31.87	16	33.1	A2 J	11	1544	A -13 1203
48		8.7A	36 35.238	0.0006	15	-12 48 10.91	0.011	17	0.32	35.228	18	33.1	11.10	16	33.1	A0 J	11	1545	A -12 1225
49		8.7A	36 42.483	-0.0009	18	-11 3 30.44	0.030	20	0.36	42.498	18	33.1	30.95	16	33.1	G0 J	11	1546	A -11 1249
50		8.4A	36 55.923	-0.0049	15	-17 51 30.18	0.032	11	0.28	56.007	18	33.1	30.73	16	33.1	F0 J	12B	1845	A -17 1198
51		8.1A	5 36 56.991	-0.0022	21	-16 6 50.10	-0.071	15	0.35	57.027	18	33.1	48.90	16	33.1	K2 J	12A	1685	A -16 1194
52		6.2T	37 3.965	-0.0004	09	-17 52 33.62	0.002	07	0.34	3.983	09	09.7	33.72	09	09.0	B9	GC	7058K	B# -17 1199
53		8.2A	37 4.562	0.0001	15	-11 14 12.20	-0.024	17	0.32	4.561	18	33.1	11.80	16	33.1	B3 J	11	1547	A -11 1251
54		8.0A	37 4.665	0.0021	15	-17 51 16.55	-0.017	12	0.29	4.630	18	33.1	18.27	16	33.1		12B	1847	A -17 1200
55		9.0A	37 6.510	0.0012	15	-12 6 14.86	-0.008	17	0.32	6.489	18	33.1	14.72	16	33.1	G0 J	11	1548	A -12 1227
56		8.5A	37 15.173	-0.0008	00	-19 48 48.40	0.062	13	0.22	15.186	16	33.9	49.41	16	33.9	K0 J	13A	1849	A -19 1231
57		8.0A	37 19.715	-0.0008	21	-15 53 39.23	0.009	15	0.35	19.728	18	33.1	39.38	16	33.1	K0 J	12A	1690	A -15 1110
58		8.9A	37 23.903	-0.0004	17	-11 28 26.88	0.003	18	0.34	23.910	18	33.1	26.93	16	33.1	K0 J	11	1549	A -11 1252
59		9.0A	37 27.668	-0.0012	21	-15 11 43.26	0.013	15	0.35	27.689	18	33.1	43.47	16	33.1	F5 J	12A	1691	A -15 1111
60		8.5A	37 29.510	-0.0009	18	-18 44 51.60	0.012	13	0.32	29.525	18	33.1	51.80	16	33.1	K0 J	12B	1850	A -18 1150
61		8.7A	37 36.307	-0.0005	17	-13 53 35.29	-0.201	13	0.31	36.316	18	33.1	31.88	16	33.1	G0 J	12A	1692	A -13 1209
62		8.8A	37 42.339	-0.0041	18	-18 33 26.83	-0.049	13	0.32	42.409	18	33.1	26.00	16	33.1	F5 J	12B	1853	A -18 1151
63		8.6A	37 43.056	-0.0028	17	-14 53 18.83	0.016	12	0.30	43.104	18	33.1	19.11	16	33.1	F0 J	12A	1693	A -14 1201
64		9.1A	37 43.813	0.0008	15	-10 45 28.59	0.017	20	0.34	43.799	18	33.1	28.88	16	33.1	F5 J	11	1552	A -10 1254
65		8.6A	37 48.522	-0.0016	12	-18 56 9.37	-0.008	09	0.25	48.549	18	33.1	9.23	16	33.1	K7 J	12B	1856	A -18 1152
66		9.0A	37 56.832	-0.0007	15	-11 16 34.17	-0.004	17	0.32	56.845	18	33.1	34.10	16	33.1	M0 J	11	1553	A -11 1254
67		8.2A	37 57.346	-0.0008	21	-15 4 29.75	-0.086	15	0.35	57.360	18	33.1	28.29	16	33.1	F2 J	12A	1694	A -15 1116
68		7.6A	38 0.469	-0.0006	21	-16 28 0.33	-0.055	15	0.35	0.478	18	33.1	-59.79	16	33.1	F8 J	12A	1695	A -16 1199
69		9.1A	38 3.295	-0.0028	21	-17 7 46.33	-0.017	15	0.35	3.343	18	33.1	46.05	16	33.1	A0 J	12A	1696	A -17 1206
70		9.0A	38 5.632	-0.0013	18	-16 58 40.80	0.000	13	0.32	5.654	18	33.1	40.81	16	33.1	K7 J	12A	1698	A -17 1207
71		8.8A	38 5.912	0.0016	18	-11 56 3.51	-0.027	20	0.36	5.884	18	33.1	3.06	16	33.1	K5 J	11	1554	A -11 1255
72		9.0A	38 6.378	-0.0037	21	-16 7 29.54	-0.074	15	0.35	6.440	18	33.1	28.29	16	33.1	F5 J	12A	1697	A -16 1200
73		7.7A	38 7.309	-0.0117	17	-19 14 58.54	-0.182	13	0.31	7.507	18	33.1	55.45	16	33.1	F5 J	12B	1857	A -19 1234
74		9.2A	38 8.469	0.0030	18	-13 13 2.06	-0.041	20	0.36	8.419	18	33.1	1.38	16	33.1	G5 J	11	1557	A -13 1211
75		8.2A	38 9.494	-0.0009	17	-10 27 29.39	-0.011	17	0.33	9.510	18	33.1	29.20	16	33.1	B9 J	11	1555	A -10 1255
76		8.7A	38 10.687	0.0006	18	-19 41 40.55	0.026	13	0.32	10.677	18	33.1	40.99	16	33.1	F5 J	12B	1858	A -19 1235
77		9.0A	38 11.188	-0.0012	15	-10 13 20.27	-0.011	17	0.32	11.188	18	33.1	20.09	16	33.1	K7 J	11	1556	A -10 1256
78		8.7A	38 17.479	-0.0019	20	-18 46 20.24	-0.049	15	0.34	17.511	18	33.1	19.41	16	33.1	K7 J	12B	1859	A -18 1154
79		8.8A	38 18.025	0.0003	15	-10 24 4.11	-0.019	17	0.32	18.020	18	33.1	3.79	16	33.1	K5 J	11	1558	A -10 1257
80		6.4T	38 24.554	-0.0025	14	-10 26 2.03	-0.032	13	0.73	24.679	24	01.2	0.42	22	99.1	B8	GC	7095	-10 1258
81		7.9A	38 25.029	-0.0017	17	-12 15 14.26	0.005	18	0.34	25.058	18	33.1	14.35	16	33.1	G5 J	11	1560	A -12 1232
82		8.7A	38 27.733	0.0013	18	-13 42 26.04	-0.012	20	0.36	27.712	18	33.1	25.83	16	33.1	K0 J	11	1561	A -13 1213
83		8.5A	38 27.982	-0.0018	21	-16 9 52.84	-0.006	15	0.35	28.012	18	33.1	52.74	16	33.1	K2 J	12A	1699	A -16 1202
84		8.9A	38 32.278	0.0012	18	-11 53 49.45	-0.083	20	0.36	32.257	18	33.1	48.05	16	33.1	G0 J	11	1562	A -11 1257
85		7.1T	38 34.056	0.0046	22	-11 13 26.78	-0.058	20	0.85	33.877	22	11.6	24.52	22	10.8	K0	GC	7099	-11 1258
86		8.9A	38 36.650	-0.0023	17	-12 20 50.10	0.020	18	0.34	36.689	18	33.1	50.44	16	33.1	M0 J	11	1565	A -12 1233
87		8.8A	38 36.750	-0.0014	17	-18 24 49.73	0.012	12	0.30	36.773	18	33.1	49.94	16	33.1	K5 J	12B	1866	A -18 1156
88		8.8A	38 36.980	-0.0017	17	-15 4 40.03	-0.024	15	0.32	37.009	18	33.1	39.63	16	33.1	A7 J	12A	1700	A -15 1119
89		9.1A	38 41.761	-0.0014	17	-12 32 20.47	-0.007	18	0.34	41.785	18	33.1	20.36	16	33.1	A0 J	11	1566	A -12 1234
90		8.8A	38 44.401	-0.0009	15	-13 2 26.85	-0.003	17	0.32	44.417	18	33.1	26.81	16	33.1	A2 J	11	1567	A -13 1214
91		9.0A	38 45.153	0.0024	21	-15 24 27.12	-0.103	15	0.35	45.113	18	33.1	25.38	16	33.1	F8 J	12A	1701	A -15 1121
92		8.8A	38 46.109	-0.0011	17	-19 6 12.77	0.028	13	0.31	46.128	18	33.1	13.24	16	33.1	F2 J	12B	1867	A -19 1238
93		8.8A	38 51.416	-0.0017	18	-11 0 50.40	0.011	20	0.36	51.444	18	33.1	50.59	16	33.1	G5 J	11	1568	A -11 1260
94		8.8A	38 56.677	-0.0016	18	-12 1 51.22	0.026	20	0.36	56.704	18	33.1	51.66	16	33.1	A0 J	11	1569	A -12 1237
95		8.8A	38 58.237	0.0022	21	-16 53 59.16	0.026	15	0.35	58.200	18	33.1	59.60	16	33.1	M2 J	12A	1702	A -16 1203
96		8.2A	39 2.046	0.0015	13	-18 29 8.91	-0.025	11	0.26	2.020	18	33.1	8.49	16	33.1	K0 J	12B	1869	A -18 1158
97		8.5A	39 5.020	-0.0001	21	-14 24 13.31	-0.017	15	0.35	5.022	18	33.1	13.02	16	33.1	M0 J	12A	1703	A -14 1208
98		8.9A	39 12.070	-0.0016	15	-11 43 25.44	-0.007	17	0.32	12.097	18	33.1	25.32	16	33.1	K0 J	11	1570	A -11 1264
99		8.4A	39 17.745	-0.0012	21	-17 44 20.68	-0.015	15	0.35	17.764	18	33.1	20.43	16	33.1	A0 J	12A	1705	A -17 1211
00		7.4A	39 19.757	-0.0027	17	-15 21 39.72	-0.011	12	0.30	19.804	18	33.1	39.53	16	33.1	K0 J	12A	1704	A -15 1125

150700			EPOCH 1950							ORIGINAL EPOCH						SP.	SOURCE		-10° 5H
NUMBER	MAGNITUDES		α_{1950}	μ	σ_μ	δ_{1950}	μ'	$\sigma_{\mu'}$	σ_{1950}	α_2	σ	ep.	δ_2	σ'	ep.		CAT.	STAR NUMBER	DM NUMBER
	m_{pg}	m_v	h m s	s	″.001	° ′ ″	″	″.001	″	s	″.01		″	″.01						
1		8.4A	5 39 21.144	-0.0024	21	-16 27 23.14	-0.150	15	0.35	21.185	18	33.1	20.60	16	33.1	G0 J	12A	1706	A -16 1205
2		9.0A	39 21.505	-0.0001	21	-16 20 17.59	0.020	15	0.35	21.506	18	33.1	17.93	16	33.1	K5 J	12A	1707	A -16 1206
3		6.1T	39 27.804	-0.0008	16	-16 44 57.75	0.008	15	0.69	27.835	19	08.6	58.11	19	06.1	B5	GC	7119	-16 1208
4		9.1A	39 30.151	-0.0019	17	-16 9 26.38	0.019	12	0.30	30.184	18	33.1	26.70	16	33.1	K2 J	12A	1710	A -16 1209
5		7.3A	39 31.256	-0.0020	17	-12 20 2.89	0.045	18	0.34	31.290	18	33.1	3.65	16	33.1	A2 J	11	1571	A -12 1240
6		8.9A	39 31.861	-0.0013	15	-12 5 12.17	-0.007	15	0.30	31.883	18	33.1	12.05	16	33.1	F0 J	11	1572	A -12 1239
7		8.7A	39 32.210	0.0019	18	-14 3 53.61	0.001	13	0.32	32.178	18	33.1	53.62	16	33.1	M2 J	12A	1709	A -14 1210
8		8.0Q	39 37.685	0.0147	18	-15 39 7.75	-0.107	12	0.68	37.087	18	09.2	2.91	18	04.7	G5	GC	7127	-15 1126
9		9.0A	39 38.732	-0.0030	21	-17 14 22.07	-0.007	15	0.35	38.782	18	33.1	21.96	16	33.1	K7 J	12A	1712	A -17 1213
10		9.1A	39 42.869	-0.0017	21	-15 55 42.02	0.031	15	0.35	42.897	18	33.1	42.55	16	33.1	A2 J	12A	1713	A -15 1128
11		8.8A	39 43.280	-0.0029	21	-15 34 53.84	0.009	15	0.35	43.329	18	33.1	53.99	16	33.1	M J	12A	1714	A -15 1127
12		8.6A	39 49.708	-0.0000	12	-19 0 21.83	0.004	09	0.25	49.708	18	33.1	21.89	16	33.1	K0 J	12B	1871	A -19 1244
13		8.3A	39 50.418	-0.0007	18	-13 0 47.89	-0.030	20	0.36	50.430	18	33.1	47.38	16	33.1	G5 J	11	1574	A -13 1219
14		9.0A	39 58.261	0.0007	21	-14 12 40.45	-0.067	15	0.35	58.249	18	33.1	39.31	16	33.1	K2 J	12A	1715	A -14 1211
15		9.4A	40 0.649	-0.0014	21	-16 11 2.81	0.033	15	0.35	0.672	18	33.1	3.37	16	33.1	G J	12A	1716	A -16 1213
16		6.3T	40 1.762	-0.0030	10	-17 33 11.97	0.006	09	0.33	1.858	10	18.4	12.19	12	16.6	K0	GC	7140	-17 1214
17		8.9A	40 3.101	-0.0007	15	-12 28 45.10	0.011	17	0.32	3.114	18	33.1	45.29	16	33.1	K2 J	11	1575	A -12 1242
18		9.0A	40 5.589	0.0023	21	-16 45 49.59	-0.002	15	0.35	5.551	18	33.1	49.56	16	33.1	F8 J	12A	1718K	A -16 1214
19		8.9A	40 7.762	-0.0031	17	-13 4 45.21	0.008	18	0.34	7.814	18	33.1	45.35	16	33.1	A3 J	11	1576	A -13 1221
20		9.1A	40 8.234	-0.0013	21	-16 41 38.64	0.010	15	0.35	8.255	18	33.1	38.82	16	33.1	A3 J	12A	1719	A -16 1215
21		7.4A	40 12.489	-0.0034	15	-11 40 1.94	-0.031	15	0.30	12.546	18	33.1	1.42	16	33.1	K0 J	11	1578	A -11 1267
22		8.0A	40 12.510	-0.0014	13	-10 39 5.61	-0.018	15	0.30	12.534	18	33.1	5.31	16	33.1	F8 J	11	1577	A -10 1265
23		8.8A	40 14.338	-0.0032	17	-10 23 31.83	0.007	18	0.34	14.393	18	33.1	31.95	16	33.1	K5 J	11	1579	A -10 1266
24		8.5A	40 16.676	-0.0012	21	-15 6 29.83	0.036	15	0.35	16.697	18	33.1	30.44	16	33.1	F0 J	12A	1720K	A -15 1133
25		8.2A	40 21.368	0.0001	21	-17 2 23.60	-0.022	15	0.35	21.366	18	33.1	23.23	16	33.1	A0 J	12A	1721	A -17 1215
26		9.1A	40 23.325	-0.0028	17	-10 26 1.32	-0.003	18	0.34	23.372	18	33.1	1.27	16	33.1	G0 J	11	1580	A -10 1267
27		9.2A	40 27.325	0.0002	21	-17 48 52.00	0.001	15	0.35	27.322	18	33.1	52.02	16	33.1	F0 J	12A	1722	A -17 1216
28		8.9A	40 32.481	-0.0001	17	-18 0 46.06	-0.008	11	0.29	32.483	18	33.1	45.93	16	33.1	A0 J	12B	1878	A -18 1165
29		8.1A	40 33.265	-0.0003	15	-12 22 23.71	-0.037	17	0.32	33.271	18	33.1	23.09	16	33.1	K5 J	11	1581	A -12 1245
30		9.4A	40 35.407	-0.0024	21	-17 37 29.31	-0.036	15	0.35	35.448	18	33.1	28.71	16	33.1	A5 J	12A	1725	A -17 1218
31		8.5A	40 38.779	-0.0004	18	-18 23 1.71	-0.004	13	0.32	38.786	18	33.1	1.65	16	33.1	A0 J	12B	1879	A -18 1166
32		8.8A	40 39.117	-0.0005	17	-14 44 40.12	0.011	12	0.30	39.125	18	33.1	40.31	16	33.1	K5 J	12A	1724	A -14 1216
33		8.7A	40 41.237	0.0012	15	-11 50 48.31	0.020	17	0.32	41.217	18	33.1	48.65	16	33.1	A0 J	11	1582	A -11 1269
34		8.9A	40 44.986	0.0013	20	-17 48 20.16	-0.044	15	0.34	44.964	18	33.1	19.42	16	33.1	F5 J	12B	1880	A -17 1221
35		8.8A	40 47.065	0.0014	17	-14 42 39.97	0.050	12	0.30	47.040	18	33.1	40.82	16	33.1	K5 J	12A	1726	A -14 1217
36		8.5A	40 48.085	-0.0001	17	-17 57 28.26	-0.015	12	0.30	48.087	18	33.1	28.01	16	33.1	K2 J	12B	1881	A -18 1168
37		9.2A	40 56.978	-0.0004	18	-10 44 3.24	0.050	20	0.36	56.986	18	33.1	4.09	16	33.1	F5 J	11	1583	A -10 1269
38		8.9A	41 7.459	-0.0025	17	-13 8 34.37	0.028	18	0.34	7.480	18	33.1	34.85	16	33.1	K2 J	11	1584	A -13 1226
39		5.7T	41 10.210	0.0007	07	-18 34 44.01	-0.016	07	0.26	10.188	09	17.1	43.44	09	14.9	B9	GC	7162	-18 1172
40		8.1A	41 18.014	0.0002	15	-11 19 6.53	-0.017	17	0.32	18.011	18	33.1	6.25	16	33.1	K0 J	11	1585	A -11 1270
41		8.5A	41 29.501	-0.0001	21	-14 41 29.81	-0.009	15	0.35	29.503	18	33.1	29.66	16	33.1	A7 J	12A	1729	A -14 1221
42		9.2A	41 29.794	-0.0036	21	-15 43 31.54	-0.009	15	0.35	29.855	18	33.1	31.39	16	33.1	A2 J	12A	1730	A -15 1136
43		9.0A	41 34.775	0.0035	21	-15 25 29.19	-0.077	15	0.35	34.716	18	33.1	27.89	16	33.1	G0 J	12A	1731	A -15 1138
44		8.6A	41 35.104	0.0018	21	-16 21 6.15	-0.008	15	0.35	35.073	18	33.1	6.02	16	33.1	K0 J	12A	1732	A -16 1221
45		7.7A	41 38.329	-0.0027	18	-19 40 22.35	0.042	13	0.32	38.375	18	33.1	23.07	16	33.1	G5 J	12B	1889	A -19 1248
46		8.8A	41 38.873	-0.0013	17	-15 49 56.05	-0.002	12	0.30	38.895	18	33.1	56.02	16	33.1	K5 J	12A	1733	A -15 1139
47		7.7A	41 50.105	0.0006	21	-14 31 56.07	-0.012	15	0.35	50.095	18	33.1	55.87	16	33.1	F5 J	12A	1734	A -14 1224
48		8.7A	41 51.068	-0.0010	17	-15 50 31.15	-0.008	15	0.32	51.084	18	33.1	31.02	16	33.1	K2 J	12A	1735	A -15 1140
49		7.6A	41 52.398	-0.0039	18	-18 18 28.75	-0.089	13	0.32	52.464	18	33.1	27.25	16	33.1	K0 J	12B	1893	A -18 1174
50		7.2T	41 55.530	0.0061	14	-10 2 6.89	-0.142	12	0.65	55.243	21	03.3	59.97	19	01.2	G0	GC	7180	-10 1271
51		8.5A	5 41 56.238	0.0021	17	-19 35 26.51	-0.063	12	0.30	56.202	18	33.1	25.45	16	33.1	F5 J	12B	1894	A -19 1250
52		9.0A	41 59.157	0.0019	12	-18 5 26.28	0.006	11	0.26	59.124	18	33.1	26.39	16	33.1	M0 J	12B	1895	A -18 1176
53		8.8A	42 0.408	-0.0014	15	-13 2 34.01	0.017	17	0.32	0.432	18	33.1	34.31	16	33.1	K0 J	11	1587	A -13 1230
54		8.9A	42 0.438	0.0017	21	-15 22 8.09	0.018	15	0.35	0.410	18	33.1	8.40	16	33.1	M0 J	12A	1736	A -15 1142
55		9.3A	42 4.271	0.0001	21	-15 48 33.27	-0.010	15	0.35	4.268	18	33.1	33.10	16	33.1	F8 J	12A	1738	A -15 1143
56		8.0A	42 20.662	-0.0016	15	-12 47 48.27	0.015	17	0.32	20.688	18	33.1	48.53	16	33.1	A0 J	11	1588	A -12 1250
57		8.6A	42 22.882	0.0019	21	-16 43 54.18	-0.017	15	0.35	22.849	18	33.1	53.90	16	33.1	A3 J	12A	1739	A -16 1224
58		8.9A	42 27.846	-0.0011	21	-16 50 47.80	-0.002	15	0.35	27.864	18	33.1	47.77	16	33.1	A3 J	12A	1740	A -16 1225
59		8.7A	42 29.410	0.0016	13	-13 5 18.55	0.033	13	0.28	29.383	18	33.1	19.11	16	33.1	F8 J	11	1590	A -13 1232
60		9.0A	42 31.485	0.0011	21	-18 6 19.91	-0.021	15	0.35	31.466	18	33.1	19.56	16	33.1	G0 J	12A	1742	A -18 1177
61		9.1A	42 31.648	0.0004	13	-11 3 50.96	0.019	15	0.30	31.641	18	33.1	51.29	16	33.1	G0 J	11	1589	A -11 1275
62		8.7A	42 32.064	-0.0015	18	-17 26 20.94	-0.012	13	0.32	32.090	18	33.1	20.74	16	33.1	F5 J	12A	1741	A -17 1230
63		8.6A	42 37.766	-0.0006	21	-17 16 20.91	-0.066	15	0.35	37.776	18	33.1	19.80	16	33.1	G0 J	12A	1743	A -17 1231
64		8.9A	42 40.068	-0.0009	17	-12 6 47.41	0.025	18	0.34	40.083	18	33.1	47.84	16	33.1	F0 J	11	1591	A -12 1253
65		8.7A	42 43.879	-0.0002	15	-19 1 34.41	-0.019	11	0.28	43.883	18	33.1	34.08	16	33.1	F2 J	12B	1904	A -19 1255
66		8.0A	42 45.978	-0.0009	21	-15 15 36.68	-0.001	15	0.35	45.994	18	33.1	36.66	16	33.1	G5 J	12A	1744	A -15 1148
67		9.0A	42 48.574	-0.0079	17	-11 45 21.86	0.005	18	0.34	48.708	18	33.1	21.95	16	33.1	G0 J	11	1593	A -11 1278
68		8.8A	42 51.072	-0.0024	18	-16 0 4.85	0.016	13	0.32	51.113	18	33.1	5.12	16	33.1	A2 J	12A	1745	A -16 1227
69		9.3A	42 55.580	0.0053	15	-13 6 45.98	0.061	18	0.33	55.489	18	33.1	47.02	16	33.1	K5 J	11	1595	A -13 1235
70		8.8A	43 3.378	-0.0026	15	-10 54 49.21	-0.003	17	0.32	3.423	18	33.1	49.16	16	33.1	F0 J	11	1596	A -10 1273
71		8.4A	43 6.579	0.0001	17	-12 27 7.33	-0.115	18	0.34	6.576	18	33.1	5.38	16	33.1	K0 J	11	1597	A -12 1258
72		8.4A	43 8.739	0.0009	15	-10 47 7.36	0.030	15	0.30	8.724	18	33.1	7.87	16	33.1	A0 J	11	1598	A -10 1274
73		9.2A	43 13.391	-0.0017	21	-15 57 15.76	0.014	15	0.35	13.420	18	33.1	16.00	16	33.1	A J	12A	1747	A -16 1229
74		8.9A	43 15.574	0.0004	17	-15 15 20.92	-0.033	11	0.29	15.567	18	33.1	20.37	16	33.1	M J	12A	1748	A -15 1151
75		8.4T	43 21.013	0.0057	12	-15 4 7.49	-0.111	10	0.53	20.765	17	06.2	2.26	15	02.9	G5	GC	7213	-15 1152
76		8.6A	43 24.373	-0.0006	18	-15 6 15.22	0.013	13	0.32	24.383	18	33.1	15.44	16	33.1	M J	12A	1750	A -15 1153
77		8.3A	43 25.116	0.0007	17	-14 47 35.31	-0.043	12	0.30	25.104	18	33.1	34.58	16	33.1	G0 J	12A	1751	A -14 1228
78		8.0A	43 27.243	-0.0006	21	-15 53 15.39	-0.063	15	0.35	27.253	18	33.1	14.33	16	33.1	F5 J	12A	1752	A -15 1154
79		8.8A	43 31.917	-0.0001	21	-15 57 45.53	0.044	15	0.35	31.919	18	33.1	46.28	16	33.1	F5 J	12A	1753	A -16 1232
80		8.6A	43 33.323	0.0015	21	-17 26 7.38	0.003	15	0.35	33.298	18	33.1	7.43	16	33.1	K5 J	12A	1754	A -17 1235
81		8.9A	43 36.350	-0.0010	15	-10 42 10.83	-0.052	15	0.30	36.367	18	33.1	9.95	16	33.1	F8 J	11	1599	A -10 1275
82		8.3A	43 39.165	0.0010	13	-13 13 26.17	0.126	15	0.30	39.148	18	33.1	28.31	16	33.1	F8 J	11	1600	A -13 1239
83		9.0A	43 40.934	0.0044	21	-15 48 44.17	0.005	15	0.35	40.859	18	33.1	44.26	16	33.1	G0 J	12A	1755	A -15 1157
84		7.9A	43 42.578	-0.0024	17	-12 26 29.68	-0.016	18	0.34	42.618	18	33.1	29.41	16	33.1	K5 J	11	1601	A -12 1260
85		8.7A	43 48.881	-0.0017	21	-15 51 46.21	0.008	15	0.35	48.909	18	33.1	46.35	16	33.1	K0 J	12A	1756	A -15 1158
86		8.2A	43 50.227	-0.0018	18	-12 17 44.27	0.017	20	0.36	50.258	18	33.1	44.56	16	33.1	F0 J	11	1602	A -12 1261
87		8.8A	43 54.012	-0.0003	18	-13 39 36.50	0.009	20	0.36	54.017	18	33.1	36.65	16	33.1	A7 J	11	1603	A -13 1241
88		9.0A	43 54.196	-0.0007	21	-15 15 9.84	-0.001	15	0.35	54.208	18	33.1	9.62	16	33.1	A0 J	12A	1757	A -15 1159
89		8.6A	43 54.824	0.0005	17	-18 41 48.33	-0.021	12	0.30	54.815	18	33.1	47.97	16	33.1	G0 J	12B	1914	A -18 1181
90		8.6A	44 1.535	-0.0008	21	-15 58 15.19	0.010	15	0.35	1.548	18	33.1	15.36	16	33.1	K0 J	12A	1758	A -16 1235
91		8.7A	44 8.729	-0.0020	20	-12 49 37.55	0.002	20	0.37	8.764	18	33.1	37.59	16	33.1	F5 J	11	1605	A -12 1264
92		8.8A	44 9.218	-0.0017	17	-18 19 50.12	-0.006	12	0.30	9.246	18	33.1	50.02	16	33.1	A2 J	12B	1916	A -18 1182
93		8.2A	44 9.731	0.0034	18	-11 2 35.90	-0.016	20	0.36	9.673	18	33.1	35.63	16	33.1	K5 J	11	1604	A -11 1282
94		8.1A	44 12.263	0.0006	15	-12 44 48.08	-0.002	17	0.32	12.252	18	33.1	48.05	16	33.1	B9 J	11	1606	A -12 1265
95		9.2A	44 15.063	-0.0008	21	-16 46 32.23	-0.001	15	0.35	15.073	18	33.1	32.22	16	33.1	F8 J	12A	1759	A -16 1236
96		9.1A	44 17.934	-0.0001	15	-13 9 50.59	-0.031	17	0.32	17.935	18	33.1	50.08	16	33.1	K5 J	11	1607	A -13 1243
97		9.0A	44 22.293	-0.0007	17	-10 51 42.51	-0.020	18	0.34	22.306	18	33.1	42.17	16	33.1	F2 J	11	1608	A -10 1278
98		8.6A	44 22.752	0.0056	21	-14 59 49.69	-0.007	15	0.35	22.657	18	33.1	49.58	16	33.1	K7 J	12A	1760	A -15 1162
99		8.7A	44 29.081	-0.0011	17	-18 58 55.55	0.021	12	0.30	29.100	18	33.1	55.90	16	33.1	K0 J	12B	1920	A -19 1266
00		9.1A	44 41.172	-0.0014	18	-12 48 38.42	-0.013	20	0.36	41.196	18	33.1	38.20	16	33.1	F0 J	11	1610	A -12 1267

150800

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	EPOCH 1950 μ s	EPOCH 1950 σ_μ ″.001	EPOCH 1950 δ_{1950} ° ′ ″	EPOCH 1950 μ' ″	EPOCH 1950 $\sigma_{\mu'}$ ″.001	EPOCH 1950 σ_{1950} ″	ORIGINAL EPOCH α_2 s	ORIGINAL EPOCH σ ″.01	ORIGINAL EPOCH ep.	ORIGINAL EPOCH δ_2 ″	ORIGINAL EPOCH σ' ″.01	ORIGINAL EPOCH ep.	SP.		SOURCE CAT.	SOURCE STAR NUMBER	-10° 5H DM NUMBER
1		3.7M	5 44 41.296	-0.0016	01	-14 50 21.19	-0.003	02	0.06	41.360	03	11.0	21.06	03	12.2	A2		F4	219	-14 1232
2		9.0A	44 44.410	-0.0015	18	-18 6 19.74	-0.016	15	0.33	44.435	18	33.1	19.47	16	33.1	F2	J	12B	1924	A -18 1186
3		7.8A	44 44.692	0.0004	21	-16 39 48.71	-0.015	15	0.35	44.886	18	33.1	48.46	16	33.1	K0	J	12A	1763	A -16 1242
4		8.4A	44 45.024	-0.0013	18	-10 38 48.39	0.024	20	0.36	45.047	18	33.1	48.80	16	33.1	G0	J	11	1611	A -10 1279
5		8.6A	44 46.377	0.0004	21	-14 29 28.56	0.008	15	0.35	46.371	18	33.1	28.69	16	33.1	A0	J	12A	1762	A -14 1233
6		6.3T	44 53.454	-0.0028	14	-16 15 17.24	0.001	11	0.67	53.586	22	01.9	17.30	19	96.1	G0		GC	7250	-16 1244
7		8.5A	44 54.227	-0.0010	18	-16 25 28.14	-0.008	13	0.32	54.243	18	33.1	28.01	16	33.1	G5	J	12A	1766	A -16 1245
8		7.8A	44 55.454	-0.0005	15	-12 49 18.23	0.002	17	0.32	55.462	18	33.1	18.27	16	33.1	K2	J	11	1612	A -12 1288
9		8.5A	44 55.856	-0.0014	15	-18 11 9.65	0.002	12	0.29	55.880	18	33.1	9.69	16	33.1	B9	J	12B	1926	A -18 1187
10		8.2A	45 0.521	-0.0003	15	-13 4 25.58	0.018	17	0.32	0.525	18	33.1	25.90	16	33.1	A3	J	11	1613	A -13 1245
11		9.0A	45 3.006	0.0002	20	-11 24 53.32	-0.015	20	0.37	3.003	18	33.1	53.07	16	33.1	A2	J	11	1614	A -11 1287
12		9.3A	45 3.336	-0.0022	17	-11 31 6.26	0.051	18	0.34	3.373	18	33.1	7.13	16	33.1	F5	J	11	1615	A -11 1286
13		9.2A	45 4.187	0.0010	21	-16 7 32.12	-0.008	15	0.35	4.170	18	33.1	31.99	16	33.1	F5	J	12A	1768	A -16 1248
14		6.0T	45 5.513	-0.0024	16	-10 32 58.16	-0.026	13	0.74	5.628	24	02.9	56.87	22	99.8	A3		GC	7258	-10 1281
15		8.8A	45 7.389	0.0007	18	-15 28 4.23	-0.008	15	0.33	7.377	18	33.1	4.10	16	33.1	F5	J	12A	1769	A -15 1167
16		8.9A	45 9.045	-0.0001	17	-11 31 39.80	-0.015	18	0.34	9.046	18	33.1	39.55	16	33.1	K7	J	11	1617	A -11 1288
17		7.0A	45 11.940	0.0003	21	-15 16 9.09	-0.036	15	0.35	11.935	18	33.1	8.48	16	33.1	B9	J	12A	1770	A -15 1168
18		8.5A	45 18.888	-0.0001	00	-18 59 36.71	0.014	13	0.23	18.890	18	33.1	36.94	16	33.1	K0	J	12B	1927	A -19 1271
19		8.6A	45 34.368	-0.0010	17	-13 32 30.26	0.017	18	0.34	34.386	18	33.1	30.54	16	33.1	K2	J	11	1618	A -13 1249
20		8.8A	45 38.421	-0.0023	18	-18 37 52.14	0.003	13	0.32	38.460	18	33.1	52.19	16	33.1	F5	J	12B	1928	A -18 1190
21		9.1A	45 43.934	-0.0002	18	-13 10 17.95	-0.027	20	0.36	43.937	18	33.1	17.49	16	33.1	A0	J	11	1619	A -13 1251
22		8.8A	46 1.060	-0.0001	13	-18 18 37.03	-0.021	11	0.28	1.062	18	33.1	37.39	16	33.1	M0	J	12B	1932	A -18 1193
23		7.4T	9.660	0.0004	18	-13 22 27.66	-0.047	15	0.82	9.640	26	04.7	25.38	24	01.2	K0		GC	7288K	-13 1253
24		8.9A	12.205	0.0013	18	-13 40 10.71	-0.027	20	0.36	12.183	18	33.1	10.25	16	33.1	M0	J	11	1622	A -13 1254
25		7.8A	12.699	-0.0002	17	-11 22 6.77	-0.091	18	0.34	12.702	18	33.1	5.23	16	33.1	F5	J	11	1621	A -11 1291
26		8.9A	13.354	-0.0008	18	-19 2 17.02	0.007	13	0.32	13.367	18	33.1	17.14	16	33.1	A0	J	12B	1934	A -19 1276
27		8.9A	14.061	0.0006	17	-13 26 5.03	-0.031	18	0.34	14.051	18	33.1	4.52	16	33.1	K2	J	11	1624	A -13 1255
28		9.0A	17.521	0.0011	17	-13 4 6.54	-0.001	18	0.34	17.502	18	33.1	6.53	16	33.1	G0	J	11	1626	A -13 1256
29		8.4A	19.910	-0.0030	15	-10 17 8.03	0.043	17	0.32	19.960	18	33.1	8.76	16	33.1	F2	J	11	1625	A -10 1285
30		6.9T	22.858	-0.0028	15	-14 19 45.81	0.009	11	0.68	22.990	19	02.6	46.25	18	98.8	G5		GC	7296	-14 1243
31		8.8A	25.235	-0.0018	18	-13 20 56.07	-0.002	20	0.36	25.265	18	33.1	56.04	16	33.1	M1	J	11	1629	A -13 1258
32		8.9A	26.675	0.0007	18	-11 12 17.90	0.025	20	0.36	26.663	18	33.1	18.33	16	33.1	F5	J	11	1628	A -11 1293
33		8.6A	30.289	-0.0005	17	-12 20 56.22	-0.010	18	0.34	30.297	18	33.1	56.06	16	33.1	K5	J	11	1631	A -12 1276
34		8.8A	30.861	0.0011	18	-10 10 44.33	-0.034	20	0.36	30.842	18	33.1	44.91	16	33.1	K2	J	11	1630	A -10 1286
35		8.4A	39.314	0.0001	21	-16 36 58.38	-0.002	15	0.35	39.311	18	33.1	58.35	16	33.1	F8	J	12A	1772	A -16 1259
36		8.9A	42.519	-0.0004	17	-11 7 19.44	-0.014	18	0.34	42.527	18	33.1	19.20	16	33.1	F0	J	11	1632	A -11 1296
37		9.0A	46.062	-0.0002	17	-11 5 50.96	-0.016	18	0.34	46.066	18	33.1	50.69	16	33.1	A0	J	11	1633	A -11 1297
38		8.6A	54.000	-0.0017	18	-18 4 15.28	0.010	13	0.32	54.029	18	33.1	15.45	16	33.1	K2	J	12B	1940	A -18 1196
39		8.8A	54.505	0.0029	15	-10 18 49.91	0.025	17	0.32	54.455	18	33.1	50.33	16	33.1	K0	J	11	1634	A -10 1289
40		9.0A	54.720	0.0003	21	-14 56 12.27	-0.030	15	0.35	54.715	18	33.1	11.77	16	33.1	F2	J	12A	1773	A -15 1175
41		7.8A	2.251	0.0006	17	-19 24 51.89	0.013	12	0.30	2.242	18	33.1	52.11	16	33.1	A0	J	12B	1943	A -19 1278
42		8.5A	8.680	0.0009	15	-12 34 24.90	0.016	17	0.32	8.675	18	33.1	25.17	16	33.1	A0	J	11	1635	A -12 1290
43		8.6A	10.064	-0.0017	21	-17 35 40.68	0.081	15	0.35	10.092	18	33.1	42.06	16	33.1	K0	J	12A	1775	A -17 1253
44		8.8A	12.789	0.0006	17	-12 14 20.01	0.011	18	0.34	12.780	18	33.1	20.20	16	33.1	K5	J	11	1636	A -12 1281
45		5.6T	20.088	-0.0022	08	-14 29 49.33	-0.046	07	0.28	20.171	07	12.1	47.55	07	11.6	G5		GC	7315K	B#-14 1251
46		8.4A	22.659	-0.0013	18	-16 30 38.34	-0.003	13	0.32	22.682	18	33.1	38.30	16	33.1	A3	J	12A	1777	A -16 1263
47		9.1A	41.007	-0.0041	18	-16 25 23.93	-0.040	13	0.32	41.076	18	33.1	23.25	16	33.1	G0	J	12A	1779	A -16 1265
48		8.7A	41.309	-0.0001	15	-11 50 53.92	0.011	17	0.32	41.311	18	33.1	54.11	16	33.1	F8	J	11	1637	A -11 1299
49		8.6A	41.960	-0.0007	17	-14 36 59.73	0.029	15	0.32	41.972	18	33.1	* 0.22	16	33.1	M0	J	12A	1778	A -14 1252
50		8.9A	43.317	-0.0025	18	-18 40 46.41	0.034	13	0.32	43.359	18	33.1	46.98	16	33.1	K0	J	12B	1947	A -18 1204
51		7.3A	5 47 44.970	0.0004	18	-15 27 49.03	0.075	13	0.32	44.964	18	33.1	50.30	16	33.1	F5	J	12A	1780	A -15 1182
52		8.7A	47 56.936	0.0004	17	-18 17 42.16	0.020	12	0.30	56.929	18	33.1	42.50	16	33.1	F8	J	12B	1950	A -18 1206
53		9.2A	48 3.971	0.0002	17	-13 6 43.08	-0.028	18	0.34	3.967	18	33.1	42.61	16	33.1	K5	J	11	1638	A -13 1270
54		8.8A	48 6.893	-0.0023	21	-14 38 31.95	-0.044	15	0.35	6.933	18	33.1	31.21	16	33.1	F8	J	12A	1781	A -14 1255
55		9.0A	48 7.827	-0.0021	18	-17 56 58.37	0.006	15	0.33	7.862	18	33.1	58.47	16	33.1	A0	J	12B	1953	A -17 1260
56		8.4A	48 11.556	-0.0012	21	-15 30 52.67	0.008	15	0.35	11.577	18	33.1	52.81	16	33.1	M0	J	12A	1783	A -15 1185
57		8.6A	48 12.584	-0.0035	21	-16 13 4.49	-0.022	15	0.35	12.644	18	33.1	4.12	16	33.1	A5	J	12A	1784	A -16 1269
58		8.8A	48 12.817	-0.0013	15	-18 44 26.52	-0.026	12	0.29	12.839	18	33.1	26.08	16	33.1	M0	J	12B	1954	A -18 1207
59		9.0A	48 25.112	-0.0008	21	-16 0 58.36	-0.032	15	0.35	25.125	18	33.1	57.82	16	33.1	A5	J	12A	1786	A -16 1271
60		9.2A	48 26.169	-0.0013	17	-14 11 51.24	0.024	12	0.30	26.191	18	33.1	51.64	16	33.1	F0	J	12A	1785	A -14 1257
61		8.7A	48 28.159	-0.0023	18	-17 8 29.06	-0.018	13	0.32	28.198	18	33.1	29.37	16	33.1	K5	J	12A	1787	A -17 1263
62		9.1A	48 28.463	-0.0003	15	-10 12 44.66	0.012	17	0.32	28.468	18	33.1	44.87	16	33.1	F2	J	11	1639	A -10 1295
63		9.0A	48 36.464	0.0015	17	-13 23 17.43	-0.034	18	0.34	36.438	18	33.1	16.97	16	33.1	G0	J	11	1640	A -13 1272
64		8.9A	48 41.250	-0.0005	18	-18 37 26.12	-0.000	15	0.33	41.258	18	33.1	26.12	16	33.1	G5	J	12B	1957	A -18 1211
65		8.9A	48 49.488	-0.0009	17	-16 44 12.28	0.009	12	0.30	49.503	18	33.1	12.43	16	33.1	A2	J	12B	1958	A -18 1213
66		8.4A	48 51.986	0.0008	21	-14 7 15.46	-0.009	15	0.35	51.953	18	33.1	15.30	16	33.1	K5	J	12A	1788	A -14 1259
67		9.0A	48 52.516	0.0010	21	-15 59 27.47	0.025	15	0.35	52.498	18	33.1	27.90	16	33.1	A2	J	12A	1789	A -16 1274
68		9.2A	48 57.126	0.0025	21	-15 59 51.51	0.075	15	0.35	57.084	18	33.1	52.78	16	33.1	G0	J	12A	1790	A -16 1275
69		7.1T	49 1.730	0.0002	17	-11 39 29.60	-0.009	15	0.73	1.720	22	07.2	29.22	21	05.9	B9		GC	7357K	B#-11 1304
70		8.9A	49 3.660	-0.0008	12	-10 1 49.69	-0.033	12	0.25	3.673	16	33.9	49.16	16	33.9	A5		16	1662	A -10 1300
71		8.8A	49 11.031	-0.0003	17	-12 47 36.67	-0.059	18	0.34	11.035	18	33.1	35.68	16	33.1	M1	J	11	1644	A -12 1291
72		9.4A	49 12.648	0.0028	21	-14 38 31.60	-0.060	15	0.35	12.600	18	33.1	30.59	16	33.1	G0	J	12A	1791	A -14 1261
73		8.5A	49 15.346	-0.0031	20	-17 54 49.14	0.009	15	0.34	15.398	18	33.1	49.30	16	33.1	A0	J	12B	1961	A -17 1267
74		8.4A	49 18.079	0.0014	21	-13 48 57.50	-0.046	15	0.35	18.056	18	33.1	56.71	16	33.1	K5	J	12A	1792	A -13 1281
75		8.8A	49 19.830	-0.0014	18	-19 5 41.33	-0.003	13	0.32	19.853	18	33.1	41.28	16	33.1	G5	J	12B	1963	A -19 1286
76		8.8A	49 23.758	0.0011	21	-13 54 34.99	0.005	15	0.35	23.739	18	33.1	35.07	16	33.1	F5	J	12A	1794	A -13 1282
77		8.0A	49 23.806	-0.0008	15	-10 28 52.70	-0.006	17	0.32	23.820	18	33.1	52.60	16	33.1	K5	J	11	1646	A -10 1303
78		8.8A	49 24.783	-0.0010	21	-14 55 22.88	-0.007	15	0.35	24.800	18	33.1	22.77	16	33.1	K7	J	12A	1795	A -14 1262
79		8.7A	49 26.033	0.0025	18	-12 1 45.72	0.022	20	0.36	25.991	18	33.1	46.10	16	33.1	F8	J	11	1647	A -12 1292
80		8.9A	49 33.529	-0.0001	18	-18 45 53.09	-0.017	13	0.32	33.531	18	33.1	52.80	16	33.1	K2	J	12B	1966	A -18 1215
81		9.2A	49 34.126	0.0002	13	-10 5 45.38	0.012	13	0.27	34.123	16	33.9	45.57	16	33.9	A2		16	1667	A -10 1305
82		7.7A	49 37.977	-0.0010	15	-19 23 54.56	0.021	11	0.28	37.994	18	33.1	54.91	16	33.1	K5	J	12B	1968	A -19 1287
83		8.4A	49 38.760	-0.0004	15	-11 22 0.31	0.022	17	0.32	38.767	18	33.1	0.69	16	33.1	A0	J	11	1651	A -11 1305
84		7.2T	49 46.102	-0.0040	13	-15 31 2.05	0.022	10	0.59	46.284	21	03.9	3.18	18	99.0	A0		GC	7379	-15 1193
85		8.8A	49 47.422	-0.0013	21	-17 1 21.02	0.018	15	0.35	47.443	18	33.1	21.33	16	33.1	F2	J	12A	1797	A -17 1269
86		9.1A	49 54.616	0.0023	15	-11 56 18.92	-0.003	15	0.30	54.578	18	33.1	18.87	16	33.1	G0	J	11	1652	A -11 1308
87		8.4A	49 58.923	-0.0010	21	-17 33 54.49	0.104	15	0.35	58.940	18	33.1	56.25	16	33.1	G5	J	12A	1799	A -17 1271
88		8.0A	50 0.136	0.0004	21	-14 48 11.32	0.002	15	0.35	0.129	18	33.1	11.36	16	33.1	K2	J	12A	1798	A -14 1266
89		8.8A	50 1.853	0.0009	21	-15 58 58.48	0.017	15	0.35	1.838	18	33.1	58.77	16	33.1	M0	J	12A	1800	A -16 1264
90		7.4A	50 1.977	-0.0011	17	-19 3 52.95	0.007	12	0.30	1.996	18	33.1	53.07	16	33.1	K0	J	12B	1969	A -19 1289
91		9.1A	50 3.922	0.0014	18	-13 14 30.20	-0.034	20	0.36	3.897	18	33.1	29.62	16	33.1	A0	J	11	1653	A -13 1285
92		9.2A	50 10.717	0.0007	21	-17 38 1.03	-0.005	15	0.35	10.705	18	33.1	0.95	16	33.1	F0	J	12A	1801	A -17 1272
93		9.1A	50 13.129	-0.0003	18	-15 51 21.61	0.010	13	0.32	13.135	18	33.1	21.78	16	33.1	G0	J	12A	1802	A -15 1198
94		9.1A	50 14.178	-0.0000	15	-13 37 37.67	0.008	17	0.32	14.177	18	33.1	37.60	16	33.1	B9	J	11	1654	A -13 1287
95		8.2Q	50 14.225	-0.0032	13	-15 33 32.04	-0.017	12	0.57	14.358	19	07.7	31.29	19	05.6	A2		GC	7392	-15 1199
96		7.8A	50 16.046	-0.0015	21	-14 34 2.36	0.019	15	0.35	16.072	18	33.1	2.69	16	33.1	G5	J	12A	1804	A -14 1267
97		8.2T	50 19.441	-0.0018	13	-12 46 42.28	0.020	12	0.59	19.518	19	06.2	43.22	19	03.4	F8		GC	7394	-12 1296
98		8.6A	50 22.734	0.0011	21	-15 29 6.22	0.002	15	0.35	22.715	18	33.1	6.26	16	33.1	A2	J	12A	1805	A -15 1200
99		8.8A	50 23.589	0.0014	21	-15 9 41.29	0.006	15	0.35	23.565	18	33.1	41.39	16	33.1	F2	J	12A	1806	A -15 1201
00		9.2A	50 26.777	-0.0019	17	-12 11 44.44	-0.062	18	0.34	26.809	18	33.1	43.39	16	33.1	F8	J	11	1656	A -12 1297

150900

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	EPOCH 1950 μ s	EPOCH 1950 σ_μ ″.001	EPOCH 1950 δ_{1950} ° ′ ″	EPOCH 1950 μ' ″	EPOCH 1950 $\sigma_{\mu'}$ ″.001	EPOCH 1950 σ_{1950} ″	ORIGINAL EPOCH α_2 s	ORIGINAL EPOCH σ ″.01	ORIGINAL EPOCH ep.	ORIGINAL EPOCH δ_2 ″	ORIGINAL EPOCH σ' ″.01	ORIGINAL EPOCH ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	-10° 5H DM NUMBER
1		8.9A	5 50 27.216	-0.0011	21	-15 32 9.85	-0.017	15	0.35	27.235	18	33.1	9.57	16	33.1	G0 J	12A	1807	A -15 1202
2		9.2A	50 33.258	-0.0058	21	-16 40 6.85	-0.031	15	0.35	33.356	18	33.1	6.33	16	33.1	G0 J	12A	1808	A -16 1288
3		9.3A	50 35.916	0.0010	13	-11 56 31.02	-0.017	15	0.30	35.898	18	33.1	30.73	16	33.1	F0 J	11	1657	A -11 1312
4		9.1A	50 39.878	-0.0018	21	-15 5 7.96	-0.003	15	0.35	39.909	18	33.1	7.91	16	33.1	K7 J	12A	1809	A -15 1203
5		8.8A	50 45.125	-0.0002	17	-12 38 42.33	0.006	18	0.34	45.128	18	33.1	42.44	16	33.1	A5 J	11	1658	A -12 1299
6		9.3A	50 50.001	-0.0020	21	-16 43 30.08	0.004	15	0.35	50.035	18	33.1	30.15	16	33.1	A0 J	12A	1810	A -16 1289
7		9.1A	50 50.370	-0.0028	13	-12 3 8.46	0.014	15	0.30	50.418	18	33.1	8.70	16	33.1	A2 J	11	1659	A -12 1301
8		8.9A	50 51.005	0.0001	17	-12 18 27.20	0.001	18	0.34	51.003	18	33.1	27.22	16	33.1	A0 J	11	1661	A -12 1302
9		8.2A	50 51.181	0.0006	15	-11 36 53.22	0.091	17	0.32	51.171	18	33.1	54.76	16	33.1	F8 J	11	1660	A -11 1315
10		9.2A	50 55.347	-0.0024	15	-10 42 9.17	0.032	15	0.30	55.387	18	33.1	9.71	16	33.1	F2 J	11	1662	A -10 1308
11		8.9A	50 55.902	-0.0003	15	-12 50 15.71	0.028	15	0.30	55.906	18	33.1	16.19	16	33.1	K7 J	11	1663	A -12 1303
12		9.0A	50 56.350	-0.0007	17	-16 2 52.64	0.011	12	0.30	56.362	18	33.1	52.83	16	33.1	F8 J	12B	1974	A -18 1219
13		9.1A	51 0.100	-0.0011	12	-19 53 31.25	-0.015	09	0.23	0.118	16	33.5	31.01	16	33.5	F5 J	13A	1975	A -19 1291
14		8.6A	51 0.628	0.0063	21	-17 46 57.00	-0.100	15	0.35	0.521	18	33.1	55.31	16	33.1	G5 J	12A	1812	A -17 1277
15		8.9A	51 4.277	-0.0008	15	-10 41 15.89	0.019	17	0.32	4.290	18	33.1	16.21	16	33.1	A0 J	11	1664	A -10 1309
16		9.3A	51 8.943	-0.0001	18	-16 0 11.98	0.010	13	0.32	8.944	18	33.1	12.15	16	33.1	A2 J	12A	1813	A -16 1290
17		8.9A	51 9.924	0.0010	21	-16 18 15.30	-0.046	15	0.35	9.907	18	33.1	14.53	16	33.1	F5 J	12A	1814	A -16 1291
18		8.8A	51 12.477	-0.0008	21	-17 16 27.32	0.023	15	0.35	12.490	18	33.1	27.71	16	33.1	K0 J	12A	1815	A -17 1278
19		8.0A	51 16.772	-0.0032	21	-16 16 23.21	-0.115	15	0.35	16.826	18	33.1	21.27	16	33.1	G0 J	12A	1816	A -16 1292
20		8.4A	51 21.131	-0.0009	21	-15 28 19.35	0.001	15	0.35	21.147	18	33.1	19.37	16	33.1	A0 J	12A	1817	A -15 1208
21		8.3A	51 21.247	-0.0018	21	-16 1 1.53	-0.006	15	0.35	21.277	18	33.1	1.43	16	33.1	K0 J	12A	1818	A -16 1294
22		7.5A	51 35.467	-0.0009	15	-12 24 11.18	0.036	17	0.32	35.483	18	33.1	11.79	16	33.1	K0 J	11	1666	A -12 1304
23		8.8A	51 38.633	-0.0000	17	-16 9 23.11	0.003	12	0.30	38.634	18	33.1	23.17	16	33.1	G5 J	12B	1980	A -16 1226
24		7.8A	51 41.842	0.0007	17	-14 8 10.06	0.047	12	0.30	41.830	18	33.1	10.85	16	33.1	K0 J	12A	1819	A -14 1272
25		6.5T	51 47.610	-0.0022	15	-19 38 49.24	0.003	13	0.70	47.716	15	02.5	49.40	17	01.0	A0	GC	7429	-19 1293
26		8.6A	51 56.738	0.0012	21	-17 6 48.79	0.072	15	0.35	56.717	18	33.1	50.01	16	33.1	F5 J	12A	1821	A -17 1281
27		7.1A	52 8.761	-0.0001	18	-15 44 24.72	-0.009	13	0.32	8.763	18	33.1	24.57	16	33.1	B9 J	12A	1822	A -15 1212
28		8.3A	52 15.894	-0.0020	18	-17 46 45.36	0.021	13	0.32	15.928	18	33.1	45.72	16	33.1	K0 J	12A	1823	A -17 1284
29		8.6A	52 17.349	0.0009	15	-11 49 50.40	0.007	17	0.32	17.334	18	33.1	50.52	16	33.1	A2 J	11	1668	A -11 1320
30		8.8A	52 19.234	-0.0008	18	-17 42 59.33	-0.043	13	0.32	19.247	18	33.1	58.61	16	33.1	K0 J	12A	1824	A -17 1285
31		7.9A	52 19.957	0.0052	18	-19 42 43.59	-0.031	13	0.32	19.868	18	33.1	43.07	16	33.1	G5 J	12B	1984	A -19 1297
32		5.8T	52 23.517	0.0040	10	-11 46 56.49	0.038	08	0.39	23.360	12	11.1	58.08	14	08.4	K2	GC	7449	B*-11 1321
33		8.5A	52 29.934	-0.0008	13	-18 52 2.31	0.001	11	0.26	29.948	18	33.1	2.32	16	33.1	F0 J	12B	1985	A -18 1228
34		9.0A	52 35.686	-0.0015	15	-11 19 31.20	0.011	15	0.30	35.712	18	33.1	31.39	16	33.1	A2 J	11	1670	A -11 1323
35		7.6A	52 39.117	-0.0036	17	-12 56 45.52	-0.080	18	0.34	39.178	18	33.1	44.17	16	33.1	F8 J	11	1671	A -12 1310
36		8.4A	52 50.832	-0.0012	18	-16 58 44.20	-0.006	13	0.32	50.853	18	33.1	44.10	16	33.1	G0 J	12A	1826	A -17 1288
37		8.5A	52 53.128	0.0028	17	-13 59 22.62	-0.014	12	0.30	53.080	18	33.1	22.38	16	33.1	K0 J	12A	1825	A -14 1277
38		9.4A	53 1.277	-0.0012	18	-15 28 45.68	-0.022	13	0.32	1.297	18	33.1	45.31	16	33.1	K5 J	12A	1827	A -15 1215
39		9.2A	53 21.331	-0.0009	21	-15 30 0.75	0.036	15	0.35	21.346	18	33.1	1.36	16	33.1	F8 J	12A	1828	A -15 1216
40		7.7A	53 24.356	0.0003	17	-18 58 0.64	-0.023	12	0.30	24.351	18	33.1	0.25	16	33.1	K0 J	12B	1988	A -18 1235
41		8.4A	53 30.266	-0.0037	17	-11 39 47.26	0.061	18	0.34	30.328	18	33.1	48.30	16	33.1	F8 J	11	1677	A -11 1326
42		8.5A	53 31.092	0.0014	21	-15 11 29.85	0.008	15	0.35	31.068	18	33.1	29.98	16	33.1	A3 J	12A	1829	A -15 1217
43		8.8A	53 31.826	-0.0001	18	-18 0 57.29	-0.023	13	0.32	31.828	18	33.1	56.91	16	33.1	G5 J	12B	1990	A -18 1236
44		9.0A	53 32.211	-0.0022	18	-11 55 37.41	-0.019	20	0.36	32.249	18	33.1	37.09	16	33.1	A5 J	11	1678	A -11 1327
45		8.7A	53 32.626	-0.0005	18	-16 49 16.76	0.011	13	0.32	32.634	18	33.1	16.95	16	33.1	G5 J	12A	1830	A -16 1301
46		8.9A	53 41.273	-0.0017	13	-10 6 32.43	-0.013	13	0.27	41.302	16	33.5	32.21	16	33.5	A0	16	1697	A -10 1319
47		7.9A	53 43.003	-0.0012	21	-15 54 50.31	0.014	15	0.35	43.023	18	33.1	50.55	16	33.1	K2 J	12A	1832	A -15 1219
48		8.8A	53 43.863	-0.0006	17	-19 9 59.34	-0.024	12	0.30	43.874	18	33.1	58.93	16	33.1	A3 J	12B	1991	A -19 1301
49		8.7A	53 46.936	-0.0006	15	-11 41 1.80	-0.018	17	0.32	46.955	18	33.1	1.50	16	33.1	A2 J	11	1680	A -11 1328
50		8.1A	53 47.972	-0.0012	15	-13 8 29.66	0.000	17	0.32	47.992	18	33.1	29.66	16	33.1	B9 J	11	1682	A -13 1305
51		9.0A	5 53 48.969	0.0029	18	-11 57 22.68	0.006	20	0.36	48.919	18	33.1	22.78	16	33.1	A0 J	11	1681	A -11 1329
52		8.6A	53 49.004	-0.0023	21	-15 25 37.73	0.005	15	0.35	49.042	18	33.1	37.81	16	33.1	G0 J	12A	1833	A -15 1220
53		7.8A	53 54.330	-0.0017	21	-15 31 41.85	0.034	15	0.35	54.359	18	33.1	42.43	16	33.1	G5 J	12A	1834	A -15 1221
54		8.5A	53 55.018	0.0003	18	-17 53 10.96	-0.010	13	0.32	55.013	18	33.1	10.79	16	33.1	K0 J	12B	1993	A -17 1298
55		8.3A	53 58.246	-0.0019	21	-16 43 51.73	-0.014	15	0.35	58.278	18	33.1	51.50	16	33.1	A0 J	12A	1836	A -16 1302
56		8.2A	54 4.502	-0.0020	17	-17 14 44.02	0.007	12	0.30	4.535	18	33.1	44.14	16	33.1	F0 J	12A	1838	A -17 1300
57		3.8H	54 7.554	-0.0034	01	-14 10 31.67	0.136	01	0.06	7.671	03	15.7	36.62	03	13.6	F0	F4	226	-14 1286
58		8.0A	54 7.896	-0.0007	18	-11 16 59.40	-0.062	20	0.36	7.907	18	33.1	58.35	16	33.1	K2 J	11	1684	A -11 1330
59		8.8A	54 11.995	-0.0005	18	-17 50 23.92	0.011	15	0.33	12.004	18	33.1	24.11	16	33.1	B8 J	12B	1998	A -17 1303
60		8.5A	54 13.274	-0.0013	20	-10 39 15.55	0.019	20	0.37	13.295	18	33.1	15.87	16	33.1	A0 J	11	1685	A -10 1321
61		9.0A	54 13.942	-0.0052	17	-17 17 16.67	-0.038	12	0.30	14.030	18	33.1	16.03	16	33.1	G0 J	12A	1840	A -17 1302
62		7.8A	54 25.932	0.0014	18	-13 9 48.94	-0.008	20	0.36	25.907	18	33.1	48.81	16	33.1	F8 J	11	1686	A -13 1306
63		8.7A	54 28.044	-0.0021	20	-11 46 2.53	0.002	20	0.37	28.080	18	33.1	2.57	16	33.1	G5 J	11	1687	A -11 1333
64		8.8A	54 30.776	-0.0008	18	-10 7 28.39	-0.008	20	0.36	30.790	18	33.1	28.25	16	33.1	A2 J	11	1688	A -10 1323
65		8.5A	54 33.912	-0.0007	18	-18 17 53.89	-0.023	15	0.33	33.925	18	33.1	53.51	16	33.1	A2 J	12B	2005	A -18 1240
66		8.4A	54 42.213	0.0041	18	-10 51 33.40	-0.036	20	0.36	42.144	18	33.1	32.79	16	33.1	K0 J	11	1690	A -10 1325
67		8.7A	54 45.106	-0.0007	18	-13 52 42.56	-0.090	13	0.32	45.118	18	33.1	41.03	16	33.1	G0 J	12A	1841	A -13 1310
68		8.6A	54 54.364	-0.0022	17	-19 13 28.15	-0.023	12	0.30	54.401	18	33.1	27.76	16	33.1	F5 J	12B	2008	A -19 1309
69		8.9A	55 7.325	0.0008	17	-10 49 39.62	-0.023	18	0.34	7.311	18	33.1	40.01	16	33.1	F8 J	11	1692	A -10 1327
70		8.7A	55 8.415	-0.0032	15	-12 58 1.10	-0.014	17	0.32	8.469	18	33.1	0.86	16	33.1	F5 J	11	1693	A -12 1319
71		9.3A	55 21.216	-0.0033	21	-17 7 17.98	-0.013	15	0.35	21.273	18	33.1	17.77	16	33.1	F2 J	12A	1842	A -17 1309
72		6.9T	55 21.408	-0.0007	11	-18 3 34.51	-0.007	08	0.39	21.436	10	12.5	34.26	09	11.6	F5	GC	7519	-18 1247
73		6.9T	55 24.296	-0.0000	11	-15 24 38.02	-0.007	13	0.66	24.298	24	98.0	37.67	22	99.9	B8	GC	7520	-15 1226
74		8.4A	55 30.087	-0.0006	15	-14 12 48.73	0.006	17	0.32	30.098	18	33.1	48.83	16	33.1	K2 J	11	1694	A -14 1292
75		8.6A	55 30.356	0.0008	18	-15 44 37.96	0.073	13	0.32	30.343	18	33.1	39.20	16	33.1	G0 J	12A	1846	A -15 1227
76		9.6A	55 32.898	-0.0082	18	-14 12 52.20	-0.003	20	0.36	33.037	18	33.1	52.14	16	33.1		11	1695	
77		7.8A	55 34.016	-0.0026	17	-19 23 26.40	-0.032	12	0.30	34.061	18	33.1	25.85	16	33.1	K2 J	12B	2011	A -19 1314
78		9.0A	55 37.627	-0.0004	21	-15 34 5.74	0.023	15	0.35	37.634	18	33.1	6.13	16	33.1	K5 J	12A	1847	A -15 1228
79		8.6A	55 39.530	-0.0007	18	-15 43 36.13	-0.011	13	0.32	39.541	18	33.1	35.95	16	33.1	G5 J	12A	1848	A -15 1229
80		8.7A	55 43.759	-0.0003	17	-12 48 40.56	-0.007	18	0.34	43.765	18	33.1	40.44	16	33.1	K0 J	11	1696	A -12 1324
81		8.7A	55 54.651	-0.0015	15	-12 10 35.87	0.021	17	0.32	54.676	18	33.1	36.23	16	33.1	F0 J	11	1697	A -12 1325
82		8.6A	55 59.512	-0.0008	18	-10 52 41.02	-0.008	20	0.36	59.526	18	33.1	40.89	16	33.1	K0 J	11	1698	A -10 1331
83		8.5A	55 59.570	0.0029	18	-15 26 12.40	-0.007	13	0.32	59.521	18	33.1	12.28	16	33.1	A	12A	1849	A -15 1230
84		8.8A	56 0.011	0.0001	18	-18 47 27.06	0.015	13	0.32	0.009	18	33.1	27.31	16	33.1	G5 J	12B	2015	A -18 1253
85		8.5A	56 0.476	0.0026	21	-15 25 29.07	-0.021	15	0.35	0.431	18	33.1	28.72	16	33.1	A J	12A	1850	A -15 1231
86		8.7A	56 2.744	0.0004	13	-17 59 26.05	0.007	11	0.26	2.737	18	33.1	26.17	16	33.1	K0 J	12B	2016	A -18 1254
87		9.3A	56 3.096	-0.0018	17	-12 47 16.14	-0.037	18	0.34	3.127	18	33.1	15.52	16	33.1	G5 J	11	1699	A -12 1327
88		8.1A	56 9.961	-0.0038	18	-10 50 35.35	-0.040	20	0.36	10.025	18	33.1	34.67	16	33.1	B9 J	11	1700	A -10 1332
89		8.8A	56 16.865	-0.0002	15	-11 2 48.49	0.009	15	0.30	16.668	18	33.1	48.65	16	33.1	A0 J	11	1701	A -11 1345
90		8.8A	56 27.080	-0.0023	15	-11 15 56.08	0.004	15	0.30	27.119	18	33.1	56.15	16	33.1	A2 J	11	1702	A -11 1346
91		8.4A	56 33.441	0.0023	17	-14 12 33.59	-0.008	12	0.30	33.402	18	33.1	33.45	16	33.1	K0 J	12A	1852	A -14 1297
92		8.7A	56 41.488	-0.0006	15	-19 4 29.18	0.032	11	0.28	41.498	18	33.1	29.72	16	33.1	G5 J	12B	2020	A -19 1318
93		9.0A	56 52.426	-0.0016	13	-12 19 59.28	-0.035	15	0.30	52.452	18	33.1	58.69	16	33.1	G0 J	11	1703	A -12 1330
94		7.3T	57 3.533	-0.0012	18	-12 50 15.73	0.010	18	0.87	3.586	26	04.7	16.20	24	03.7	K2	GC	7570	-12 1332
95		8.8A	57 4.129	0.0040	18	-17 54 17.39	0.188	13	0.32	4.061	18	33.1	29.03	16	33.1	G0 J	12B	2023	A -17 1319
96		8.1A	57 7.065	0.0000	15	-12 42 11.27	0.043	17	0.32	7.065	18	33.1	12.01	16	33.1	A5 J	11	1705	A -12 1333
97		9.2A	57 12.272	-0.0000	21	-17 4 52.34	-0.008	15	0.35	12.272	18	33.1	52.21	16	33.1	A0 J	12A	1854	A -17 1320
98		8.5A	57 16.213	-0.0005	13	-11 41 39.16	0.021	13	0.28	16.222	18	33.1	39.52	16	33.1	F5 J	11	1706	A -11 1349
99		8.8A	57 19.895	-0.0014	21	-15 21 35.83	-0.015	15	0.35	19.918	18	33.1	35.58	16	33.1	G5 J	12A	1855	A -15 1236
00		9.0A	57 20.030	-0.0017	21	-16 47 9.79	0.010	15	0.35	20.058	18	33.1	9.97	16	33.1	G0 J	12A	1856	A -16 1319

151000

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	-10° 5H DM NUMBER
1		9.0A	5 57 23.396	0.0019	17	-11 39 22.75	0.071	18	0.34	23.364	18	33.1	23.96	16	33.1	F8 J	11	1707	A -11 1351
2		7.6A	57 23.724	-0.0039	21	-16 47 17.64	0.001	15	0.35	23.790	18	33.1	17.66	16	33.1	F2 J	12A	1858	A -16 1320
3		8.5A	57 26.308	0.0017	17	-14 42 37.85	-0.006	12	0.30	26.280	18	33.1	37.75	16	33.1	B9 J	12A	1857	A -14 1300
4		7.9A	57 31.035	0.0006	18	-15 48 22.45	-0.002	13	0.32	31.024	18	33.1	22.42	16	33.1	A2 J	12A	1859	A -15 1238
5		8.6A	57 34.326	-0.0015	21	-17 4 58.15	-0.017	15	0.35	34.352	18	33.1	57.87	16	33.1	K2 J	12A	1860	A -17 1321
6		8.6A	57 45.792	-0.0001	21	-13 57 49.17	0.011	15	0.35	45.794	18	33.1	49.35	16	33.1	A0 J	12A	1861	A -13 1316
7		8.8A	57 46.497	-0.0016	17	-18 29 59.16	0.018	12	0.30	46.524	18	33.1	59.47	16	33.1	F2 J	12B	2028	A -18 1282
8		8.2A	57 47.348	-0.0024	21	-15 4 2.12	0.005	15	0.35	47.389	18	33.1	2.21	16	33.1	A2 J	12A	1862	A -15 1239
9		8.7A	57 50.776	-0.0009	13	-19 50 58.56	-0.021	11	0.25	50.791	16	33.5	58.22	16	33.5	F2 J	13A	2030	A -19 1323
10		8.4A	57 58.280	-0.0009	21	-14 10 38.88	0.018	15	0.35	58.296	18	33.1	39.18	16	33.1	G0 J	12A	1863	A -14 1302
11		6.3T	57 59.234	-0.0009	09	-12 54 0.95	-0.041	08	0.30	59.282	10	17.2	-59.50	12	14.3	F0	GC	7601	-12 1337
12		8.8A	58 4.946	-0.0018	21	-14 1 0.83	-0.007	15	0.35	4.977	18	33.1	0.71	16	33.1	A0 J	12A	1864	A -14 1304
13		9.7A	58 5.868	-0.0003	18	-12 52 40.10	-0.026	20	0.36	5.872	18	33.1	39.67	16	33.1	F5 J	11	1712	A -12 1338
14		7.8A	58 11.300	-0.0031	13	-12 10 11.03	-0.045	15	0.30	11.353	18	33.1	10.27	16	33.1	F2 J	11	1714	A -12 1340
15		9.8A	58 16.109	-0.0006	21	-12 56 24.12	-0.036	22	0.41	16.119	18	33.1	23.51	16	33.1	A J	11	1715	A -12 1341
16		8.7A	58 19.630	-0.0031	12	-10 1 39.33	0.018	12	0.25	19.681	16	33.5	39.63	16	33.5	MA	16	1730	A -10 1341
17		8.6A	58 22.910	-0.0011	15	-10 10 54.00	-0.003	17	0.32	22.928	18	33.1	53.95	16	33.1	F0 J	11	1717	A -10 1343
18		8.7A	58 24.674	-0.0051	15	-13 16 45.81	0.090	17	0.32	24.759	18	33.1	47.34	16	33.1	G0 J	11	1718	A -13 1318
19		7.3A	58 32.019	-0.0018	21	-15 0 11.99	-0.002	15	0.35	32.050	18	33.1	12.03	16	33.1	G5 J	12A	1865	A -15 1242
20		9.0A	58 34.457	0.0012	15	-13 12 23.60	0.018	17	0.32	34.437	18	33.1	23.91	16	33.1	K2 J	11	1719	A -13 1319
21		9.2A	58 39.902	0.0000	21	-15 43 4.80	-0.003	15	0.35	39.902	18	33.1	4.75	16	33.1	M J	12A	1866	A -15 1243
22		8.9A	58 40.404	-0.0001	12	-10 3 47.77	-0.010	12	0.25	40.406	16	33.5	47.61	16	33.5	B9	16	1732	A -10 1344
23		8.7A	58 48.545	-0.0014	21	-14 31 22.77	-0.011	15	0.35	48.569	18	33.1	22.59	16	33.1	A3 J	12A	1868	A -14 1307
24		8.7A	58 52.458	0.0001	15	-11 42 13.89	0.002	17	0.32	52.457	18	33.1	13.93	16	33.1	G0 J	11	1721	A -11 1357
25		8.9A	58 55.893	0.0005	15	-10 40 40.63	0.032	17	0.32	55.885	18	33.1	41.18	16	33.1	G0 J	11	1722	A -10 1345
26		8.5A	58 59.442	-0.0015	21	-17 30 18.59	0.012	15	0.35	59.467	18	33.1	18.80	16	33.1	A3 J	12A	1870	A -17 1327
27		8.1A	59 2.039	-0.0007	17	-13 1 35.27	0.026	18	0.34	2.050	18	33.1	35.71	16	33.1	K0 J	11	1725	A -13 1321
28		9.0A	59 4.643	0.0016	18	-10 4 27.51	-0.005	20	0.36	4.615	18	33.1	27.43	16	33.1	K5 J	11	1724	A -10 1346
29		8.3A	59 14.397	0.0000	21	-15 32 13.51	0.082	15	0.35	14.397	18	33.1	14.90	16	33.1	K0 J	12A	1871	A -15 1248
30		8.9A	59 16.783	0.0006	15	-11 2 17.01	0.043	15	0.30	16.772	18	33.1	17.74	16	33.1	G5 J	11	1726	A -11 1359
31		8.7A	59 17.764	-0.0005	17	-18 17 17.24	-0.018	12	0.30	17.773	18	33.1	16.94	16	33.1	A0 J	12B	2039	A -18 1289
32		7.5A	59 20.054	-0.0006	21	-16 23 53.79	0.002	15	0.35	20.063	18	33.1	53.83	16	33.1	K0 J	12A	1872	A -16 1333
33		6.8T	59 24.005	-0.0033	16	-15 35 18.58	-0.013	13	0.75	24.158	24	02.9	17.92	21	98.4	K0	GC	7629	-15 1249
34		8.4A	59 25.058	-0.0018	15	-12 1 39.65	0.007	17	0.32	25.088	18	33.1	39.77	16	33.1	A5 J	11	1727	A -12 1347
35		9.1A	59 25.955	-0.0030	18	-17 18 2.10	0.002	13	0.32	26.006	18	33.1	2.14	16	33.1	A2 J	12A	1874	A -17 1329
36		8.8A	59 29.038	0.0021	15	-13 2 52.90	-0.009	17	0.32	29.003	18	33.1	52.76	16	33.1	A0 J	11	1729	A -13 1324
37		5.0T	59 29.204	-0.0009	04	-10 35 49.89	-0.002	04	0.23	29.245	10	00.9	49.80	10	94.5	B8	GC	7631K	B*-10 1349
38		8.6A	59 32.414	-0.0039	17	-18 3 37.35	0.017	12	0.30	32.480	18	33.1	37.64	16	33.1	G5 J	12B	2042	A -18 1270
39		8.4A	59 38.139	0.0011	17	-18 31 3.34	-0.009	12	0.30	38.121	18	33.1	3.18	16	33.1	K2 J	12B	2043	A -18 1272
40		8.8A	59 38.453	-0.0018	15	-12 30 43.35	0.038	15	0.30	38.483	18	33.1	44.00	16	33.1	F5 J	11	1730	A -12 1348
41		9.0A	59 47.045	0.0009	21	-16 46 43.05	0.006	15	0.35	47.029	18	33.1	43.16	16	33.1	G5 J	12A	1876	A -16 1337
42		9.1A	59 52.535	0.0005	15	-10 43 17.52	0.018	17	0.32	52.527	18	33.1	17.83	16	33.1	F8 J	11	1731	A -10 1352
43		8.3A	59 56.083	-0.0004	15	-13 1 54.50	-0.006	15	0.30	56.098	18	33.1	54.60	16	33.1	K0 J	11	1732	A -13 1327
44		8.8A	59 59.880	-0.0039	21	-15 41 58.19	-0.014	15	0.35	59.956	18	33.1	57.96	16	33.1	A5 J	12A	1877	A -15 1253
45		8.3A	6 0 1.842	-0.0006	18	-19 41 23.58	-0.022	13	0.32	1.852	18	33.1	23.21	16	33.1	A0 J	12B	2046	A -19 1329
46		8.8A	0 3.558	-0.0014	18	-12 43 53.01	-0.019	20	0.36	3.582	18	33.1	52.70	16	33.1	G0 J	11	1733	A -12 1353
47		8.8A	0 5.081	-0.0014	18	-13 11 5.24	0.019	20	0.36	5.104	18	33.1	5.57	16	33.1	A0 J	11	1734	A -13 1329
48		8.2A	0 12.084	-0.0010	17	-18 33 55.30	-0.051	12	0.30	12.101	18	33.1	54.43	16	33.1	G5 J	12B	2048	A -18 1276
49		9.1A	0 15.065	-0.0014	17	-10 25 33.30	-0.022	18	0.34	15.089	18	33.1	32.93	16	33.1	F8 J	11	1735K	A -10 1355
50		8.4A	0 16.100	-0.0035	13	-12 57 5.59	-0.002	15	0.30	16.160	18	33.1	5.56	16	33.1	A3 J	11	1736	A -12 1357
51		8.9A	6 0 16.432	0.0010	18	-17 50 54.72	0.018	13	0.32	16.415	18	33.1	55.03	16	33.1	G0 J	12B	2049	A -17 1334
52		6.3T	0 17.334	0.0003	10	-14 29 44.20	0.010	12	0.63	17.318	22	96.5	44.71	21	97.0	G5	GC	7656	-14 1315
53		8.8A	0 18.344	-0.0003	18	-12 9 59.66	0.051	20	0.36	18.349	18	33.1	* 0.53	16	33.1	A2 J	11	1737	A -12 1359
54		8.5A	0 25.438	-0.0002	18	-18 23 51.90	0.001	13	0.32	25.442	18	33.1	51.92	16	33.1	A3 J	12B	2051	A -18 1278
55		9.0A	0 29.494	-0.0002	18	-13 41 19.21	0.019	20	0.36	29.498	18	33.1	19.53	16	33.1	F2 J	11	1738	A -13 1331
56		9.0A	0 30.830	0.0006	17	-19 34 10.88	-0.050	12	0.30	30.820	18	33.1	10.04	16	33.1	F8 J	12B	2054	A -19 1331
57		8.6A	0 32.178	-0.0011	20	-18 9 16.20	-0.013	15	0.34	32.196	18	33.1	16.43	16	33.1	G5 J	12B	2053	A -18 1279
58		8.3A	0 33.322	-0.0016	17	-11 20 48.25	-0.021	18	0.34	33.349	18	33.1	47.90	16	33.1	A0 J	11	1739	A -11 1363
59		8.8A	0 37.506	-0.0074	15	-11 9 11.23	-0.037	15	0.30	37.632	18	33.1	11.86	16	33.1	G5 J	11	1740	A -11 1364
60		8.7A	0 39.040	-0.0007	18	-19 43 3.66	-0.016	13	0.32	39.052	18	33.1	3.39	16	33.1	K2 J	12B	2055	A -19 1332
61		8.4A	0 45.297	-0.0005	17	-11 53 21.31	-0.010	18	0.34	45.306	18	33.1	21.15	16	33.1	A0 J	11	1741	A -11 1366
62		8.8A	0 48.755	-0.0008	18	-12 6 47.05	-0.022	20	0.36	48.769	18	33.1	47.43	16	33.1	G5 J	11	1742	A -12 1361
63		8.9A	0 51.278	-0.0023	21	-15 43 52.93	-0.005	15	0.35	51.317	18	33.1	52.85	16	33.1	M0 J	12A	1881	A -15 1258
64		8.7A	0 51.797	-0.0024	21	-17 47 56.12	-0.007	15	0.35	51.837	18	33.1	56.24	16	33.1	G0 J	12A	1882	A -17 1339
65		8.8A	0 56.848	0.0001	13	-12 40 8.65	-0.025	15	0.30	56.847	18	33.1	8.23	16	33.1	K0 J	11	1743	A -12 1362
66		7.6A	1 3.498	-0.0059	18	-16 2 24.32	-0.022	13	0.32	3.597	18	33.1	23.95	16	33.1	G0 J	12A	1883	A -16 1343
67		8.9A	1 13.788	-0.0008	18	-11 6 28.70	-0.037	20	0.36	13.801	18	33.1	28.08	16	33.1	F0 J	11	1744	A -11 1367
68		9.2A	1 16.327	-0.0030	17	-11 9 44.15	0.018	18	0.34	16.379	18	33.1	44.46	16	33.1	K5 J	11	1745	A -11 1368
69		8.8A	1 35.709	-0.0014	15	-13 30 49.22	-0.024	17	0.32	35.733	18	33.1	48.81	16	33.1	F5 J	11	1746	A -13 1338
70		8.9A	1 38.502	0.0006	18	-18 33 3.47	0.011	13	0.32	38.492	18	33.1	3.65	16	33.1	G5 J	12B	2062	A -18 1285
71		8.5A	1 38.942	0.0011	17	-13 56 53.96	0.100	12	0.30	38.924	18	33.1	55.65	16	33.1	K0 J	12A	1884	A -13 1339
72		9.2A	1 44.475	-0.0005	21	-14 49 29.70	-0.116	15	0.35	44.484	18	33.1	27.74	16	33.1	G5 J	12A	1885	A -14 1321
73		9.0A	1 52.994	-0.0033	13	-11 9 33.83	-0.031	15	0.30	53.050	18	33.1	33.31	16	33.1	G0 J	11	1748	A -11 1372
74		7.4A	1 53.655	-0.0020	15	-13 41 9.26	0.003	17	0.32	53.689	18	33.1	9.30	16	33.1	B9 J	11	1749	A -13 1341
75		6.9T	1 55.964	-0.0012	10	-14 4 52.23	0.043	09	0.52	56.025	19	98.7	54.54	18	95.7	F5	GC	7694	-14 1322
76		9.0A	1 58.248	-0.0026	21	-16 8 38.31	-0.014	15	0.35	58.291	18	33.1	38.08	16	33.1	K7 J	12A	1888	A -16 1344
77		9.0A	2 0.398	-0.0003	21	-16 52 25.51	-0.005	15	0.35	0.401	18	33.1	25.43	16	33.1	G0 J	12A	1889	A -16 1345
78		8.9A	2 8.350	-0.0011	21	-14 49 11.94	-0.004	15	0.35	8.368	18	33.1	11.88	16	33.1	F8 J	12A	1890	A -14 1323
79		8.2A	2 10.202	-0.0010	17	-18 59 58.11	0.005	12	0.30	10.219	18	33.1	58.19	16	33.1	A3 J	12B	2065	A -18 1289
80		8.8A	2 12.142	-0.0008	12	-10 2 47.03	-0.023	12	0.25	12.155	16	33.5	46.65	16	33.5	K0	16	1762	A -10 1361
81		8.2A	2 18.053	-0.0025	21	-14 1 42.04	-0.001	15	0.35	18.095	18	33.1	42.02	16	33.1	A3 J	12A	1891	A -14 1324
82		8.8A	2 19.314	-0.0015	18	-19 16 28.78	-0.013	15	0.33	19.339	18	33.1	28.56	16	33.1	A2 J	12B	2066	A -19 1341
83		8.7A	2 21.129	-0.0019	17	-11 28 55.09	-0.008	18	0.34	21.161	18	33.1	34.96	16	33.1	A2 J	11	1753	A -11 1375
84		8.6A	2 21.739	-0.0025	18	-16 36 40.56	0.009	13	0.32	21.782	18	33.1	40.72	16	33.1	G5 J	12A	1892	A -16 1347
85		8.5A	2 21.909	0.0017	18	-19 43 29.18	-0.023	13	0.32	21.881	18	33.1	28.80	16	33.1	K2 J	12B	2067	A -19 1343
86		7.8T	2 34.296	0.0003	18	-17 57 8.27	-0.024	17	0.86	34.284	22	04.1	7.12	21	01.1	B8	GC	7710	-17 1344
87		8.9A	2 34.686	0.0005	15	-10 34 18.62	0.048	17	0.32	34.678	18	33.1	19.44	16	33.1	G0 J	11	1755	A -10 1364
88		8.5A	2 36.694	-0.0003	21	-14 6 55.06	0.006	15	0.35	36.700	18	33.1	55.16	16	33.1	K2 J	12A	1893	A -14 1326
89		7.9A	2 38.005	-0.0004	13	-18 4 25.81	-0.002	11	0.26	38.011	18	33.1	25.78	16	33.1	K0 J	12B	2071	A -18 1291
90		8.4A	2 39.063	0.0002	18	-19 29 8.40	0.009	13	0.32	39.059	18	33.1	8.55	16	33.1	B9 J	12B	2072	A -19 1345
91		8.4A	2 40.908	-0.0029	15	-12 18 54.46	0.002	17	0.32	40.955	18	33.1	54.50	16	33.1	A3 J	11	1758	A -12 1366
92		8.9A	2 41.981	0.0006	15	-10 17 9.98	-0.123	17	0.32	41.970	18	33.1	7.90	16	33.1	G5 J	11	1757	A -10 1365
93		5.0T	2 45.162	-0.0009	04	-16 28 46.70	-0.003	04	0.24	45.210	12	99.1	46.54	12	94.6	A0	GC	7711	B*-16 1349
94		8.5A	2 46.295	-0.0015	15	-13 44 57.86	0.032	17	0.32	46.321	18	33.1	58.40	16	33.1	K2 J	11	1759	A -13 1344
95		8.2A	2 49.351	0.0057	21	-15 25 8.77	0.093	15	0.35	49.256	18	33.1	10.35	16	33.1	G0 J	12A	1897	A -15 1265
96		8.5A	2 52.936	0.0021	17	-14 18 16.18	0.011	12	0.30	52.900	18	33.1	16.36	16	33.1	K0 J	12A	1898	A -14 1328
97		8.7A	3 2.605	-0.0042	17	-13 24 41.34	-0.010	18	0.34	2.676	18	33.1	41.18	16	33.1	K0 J	11	1761	A -13 1347
98		5.8T	3 5.282	0.0005	04	-10 14 16.24	0.022	03	0.18	5.241	09	11.4	17.27	09	04.0	F0	GC	7721	B*-10 1368
99		8.7A	3 15.253	-0.0038	21	-16 8 43.78	-0.026	15	0.35	15.317	18	33.1	43.34	16	33.1	K5 J	12A	1899	A -16 1351
00		9.2A	3 28.234	-0.0019	21	-17 13 1.71	-0.025	15	0.35	28.265	18	33.1	1.29	16	33.1	A0 J	12A	1900	A -17 1349

151100

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	EPOCH 1950 μ s	EPOCH 1950 σ_μ ″.001	EPOCH 1950 δ_{1950} ° ′ ″	EPOCH 1950 μ' ″	EPOCH 1950 $\sigma_{\mu'}$ ″.001	EPOCH 1950 σ_{1950} ″	ORIGINAL EPOCH α_2 s	ORIGINAL EPOCH σ ″.01	ORIGINAL EPOCH ep.	ORIGINAL EPOCH δ_2 ″	ORIGINAL EPOCH σ' ″.01	ORIGINAL EPOCH ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	-10° 6H DM NUMBER
1		9.2A	6 3 28.952	0.0018	17	-18 20 33.84	0.015	12	0.30	28.921	18	33.1	34.10	16	33.1	M0 J	12B	2076	A -18 1297
2		9.0A	3 31.424	-0.0016	21	-16 31 29.57	-0.010	15	0.35	31.451	18	33.1	29.40	16	33.1	G5 J	12A	1901	A -16 1352
3		9.1A	3 34.566	-0.0021	18	-10 12 24.39	-0.023	20	0.36	34.602	18	33.1	24.00	16	33.1	A0 J	11	1762	A -10 1372
4		8.3A	3 34.958	0.0001	21	-16 57 12.82	0.009	15	0.35	34.956	18	33.1	12.98	16	33.1	A0 J	12A	1902	A -16 1354
5		8.2A	3 36.069	-0.0034	21	-16 13 49.17	-0.028	15	0.35	36.126	18	33.1	48.70	16	33.1	G5 J	12A	1903	A -16 1353
6		6.0A	3 37.632	0.0003	15	-13 14 31.74	-0.023	17	0.32	37.627	18	33.1	31.35	16	33.1	F0 J	11	1763	A -13 1350
7		8.4A	3 49.262	-0.0043	17	-11 31 34.21	-0.020	18	0.34	49.334	18	33.1	33.87	16	33.1	A5 J	11	1764	A -11 1382
8		8.8A	3 51.015	-0.0034	18	-10 52 50.77	-0.041	20	0.36	51.073	18	33.1	50.08	16	33.1	F5 J	11	1765	A -10 1374
9		9.1A	3 53.382	-0.0000	17	-18 53 14.67	-0.008	12	0.30	53.382	18	33.1	14.53	16	33.1	A0 J	12B	2078	A -18 1299
10		4.7T	3 53.461	-0.0014	03	-14 55 45.55	0.016	03	0.16	53.527	07	03.3	46.31	07	03.1	A0	GC	7742	B#-14 1331
11		9.2A	3 57.666	-0.0008	18	-12 47 9.69	0.014	20	0.36	57.680	18	33.1	9.93	16	33.1	F8 J	11	1766	A -12 1374
12		8.7A	3 58.875	-0.0013	21	-18 2 54.10	0.013	15	0.35	58.897	18	33.1	54.32	16	33.1	F2 J	12A	1906	A -18 1301
13		9.0A	3 59.289	0.0004	21	-17 34 21.84	-0.021	15	0.35	59.281	18	33.1	21.49	16	33.1	K5 J	12A	1905	A -17 1352
14		8.9A	3 59.296	-0.0008	12	-18 2 22.15	-0.026	09	0.25	59.309	18	33.1	21.71	16	33.1		12B	2080	A -18 1302
15		8.5A	4 1.633	-0.0014	18	-12 30 49.65	0.010	20	0.36	1.656	18	33.1	49.83	16	33.1	F5 J	11	1767	A -12 1375
16		9.0A	4 18.192	-0.0005	18	-12 50 13.88	0.008	20	0.36	18.201	18	33.1	14.02	16	33.1	A0 J	11	1768	A -12 1376
17		9.0A	4 18.426	-0.0015	18	-13 44 57.33	-0.000	20	0.36	18.452	18	33.1	57.32	16	33.1	A2 J	11	1769	A -13 1353
18		7.7A	4 19.773	-0.0010	18	-16 53 21.19	0.001	13	0.32	19.789	18	33.1	21.21	16	33.1	K2 J	12A	1909	A -16 1356
19		8.4A	4 20.923	-0.0056	21	-15 7 32.98	0.006	15	0.35	21.018	18	33.1	33.08	16	33.1	K0 J	12A	1908	A -15 1269
20		8.8A	4 21.974	0.0008	15	-13 25 9.18	0.000	17	0.32	21.961	18	33.1	9.18	16	33.1	A0 J	11	1771	A -13 1354
21		8.0A	4 22.865	-0.0015	17	-11 57 23.64	0.000	18	0.34	22.890	18	33.1	23.64	16	33.1	A0 J	11	1770	A -11 1383
22		6.7T	4 24.303	-0.0033	11	-16 30 39.53	-0.034	13	0.65	24.661	24	01.5	37.90	22	01.8	G5	GC	7761	-16 1357
23		8.8A	4 26.218	-0.0011	18	-10 15 7.00	-0.005	20	0.36	26.237	18	33.1	6.92	16	33.1	B9 J	11	1772	A -10 1377
24		8.8A	4 26.256	0.0010	21	-16 26 29.65	-0.035	15	0.35	26.239	18	33.1	29.06	16	33.1	G	12A	1911	A -16 1358
25		7.8A	4 27.516	-0.0018	21	-16 15 13.52	0.048	15	0.35	27.546	18	33.1	14.34	16	33.1	G5 J	12A	1912	A -16 1359
26		6.4T	4 31.361	-0.0006	04	-11 9 59.90	-0.001	04	0.24	31.392	12	01.5	59.85	10	94.4	B5	GC	7764	-11 1386
27		7.4A	4 36.386	-0.0011	15	-12 3 29.31	0.003	17	0.32	36.405	18	33.1	29.36	16	33.1	K0 J	11	1774	A -12 1379
28		9.0A	4 39.581	-0.0056	18	-11 38 48.60	-0.069	20	0.36	39.675	18	33.1	47.43	16	33.1	G0 J	11	1775	A -11 1387
29		9.0A	4 40.538	-0.0010	20	-12 42 1.13	0.028	20	0.37	40.555	18	33.1	1.61	16	33.1	A0 J	11	1776	A -12 1380
30		8.8A	4 43.129	-0.0011	15	-19 55 56.55	-0.015	11	0.27	43.148	16	33.2	56.30	16	33.2	A0 J	13A	2084	A -19 1355
31		8.8A	4 48.273	0.0011	20	-13 13 10.96	-0.072	20	0.37	48.254	18	33.1	9.74	16	33.1	F8 J	11	1778	A -13 1357
32		9.0A	4 48.474	-0.0010	17	-11 3 42.23	-0.040	18	0.34	48.491	18	33.1	41.55	16	33.1	A0 J	11	1777	A -11 1389
33		8.8A	4 51.550	-0.0003	17	-19 4 55.32	0.017	12	0.30	51.556	18	33.1	55.60	16	33.1	K0 J	12B	2085	A -19 1356
34		9.0A	4 56.517	0.0018	21	-17 45 33.93	-0.026	15	0.35	56.487	18	33.1	33.49	16	33.1	K5 J	12A	1913	A -17 1359
35		8.8A	4 58.233	-0.0006	15	-12 12 28.07	-0.014	17	0.32	58.243	18	33.1	27.84	16	33.1	K0 J	11	1779	A -12 1382
36		8.5A	5 3.314	-0.0007	17	-17 48 33.39	0.002	11	0.29	3.327	18	33.1	33.43	16	33.1	G5 J	12A	1914	A -17 1360
37		9.0A	5 6.848	-0.0011	17	-13 23 25.72	-0.025	18	0.34	6.866	18	33.1	25.29	16	33.1	B9 J	11	1780	A -13 1360
38		8.5A	5 12.433	-0.0006	18	-15 15 16.22	-0.003	13	0.32	12.443	18	33.1	16.17	16	33.1	K5 J	12A	1915	A -15 1272
39		8.4A	5 21.691	-0.0006	15	-12 1 45.78	-0.007	17	0.32	21.701	18	33.1	45.67	16	33.1	K5 J	11	1781	A -12 1384
40		8.9A	5 27.544	0.0014	21	-17 35 57.85	0.008	15	0.35	27.520	18	33.1	57.99	16	33.1	K2 J	12A	1917	A -17 1362
41		9.2A	5 28.092	-0.0010	21	-16 51 53.97	0.001	15	0.35	28.109	18	33.1	53.99	16	33.1	A2 J	12A	1916	A -16 1368
42		5.5T	5 31.044	0.0005	04	-19 9 31.25	0.053	03	0.18	31.026	07	10.6	33.67	09	04.3	M0	GC	7794	B#-19 1361
43		8.5A	5 34.690	0.0017	21	-15 11 28.95	-0.002	15	0.35	34.661	18	33.1	28.91	16	33.1	F5 J	12A	1918	A -15 1274
44		8.3A	5 37.344	0.0025	17	-14 15 17.51	-0.074	12	0.30	37.301	18	33.1	16.25	16	33.1	K0 J	12A	1919	A -14 1341
45		9.2A	5 39.442	0.0003	21	-17 17 7.48	0.016	15	0.35	39.436	18	33.1	7.75	16	33.1	K2 J	12A	1920	A -17 1364
46		9.2A	5 41.573	-0.0011	18	-17 19 44.18	0.026	13	0.32	41.590	18	33.1	44.62	16	33.1	F8 J	12A	1921	A -17 1365
47		8.3A	5 46.785	0.0001	15	-10 33 43.66	-0.014	17	0.32	46.784	18	33.1	43.42	16	33.1	A0 J	11	1782	A -10 1386
48		7.8A	5 51.826	-0.0028	21	-15 53 31.65	-0.020	15	0.35	51.873	18	33.1	31.31	16	33.1	F5 J	12A	1922	A -15 1275
49		8.5A	5 54.205	-0.0041	15	-10 26 47.29	-0.022	17	0.32	54.275	18	33.1	46.92	16	33.1	A3 J	11	1783	A -10 1389
50		8.3A	5 56.195	-0.0015	12	-19 45 53.02	0.019	11	0.26	56.221	18	33.1	53.35	16	33.1	F0 J	12B	2095	A -19 1364
51		8.6A	6 5 58.907	0.0008	17	-19 25 22.96	0.010	12	0.30	58.894	18	33.1	23.12	16	33.1	A0 J	12B	2096	A -19 1365
52		8.5A	5 59.926	-0.0015	21	-15 25 2.11	-0.011	15	0.35	59.952	18	33.1	1.92	16	33.1	A0 J	12A	1923	A -15 1277
53		8.9A	6 4.618	0.0030	15	-11 28 39.87	-0.099	17	0.32	4.567	18	33.1	38.20	16	33.1	G0 J	11	1785	A -11 1392
54		6.8T	6 4.791	0.0007	06	-11 8 13.64	-0.007	05	0.39	4.748	15	84.7	13.19	14	83.1	A2	GC	7810K	-11 1393
55		9.0A	6 16.953	-0.0002	21	-17 19 41.04	0.022	15	0.35	16.957	18	33.1	41.42	16	33.1	G5 J	12A	1924	A -17 1371
56		9.0A	6 19.933	-0.0007	18	-19 5 1.91	0.010	13	0.32	19.944	18	33.1	2.07	16	33.1	A0 J	12B	2097	A -19 1366
57		9.5A	6 23.869	-0.0003	17	-10 59 18.41	-0.043	18	0.34	23.875	18	33.1	17.68	16	33.1	F0 J	11	1786	A -10 1391
58		8.9A	6 36.414	-0.0017	15	-12 37 25.89	0.006	17	0.32	36.443	18	33.1	26.00	16	33.1	A0 J	11	1787	A -12 1391
59		8.9A	6 37.465	0.0005	15	-13 5 40.85	-0.005	17	0.32	37.457	18	33.1	40.77	16	33.1	K0 J	11	1788	A -13 1365
60		8.9A	6 45.059	-0.0014	17	-10 31 18.43	-0.026	18	0.34	45.083	18	33.1	17.99	16	33.1	A3 J	11	1789	A -10 1393
61		8.9A	6 46.310	-0.0010	15	-12 57 14.05	-0.022	17	0.32	46.327	18	33.1	13.68	16	33.1	A0 J	11	1791	A -12 1392
62		8.6A	6 47.535	0.0008	15	-11 32 22.29	-0.039	15	0.30	47.522	18	33.1	21.63	16	33.1	K5 J	11	1790	A -11 1395
63		8.8A	6 48.791	0.0024	17	-14 49 23.50	-0.034	12	0.30	48.751	18	33.1	22.93	16	33.1	F8 J	12A	1925	A -14 1346
64		9.0A	6 49.325	-0.0009	15	-10 45 44.19	-0.013	15	0.30	49.341	18	33.1	43.97	16	33.1	F5 J	11	1792	A -10 1395
65		8.8A	6 50.527	-0.0008	12	-10 10 35.75	-0.029	12	0.25	50.540	16	33.5	35.27	16	33.5	G5	16	1803	A -10 1394
66		8.0A	6 52.233	-0.0004	21	-15 41 31.26	-0.013	15	0.35	52.239	18	33.1	31.04	16	33.1	A0 J	12A	1927	A -15 1280
67		7.9A	6 52.953	-0.0019	21	-14 3 20.64	-0.012	15	0.35	52.985	18	33.1	20.43	16	33.1	F0 J	12A	1926	A -14 1347
68		8.0A	6 57.186	0.0008	15	-13 12 39.97	-0.012	17	0.32	57.172	18	33.1	39.77	16	33.1	F0 J	11	1795	A -13 1366
69		8.8A	6 59.455	-0.0024	18	-11 40 30.66	0.009	20	0.36	59.495	18	33.1	30.81	16	33.1	F5 J	11	1796K	A -11 1396
70		8.9A	7 1.970	0.0000	17	-11 56 29.68	0.008	18	0.34	1.970	18	33.1	29.82	16	33.1	K5 J	11	1797	A -11 1397
71		8.0A	7 3.930	0.0008	21	-17 16 54.25	0.005	15	0.35	3.915	18	33.1	54.34	16	33.1	A0 J	12A	1929	A -17 1377
72		9.0A	7 3.952	-0.0022	21	-16 59 51.77	0.005	15	0.35	3.989	18	33.1	51.86	16	33.1	F2 J	12A	1928	A -16 1374
73		6.2T	7 8.315	0.0005	15	-18 6 57.50	-0.017	14	0.72	8.294	21	03.5	56.69	19	01.4	A0	GC	7836	-18 1316
74		8.2A	7 9.028	0.0022	18	-18 29 12.15	-0.008	15	0.33	8.990	18	33.1	12.02	16	33.1	K5 J	12B	2102	A -18 1318
75		8.9A	7 9.942	-0.0074	21	-16 13 39.47	0.094	15	0.35	10.068	18	33.1	41.07	16	33.1	F8 J	12A	1930	A -16 1375
76		9.1A	7 11.014	0.0038	18	-13 38 25.03	-0.007	20	0.36	10.949	18	33.1	24.91	16	33.1	A0 J	11	1798	A -13 1367
77		8.6A	7 11.978	-0.0010	21	-15 6 15.78	0.003	15	0.35	11.995	18	33.1	15.83	16	33.1	A0 J	12A	1931	A -15 1285
78		5.7T	7 18.123	-0.0037	10	-14 34 28.68	0.043	10	0.41	18.264	12	12.0	30.43	12	09.6	K0	GC	7841	-14 1348
79		8.9A	7 19.917	0.0010	17	-19 35 13.73	-0.188	12	0.30	19.900	18	33.1	10.55	16	33.1	K0 J	12B	2106	A -19 1370
80		8.8A	7 23.329	0.0007	17	-18 59 15.35	0.006	12	0.30	23.317	18	33.1	15.45	16	33.1	A0 J	12B	2108	A -18 1319
81		9.0A	7 29.872	-0.0031	18	-10 11 43.80	-0.042	20	0.36	29.924	18	33.1	43.09	16	33.1	K0 J	11	1799	A -10 1401
82		8.7A	7 36.790	-0.0007	15	-12 31 55.95	0.014	17	0.32	36.801	18	33.1	56.18	16	33.1	K0 J	11	1800	A -12 1396
83		8.8A	7 38.160	-0.0024	21	-14 21 59.28	-0.017	15	0.35	38.201	18	33.1	59.00	16	33.1	K0 J	12A	1934	A -14 1350
84		9.1A	7 55.863	-0.0029	15	-10 25 45.66	-0.037	15	0.30	55.912	18	33.1	45.03	16	33.1	B9 J	11	1801	A -10 1402
85		8.6A	7 55.919	0.0004	17	-14 32 15.33	0.011	12	0.30	55.912	18	33.1	15.52	16	33.1	K5 J	12A	1935	A -14 1353
86		9.1A	8 0.048	-0.0009	15	-11 5 26.04	0.001	17	0.32	0.063	18	33.1	26.06	16	33.1	A5 J	11	1802	A -11 1403
87		6.7T	8 0.808	-0.0026	12	-15 2 54.68	0.003	12	0.66	0.944	24	98.4	54.84	21	96.2	A0	GC	7862	-15 1292
88		9.4A	8 4.599	-0.0055	18	-16 14 18.19	-0.005	13	0.32	4.692	18	33.1	18.11	16	33.1	A2 J	12A	1937	A -16 1381
89		8.1A	8 8.556	-0.0004	17	-11 51 9.85	-0.028	18	0.34	8.563	18	33.1	9.38	16	33.1	K0 J	11	1803	A -11 1404
90		9.0A	8 12.327	0.0000	21	-17 32 45.29	0.004	15	0.35	12.326	18	33.1	45.36	16	33.1	G5 J	12A	1938	A -17 1385
91		8.7A	8 13.479	0.0020	18	-17 11 51.27	0.013	13	0.32	13.446	18	33.1	51.49	16	33.1	K0 J	12A	1939	A -17 1386
92		9.2A	8 22.861	-0.0024	15	-10 30 58.89	-0.025	15	0.30	22.901	18	33.1	58.47	16	33.1	F8 J	11	1804	A -10 1404
93		8.9A	8 33.762	0.0015	18	-18 30 25.92	0.029	13	0.32	33.737	18	33.1	26.41	16	33.1	K0 J	12B	2117	A -18 1327
94		9.1A	8 36.683	-0.0044	21	-17 38 24.27	-0.025	15	0.35	36.757	18	33.1	23.85	16	33.1	G5 J	12A	1940	A -17 1387
95		8.5A	8 40.536	-0.0002	18	-10 45 41.56	-0.016	20	0.36	40.539	18	33.1	41.29	16	33.1	B9 J	11	1805	A -10 1407
96		8.8A	8 45.814	-0.0017	17	-13 47 16.31	-0.041	18	0.34	45.842	18	33.1	15.61	16	33.1	K0 J	11	1806	A -13 1375
97		8.5A	8 48.685	-0.0020	18	-12 43 52.79	0.029	20	0.36	48.718	18	33.1	53.29	16	33.1	A3 J	11	1807	A -12 1402
98		8.5A	9 6.613	-0.0016	21	-16 34 38.58	0.012	15	0.35	6.640	18	33.1	38.79	16	33.1	K5 J	12A	1942	A -16 1386
99		6.7T	9 6.861	-0.0007	16	-15 46 49.07	-0.007	14	0.79	6.893	22	01.0	48.72	19	98.5	A3	GC	7890	-15 1299
00		8.6A	9 11.078	-0.0009	21	-16 48 56.99	-0.007	15	0.35	11.093	18	33.1	56.88	16	33.1	A0 J	12A	1943K	A -16 1387

151200

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	EPOCH 1950 μ s	EPOCH 1950 σ_μ ″.001	EPOCH 1950 δ_{1950} ° ′ ″	EPOCH 1950 μ' ″	EPOCH 1950 $\sigma_{\mu'}$ ″.001	EPOCH 1950 σ_{1950} ″	ORIGINAL EPOCH α_2 s	ORIGINAL EPOCH σ ″.01	ORIGINAL EPOCH ep.	ORIGINAL EPOCH δ_2 ″	ORIGINAL EPOCH σ' ″.01	ORIGINAL EPOCH ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	-10° 6H DM NUMBER
1		8.1A	6 9 18.960	0.0027	18	-10 14 16.56	-0.003	20	0.36	18.915	18	33.1	16.51	16	33.1	K0 J	11	1808	A -10 1411
2		9.2A	9 19.406	0.0014	21	-15 48 59.13	0.013	15	0.35	19.382	18	33.1	59.35	16	33.1	A2 J	12A	1944	A -15 1301
3		9.0A	9 19.758	-0.0026	18	-16 17 42.02	0.002	13	0.32	19.801	18	33.1	42.06	16	33.1	K7 J	12A	1945	A -16 1389
4		8.0A	9 22.050	-0.0005	15	-12 35 11.04	0.039	17	0.32	22.058	18	33.1	11.70	16	33.1	F2 J	11	1809	A -12 1405
5		8.8A	9 22.257	0.0017	15	-13 3 56.55	-0.025	17	0.32	22.229	18	33.1	56.13	16	33.1	F0 J	11	1810	A -13 1378
6		8.3A	9 30.220	-0.0018	21	-15 32 20.95	0.011	15	0.35	30.250	18	33.1	21.14	16	33.1	G0 J	12A	1947	A -15 1304
7		8.8A	9 30.784	-0.0011	15	-13 12 31.16	0.031	15	0.30	30.742	18	33.1	31.68	16	33.1	K2 J	11	1811	A -13 1380
8		6.8T	9 31.371	0.0001	18	-18 10 24.72	0.023	16	0.82	31.369	22	06.9	25.75	22	06.2	K2	GC	7902	-18 1334
9		9.3A	9 31.923	-0.0037	21	-15 13 17.62	-0.084	15	0.35	31.987	18	33.1	16.20	16	33.1	K0 J	12A	1948	A -15 1305
10		8.3A	9 35.853	0.0002	17	-14 26 29.67	-0.009	12	0.30	35.850	18	33.1	29.51	16	33.1	B3 J	12A	1949	A -14 1359
11		8.7A	9 36.149	0.0021	17	-11 55 22.70	-0.056	18	0.34	36.114	18	33.1	21.75	16	33.1	K0 J	11	1813	A -11 1409
12		8.4A	9 36.201	-0.0007	18	-15 37 24.71	-0.001	13	0.32	36.213	18	33.1	24.70	16	33.1	A0 J	12A	1951	A -15 1307
13		9.0A	9 41.605	-0.0010	18	-10 51 17.65	-0.003	20	0.36	41.622	18	33.1	17.60	16	33.1	F0 J	11	1814	A -10 1413
14		8.7A	9 46.796	0.0001	18	-18 34 46.68	-0.021	15	0.32	46.795	18	33.1	47.03	16	33.1	K7 J	12B	2129	A -18 1336
15		8.8A	9 47.787	0.0010	15	-13 36 8.47	0.012	17	0.32	47.770	18	33.1	8.67	16	33.1	G5 J	11	1815	A -13 1383
16		8.5A	9 53.445	-0.0002	18	-12 14 57.42	-0.016	20	0.36	53.448	18	33.1	57.15	16	33.1	F0 J	11	1817	A -12 1407
17		8.7A	9 59.428	-0.0029	15	-12 44 55.70	0.023	15	0.30	59.476	18	33.1	56.09	16	33.1	K0 J	11	1818	A -12 1408
18		8.6A	10 5.748	-0.0011	18	-10 28 29.50	-0.043	20	0.36	5.767	18	33.1	28.77	16	33.1	K0 J	11	1819	A -10 1416
19		9.8A	10 5.826	-0.0017	17	-13 14 36.07	-0.047	18	0.34	5.853	18	33.1	35.27	16	33.1		11	1820	A -13 1386
20		8.2A	10 11.893	0.0007	18	-13 36 35.35	0.032	20	0.36	11.881	18	33.1	35.89	16	33.1	B9 J	11	1821	A -13 1367
21		8.8A	10 21.695	-0.0012	21	-16 2 39.24	0.029	15	0.35	21.716	18	33.1	39.73	16	33.1	A0 J	12A	1952	A -16 1395
22		9.0A	10 23.046	-0.0018	17	-12 28 29.25	-0.010	18	0.34	23.076	18	33.1	29.08	16	33.1	B9 J	11	1823	A -12 1410
23		8.6A	10 23.234	-0.0022	15	-11 10 32.61	-0.024	17	0.32	23.272	18	33.1	32.21	16	33.1	K0 J	11	1822	A -11 1413
24		8.9A	10 25.160	0.0005	21	-16 47 48.10	0.052	15	0.35	25.151	18	33.1	48.99	16	33.1	K0 J	12A	1953	A -16 1396
25		7.8A	10 29.166	-0.0028	15	-10 16 30.86	-0.038	17	0.32	29.213	18	33.1	30.22	16	33.1	K2 J	11	1824	A -10 1419
26		8.8A	10 30.493	0.0013	17	-18 17 39.69	-0.064	12	0.30	30.470	18	33.1	38.61	16	33.1	G0 J	12B	2133	A -18 1338
27		6.3T	10 33.956	-0.0010	12	-17 44 56.58	0.015	09	0.34	33.988	10	19.6	57.10	12	16.6	B3	GC	7925	-17 1398
28		9.0A	10 35.739	-0.0059	18	-17 13 29.49	0.003	13	0.32	35.840	18	33.1	29.55	16	33.1	G0 J	12A	1955	A -17 1399
29		8.8A	10 45.448	-0.0021	21	-15 12 12.14	0.013	15	0.35	45.484	18	33.1	12.36	16	33.1	A5 J	12A	1956	A -15 1308
30		9.0A	10 47.754	-0.0005	21	-15 56 37.85	-0.022	15	0.35	47.762	18	33.1	37.48	16	33.1	F J	12A	1957	A -15 1309
31		8.8A	10 49.148	-0.0004	21	-16 52 46.05	-0.002	15	0.35	49.153	18	33.1	46.02	16	33.1	G5 J	12A	1958	A -16 1399
32		8.8A	10 52.101	-0.0039	21	-15 28 44.12	-0.009	15	0.35	52.167	18	33.1	43.97	16	33.1	A0 J	12A	1959	A -15 1311
33		9.0A	10 54.097	-0.0008	21	-15 23 58.94	-0.004	15	0.35	54.111	18	33.1	58.88	16	33.1	K2 J	12A	1960	A -15 1312
34		7.9A	10 57.258	-0.0007	18	-10 37 44.89	-0.023	20	0.36	57.269	18	33.1	44.50	16	33.1	F2 J	11	1826	A -10 1423
35		8.9A	10 59.396	0.0003	18	-18 50 23.76	0.013	13	0.32	59.390	18	33.1	23.98	16	33.1	K7 J	12B	2137	A -18 1340
36		8.8A	10 59.453	0.0004	15	-10 19 0.69	-0.006	17	0.32	59.446	18	33.1	0.59	16	33.1	F8 J	11	1827	A -10 1424
37		9.0A	11 1.781	0.0021	15	-13 39 26.81	-0.043	17	0.32	1.746	18	33.1	26.08	16	33.1	K0 J	11	1828	A -13 1392
38		9.0A	11 5.873	-0.0012	21	-16 7 23.16	0.005	15	0.35	5.893	18	33.1	23.27	16	33.1	K7 J	12A	1961	A -16 1400
39		9.2A	11 6.057	-0.0028	21	-16 6 33.96	-0.052	15	0.35	8.104	18	33.1	33.08	16	33.1	A0 J	12A	1963	A -16 1401
40		8.3A	11 8.530	-0.0011	21	-15 7 58.82	-0.003	15	0.35	8.548	18	33.1	58.76	16	33.1	K2 J	12A	1962	A -15 1313
41		6.9T	11 9.249	-0.0000	16	-15 22 7.65	0.010	13	0.73	9.250	22	03.4	8.14	21	00.7	K0	GC	7947	B0 -15 1314
42		8.9A	11 9.566	-0.0006	17	-13 45 32.29	-0.022	18	0.34	9.577	18	33.1	31.91	16	33.1	B9 J	11	1829	A -13 1396
43		8.6A	11 14.441	-0.0043	20	-13 33 44.07	0.025	20	0.37	14.514	18	33.1	44.49	16	33.1	B9 J	11	1831	A -13 1397
44		8.6A	11 14.986	-0.0007	18	-10 48 12.54	-0.016	20	0.36	14.977	18	33.1	12.27	16	33.1	A5 J	11	1830	A -10 1426
45		8.9A	11 17.212	0.0004	18	-13 27 4.26	-0.012	20	0.36	17.205	18	33.1	4.06	16	33.1	K0 J	11	1832	A -13 1398
46		8.3A	11 25.233	0.0001	17	-15 26 14.91	0.002	12	0.30	25.231	18	33.1	14.95	16	33.1	F0 J	12A	1965	A -15 1315
47		9.0A	11 29.216	-0.0024	15	-10 47 39.42	0.000	18	0.33	29.257	18	33.1	39.42	16	33.1	A2 J	11	1833	A -10 1428
48		8.9A	11 33.536	-0.0003	15	-18 44 30.88	0.019	11	0.28	33.541	18	33.1	31.20	16	33.1	A0 J	12B	2141	A -18 1343
49		8.8A	11 37.493	-0.0006	18	-18 24 52.94	0.035	13	0.32	37.502	18	33.1	53.54	16	33.1	A3 J	12B	2142	A -18 1344
50		9.0A	11 39.610	-0.0004	20	-11 11 14.06	-0.030	20	0.37	39.618	18	33.1	13.56	16	33.1		11	1834	A -11 1419
51		8.5A	6 11 40.075	-0.0042	15	-11 9 42.49	0.005	17	0.32	40.146	18	33.1	42.58	16	33.1	B9 J	11	1835	A -11 1420
52		8.6A	11 53.218	-0.0017	18	-19 35 29.95	0.026	13	0.32	53.247	18	33.1	30.39	16	33.1	K0 J	12B	2144	A -19 1390
53		8.8A	11 58.721	-0.0005	12	-10 3 5.92	-0.006	12	0.29	58.729	16	33.5	5.79	16	33.5	A0	16	1855	A -10 1431
54		8.8A	12 4.749	0.0018	21	-17 27 46.52	-0.047	15	0.35	4.718	18	33.1	45.75	16	33.1	G0 J	12A	1966K	A -17 1407
55		8.0A	12 8.893	-0.0005	15	-19 30 33.39	0.009	11	0.28	8.898	18	33.1	33.55	16	33.1	M1 J	12B	2146	A -19 1391
56		8.9A	12 9.799	-0.0001	21	-17 48 38.01	-0.004	15	0.35	9.801	18	33.1	37.95	16	33.1	G5 J	12A	1968	A -17 1409
57		8.9A	12 10.621	-0.0004	21	-16 36 23.83	0.002	15	0.35	10.628	18	33.1	23.87	16	33.1	A3 J	12A	1967	A -16 1407
58		8.9A	12 11.046	-0.0033	18	-17 26 33.59	-0.020	13	0.32	11.102	18	33.1	33.26	16	33.1	A0 J	12A	1969	A -17 1408
59		9.2A	12 11.541	0.0007	21	-17 27 54.66	0.014	15	0.35	11.529	18	33.1	54.90	16	33.1		12A	1970	A -17 1410
60		8.6A	12 23.330	-0.0012	20	-12 52 20.20	0.080	20	0.37	23.349	18	33.1	21.56	16	33.1	A3 J	11	1838	A -12 1419
61		8.9A	12 24.532	-0.0016	18	-10 12 34.17	0.032	20	0.36	24.559	18	33.1	34.71	16	33.1	B9 J	11	1837	A -10 1434
62		8.5A	12 29.230	0.0031	18	-18 3 56.53	0.042	13	0.32	29.178	18	33.1	57.25	16	33.1	K0 J	12B	2147	A -18 1349
63		8.8A	12 30.502	-0.0007	16	-12 19 35.32	0.016	20	0.36	30.515	18	33.1	35.59	16	33.1	G5 J	11	1840	A -12 1420
64		8.4A	12 31.221	-0.0004	20	-11 7 23.96	0.015	20	0.37	31.229	18	33.1	24.22	16	33.1	F0 J	11	1839	A -11 1425
65		9.0A	12 32.622	-0.0019	21	-16 11 9.40	-0.023	15	0.35	32.655	18	33.1	9.02	16	33.1	F5 J	12A	1972	A -16 1408
66		8.8A	12 33.498	-0.0059	20	-11 47 5.37	-0.068	20	0.37	33.598	18	33.1	4.22	16	33.1	G0 J	11	1841	A -11 1426
67		8.4A	12 35.035	0.0002	21	-16 24 19.33	-0.007	15	0.35	35.031	18	33.1	19.22	16	33.1	A2 J	12A	1973	A -16 1409
68		8.8A	12 36.839	-0.0105	17	-19 42 31.90	-0.242	12	0.30	39.016	18	33.1	27.81	16	33.1	G5 J	12B	2149	A -19 1394
69		8.7A	12 52.481	-0.0011	18	-11 53 58.34	0.008	20	0.36	52.501	18	33.1	58.48	16	33.1	A3 J	11	1842	A -11 1427
70		9.0A	12 59.376	-0.0033	15	-11 37 5.05	-0.030	17	0.32	59.432	18	33.1	4.54	16	33.1	A3 J	11	1843	A -11 1428
71		9.1A	13 1.670	-0.0005	18	-12 33 51.84	0.004	20	0.36	1.678	18	33.1	51.91	16	33.1	F2 J	11	1844	A -12 1421
72		6.6T	13 3.987	0.0000	13	-11 53 14.68	0.018	10	0.50	3.985	19	12.2	15.45	19	08.1	A2	GC	8004	-11 1429
73		8.7A	13 4.668	0.0022	18	-13 28 30.09	-0.080	20	0.36	4.631	18	33.1	28.74	16	33.1	F8 J	11	1846	A -13 1408
74		6.2T	13 6.011	0.0007	15	-18 27 31.79	-0.050	13	0.71	5.981	24	04.1	29.38	22	01.3	K0	GC	8008	-18 1352
75		9.0A	13 8.179	-0.0010	20	-13 19 56.02	-0.025	20	0.37	8.196	18	33.1	55.60	16	33.1	F0 J	11	1847	A -13 1409
76		9.0A	13 10.109	-0.0000	21	-15 46 47.53	-0.003	15	0.35	10.109	18	33.1	47.48	16	33.1	B9 J	12A	1974	A -15 1320
77		8.8A	13 13.689	0.0002	18	-18 28 51.48	-0.003	13	0.32	13.666	18	33.1	51.44	16	33.1	K2 J	12B	2153	A -18 1356
78		8.8A	13 17.241	-0.0032	18	-18 35 14.12	-0.021	13	0.32	17.295	18	33.1	13.76	16	33.1	G5 J	12B	2155	A -18 1357
79		8.5A	13 24.505	-0.0020	15	-10 49 4.72	0.009	17	0.32	24.539	18	33.1	4.88	16	33.1	B9 J	11	1848K	A -10 1443
80		8.3A	13 24.883	-0.0005	18	-19 28 36.53	-0.015	15	0.33	24.891	18	33.1	36.27	16	33.1	B9 J	12B	2156	A -19 1398
81		8.8A	13 25.146	0.0027	17	-11 34 6.27	0.001	18	0.34	25.100	18	33.1	6.29	16	33.1	K0 J	11	1849	A -11 1432
82		8.9B	13 27.084	-0.0023	11	-12 42 23.68	0.016	10	0.51	27.183	18	06.1	24.44	18	03.3	F2	GC	8023	-12 1422
83		5.0T	13 27.345	0.0003	09	-13 42 2.00	-0.011	08	0.35	27.333	12	11.0	1.53	12	08.6	B9	GC	8024	-13 1411
84		8.6A	13 28.585	0.0045	15	-19 47 10.85	-0.059	12	0.29	28.509	18	33.1	9.86	16	33.1	F8 J	12B	2157	A -19 1399
85		9.0A	13 32.849	-0.0001	21	-15 20 9.23	-0.011	15	0.35	32.851	18	33.1	9.05	16	33.1	A0 J	12A	1975	A -15 1322
86		8.9B	13 34.330	-0.0006	11	-12 43 15.02	-0.018	08	0.50	34.352	17	02.8	14.12	17	99.5	F0	GC	8029	-12 1423
87		9.0A	13 37.654	-0.0017	13	-10 14 17.14	-0.001	15	0.30	37.682	18	33.1	17.12	16	33.1	A0 J	11	1853	A -10 1444
88		8.7A	13 38.378	-0.0039	12	-10 8 44.12	-0.011	12	0.29	38.393	16	33.5	43.94	16	33.5	F2	16	1877	A -10 1445
89		8.8A	13 40.019	-0.0035	17	-14 24 30.75	-0.136	11	0.29	40.079	18	33.1	48.44	16	33.1	G5 J	12A	1976	A -14 1379
90		8.0A	13 42.360	-0.0008	21	-17 0 40.88	0.008	15	0.35	42.374	18	33.1	41.02	16	33.1	G5 J	12A	1977	A -16 1413
91		9.3A	13 46.787	-0.0011	21	-17 5 46.47	-0.012	15	0.35	46.804	18	33.1	46.27	16	33.1	K5 J	12A	1979	A -17 1418
92		9.0A	13 47.248	0.0008	21	-15 22 32.57	-0.048	15	0.35	47.234	18	33.1	31.76	16	33.1	G5 J	12A	1978	A -15 1325
93		9.0A	13 51.828	-0.0005	13	-13 4 44.98	-0.037	15	0.30	51.835	18	33.1	44.36	16	33.1	A0 J	11	1855	A -13 1414
94		5.9T	13 53.873	-0.0006	14	-16 35 59.07	0.008	12	0.74	53.903	18	97.1	59.41	17	95.1	B5	GC	8038	-16 1415
95		8.9A	13 54.629	-0.0010	21	-16 14 50.04	0.000	15	0.35	54.645	18	33.1	50.04	16	33.1	A5 J	12A	1981	A -16 1414
96		9.1A	13 54.920	-0.0028	18	-17 33 16.11	-0.023	13	0.32	54.968	18	33.1	15.73	16	33.1	A2 J	12A	1982	A -17 1420
97		8.9A	14 4.102	-0.0002	18	-17 55 15.26	0.000	13	0.32	4.105	18	33.1	15.27	16	33.1	A0 J	12B	2162	A -17 1421
98		8.9A	14 7.788	0.0047	18	-11 7 29.39	0.051	20	0.36	7.688	18	33.1	30.26	16	33.1	F5 J	11	1857	A -11 1434
99		8.7A	14 11.858	0.0006	17	-19 19 51.54	0.008	12	0.30	11.848	18	33.1	51.67	16	33.1	A3 J	12B	2163	A -19 1400
00		9.1A	14 14.457	-0.0001	18	-15 16 7.76	0.007	13	0.32	14.459	18	33.1	7.88	16	33.1	K0 J	12A	1984	A -15 1327

151300

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	EPOCH 1950 μ s	EPOCH 1950 σ_μ ″.001	EPOCH 1950 δ_{1950} ° ′ ″	EPOCH 1950 μ' ″	EPOCH 1950 σ'_μ ″.001	EPOCH 1950 σ_{1950} ″	ORIGINAL EPOCH α_2 s	ORIGINAL EPOCH σ ″.01	ORIGINAL EPOCH ep.	ORIGINAL EPOCH δ_2 ″	ORIGINAL EPOCH σ' ″.01	ORIGINAL EPOCH ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	-10° 6H DM NUMBER
1		9.0A	6 14 14.786	-0.0012	18	-13 50 35.95	-0.055	20	0.36	14.806	18	33.1	35.02	16	33.1	F5 J	11	1858	A -13 1419
2		8.4A	14 18.848	-0.0007	21	-17 29 15.57	0.001	15	0.35	18.859	18	33.1	15.59	16	33.1	K5 J	12A	1985	A -17 1423
3		6.8T	14 22.128	-0.0015	11	-12 1 40.17	-0.032	09	0.50	22.192	19	05.9	38.58	18	00.0	F2	GC	8052K	B*-11 1436
4		8.1A	14 27.473	-0.0004	12	-10 2 48.04	-0.031	12	0.25	27.480	16	33.5	47.53	16	33.5	K2	16	1883	A -10 1448
5		9.6A	14 28.019	0.0003	17	-10 55 19.01	0.043	18	0.34	28.014	18	33.1	19.74	16	33.1		11	1861	A -10 1449
6		9.1A	14 29.424	-0.0025	18	-16 6 50.08	-0.016	13	0.32	29.466	18	33.1	49.81	16	33.1	K7 J	12A	1986	A -16 1417
7		8.0A	14 34.426	-0.0007	21	-15 6 24.01	-0.009	15	0.35	34.438	18	33.1	23.86	16	33.1	K0 J	12A	1987	A -15 1328
8		8.9A	14 38.542	0.0005	17	-18 25 27.36	0.012	12	0.30	38.534	18	33.1	27.57	16	33.1	K7 J	12B	2166	A -18 1364
9		9.0A	14 38.952	-0.0042	17	-10 53 48.69	-0.037	17	0.33	39.023	18	33.1	48.07	16	33.1	G0 J	11	1862	A -10 1450
10		8.8A	14 39.044	-0.0024	18	-12 13 23.57	0.008	20	0.36	39.084	18	33.1	23.71	16	33.1	K5 J	11	1863	A -12 1428
11		8.0A	14 41.933	-0.0098	18	-18 35 16.80	0.002	13	0.32	42.099	18	33.1	16.83	16	33.1	F8 J	12B	2167	A -18 1365
12		8.8A	14 45.086	-0.0019	18	-16 5 1.21	-0.004	13	0.32	45.117	18	33.1	1.15	16	33.1	K7 J	12A	1988	A -16 1418
13		8.9A	14 58.742	-0.0023	18	-10 42 25.11	-0.020	20	0.36	58.781	18	33.1	24.77	16	33.1	A3 J	11	1864	A -10 1452
14		8.7A	14 58.982	-0.0017	17	-14 28 37.43	0.021	11	0.29	59.011	18	33.1	37.78	16	33.1	K0 J	12A	1989	A -14 1387
15		8.5A	15 2.412	-0.0017	17	-11 21 38.42	-0.091	18	0.34	2.441	18	33.1	36.88	16	33.1	F0 J	11	1865	A -11 1438
16		8.7A	15 7.063	-0.0056	18	-13 1 31.32	0.048	20	0.36	7.158	18	33.1	32.14	16	33.1	B9 J	11	1866	A -12 1431
17		8.8A	15 11.711	-0.0023	21	-16 58 53.95	-0.002	15	0.35	11.750	18	33.1	53.92	16	33.1	A3 J	12A	1990	A -16 1424
18		6.7T	15 14.028	-0.0006	04	-10 42 19.15	-0.009	04	0.22	14.062	07	97.7	18.66	07	94.1	F0	GC	8070	B*-10 1455
19		8.4A	15 21.361	-0.0013	21	-15 25 52.61	-0.014	15	0.35	21.384	18	33.1	52.38	16	33.1	K0 J	12A	1991	A -15 1335
20		8.8A	15 24.742	0.0007	18	-19 30 18.28	0.007	15	0.33	24.730	18	33.1	18.41	16	33.1	K0 J	12B	2173	A -19 1404
21		8.8A	15 26.446	-0.0009	21	-16 13 40.24	-0.022	15	0.35	26.461	18	33.1	39.87	16	33.1	M0 J	12A	1992	A -16 1425
22		5.3T	15 28.151	-0.0012	08	-16 47 44.93	0.006	07	0.30	28.196	07	11.4	45.17	07	11.7	K0	GC	8080	B*-16 1426
23		6.6T	15 33.762	0.0004	15	-19 10 8.58	-0.031	13	0.79	33.743	24	98.0	6.89	21	95.6	B9	GC	8083	-19 1405
24		8.5A	15 35.169	-0.0010	15	-16 43 59.54	-0.038	13	0.30	35.185	18	33.1	58.90	16	33.1	K2 J	12A	1994	A -16 1427
25		9.0A	15 44.698	0.0001	17	-14 11 44.31	-0.015	12	0.30	44.696	18	33.1	44.05	16	33.1	A0 J	12A	1995	A -14 1393
26		8.6A	15 45.594	-0.0002	20	-10 13 0.29	0.002	20	0.37	45.598	18	33.1	0.33	16	33.1	K0 J	11	1870	A -10 1461
27		8.8A	15 49.915	-0.0012	21	-17 15 28.94	0.028	15	0.35	49.936	18	33.1	29.42	16	33.1	A0 J	12A	1996	A -17 1434
28		8.8A	15 50.654	-0.0035	18	-12 56 44.85	0.077	20	0.36	50.714	18	33.1	46.16	16	33.1	G0 J	11	1872	A -12 1434
29		9.1A	15 54.149	-0.0018	18	-12 29 51.97	0.029	20	0.36	54.179	18	33.1	52.46	16	33.1	F5 J	11	1873	A -12 1436
30		8.6A	15 56.158	-0.0014	18	-14 18 45.57	-0.007	13	0.32	56.182	18	33.1	45.45	16	33.1	K0 J	12A	1997	A -14 1395
31		9.0A	15 56.571	-0.0007	18	-18 32 26.64	0.013	13	0.32	56.583	18	33.1	26.86	16	33.1	A5 J	12B	2176	A -18 1373
32		8.9A	15 59.990	-0.0027	18	-16 48 45.39	0.001	13	0.32	+ 0.037	18	33.1	45.41	16	33.1	A0 J	12A	1998	A -16 1429
33		8.8A	16 2.625	0.0007	21	-15 47 21.05	-0.024	15	0.35	2.612	18	33.1	20.65	16	33.1	K7 J	12A	1999	A -15 1337
34		5.3T	16 4.195	-0.0010	07	-19 56 46.55	0.007	07	0.28	4.232	09	14.5	46.81	09	13.9	B3	GC	8099	B*-19 1407
35		8.9A	16 7.842	-0.0008	15	-12 4 57.92	-0.015	17	0.32	7.856	18	33.1	57.67	16	33.1	F2 J	11	1874	A -12 1437
36		8.5A	16 13.058	0.0000	20	-12 32 46.24	-0.054	20	0.37	13.058	18	33.1	45.33	16	33.1	F5 J	11	1875	A -12 1438
37		8.3A	16 13.261	-0.0031	21	-14 34 37.77	0.007	12	0.34	13.314	18	33.1	37.89	16	33.1	A0 J	12A	2000	A -14 1396
38		8.4A	16 19.019	-0.0023	18	-14 20 18.99	0.026	13	0.32	19.059	18	33.1	19.43	16	33.1	A0 J	12A	2001	A -14 1397
39		8.9A	16 19.773	-0.0040	17	-12 39 36.80	-0.054	18	0.34	19.841	18	33.1	35.89	16	33.1	F5 J	11	1877	A -12 1439
40		8.5A	16 21.033	-0.0042	20	-10 20 57.77	-0.004	20	0.37	21.104	18	33.1	57.70	16	33.1	F8 J	11	1876	A -10 1467
41		8.8A	16 23.018	-0.0017	18	-11 34 24.87	0.002	20	0.36	23.047	18	33.1	24.91	16	33.1	A0 J	11	1878	A -11 1444
42		9.0A	16 25.788	-0.0001	21	-14 53 57.33	-0.005	15	0.35	25.790	18	33.1	57.25	16	33.1	K0 J	12A	2002	A -14 1398
43		9.0A	16 27.071	0.0000	15	-10 15 27.37	-0.064	15	0.30	27.071	18	33.1	26.29	16	33.1	A2 J	11	1879	A -10 1468
44		8.5A	16 31.433	-0.0001	21	-16 24 46.03	-0.029	15	0.35	31.435	18	33.1	46.52	16	33.1	A3 J	12A	2005	A -16 1432
45		8.0A	16 32.087	0.0040	21	-14 49 24.79	-0.063	15	0.35	32.019	18	33.1	23.73	16	33.1	G5 J	12A	2003	A -14 1399
46		6.3T	16 32.895	-0.0007	14	-15 0 12.90	0.020	12	0.59	32.925	19	08.9	13.81	19	04.7	K5	GC	8108	-14 1400
47		8.7A	16 40.471	-0.0024	17	-12 30 41.82	0.010	18	0.34	40.511	18	33.1	41.99	16	33.1	B9 J	11	1880	A -12 1441
48		8.3A	16 44.483	-0.0004	21	-15 22 55.12	-0.005	15	0.35	44.490	18	33.1	55.03	16	33.1	M1 J	12A	2006	A -15 1342
49		8.9A	17 0.612	0.0008	21	-16 19 4.00	0.017	15	0.35	0.598	18	33.1	4.29	16	33.1	A0 J	12A	2007	A -16 1437
50		8.6A	17 11.322	-0.0017	15	-14 18 51.41	0.003	13	0.30	11.350	18	33.1	51.46	16	33.1	A2 J	12A	2008	A -14 1402
51		8.6A	6 17 12.790	-0.0031	15	-10 13 46.04	0.001	17	0.32	12.842	18	33.1	46.06	16	33.1	F0 J	11	1882	A -10 1472
52		8.8A	17 14.038	-0.0032	21	-14 38 34.39	0.015	12	0.34	14.092	18	33.1	34.65	16	33.1	A2 J	12A	2009	A -14 1403
53		9.2A	17 14.921	-0.0003	13	-19 34 44.27	0.012	11	0.26	14.926	18	33.1	44.48	16	33.1	M0 J	12B	2183	A -19 1412
54		8.8A	17 17.044	-0.0024	20	-19 27 55.19	0.018	15	0.34	17.085	18	33.1	55.49	16	33.1	G5 J	12B	2184	A -19 1413
55		8.5Q	17 20.741	-0.0002	10	-13 31 57.69	0.003	08	0.43	20.749	17	07.9	57.81	18	04.0	A2	GC	8133	-13 1443
56		9.3A	17 21.190	-0.0014	15	-13 30 52.08	-0.023	15	0.30	21.214	18	33.1	51.69	16	33.1		11	1885	A -13 1444
57		7.2T	17 28.351	-0.0031	22	-17 30 12.16	0.012	18	0.94	28.490	21	05.8	12.73	19	04.0	B8	GC	8134	-17 1446
58		8.6A	17 33.535	0.0001	18	-15 2 42.35	-0.021	13	0.32	33.531	18	33.1	41.99	16	33.1	K0 J	12A	2012	A -15 1346
59		9.0A	17 33.577	-0.0033	21	-17 33 8.91	0.018	15	0.35	33.632	18	33.1	9.22	16	33.1	A3 J	12A	2013	A -17 1447
60		9.0A	17 34.867	-0.0015	17	-19 42 28.60	-0.001	13	0.31	34.893	18	33.1	28.59	16	33.1	A5 J	12B	2187	A -19 1415
61		9.0A	17 36.642	-0.0025	17	-19 15 24.04	-0.006	12	0.30	36.685	18	33.1	23.93	16	33.1	A0 J	12B	2188	A -19 1416
62		8.8A	17 36.984	-0.0009	18	-10 36 51.63	-0.042	20	0.36	36.999	18	33.1	50.92	16	33.1	B8 J	11	1886K	A -10 1476
63		8.9A	17 37.456	-0.0046	18	-15 31 46.92	0.001	13	0.32	37.534	18	33.1	46.94	16	33.1	A2 J	12A	2014	A -15 1347
64		8.8A	17 39.018	0.0004	18	-18 23 43.54	-0.005	13	0.32	39.011	18	33.1	43.46	16	33.1	F5 J	12B	2189	A -18 1379
65		6.6T	17 40.215	-0.0017	18	-13 58 12.88	0.004	17	0.73	40.281	19	11.2	13.03	21	09.4	A0	GC	8149	-13 1450
66		8.9A	17 46.748	-0.0014	21	-17 39 38.54	0.016	15	0.35	46.772	18	33.1	38.81	16	33.1	A2 J	12A	2016	A -17 1449
67		8.1A	17 52.883	0.0035	15	-10 42 5.97	-0.009	15	0.30	52.824	18	33.1	5.82	16	33.1	G5 J	11	1888	A -10 1479
68		7.9A	17 56.034	-0.0010	13	-10 51 31.03	-0.001	15	0.30	56.051	18	33.1	31.02	16	33.1	A2 J	11	1889	A -10 1481
69		9.0A	17 58.837	-0.0023	18	-13 13 30.87	-0.060	20	0.36	58.876	18	33.1	29.86	16	33.1	G5 J	11	1891	A -13 1452
70		9.0A	17 59.949	-0.0026	13	-19 27 59.81	0.030	09	0.26	59.993	18	33.1	+ 0.32	16	33.1	M0 J	12B	2193	A -19 1418
71		8.7A	18 2.127	0.0005	18	-10 23 52.76	-0.013	20	0.36	2.119	18	33.1	52.54	16	33.1	A2 J	11	1890	A -10 1483
72		9.0A	18 9.997	-0.0006	21	-17 15 13.43	0.000	15	0.35	10.006	18	33.1	13.44	16	33.1	K0 J	12A	2018	A -17 1450
73		8.5A	18 11.146	-0.0024	21	-14 10 24.19	-0.031	12	0.34	11.187	18	33.1	23.66	16	33.1	B9 J	12A	2017	A -14 1409
74		9.2A	18 14.971	-0.0043	21	-16 5 51.78	-0.012	15	0.35	15.044	18	33.1	51.58	16	33.1	A J	12A	2019	A -16 1440
75		8.8A	18 15.571	-0.0005	12	-10 3 34.84	-0.022	12	0.26	15.579	16	33.1	34.47	16	33.1	A0	16	1919	A -10 1485
76		9.1A	18 20.209	-0.0044	21	-16 6 51.48	-0.006	15	0.35	20.284	18	33.1	51.38	16	33.1	A0 J	12A	2021	A -16 1441
77		9.2A	18 20.313	-0.0015	21	-15 35 1.53	0.009	15	0.35	20.338	18	33.1	1.68	16	33.1	M0 J	12A	2020	A -15 1352
78		8.8A	18 25.731	-0.0019	15	-13 48 39.83	0.032	17	0.32	25.764	18	33.1	40.37	16	33.1	F0 J	11	1895	A -13 1454
79		9.4A	18 27.253	-0.0005	20	-18 55 11.99	-0.008	15	0.34	27.262	18	33.1	11.85	16	33.1	K7 J	12B	2195	A -18 1385
80		8.8A	18 28.809	0.0012	18	-17 53 15.67	0.026	13	0.32	28.788	18	33.1	16.11	16	33.1	K5 J	12B	2196	A -17 1452
81		8.8A	18 29.383	-0.0009	21	-15 52 58.88	-0.015	15	0.35	29.399	18	33.1	58.63	16	33.1	F5 J	12A	2022	A -15 1353
82		8.7A	18 35.750	0.0002	17	-18 41 24.49	-0.014	12	0.30	35.747	18	33.1	24.25	16	33.1	G5 J	12B	2198	A -18 1387
83		8.9A	18 36.756	-0.0000	18	-10 34 15.17	0.007	20	0.36	36.757	18	33.1	15.29	16	33.1	K2 J	11	1896	A -10 1489
84		9.1A	18 36.978	-0.0024	17	-10 31 32.40	-0.058	18	0.34	37.018	18	33.1	31.42	16	33.1	G J	11	1897	A -10 1488
85		8.7A	18 37.119	-0.0020	15	-11 49 30.31	-0.010	15	0.30	37.154	18	33.1	30.14	16	33.1	A2 J	11	1898	A -11 1457
86		9.0A	18 37.899	-0.0019	18	-18 9 37.41	-0.002	13	0.32	37.931	18	33.1	37.38	16	33.1	A0 J	12B	2199	A -18 1388
87		9.1A	18 38.358	-0.0003	17	-17 58 0.79	0.000	12	0.30	38.363	18	33.1	0.80	16	33.1	A0 J	12A	2025	A -17 1455
88		8.1A	18 40.911	-0.0032	15	-11 39 13.15	0.001	17	0.32	40.965	18	33.1	13.17	16	33.1	K5 J	11	1899	A -11 1458
89		7.9A	18 41.371	-0.0055	21	-16 57 29.54	-0.156	15	0.35	41.465	18	33.1	26.90	16	33.1	G5 J	12A	2026	A -16 1443
90		8.8A	18 43.038	0.0005	18	-19 21 45.69	-0.044	15	0.33	43.029	18	33.1	44.94	16	33.1	F0 J	12B	2200	A -19 1419
91		6.6T	18 45.546	-0.0013	12	-11 47 35.52	0.000	11	0.57	45.601	19	06.5	35.53	21	02.4	K5	GC	8177	-11 1459
92		8.8A	18 47.327	0.0018	21	-17 48 35.01	-0.024	15	0.35	47.296	18	33.1	34.61	16	33.1	A2 J	12A	2028	A -17 1457
93		9.0A	18 47.619	-0.0006	21	-17 12 4.45	0.018	15	0.35	47.628	18	33.1	4.76	16	33.1	A0 J	12A	2027	A -17 1456
94		8.1A	18 50.591	-0.0024	20	-17 55 59.80	0.000	15	0.34	50.631	18	33.1	59.81	16	33.1	A0 J	12B	2202	A -17 1458
95		8.3A	18 54.990	-0.0013	18	-16 39 10.52	0.019	13	0.32	55.011	18	33.1	10.85	16	33.1	A0 J	12A	2030	A -16 1446
96		8.1A	18 58.191	-0.0008	17	-14 16 50.09	-0.009	12	0.30	58.206	18	33.1	49.93	16	33.1	G5 J	12A	2031	A -14 1412
97		9.0A	18 58.877	0.0013	21	-15 36 33.68	0.021	15	0.35	58.855	18	33.1	34.04	16	33.1	A5 J	12A	2032	A -15 1356
98		8.5A	19 1.303	-0.0013	13	-10 30 5.11	0.017	15	0.30	1.325	18	33.1	5.40	16	33.1	G5 J	11	1901	A -10 1491
99		9.1A	19 2.930	-0.0001	15	-13 39 8.54	0.002	17	0.32	2.933	18	33.1	8.57	16	33.1	G0 J	11	1903	A -13 1456
00		7.8A	19 3.050	-0.0012	21	-14 1 19.19	-0.002	12	0.34	3.070	18	33.1	19.15	16	33.1	M0 J	12A	2033	A -13 1457

151400

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ_s s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.		SOURCE CAT.	STAR NUMBER	-10° 6H DM NUMBER
1		5.5T	6 19 4.808	-0.0011	07	-11 44 55.60	-0.007	07	0.32	4.852	12	08.2	55.30	12	05.3	B2P		GC	8166K	B#-11 1460
2		7.8A	19 5.916	0.0003	18	-16 46 45.29	-0.003	13	0.32	5.911	18	33.1	45.24	16	33.1	B9	J	12A	2035	A -16 1448
3		8.7A	19 6.245	-0.0034	18	-16 10 40.24	0.004	13	0.32	6.302	18	33.1	40.31	16	33.1	A2	J	12A	2034	A -16 1447
4		9.0A	19 7.577	-0.0019	18	-17 29 48.28	0.014	13	0.32	7.609	18	33.1	48.52	16	33.1	K5	J	12A	2036	A -17 1461
5		8.4A	19 9.138	-0.0033	17	-12 7 24.62	-0.004	18	0.34	9.193	18	33.1	24.55	16	33.1	K0	J	11	1905	A -12 1452
6		8.7A	19 16.584	-0.0030	18	-11 2 40.83	-0.001	20	0.36	16.635	18	33.1	40.81	16	33.1	A5	J	11	1906	A -11 1461
7		8.2A	19 21.084	-0.0025	21	-15 2 46.09	0.039	15	0.35	21.126	18	33.1	46.76	16	33.1	A7	J	12A	2037	A -15 1358
8		8.8A	19 23.491	-0.0010	17	-14 22 30.38	-0.011	12	0.30	23.508	18	33.1	30.19	16	33.1	K0	J	12A	2038K	A -14 1415
9		8.3A	19 24.648	-0.0013	12	-10 6 10.34	-0.074	12	0.26	24.670	16	33.1	9.09	16	33.1	K0		16	1931	A -10 1493
10		8.0A	19 25.506	-0.0058	17	-18 8 25.15	-0.081	12	0.30	25.605	18	33.1	23.78	16	33.1	G0	J	12B	2207	A -18 1391
11		9.0A	19 26.085	-0.0015	17	-18 15 39.32	-0.017	12	0.30	26.110	18	33.1	39.04	16	33.1	A0	J	12B	2208	A -18 1390
12		7.5A	19 28.065	-0.0006	17	-19 48 56.25	-0.017	12	0.30	28.075	18	33.1	55.97	16	33.1	K0	J	12B	2210	A -19 1425
13		9.0A	19 32.658	-0.0040	21	-15 5 1.41	-0.020	15	0.35	32.725	18	33.1	1.07	16	33.1	A5	J	12A	2040	A -15 1360
14		9.0A	19 38.761	-0.0001	15	-13 32 42.74	-0.005	17	0.32	38.764	18	33.1	42.65	16	33.1	A5	J	11	1908	A -13 1462
15		8.8A	19 39.004	-0.0001	18	-18 25 6.10	-0.013	15	0.33	39.005	18	33.1	5.88	16	33.1	G5	J	12B	2212	A -18 1392
16		8.8A	19 40.601	-0.0008	18	-18 3 37.48	0.040	15	0.33	40.614	18	33.1	38.16	16	33.1	G5	J	12B	2213	A -18 1393
17		9.1A	19 42.464	-0.0000	18	-19 0 9.51	-0.004	15	0.33	42.465	18	33.1	9.44	16	33.1	M0	J	12B	2214	A -18 1394
18		8.6A	19 48.184	-0.0022	18	-13 18 43.06	0.062	20	0.36	48.222	18	33.1	44.11	16	33.1	K0	J	11	1909	A -13 1464
19		6.7T	19 51.174	-0.0064	22	-15 38 13.51	-0.030	18	0.90	51.431	29	09.5	12.20	26	06.2	G5		GC	8204	-15 1361
20		8.6A	19 52.096	-0.0022	17	-14 33 46.55	-0.066	15	0.32	52.134	18	33.1	45.44	16	33.1	A0	J	12A	2042	A -14 1418
21		8.7A	19 54.497	-0.0033	21	-16 34 28.64	-0.026	15	0.35	54.554	18	33.1	28.20	16	33.1	A5	J	12A	2044	A -16 1454
22		9.2A	19 56.218	-0.0031	17	-18 0 17.51	0.048	13	0.31	56.270	18	33.1	18.32	16	33.1	K0	J	12B	2216	A -18 1396
23		9.3A	20 5.871	-0.0028	15	-11 20 41.60	-0.029	17	0.32	5.919	18	33.1	41.11	16	33.1	G0	J	11	1910	A -11 1464
24		8.7A	20 9.761	0.0000	20	-19 4 17.80	0.011	15	0.34	9.781	18	33.1	17.98	16	33.1	B9	J	12B	2218	A -19 1427
25		8.0A	20 9.863	-0.0018	21	-16 42 16.85	0.003	15	0.35	9.893	18	33.1	16.91	16	33.1	G5	J	12A	2045	A -16 1456
26		8.6A	20 12.680	0.0060	18	-12 55 51.32	0.012	20	0.36	12.578	18	33.1	51.52	16	33.1	F8	J	11	1911	A -12 1457
27		8.8A	20 26.388	-0.0009	18	-15 16 39.88	0.000	13	0.32	26.404	18	33.1	39.88	16	33.1	M0	J	12A	2046	A -15 1363
28		2.0H	20 29.769	-0.0009	01	-17 55 47.23	-0.004	01	0.05	29.822	02	11.9	47.09	02	12.1	B1		F4	243	-17 1467
29		9.0A	20 39.096	-0.0036	17	-10 27 40.43	-0.017	18	0.34	39.158	18	33.1	40.14	16	33.1	K0	J	11	1912	A -10 1499
30		8.9A	20 39.819	-0.0006	17	-18 49 31.37	0.004	12	0.30	39.830	18	33.1	31.43	16	33.1	A2	J	12B	2223	A -18 1401
31		8.7A	20 42.555	-0.0018	18	-18 36 12.65	0.032	13	0.32	42.586	18	33.1	13.19	16	33.1	G5	J	12B	2224	A -18 1403
32		9.4A	20 43.784	-0.0020	18	-10 38 56.68	-0.035	20	0.36	43.818	18	33.1	56.09	16	33.1	A3	J	11	1913	A -10 1500
33		9.0A	20 46.235	-0.0005	17	-14 52 29.15	-0.011	12	0.30	46.244	18	33.1	28.97	16	33.1	A3	J	12A	2048	A -14 1422
34		8.8A	20 48.888	-0.0009	17	-12 57 14.56	-0.008	18	0.34	48.903	18	33.1	14.43	16	33.1	F0	J	11	1914	A -12 1462
35		8.8A	20 52.487	-0.0021	21	-15 6 4.51	-0.011	15	0.35	52.523	18	33.1	4.33	16	33.1	K0	J	12A	2049	A -15 1364
36		9.3A	20 53.163	-0.0006	21	-17 9 59.73	0.022	15	0.35	53.173	18	33.1	+ 0.11	16	33.1	F8	J	12A	2050	A -17 1468
37		8.5A	21 0.829	-0.0002	20	-18 11 43.59	0.017	15	0.34	0.833	18	33.1	43.88	16	33.1	A0	J	12B	2225	A -18 1404
38		6.9T	21 2.186	0.0005	20	-14 48 31.68	-0.046	16	0.85	2.164	27	06.1	29.49	24	02.2	A3		GC	8234	-14 1423
39		8.4A	21 5.449	-0.0015	21	-15 52 34.70	-0.003	15	0.35	5.474	18	33.1	34.65	16	33.1	A3	J	12A	2054	A -15 1366
40		9.1A	21 6.101	-0.0032	18	-10 44 34.60	0.012	20	0.36	6.156	18	33.1	-43.26	16	33.1	K0	J	11	1915	A -10 1501
41		7.7A	21 6.674	-0.0025	21	-14 7 42.71	-0.004	15	0.35	6.718	18	33.1	42.64	16	33.1	K2	J	12A	2053	A -14 1424
42		8.9A	21 15.704	-0.0004	15	-12 43 11.56	-0.026	15	0.30	15.711	18	33.1	11.13	16	33.1	A0	J	11	1917	A -12 1463
43		7.5A	21 19.729	-0.0014	18	-18 58 15.06	-0.037	13	0.32	19.752	18	33.1	14.43	16	33.1	K0	J	12B	2227	A -18 1405
44		9.2A	21 20.211	-0.0013	15	-11 38 53.93	0.011	17	0.32	20.233	18	33.1	54.12	16	33.1	A0	J	11	1918	A -11 1472
45		8.4A	21 24.698	-0.0003	13	-12 33 4.10	0.016	17	0.31	24.702	18	33.1	4.38	16	33.1	G0	J	11	1919	A -12 1464
46		9.2A	21 27.494	-0.0008	18	-19 7 0.64	0.017	15	0.33	27.508	18	33.1	0.92	16	33.1	K0	J	12B	2230	A -19 1434
47		9.2A	21 27.766	-0.0003	15	-12 42 22.59	0.058	15	0.30	27.772	18	33.1	23.57	16	33.1	A0	J	11	1921	A -12 1465
48		9.3A	21 28.228	0.0001	15	-11 42 18.11	-0.024	17	0.32	28.227	18	33.1	17.70	16	33.1	K5	J	11	1920	A -11 1474
49		6.5T	21 28.699	0.0002	18	-16 26 21.28	0.052	17	0.86	28.687	24	04.0	23.78	22	02.1	A5		GC	8255	-16 1461
50		6.4T	21 30.235	-0.0015	16	-15 2 38.55	-0.009	14	0.73	30.302	21	04.7	38.11	18	02.1	K2		GC	8257	-14 1428
51		8.8A	6 21 32.779	-0.0009	17	-11 38 43.81	0.007	18	0.34	32.794	18	33.1	43.93	16	33.1	K7	J	11	1922	A -11 1475
52		9.1A	21 36.967	-0.0046	18	-10 40 16.18	-0.017	20	0.36	37.045	18	33.1	15.90	16	33.1	K0	J	11	1923	A -10 1504
53		6.6T	21 37.805	-0.0016	10	-19 45 28.82	0.012	08	0.33	37.858	12	17.5	29.25	12	14.9	B8		GC	8260K	B#-19 1435
54		8.9A	21 40.613	-0.0016	15	-13 10 46.28	-0.019	17	0.32	40.639	18	33.1	45.97	16	33.1	A2	J	11	1924	A -13 1477
55		9.1A	21 43.713	0.0002	17	-19 6 44.00	-0.002	13	0.31	43.709	18	33.1	43.96	16	33.1	K7	J	12B	2233	A -19 1436
56		8.8A	21 45.544	-0.0038	21	-17 24 48.72	0.011	15	0.35	45.608	18	33.1	48.91	16	33.1	A2	J	12A	2058	A -17 1473
57		8.7A	21 47.074	-0.0017	18	-14 27 34.30	-0.006	13	0.32	47.104	18	33.1	34.19	16	33.1	K0	J	12A	2057	A -14 1429
58		5.4H	21 50.306	-0.0041	03	-11 30 6.50	-0.040	03	0.09	50.415	04	23.8	5.37	04	22.0	K0		F4	1171	-11 1478
59		8.6A	21 57.161	-0.0020	21	-17 51 22.93	0.012	15	0.35	57.195	18	33.1	23.14	16	33.1	M0	J	12A	2059	A -17 1476
60		8.6A	22 0.152	-0.0000	17	-19 58 49.89	0.002	12	0.29	0.153	18	33.1	49.93	16	33.1	K0	J	13A	2235	A -19 1437
61		6.0T	22 2.124	-0.0013	08	-12 56 2.83	-0.014	06	0.42	2.192	17	96.5	2.01	14	90.7	B8		GC	8273K	-12 1470
62		6.7T	22 6.703	-0.0027	09	-16 11 46.17	-0.001	06	0.41	6.830	18	02.2	46.12	17	93.4	A3		GC	8276K	-16 1467
63		9.1Q	22 7.816	-0.0036	18	-16 11 45.51	0.002	17	0.76	7.972	21	09.5	45.60	21	07.2	A		GC	8277K	-16 1468
64		8.1A	22 7.895	-0.0005	17	-14 48 19.69	0.026	12	0.30	7.904	18	33.1	20.15	16	33.1	K2	J	12A	2060	A -14 1430
65		8.7A	22 11.948	-0.0038	21	-16 45 25.70	0.002	15	0.35	12.011	18	33.1	25.74	16	33.1	F0	J	12A	2063	A -16 1469
66		9.0A	22 15.671	-0.0019	13	-19 0 28.46	0.009	11	0.26	15.704	18	33.1	28.61	16	33.1	A5	J	12B	2236	A -18 1408
67		8.7A	22 19.337	-0.0022	17	-10 30 40.83	-0.006	18	0.34	19.375	18	33.1	40.73	16	33.1	G5	J	11	1927	A -10 1508
68		8.6A	22 25.325	-0.0021	21	-15 37 20.86	-0.011	15	0.35	25.361	18	33.1	20.68	16	33.1	A2	J	12A	2064	A -15 1373
69		9.1A	22 29.815	-0.0011	13	-12 37 51.87	0.017	15	0.30	29.833	18	33.1	52.16	16	33.1	A0	J	11	1929	A -12 1473
70		8.7A	22 31.219	-0.0043	17	-10 23 56.76	0.025	18	0.34	31.292	18	33.1	57.19	16	33.1	G5	J	11	1928	A -10 1510
71		8.1A	22 35.422	0.0072	17	-13 12 3.73	-0.051	18	0.34	35.300	18	33.1	2.88	16	33.1	G0	J	11	1930	A -13 1483
72		9.0A	22 39.698	-0.0007	15	-12 59 3.55	0.016	17	0.32	39.710	18	33.1	3.82	16	33.1	A0	J	11	1931	A -12 1476
73		7.8A	22 45.035	-0.0015	21	-14 28 28.02	-0.017	15	0.35	45.061	18	33.1	27.73	16	33.1	K0	J	12A	2065	A -14 1432
74		9.0A	22 47.856	-0.0003	15	-12 21 20.20	-0.097	17	0.32	47.862	18	33.1	18.56	16	33.1	G5	J	11	1932	A -12 1479
75		9.3A	22 50.026	-0.0041	15	-12 20 14.84	0.033	17	0.32	50.095	18	33.1	15.40	16	33.1	G	J	11	1934	
76		8.8A	22 50.438	-0.0036	15	-10 16 28.81	-0.010	15	0.30	50.499	18	33.1	26.64	16	33.1	G0	J	11	1933	A -10 1512
77		7.4A	22 51.106	-0.0023	17	-15 6 38.65	-0.004	13	0.31	51.145	18	33.1	38.59	16	33.1	A2	J	12A	2066	A -15 1377
78		8.3A	22 53.815	0.0021	18	-10 54 9.92	-0.030	20	0.36	53.779	18	33.1	9.41	16	33.1	K0	J	11	1935K	A -10 1515
79		8.1A	22 54.195	-0.0010	18	-14 23 9.88	-0.015	13	0.32	54.213	18	33.1	9.62	16	33.1	B9	J	12A	2067K	A -14 1436
80		9.1A	22 54.738	0.0002	21	-14 46 15.91	0.013	15	0.35	54.735	18	33.1	16.14	16	33.1	G0	J	12A	2068	A -14 1437
81		9.0A	22 58.115	-0.0007	15	-11 33 0.58	0.014	17	0.32	58.127	18	33.1	0.82	16	33.1	G0	J	11	1936	A -11 1481
82		8.7A	23 0.548	0.0010	15	-18 27 17.60	0.033	12	0.29	0.531	18	33.1	18.16	16	33.1	K5	J	12B	2241	A -18 1411
83		9.0A	23 1.324	-0.0014	18	-12 23 27.47	-0.032	20	0.36	1.347	18	33.1	26.93	16	33.1	G5	J	11	1937	A -12 1480
84		8.6A	23 2.762	-0.0024	15	-12 13 14.34	0.014	17	0.32	2.804	18	33.1	14.58	16	33.1	F5	J	11	1938	A -12 1481
85		8.8A	23 13.148	-0.0006	21	-16 21 41.87	0.016	15	0.35	13.157	18	33.1	42.14	16	33.1	K0	J	12A	2069	A -16 1475
86		9.0A	23 15.209	-0.0054	18	-13 18 48.87	0.041	20	0.36	15.301	18	33.1	49.58	16	33.1	A0	J	11	1939	A -13 1489
87		8.2A	23 18.285	-0.0006	21	-14 5 48.78	0.020	15	0.35	18.275	18	33.1	49.11	16	33.1	B9	J	12A	2070	A -14 1440
88		8.3A	23 23.173	0.0002	12	-19 57 49.84	0.009	09	0.24	23.170	16	33.1	50.00	16	33.1	G5	J	13A	2244	A -19 1443
89		8.8A	23 23.477	-0.0058	15	-11 17 30.85	0.013	17	0.32	23.575	18	33.1	31.07	16	33.1	A0	J	11	1941	A -11 1484
90		8.8A	23 27.735	0.0006	17	-11 13 11.00	0.039	18	0.34	27.725	18	33.1	11.66	16	33.1	G0	J	11	1942	A -11 1486
91		9.2A	23 34.289	-0.0041	15	-12 4 51.59	-0.056	17	0.32	34.339	18	33.1	50.64	16	33.1	G5	J	11	1943	A -12 1485
92		8.7A	23 36.075	-0.0008	18	-18 36 42.03	-0.016	13	0.32	36.088	18	33.1	41.75	16	33.1	F0	J	12B	2246	A -18 1417
93		8.7A	23 41.790	-0.0028	21	-16 52 34.92	0.004	15	0.35	41.837	18	33.1	34.99	16	33.1	K0	J	12A	2071	A -16 1476
94		8.8A	23 42.455	0.0001	17	-16 42 10.05	-0.022	12	0.30	42.453	18	33.1	9.68	16	33.1	F5	J	12A	2072	A -16 1479
95		8.8A	23 46.233	-0.0019	18	-11 54 44.37	-0.076	20	0.36	46.265	18	33.1	43.08	16	33.1	F2	J	11	1944	A -11 1488
96		8.8A	23 49.657	-0.0026	21	-16 10 8.10	0.017	15	0.35	49.701	18	33.1	8.39	16	33.1	F8	J	12A	2073	A -16 1481
97		8.6A	23 53.475	-0.0015	18	-15 5 23.83	-0.026	13	0.32	53.501	18	33.1	23.39	16	33.1	B8	J	12A	2074	A -15 1381
98		9.1A	23 53.949	0.0009	15	-12 34 11.93	-0.008	15	0.30	53.934	18	33.1	11.79	16	33.1	A2	J	11	1946	A -12 1488
99		8.4A	23 54.891	-0.0022	21	-15 35 37.78	0.005	15	0.35	54.929	18	33.1	37.87	16	33.1	A5	J	12A	2075	A -15 1382
00		8.3A	23 55.496	0.0006	17	-18 56 43.27	-0.003	12	0.30	55.486	18	33.1	43.22	16	33.1	K5	J	12B	2249	A -18 1421

151500

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	EPOCH 1950 μ s	EPOCH 1950 σ_μ .001"	EPOCH 1950 δ_{1950} ° ′ ″	EPOCH 1950 μ' ″	EPOCH 1950 $\sigma_{\mu'}$ .001"	EPOCH 1950 σ_{1950} ″	ORIGINAL EPOCH α_2 s	ORIGINAL EPOCH σ .01"	ORIGINAL EPOCH ep.	ORIGINAL EPOCH δ_2 ″	ORIGINAL EPOCH σ' .01"	ORIGINAL EPOCH ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	-10° 6H DM NUMBER
1		8.1A	6 23 56.044	-0.0004	12	-10 0 39.52	-0.011	12	0.26	56.050	16	33.1	39.33	16	33.1	A2	16	1968	A -9 1462
2		8.4A	23 56.781	0.0005	21	-14 27 31.51	0.007	15	0.35	56.772	18	33.1	31.62	16	33.1	F0 J	12A	2076	A -14 1442
3		9.0A	24 3.578	-0.0000	17	-13 43 19.96	0.044	18	0.34	3.579	18	33.1	20.70	16	33.1	A0 J	11	1948	A -13 1492
4		9.2A	24 3.895	-0.0024	15	-11 15 37.86	-0.075	17	0.32	3.936	18	33.1	36.59	16	33.1	G0 J	11	1947	A -11 1489
5		9.0A	24 5.371	0.0005	15	-13 41 20.79	0.029	17	0.32	5.362	18	33.1	21.27	16	33.1	A0 J	11	1949	A -13 1493
6		8.7A	24 10.139	-0.0010	17	-14 7 51.63	0.012	12	0.30	10.157	18	33.1	51.83	16	33.1	A0 J	12A	2077	A -14 1446
7		9.1A	24 15.325	-0.0004	15	-13 31 14.44	-0.022	15	0.30	15.332	18	33.1	14.06	16	33.1	K0 J	11	1951	A -13 1494
8		7.6A	24 17.010	-0.0052	18	-16 34 15.00	0.008	13	0.32	17.098	18	33.1	15.14	16	33.1	K0 J	12A	2078	A -16 1483
9		8.1A	24 17.277	0.0002	18	-19 17 38.49	-0.005	13	0.32	17.273	18	33.1	38.40	16	33.1	A2 J	12B	2252	A -19 1447
10		8.7A	24 21.460	-0.0024	21	-15 29 11.65	0.003	15	0.35	21.500	18	33.1	11.70	16	33.1	A0 J	12A	2079	A -15 1385
11		8.9A	24 21.983	0.0019	15	-18 12 7.20	-0.009	12	0.29	21.951	18	33.1	7.05	16	33.1	K7 J	12B	2253	A -18 1424
12		6.5T	24 26.158	-0.0009	12	-14 34 19.43	0.000	09	0.58	26.203	24	01.1	19.45	21	33.1	K0	GC	8347	-14 1450
13		8.8A	24 30.633	-0.0020	18	-11 10 36.03	0.014	20	0.36	30.667	18	33.1	36.27	16	33.1	G0 J	11	1952	A -11 1492
14		8.9A	24 32.298	-0.0008	18	-16 42 10.52	-0.028	13	0.32	32.311	18	33.1	10.05	16	33.1	A3 J	12A	2082	A -16 1484
15		9.0A	24 35.463	0.0017	17	-18 53 0.78	-0.096	12	0.30	35.433	18	33.1	59.15	16	33.1	G0 J	12B	2255	A -18 1425
16		9.0A	24 38.183	-0.0024	18	-17 57 32.51	-0.004	13	0.32	38.223	18	33.1	32.45	16	33.1	A0 J	12B	2257	A -17 1494
17		8.4A	24 45.327	-0.0036	21	-16 58 5.29	-0.001	15	0.35	45.388	18	33.1	5.28	16	33.1	B9 J	12A	2085	A -16 1486
18		8.8A	24 46.970	-0.0009	17	-14 39 8.91	-0.005	12	0.30	46.984	18	33.1	8.83	16	33.1	A0 J	12A	2084	A -14 1453
19		8.4A	24 54.295	-0.0025	13	-12 48 24.36	0.014	15	0.30	54.336	18	33.1	24.60	16	33.1	B9 J	11	1954	A -12 1494
20		9.1A	24 55.226	-0.0030	15	-11 46 11.80	0.005	17	0.32	55.277	18	33.1	11.89	16	33.1	A0 J	11	1953	A -11 1493
21		7.6A	24 55.901	-0.0025	21	-15 5 52.07	0.001	15	0.35	55.944	18	33.1	52.09	16	33.1	K2 J	12A	2086	A -15 1387
22		8.4A	24 58.421	-0.0013	21	-17 37 58.05	0.030	15	0.35	58.443	18	33.1	58.56	16	33.1	F0 J	12A	2087	A -17 1498
23		7.8A	25 5.929	-0.0033	21	-15 17 3.34	-0.009	15	0.35	5.986	18	33.1	3.19	16	33.1	B9 J	12A	2088	A -15 1388
24		8.5A	25 11.709	0.0001	17	-18 59 42.63	-0.002	12	0.30	11.707	18	33.1	42.59	16	33.1	G0 J	12B	2263	A -18 1427
25		7.6A	25 21.181	-0.0021	17	-15 16 26.95	0.005	12	0.30	21.217	18	33.1	27.04	16	33.1	B8 J	12A	2089	A -15 1390
26		8.8A	25 22.234	-0.0002	21	-15 44 58.05	-0.069	15	0.35	22.238	18	33.1	56.88	16	33.1	G5 J	12A	2090	A -15 1392
27		7.6A	25 25.808	0.0019	17	-19 25 19.30	-0.031	12	0.30	25.775	18	33.1	18.77	16	33.1	K2 J	12B	2269	A -19 1452
28		9.1A	25 36.523	-0.0019	15	-10 26 29.48	0.012	17	0.32	36.555	18	33.1	29.68	16	33.1	M2 J	11	1955	A -10 1533
29		9.2A	25 39.905	-0.0020	21	-17 35 49.54	-0.006	15	0.35	39.939	18	33.1	49.44	16	33.1	K5 J	12A	2091	A -17 1502
30		6.9T	25 40.723	-0.0026	16	-13 7 39.84	0.011	15	0.77	40.842	26	03.7	40.36	26	03.1	B8	GC	8384	-13 1504
31		8.7A	25 47.301	-0.0029	18	-19 3 57.93	0.016	13	0.32	47.349	18	33.1	58.20	16	33.1	G0 J	12B	2272	A -19 1454
32		9.2A	25 48.801	-0.0032	21	-16 6 16.25	0.005	15	0.35	48.855	18	33.1	16.34	16	33.1	A0 J	12A	2092	A -16 1491
33		9.0A	25 50.197	-0.0032	13	-11 19 31.22	0.021	15	0.30	50.251	18	33.1	31.58	16	33.1	A0 J	11	1957	A -11 1495
34		7.5T	25 59.093	0.0008	22	-13 1 11.68	0.016	20	1.04	59.054	26	02.8	12.46	24	01.6	B0P	GC	8393	B*-12 1500
35		9.1A	26 0.520	-0.0047	17	-10 6 27.80	-0.024	17	0.33	0.600	18	33.1	27.39	16	33.1	G0 J	11	1958	A -10 1536
36		8.7A	26 2.575	-0.0004	17	-12 49 34.50	-0.009	18	0.34	2.582	18	33.1	34.36	16	33.1	F0 J	11	1960	A -12 1502
37		7.7A	26 5.990	0.0009	17	-19 45 49.98	-0.008	12	0.30	5.975	18	33.1	49.85	16	33.1	K0 J	12B	2276	A -19 1456
38		8.7A	26 9.696	0.0001	21	-15 20 13.52	0.036	15	0.35	9.694	18	33.1	14.13	16	33.1	G5 J	12A	2093	A -15 1396
39		9.0A	26 11.260	-0.0014	21	-17 15 55.84	0.002	15	0.35	11.284	18	33.1	55.88	16	33.1	K0 J	12A	2094	A -17 1505
40		9.0A	26 13.545	-0.0022	15	-10 22 55.32	-0.009	15	0.30	13.583	18	33.1	55.17	16	33.1	K0 J	11	1961	A -10 1541
41		8.8A	26 13.826	-0.0011	15	-11 54 48.45	-0.009	17	0.32	13.845	18	33.1	48.30	16	33.1	K0 J	11	1962	A -11 1498
42		7.4T	26 16.246	-0.0023	15	-13 0 57.75	-0.007	13	0.73	16.355	24	01.9	57.41	22	99.3	A2	GC	8407	-12 1503
43		9.1A	26 22.102	0.0001	13	-10 12 11.82	0.011	13	0.28	22.101	16	33.1	12.01	16	33.1	B8	16	1991	A -10 1543
44		9.0A	26 22.682	-0.0021	13	-10 18 49.94	-0.014	15	0.30	22.718	18	33.1	49.70	16	33.1	A0 J	11	1965K	A -10 1544
45		8.5A	26 23.592	-0.0016	21	-14 5 23.39	-0.020	15	0.35	23.619	18	33.1	23.06	16	33.1	K5 J	12A	2095	A -14 1462
46		5.9T	26 24.413	-0.0009	09	-17 25 58.44	0.002	07	0.32	24.442	12	16.4	58.52	12	12.5	G5	GC	8414	-17 1506
47		8.6A	26 26.585	-0.0028	13	-11 35 36.84	0.021	15	0.30	26.633	18	33.1	37.20	16	33.1	A2 J	11	1967	A -11 1499
48		9.0A	26 31.320	-0.0004	12	-19 39 28.40	0.020	09	0.25	31.327	18	33.1	28.75	16	33.1	A0 J	12B	2281	A -19 1458
49		9.2A	26 34.506	-0.0036	15	-14 5 54.71	-0.010	15	0.30	34.568	18	33.1	54.53	16	33.1	A0 J	11	1969	A -14 1463
50		7.8A	26 35.701	-0.0039	18	-11 13 45.91	-0.015	20	0.36	35.768	18	33.1	45.66	16	33.1	B8 J	11	1968	A -11 1500
51		8.8A	6 26 45.573	-0.0031	18	-15 49 37.56	-0.013	13	0.32	45.625	18	33.1	37.34	16	33.1	F0 J	12A	2097	A -15 1399
52		9.1A	26 52.526	-0.0011	15	-11 12 21.09	-0.004	17	0.32	52.545	18	33.1	21.02	16	33.1	F2 J	11	1971	A -11 1503
53		8.8A	26 54.925	0.0022	15	-18 53 24.44	-0.055	12	0.29	54.887	18	33.1	23.50	16	33.1	F8 J	12B	2284	A -18 1436
54		8.8A	26 58.331	-0.0020	17	-11 46 8.60	0.014	18	0.34	58.366	18	33.1	8.84	16	33.1	G5 J	11	1973	A -11 1505
55		8.6A	26 58.472	0.0001	21	-14 19 25.09	-0.000	15	0.35	58.471	18	33.1	25.08	16	33.1	K5 J	12A	2098	A -14 1466
56		8.8A	26 58.590	-0.0007	15	-10 23 54.31	-0.027	17	0.32	58.601	18	33.1	53.85	16	33.1	K0 J	11	1972	A -10 1547
57		8.0A	26 59.033	-0.0002	18	-14 10 53.83	0.003	13	0.32	59.037	18	33.1	53.87	16	33.1	B8 J	12A	2099	A -14 1467
58		8.1A	27 7.970	-0.0034	15	-11 25 47.26	-0.021	17	0.32	8.027	18	33.1	46.91	16	33.1	A2 J	11	1975	A -11 1506
59		8.2A	27 8.823	-0.0012	21	-17 46 43.23	0.023	15	0.35	8.843	18	33.1	43.62	16	33.1	A0 J	12A	2100	A -17 1512
60		8.9A	27 14.167	-0.0027	15	-12 57 39.31	0.026	17	0.32	14.212	18	33.1	39.75	16	33.1	K0 J	11	1976	A -12 1505
61		7.8A	27 24.365	-0.0021	21	-16 58 37.26	-0.018	15	0.35	24.400	18	33.1	36.96	16	33.1	B9 J	12A	2101	A -16 1500
62		8.5A	27 29.906	-0.0007	17	-14 19 38.29	0.012	13	0.31	29.918	18	33.1	38.49	16	33.1	A0 J	12A	2102	A -14 1471
63		8.6A	27 36.227	-0.0021	21	-15 8 43.29	0.006	15	0.35	36.263	18	33.1	43.40	16	33.1	K2 J	12A	2103	A -15 1403
64		9.1A	27 37.433	-0.0032	15	-10 46 26.15	-0.014	15	0.30	37.487	18	33.1	25.91	16	33.1	A2 J	11	1977	A -10 1551
65		8.9A	27 37.665	-0.0036	13	-18 28 20.55	-0.012	11	0.26	37.726	18	33.1	20.35	16	33.1	A3 J	12B	2288	A -18 1444
66		9.0A	27 38.416	0.0002	18	-18 23 26.16	-0.014	13	0.32	38.412	18	33.1	25.93	16	33.1	M J	12B	2289	A -18 1443
67		9.2A	27 38.422	-0.0027	18	-17 20 20.19	-0.012	13	0.32	38.468	18	33.1	19.99	16	33.1	A0 J	12A	2104	A -17 1513
68		8.8A	27 42.470	-0.0028	21	-16 1 30.22	0.002	15	0.35	42.517	18	33.1	30.26	16	33.1	F0 J	12A	2105	A -15 1406
69		8.8A	27 43.241	-0.0011	15	-11 41 29.45	0.013	17	0.32	43.261	18	33.1	29.67	16	33.1	A0 J	11	1978	A -11 1510
70		8.4A	27 45.545	-0.0002	21	-15 41 20.98	-0.001	15	0.35	45.548	18	33.1	20.97	16	33.1	K0 J	12A	2106	A -15 1407
71		7.9A	27 46.342	-0.0018	15	-10 42 48.00	-0.017	15	0.30	46.373	18	33.1	47.72	16	33.1	G5 J	11	1979	A -10 1552
72		8.9A	27 47.897	-0.0113	17	-11 46 30.37	0.051	18	0.34	48.088	18	33.1	31.24	16	33.1	K0 J	11	1981	A -11 1512
73		6.1T	27 49.294	-0.0015	07	-10 2 47.12	-0.010	06	0.27	49.348	10	15.0	46.74	10	11.5	K0	GC	8439	-9 1493
74		9.0A	27 49.497	-0.0006	17	-13 44 33.43	0.052	18	0.34	49.507	18	33.1	34.30	16	33.1	F0 J	11	1982	A -13 1517
75		8.7A	27 51.233	-0.0023	17	-14 23 23.32	-0.004	12	0.30	51.273	18	33.1	23.25	16	33.1	F0 J	12A	2107	A -14 1473
76		8.0A	27 53.906	-0.0012	15	-12 19 5.48	0.008	15	0.30	53.927	18	33.1	5.62	16	33.1	K0 J	11	1983	A -12 1507
77		6.7T	28 1.226	0.0021	15	-19 10 46.02	-0.027	13	0.69	1.130	21	03.4	44.71	19	01.9	M0	GC	8443	-19 1464
78		9.4A	28 4.031	-0.0004	21	-15 43 55.74	-0.040	15	0.35	4.038	18	33.1	55.06	16	33.1	F0 J	12A	2108	A -15 1408
79		8.5A	28 4.599	-0.0011	17	-10 33 26.24	-0.003	18	0.34	4.618	18	33.1	26.19	16	33.1	F0 J	11	1985	A -10 1555
80		8.1A	28 10.347	-0.0009	21	-16 54 26.37	-0.059	15	0.35	10.362	18	33.1	25.37	16	33.1	G5 J	12A	2111	A -16 1504
81		8.4A	28 10.711	-0.0005	21	-15 3 59.99	-0.010	15	0.35	10.719	18	33.1	59.81	16	33.1	B8 J	12A	2110	A -15 1410
82		6.7T	28 13.443	-0.0024	26	-12 2 44.47	-0.006	26	1.19	13.550	26	04.8	44.21	24	03.8	K0	GC	8446	-11 1514
83		6.8T	28 13.698	-0.0010	17	-14 55 6.91	0.011	14	0.73	13.743	21	05.7	7.43	19	03.4	B8	GC	8447K	-14 1476
84		8.8A	28 14.825	-0.0035	17	-12 26 58.98	0.015	20	0.35	14.884	18	33.1	59.24	16	33.1	K0 J	11	1987	A -12 1510
85		6.1T	28 16.535	-0.0021	14	-13 6 45.30	-0.001	12	0.68	16.633	24	02.6	45.26	22	98.1	B3	GC	8450K	-13 1519
86		9.6A	28 19.951	-0.0023	21	-14 23 30.82	0.016	15	0.35	19.990	18	33.1	31.09	16	33.1	F0 J	12A	2113	A -14 1477
87		7.7T	28 27.670	-0.0122	22	-17 53 0.69	-0.219	17	0.96	28.228	22	04.4	49.89	19	00.6	G5	GC	8456	-17 1515
88		9.0A	28 35.753	0.0001	18	-13 37 49.27	0.026	20	0.36	35.752	18	33.1	49.71	16	33.1	A0 J	11	1989	A -13 1521
89		8.7A	28 36.917	0.0003	15	-12 48 6.05	0.018	15	0.30	36.911	18	33.1	6.36	16	33.1	F2 J	11	1990	A -12 1516
90		8.8A	28 37.348	0.0004	15	-12 28 19.54	0.026	17	0.32	37.342	18	33.1	19.98	16	33.1	G5 J	11	1991	A -12 1515
91		8.7A	28 40.629	-0.0016	17	-14 59 24.46	0.023	15	0.32	40.657	18	33.1	24.86	16	33.1	A3 J	12A	2116	A -14 1479
92		8.9A	28 40.733	-0.0012	13	-18 9 1.57	-0.026	11	0.26	40.753	18	33.1	1.13	16	33.1	K5 J	12B	2299	A -18 1455
93		8.6A	28 40.921	-0.0017	21	-16 14 53.22	-0.014	15	0.35	40.950	18	33.1	52.99	16	33.1	A5 J	12A	2118	A -16 1506
94		8.2A	28 40.952	-0.0003	18	-14 42 40.28	-0.001	13	0.32	40.957	18	33.1	40.27	16	33.1	K2 J	12A	2115	A -14 1480
95		8.4A	28 43.175	0.0003	21	-14 27 10.38	-0.000	15	0.35	43.171	18	33.1	10.37	16	33.1	B9 J	12A	2117	A -14 1481
96		8.6A	28 51.143	-0.0030	18	-10 22 26.64	0.019	20	0.36	51.194	18	33.1	26.96	16	33.1	A2 J	11	1992	A -10 1557
97		8.3A	28 55.338	-0.0020	21	-16 39 42.51	0.006	15	0.35	55.371	18	33.1	42.62	16	33.1	G5 J	12A	2120	A -16 1509
98		8.4A	28 55.661	-0.0026	21	-16 36 20.80	-0.016	15	0.35	55.705	18	33.1	20.53	16	33.1	M0 J	12A	2121	A -16 1508
99		8.1A	28 57.875	-0.0023	15	-13 33 56.61	0.009	17	0.32	57.914	18	33.1	56.76	16	33.1	F0 J	11	1994	A -13 1523
00		9.0A	29 0.043	0.0003	18	-13 27 2.77	0.007	20	0.36	0.038	18	33.1	2.90	16	33.1	G0 J	11	1995	A -13 1524

151600

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	EPOCH 1950 μ s	EPOCH 1950 σ_μ ″.001	EPOCH 1950 δ_{1950} ° ′ ″	EPOCH 1950 μ' ″	EPOCH 1950 $\sigma_{\mu'}$ ″.001	EPOCH 1950 σ_{1950} ″	ORIGINAL EPOCH α_2 s	ORIGINAL EPOCH σ ″.01	ORIGINAL EPOCH ep.	ORIGINAL EPOCH δ_2 ″	ORIGINAL EPOCH σ' ″.01	ORIGINAL EPOCH ep.	SP.		SOURCE CAT.	SOURCE STAR NUMBER	-10° 6H DM NUMBER
1		9.0A	6 29 0.477	-0.0000	16	-10 58 22.65	-0.016	20	0.36	0.478	18	33.1	22.38	16	33.1	F2	J	11	1993	A -10 1559
2		5.3T	29 3.664	0.0023	07	-12 21 17.82	-0.018	07	0.32	3.569	12	09.2	17.05	12	06.8	K0		GC	8470	B*-12 1518
3		8.0A	29 4.623	-0.0001	17	-12 11 24.46	-0.005	18	0.34	4.624	18	33.1	24.38	16	33.1	G5	J	11	1997	A -12 1519
4		6.8T	29 5.372	0.0020	22	-12 31 21.71	0.013	18	0.92	5.287	29	08.3	22.29	29	06.2	B5		GC	8473	-12 1520
5		9.0A	29 10.559	-0.0003	15	-13 23 25.41	0.014	17	0.32	10.565	18	33.1	25.65	16	33.1	K5	J	11	1999	A -13 1525
6		8.9A	29 14.137	0.0005	15	-13 40 48.98	0.025	15	0.30	14.129	18	33.1	49.40	16	33.1	K5	J	11	2000	A -13 1526
7		8.8A	29 15.763	0.0017	21	-16 21 41.67	-0.015	15	0.35	15.733	18	33.1	41.42	16	33.1	A0	J	12A	2122	A -16 1513
8		9.0A	29 16.710	-0.0019	21	-17 27 17.81	-0.009	15	0.35	16.742	18	33.1	17.66	16	33.1	G5	J	12A	2124	A -17 1518
9		9.0A	29 17.700	-0.0040	21	-16 13 36.75	-0.026	15	0.35	17.767	18	33.1	36.31	16	33.1	G0	J	12A	2123	A -16 1514
10		9.0A	29 24.459	-0.0015	18	-19 11 36.82	0.020	13	0.32	24.483	18	33.1	37.16	16	33.1	K5	J	12B	2303	A -19 1471
11		8.8A	29 25.333	-0.0037	21	-15 36 50.71	0.024	15	0.35	25.395	18	33.1	51.12	16	33.1	G5	J	12A	2125	A -15 1415
12		9.1A	29 26.592	-0.0001	21	-16 25 50.64	0.013	15	0.35	26.594	18	33.1	50.86	16	33.1	F8	J	12A	2126	A -16 1515
13		8.0A	29 43.308	-0.0015	21	-15 26 31.65	0.014	15	0.35	43.334	18	33.1	31.89	16	33.1	K2	J	12A	2127	A -15 1416
14		6.8T	29 43.524	-0.0005	07	-18 1 31.37	-0.013	06	0.41	43.555	17	92.2	30.61	14	89.4	K0		GC	8495	-17 1521
15		8.4A	29 52.684	-0.0006	16	-14 6 14.02	-0.010	13	0.32	52.697	18	33.1	13.84	16	33.1	M2	J	12A	2129	A -14 1486
16		8.6A	29 59.465	-0.0031	21	-14 29 1.66	-0.007	15	0.35	59.517	18	33.1	1.54	16	33.1	K0	J	12A	2130	A -14 1487
17		9.0A	30 7.860	-0.0011	21	-17 35 30.70	0.007	15	0.35	7.879	18	33.1	30.83	16	33.1	F5	J	12A	2132	A -17 1524
18		9.0A	30 8.268	-0.0007	12	-10 1 21.61	-0.014	12	0.26	8.280	16	33.1	21.36	16	33.1	F5		16	2018	A -9 1510
19		8.3A	30 10.157	-0.0019	18	-14 48 7.74	0.041	13	0.32	10.190	18	33.1	8.44	16	33.1	K0	J	12A	2131	A -14 1489
20		9.1A	30 13.400	-0.0029	15	-18 1 56.91	-0.015	12	0.29	13.449	18	33.1	56.66	16	33.1	A0	J	12B	2311	A -17 1526
21		8.8A	30 17.595	-0.0028	18	-13 16 30.88	0.044	20	0.36	17.643	18	33.1	31.62	16	33.1	K0	J	11	2003	A -13 1536
22		9.0A	30 22.922	-0.0008	17	-19 43 32.41	0.024	12	0.30	22.935	18	33.1	32.82	16	33.1	G0	J	12B	2314	A -19 1478
23		9.0A	30 24.425	0.0009	21	-15 38 9.30	0.006	15	0.35	24.409	18	33.1	9.41	16	33.1	K0	J	12A	2134	A -15 1422
24		8.2A	30 25.230	-0.0002	21	-15 48 1.87	0.014	15	0.35	25.234	18	33.1	2.11	16	33.1	A2	J	12A	2135	A -15 1423
25		6.4T	30 26.257	-0.0009	08	-11 7 41.62	-0.002	07	0.44	26.303	15	96.8	41.48	14	91.0	K0p		GC	8510	-11 1520
26		9.2A	30 30.541	-0.0015	18	-11 55 31.08	-0.016	20	0.36	30.568	18	33.1	30.80	16	33.1	K0	J	11	2005	A -11 1523
27		7.9A	30 30.794	-0.0009	15	-12 1 5.74	0.006	17	0.32	30.809	18	33.1	5.84	16	33.1	B5	J	11	2006	A -11 1524
28		9.0A	30 34.146	-0.0039	12	-10 3 10.14	-0.020	12	0.26	34.212	16	33.1	9.79	16	33.1	K0		16	2023	A -9 1513
29		8.1A	30 35.010	-0.0031	18	-17 40 17.04	-0.018	13	0.32	35.062	18	33.1	16.75	16	33.1	B9	J	12A	2136	A -17 1528
30		8.6A	30 36.455	0.0013	15	-19 58 56.75	-0.023	12	0.28	36.433	16	33.1	56.37	16	33.1	K2	J	13A	2317	A -19 1480
31		8.9A	30 38.674	-0.0039	18	-10 59 25.62	-0.003	20	0.36	38.740	18	33.1	25.56	16	33.1	G0	J	11	2008	A -10 1572
32		8.5A	30 48.344	-0.0026	18	-12 52 0.82	0.027	20	0.36	48.389	18	33.1	1.27	16	33.1	F5	J	11	2009	A -12 1536
33		6.6A	30 55.282	0.0010	17	-14 3 23.11	-0.002	12	0.30	55.264	18	33.1	23.08	16	33.1	F8	J	12A	2137	A -13 1542
34		9.1A	30 59.101	-0.0029	21	-17 27 1.30	-0.069	15	0.35	59.149	18	33.1	0.13	16	33.1	K0	J	12A	2139	A -17 1532
35		8.0A	31 1.873	0.0016	21	-14 46 30.39	-0.022	15	0.35	1.845	18	33.1	30.01	16	33.1	B9	J	12A	2138	A -14 1490
36		8.8A	31 8.963	0.0010	21	-15 29 46.16	-0.023	15	0.35	8.946	18	33.1	45.77	16	33.1	K0	J	12A	2140	A -15 1427
37		8.7A	31 11.131	-0.0009	15	-18 2 15.55	-0.007	12	0.29	11.147	18	33.1	15.43	16	33.1	G5	J	12B	2319	A -17 1533
38		8.9A	31 12.457	-0.0004	18	-10 20 37.06	-0.014	20	0.36	12.463	18	33.1	36.82	16	33.1	A0	J	11	2011	A -10 1574
39		9.1A	31 20.801	-0.0014	15	-12 3 9.54	0.024	17	0.32	20.825	18	33.1	9.94	16	33.1	B9	J	11	2013	A -11 1530
40		8.4A	31 21.357	0.0012	18	-11 49 9.30	-0.079	20	0.36	21.338	18	33.1	7.96	16	33.1	A2	J	11	2014	A -11 1529
41		9.1A	31 22.890	-0.0016	13	-18 6 25.74	-0.014	11	0.26	22.916	18	33.1	25.51	16	33.1	F8	J	12B	2321	A -18 1466
42		8.8A	31 23.006	0.0005	18	-13 18 18.09	0.008	20	0.36	22.998	18	33.1	18.22	16	33.1	K0	J	11	2015	A -13 1545
43		8.9A	31 26.112	0.0004	18	-13 37 26.81	0.058	20	0.36	26.105	18	33.1	27.80	16	33.1	G0	J	11	2016	A -13 1546
44		8.4A	31 29.654	-0.0019	18	-14 8 9.16	-0.017	13	0.32	29.685	18	33.1	8.86	16	33.1	A0	J	12A	2143	A -14 1493
45		8.8A	31 39.471	0.0039	18	-10 41 33.47	-0.068	20	0.36	39.404	18	33.1	32.31	16	33.1	F5	J	11	2018	A -10 1580
46		8.8A	31 42.306	-0.0013	21	-14 45 1.12	-0.025	15	0.35	42.327	18	33.1	0.69	16	33.1	B9	J	12A	2144	A -14 1494
47		8.4A	31 42.527	0.0005	18	-11 26 7.61	0.010	20	0.36	42.518	18	33.1	7.77	16	33.1	F5	J	11	2019	A -11 1533
48		9.2A	31 44.634	-0.0018	12	-10 0 27.50	0.034	12	0.26	44.664	16	33.1	28.06	16	33.1	G0		16	2036	A -9 1521
49		8.2A	31 53.916	0.0014	21	-15 31 36.53	0.009	15	0.35	53.892	18	33.1	36.69	16	33.1	G5	J	12A	2145	A -15 1431
50		9.0A	32 1.980	-0.0010	17	-16 15 17.54	-0.018	12	0.30	1.996	18	33.1	17.24	16	33.1	K0	J	12A	2146	A -16 1526
51	6	8.6A	32 4.385	-0.0020	17	-12 25 57.58	0.004	18	0.34	4.418	18	33.1	57.64	16	33.1	A0	J	11	2021	A -12 1544
52		7.8A	32 5.185	-0.0019	21	-15 58 16.99	0.037	15	0.35	5.217	18	33.1	17.62	16	33.1	F5	J	12A	2147	A -15 1432
53		8.1A	32 11.458	-0.0013	18	-11 11 21.86	-0.016	20	0.36	11.480	18	33.1	21.58	16	33.1	F0	J	11	2022K	A -11 1536
54		8.6A	32 17.515	-0.0018	21	-15 59 38.95	-0.015	15	0.35	17.546	18	33.1	38.70	16	33.1	F5	J	12A	2148	A -15 1433
55		8.3A	32 19.798	-0.0002	18	-18 46 18.04	-0.015	15	0.33	19.801	18	33.1	17.78	16	33.1	A3	J	12B	2327	A -18 1468
56		9.0A	32 21.035	-0.0022	21	-17 19 26.26	0.023	15	0.35	21.071	18	33.1	26.65	16	33.1	B9	J	12A	2149	A -17 1540
57		9.2A	32 27.288	0.0001	21	-15 24 56.99	-0.014	15	0.35	27.286	18	33.1	56.76	16	33.1	A0	J	12A	2150	A -15 1435
58		8.2A	32 30.912	-0.0016	17	-12 11 16.81	-0.002	18	0.34	30.940	18	33.1	16.77	16	33.1	A3	J	11	2023	A -12 1545
59		9.0A	32 33.481	-0.0024	21	-16 8 4.81	-0.011	15	0.35	33.522	18	33.1	4.63	16	33.1	A2	J	12A	2151	A -16 1531
60		8.6A	32 35.475	-0.0024	21	-15 59 48.51	-0.005	15	0.35	35.513	18	33.1	48.43	16	33.1	F0	J	12A	2152	A -15 1437
61		8.4A	32 36.400	0.0007	18	-19 54 43.18	0.058	13	0.32	36.388	18	33.1	44.17	16	33.1	B8	J	12B	2329	A -19 1489
62		8.2A	32 39.966	-0.0002	21	-15 17 17.59	0.046	15	0.35	39.970	18	33.1	18.37	16	33.1	F8	J	12A	2153	A -15 1438
63		9.0A	32 40.454	-0.0009	17	-17 59 11.25	-0.010	12	0.30	40.469	18	33.1	11.08	16	33.1	A0	J	12B	2331	A -17 1542
64		7.6A	32 41.014	-0.0001	17	-19 36 22.11	-0.016	13	0.31	41.016	18	33.1	21.84	16	33.1	K5	J	12B	2333	A -19 1491
65		7.7Q	32 43.602	0.0056	17	-12 33 52.53	-0.164	17	0.72	43.373	18	09.3	45.76	19	08.8	F8		GC	8572	-12 1547
66		8.7A	33 1.325	-0.0017	18	-11 38 21.35	-0.011	20	0.36	1.354	18	33.1	21.16	16	33.1	G5	J	11	2027	A -11 1546
67		8.8A	33 2.624	-0.0007	18	-10 32 35.19	-0.035	20	0.36	2.636	18	33.1	34.59	16	33.1	K2	J	11	2026	A -10 1595
68		9.0A	33 3.242	0.0003	21	-15 13 4.49	-0.005	15	0.35	3.237	18	33.1	4.41	16	33.1	F5	J	12A	2156	A -15 1441
69		9.1A	33 3.976	-0.0003	21	-16 58 52.26	-0.008	15	0.35	3.981	18	33.1	52.13	16	33.1	G5	J	12A	2157	A -16 1536
70		8.7A	33 6.214	-0.0015	18	-11 56 50.98	0.035	20	0.36	6.241	18	33.1	51.57	16	33.1	A2	J	11	2028	A -11 1547
71		9.0A	33 6.850	-0.0014	18	-13 15 14.53	0.031	20	0.36	6.874	18	33.1	15.05	16	33.1	A0	J	11	2029	A -13 1556
72		8.0A	33 18.511	-0.0015	18	-15 57 57.58	-0.016	13	0.32	18.536	18	33.1	57.31	16	33.1	F0	J	12A	2160	A -15 1446
73		8.9A	33 18.780	-0.0044	21	-15 15 47.62	-0.017	15	0.35	18.855	18	33.1	47.34	16	33.1	G	J	12A	2159	A -15 1445
74		8.6A	33 18.813	-0.0007	21	-15 13 18.47	-0.012	15	0.35	18.825	18	33.1	18.27	16	33.1	F5	J	12A	2158	A -15 1444
75		8.9A	33 24.812	-0.0001	17	-10 25 8.94	-0.026	18	0.34	24.813	18	33.1	8.49	16	33.1	A0	J	11	2031	A -10 1598
76		8.7A	33 25.917	0.0006	17	-13 54 15.29	0.030	12	0.30	25.906	18	33.1	15.79	16	33.1	G0	J	12A	2161	A -13 1559
77		9.0A	33 27.068	-0.0002	18	-18 27 9.20	0.025	13	0.32	27.072	18	33.1	9.64	16	33.1	F0	J	12B	2342	A -18 1474
78		8.6A	33 27.944	-0.0053	18	-10 55 51.37	-0.031	20	0.36	28.034	18	33.1	50.84	16	33.1	K0	J	11	2032	A -10 1599
79		8.9A	33 30.957	-0.0007	18	-13 42 17.94	0.052	20	0.36	30.968	18	33.1	18.82	16	33.1	A0	J	11	2036	A -13 1560
80		7.8A	33 33.675	-0.0009	18	-11 19 56.63	-0.020	20	0.36	33.690	18	33.1	56.28	16	33.1	K0	J	11	2035	A -11 1550
81		7.4A	33 36.097	-0.0023	21	-16 3 38.75	-0.001	15	0.35	36.136	18	33.1	38.74	16	33.1	B9	J	12A	2162	A -15 1448
82		9.2A	33 39.590	0.0011	15	-12 55 36.13	0.039	17	0.32	39.572	18	33.1	36.78	16	33.1	G0	J	11	2037	A -12 1554
83		8.9A	33 39.934	-0.0005	17	-18 16 1.55	-0.002	12	0.30	39.943	18	33.1	1.52	16	33.1	A0	J	12B	2344	A -18 1476
84		8.6A	33 44.318	-0.0004	18	-16 45 44.18	-0.033	13	0.32	44.324	18	33.1	43.62	16	33.1	A0	J	12A	2163	A -16 1537
85		8.9A	33 44.574	-0.0039	20	-11 46 27.16	-0.012	20	0.37	44.640	18	33.1	26.95	16	33.1	F0	J	11	2038	A -11 1551
86		8.9A	33 46.502	-0.0014	17	-12 53 57.27	-0.008	17	0.33	46.526	18	33.1	57.13	16	33.1	B9	J	11	2039	A -12 1556
87		8.8A	33 47.875	0.0003	17	-12 47 28.76	-0.094	18	0.34	47.871	18	33.1	27.16	16	33.1	K0	J	11	2040	A -12 1557
88		9.0A	33 51.014	-0.0002	17	-10 47 25.07	0.010	18	0.34	51.018	18	33.1	25.23	16	33.1	B9	J	11	2041	A -10 1602
89		9.1A	33 51.548	-0.0014	15	-13 45 23.96	0.033	17	0.32	51.571	18	33.1	24.51	16	33.1	K2	J	11	2042	A -13 1561
90		8.9A	33 56.150	-0.0007	17	-13 23 13.19	0.011	18	0.34	56.162	18	33.1	13.37	16	33.1	A0	J	11	2043	A -13 1562
91		8.9A	33 56.377	-0.0006	21	-15 9 39.50	0.007	15	0.35	56.387	18	33.1	39.62	16	33.1	A3	J	12A	2164	A -15 1449
92		8.0A	34 10.071	-0.0007	18	-19 26 57.19	0.032	13	0.32	10.083	18	33.1	57.72	16	33.1	A0	J	12B	2348	A -19 1501
93		7.9Q	34 10.124	-0.0023	07	-18 37 4.22	0.034	07	0.41	10.245	15	96.8	6.11	15	94.0	G0		GC	8613K	-18 1478
94		5.8T	34 11.405	-0.0012	03	-18 37 2.99	0.015	03	0.16	11.462	06	01.5	3.69	07	02.6	G5		GC	8614K	B*-18 1480
95		8.8A	34 12.425	-0.0014	20	-18 18 23.48	-0.011	15	0.34	12.448	18	33.1	23.31	16	33.1	F5	J	12B	2350	A -18 1481
96		9.0A	34 16.218	-0.0007	17	-10 56 8.18	-0.007	18	0.34	16.230	18	33.1	8.05	16	33.1	G5	J	11	2045	A -10 1604
97		8.9A	34 23.457	-0.0009	18	-11 32 2.94	-0.039	20	0.36	23.472	18	33.1	2.27	16	33.1	K5	J	11	2046	A -11 1553
98		8.8A	34 23.627	-0.0013	18	-13 9 56.01	-0.019	20	0.36	23.649	18	33.1	55.68	16	33.1	F0	J	11	2047	A -13 1568
99		8.4A	34 25.151	0.0033	18	-13 44 47.08	0.014	20	0.36	25.095	18	33.1	47.31	16	33.1	G5	J	11	2048	A -13 1569
00		6.4T	34 28.517	0.0003	18	-13 16 38.94	-0.026	17	0.89	28.502	26	02.3	37.63	24	00.4	K0		GC	8623	-13 1570

151700

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.		SOURCE CAT.	STAR NUMBER	DM NUMBER
1		8.2A	6 34 29.610	0.0000	15	-11 22 58.62	0.002	17	0.32	29.609	18	33.1	58.64	16	33.1	F0	J	11	2049	A -11 1554
2		4.1T	34 30.105	0.0040	03	-19 12 43.33	-0.077	03	0.21	29.857	09	88.5	38.85	10	92.0	K0		GC	8624	B*-19 1502
3		8.8A	34 32.625	-0.0027	21	-17 11 30.89	0.011	15	0.35	32.671	18	33.1	31.08	16	33.1	A2	J	12A	2165	A -17 1554
4		8.8A	34 35.284	-0.0003	15	-12 48 29.16	0.028	15	0.30	33.229	18	33.1	29.63	16	33.1	B9	J	11	2051	A -12 1559
5		9.1A	34 41.202	0.0030	17	-10 50 42.21	-0.015	18	0.34	41.152	18	33.1	41.95	16	33.1	A3	J	11	2052	A -10 1606
6		8.5A	34 44.932	0.0033	18	-12 41 45.20	0.095	20	0.36	44.877	18	33.1	46.80	16	33.1	G0	J	11	2053	A -12 1562
7		8.0A	34 46.574	0.0015	21	-16 18 48.01	0.004	15	0.35	46.548	18	33.1	48.08	16	33.1	B9	J	12A	2166	A -16 1542
8		9.0A	34 48.869	0.0017	20	-13 45 27.41	0.043	20	0.37	48.840	18	33.1	28.13	16	33.1	G5	J	11	2055	A -13 1572
9		9.0A	34 49.529	-0.0013	15	-11 18 45.25	-0.067	17	0.32	49.550	18	33.1	44.10	16	33.1	A2	J	11	2054	A -11 1558
10		8.7A	34 55.893	0.0012	21	-15 27 17.05	-0.012	15	0.35	55.873	18	33.1	16.85	16	33.1	A2	J	12A	2170	A -15 1454
11		8.8A	35 2.279	-0.0009	17	-18 53 19.38	0.033	13	0.31	2.293	18	33.1	19.93	16	33.1	K2	J	12B	2360	A -18 1486
12		8.4A	35 3.299	-0.0009	18	-18 29 23.56	0.008	13	0.32	3.314	18	33.1	23.70	16	33.1	K2	J	12B	2361	A -18 1487
13		8.0A	35 5.813	-0.0012	21	-17 54 9.59	0.014	15	0.35	5.833	18	33.1	9.83	16	33.1	F0	J	12A	2171	A -17 1560
14		8.7A	35 8.733	-0.0028	18	-12 38 24.02	0.020	20	0.36	8.781	18	33.1	24.35	16	33.1	K0	J	11	2058	A -12 1563
15		8.6A	35 10.385	-0.0017	21	-14 55 15.26	-0.053	15	0.35	10.414	18	33.1	14.35	16	33.1	F8	J	12A	2172	A -14 1512
16		9.1A	35 10.649	-0.0004	18	-10 51 50.36	0.033	20	0.36	10.657	18	33.1	50.91	16	33.1	K0	J	11	2057	A -10 1608
17		8.7A	35 11.212	-0.0037	20	-11 25 16.83	-0.017	20	0.37	11.274	18	33.1	16.53	16	33.1	K0	J	11	2059	A -11 1561
18		8.7A	35 14.257	-0.0009	17	-12 47 11.40	0.005	18	0.34	14.272	18	33.1	11.48	16	33.1	K0	J	11	2060	A -12 1565
19		8.3A	35 16.179	0.0000	21	-13 57 15.71	0.085	15	0.35	16.178	18	33.1	17.14	16	33.1	G5	J	12A	2173	A -13 1574
20		8.7A	35 16.391	-0.0027	17	-11 38 16.06	-0.021	18	0.34	16.437	18	33.1	15.70	16	33.1	A2	J	11	2061	A -11 1564
21		8.6A	35 16.896	0.0001	18	-19 45 3.30	0.018	13	0.32	16.895	18	33.1	3.61	16	33.1	B8	J	12B	2365	A -19 1506
22		9.3A	35 18.938	-0.0019	12	-10 7 14.53	0.006	12	0.26	18.969	16	33.1	14.62	16	33.1	F	R	16	2064	A -10 1610
23		9.1A	35 19.448	-0.0050	18	-10 6 33.95	0.005	20	0.36	19.532	18	33.1	34.02	16	33.1	A	J	11	2062	A -10 1610
24		9.0A	35 22.071	-0.0009	21	-15 21 3.73	-0.024	15	0.35	22.087	18	33.1	3.33	16	33.1	A5	J	12A	2174	A -15 1456
25		6.2T	35 22.241	0.0016	10	-12 56 20.86	-0.126	08	0.36	22.182	14	13.8	15.98	14	11.4	K0		GC	8656	-12 1566
26		8.1A	35 29.954	-0.0013	21	-16 58 6.72	-0.024	15	0.35	29.976	18	33.1	6.32	16	33.1	K5	J	12A	2175	A -16 1546
27		8.9A	35 32.102	0.0010	18	-19 15 54.36	0.012	13	0.32	32.085	18	33.1	54.56	16	33.1	K0	J	12B	2367	A -19 1507
28		8.6A	35 32.228	-0.0025	18	-15 54 0.49	-0.007	13	0.32	32.269	18	33.1	0.38	16	33.1	A0	J	12A	2176	A -15 1459
29		8.0A	35 35.406	-0.0027	21	-14 24 42.89	0.010	15	0.35	35.452	18	33.1	43.05	16	33.1	K0	J	12A	2177	A -14 1515
30		4.6T	35 41.389	-0.0011	03	-18 11 34.09	-0.009	04	0.22	41.450	10	93.6	33.63	10	96.7	K0		GC	8660	B*-18 1492
31		8.2A	35 44.902	-0.0011	21	-17 10 40.93	0.009	15	0.35	44.921	18	33.1	41.09	16	33.1	A2	J	12A	2179	A -17 1564
32		8.9A	35 45.742	-0.0010	15	-13 25 33.16	0.036	17	0.32	45.759	18	33.1	33.76	16	33.1	K0	J	11	2065	A -13 1577
33		8.6A	35 49.872	-0.0010	18	-14 3 10.21	0.031	13	0.32	49.888	18	33.1	10.73	16	33.1	K5	J	12A	2180	A -13 1580
34		9.1A	35 58.659	-0.0034	18	-11 30 13.19	-0.001	20	0.36	58.718	18	33.1	13.17	16	33.1	A0	J	11	2067	A -11 1568
35		9.3A	36 4.155	-0.0006	17	-15 39 43.72	-0.018	12	0.30	4.165	18	33.1	43.42	16	33.1	F2	J	12A	2181	A -15 1461
36		8.8A	36 7.251	-0.0008	17	-13 0 24.43	0.030	18	0.34	7.265	18	33.1	24.93	16	33.1	K0	J	11	2069	A -12 1571
37		5.9T	36 21.689	-0.0010	08	-16 49 40.49	-0.025	09	0.30	21.721	10	17.8	39.64	12	15.8	A0		GC	8679	-16 1554
38		8.7A	36 24.182	-0.0007	18	-13 12 23.22	0.115	20	0.36	24.194	18	33.1	25.16	16	33.1	K0	J	11	2070	A -13 1585
39		8.9A	36 25.276	0.0017	18	-13 5 35.49	-0.036	20	0.36	25.248	18	33.1	34.87	16	33.1	G5	J	11	2071	A -13 1586
40		8.9A	36 26.527	-0.0008	17	-17 55 26.09	0.006	12	0.30	26.541	18	33.1	26.19	16	33.1	A3	J	12B	2375	A -17 1567
41		9.1A	36 28.188	-0.0001	21	-17 53 11.80	-0.006	15	0.35	28.190	18	33.1	11.70	16	33.1	A0	J	12A	2184	A -17 1568
42		6.9T	36 31.006	-0.0009	12	-16 12 54.63	-0.003	12	0.59	31.046	22	04.5	54.50	21	03.8	A0		GC	8683	-16 1556
43		8.7A	36 37.753	-0.0017	18	-14 47 38.85	-0.013	13	0.32	37.781	18	33.1	38.62	16	33.1	F5	J	12A	2186	A -14 1523
44		8.9A	36 39.760	-0.0039	21	-15 55 26.73	-0.011	15	0.35	39.825	18	33.1	26.55	16	33.1	A0	J	12A	2187	A -15 1463
45		8.8A	36 42.366	-0.0025	18	-11 13 23.20	0.004	20	0.36	42.409	18	33.1	23.26	16	33.1	A0	J	11	2072	A -11 1570
46		9.0A	36 44.326	-0.0004	21	-16 45 46.72	-0.004	15	0.35	44.333	18	33.1	46.66	16	33.1	A0	J	12A	2189	A -16 1558
47		8.8A	36 47.164	-0.0013	21	-16 23 54.85	0.016	15	0.35	47.186	18	33.1	55.13	16	33.1	F8	J	12A	2191	A -16 1559
48		8.1A	36 47.619	-0.0014	17	-14 30 25.20	0.057	12	0.30	47.642	18	33.1	26.16	16	33.1	F5	J	12A	2190	A -14 1524
49		7.4T	36 51.519	0.0008	11	-18 8 23.38	0.010	08	0.53	51.479	19	01.5	23.93	17	96.6	K5		GC	8691	-18 1498
50		8.9A	36 54.117	-0.0020	15	-12 1 6.70	-0.030	17	0.32	54.150	18	33.1	6.19	16	33.1	G5	J	11	2074	A -11 1575
51		5.0T	6 36 59.523	-0.0000	05	-14 5 58.46	-0.004	06	0.28	59.523	12	03.9	58.27	12	03.7	K0		GC	8694	B*-14 1525
52		8.5A	37 4.992	-0.0002	21	-16 36 21.59	0.002	15	0.35	4.994	18	33.1	21.63	16	33.1	A2	J	12A	2194	A -16 1560
53		9.2A	37 6.830	0.0009	21	-17 16 4.88	-0.012	15	0.35	6.815	18	33.1	4.68	16	33.1	G5	J	12A	2196	A -17 1572
54		7.2A	37 7.569	-0.0005	18	-11 59 20.71	-0.010	20	0.36	7.578	18	33.1	20.53	16	33.1	K0	J	11	2077	A -11 1576
55		8.5A	37 8.131	-0.0022	18	-16 4 41.96	0.003	13	0.32	8.167	18	33.1	42.02	16	33.1	A0	J	12A	2195	A -15 1464
56		9.2A	37 9.689	-0.0004	21	-17 29 5.76	-0.023	15	0.35	9.696	18	33.1	5.38	16	33.1	K7	J	12A	2197	A -17 1573
57		9.1A	37 11.928	0.0005	18	-10 45 30.90	-0.013	20	0.36	11.919	18	33.1	30.67	16	33.1	A2	J	11	2078	A -10 1623
58		8.3A	37 12.455	-0.0036	15	-11 39 5.57	-0.002	17	0.32	12.516	18	33.1	5.53	16	33.1	B8	J	11	2079	A -11 1577
59		8.4A	37 13.739	0.0009	21	-14 37 14.44	-0.036	15	0.35	13.724	18	33.1	13.83	16	33.1	K0	J	12A	2198	A -14 1527
60		9.0A	37 13.775	-0.0016	21	-17 29 53.38	-0.003	15	0.35	13.802	18	33.1	53.33	16	33.1	A5	J	12A	2199	A -17 1574
61		8.7A	37 13.802	0.0002	15	-10 50 13.11	0.007	15	0.30	13.797	18	33.1	13.22	16	33.1	K5	J	11	2080	A -10 1624
62		9.0A	37 17.461	-0.0038	15	-10 45 47.58	0.009	15	0.30	17.524	18	33.1	47.72	16	33.1	B9	J	11	2081	A -10 1626
63		8.3A	37 24.009	-0.0004	21	-14 24 39.91	-0.032	15	0.35	24.016	18	33.1	39.36	16	33.1	K0	J	12A	2200	A -14 1529
64		9.2A	37 31.675	0.0017	18	-19 55 7.59	0.025	13	0.32	31.646	18	33.1	8.02	16	33.1	A2	J	12B	2381	A -19 1516
65		8.8A	37 33.724	-0.0006	15	-11 17 5.85	-0.019	17	0.32	33.734	18	33.1	5.52	16	33.1	K0	J	11	2082	A -11 1578
66		8.6A	37 41.227	-0.0013	21	-14 41 56.63	-0.003	15	0.35	41.248	18	33.1	56.57	16	33.1	A0	J	12A	2201	A -14 1532
67		8.8A	37 42.043	-0.0009	15	-13 55 2.06	0.023	17	0.32	42.058	18	33.1	2.44	16	33.1	A0	J	11	2084	A -13 1596
68		8.9A	37 43.551	-0.0007	17	-14 0 50.71	-0.010	12	0.30	43.563	18	33.1	50.53	16	33.1	A5	J	12A	2202	A -13 1597
69		8.3A	37 44.491	-0.0011	18	-10 15 49.47	0.029	20	0.36	44.509	18	33.1	49.95	16	33.1	B9	J	11	2083	A -10 1631
70		8.9A	37 48.609	-0.0015	17	-19 7 24.02	0.013	13	0.31	48.635	18	33.1	24.23	16	33.1	A2	J	12B	2384	A -19 1518
71		8.2A	37 50.945	-0.0001	21	-17 14 47.42	-0.011	15	0.35	50.947	18	33.1	47.24	16	33.1	F0	J	12A	2203	A -17 1578
72		8.8A	37 52.013	-0.0026	18	-12 37 36.14	0.010	20	0.36	52.058	18	33.1	36.30	16	33.1	F8	J	11	2086	A -12 1580
73		8.8A	38 0.342	-0.0063	15	-12 3 43.47	0.013	15	0.30	0.449	18	33.1	43.68	16	33.1	G5	J	11	2087	A -11 1583
74		8.1A	38 3.185	-0.0032	21	-16 25 49.25	0.005	15	0.35	3.239	18	33.1	49.34	16	33.1	K2	J	12A	2204	A -16 1563
75		8.0A	38 4.202	-0.0011	13	-19 2 56.88	0.015	09	0.26	4.221	18	33.1	57.13	16	33.1	A2	J	12B	2387	A -18 1504
76		9.3A	38 4.314	0.0006	17	-12 52 11.00	-0.000	18	0.34	4.304	18	33.1	10.99	16	33.1	K5	J	11	2089	A -12 1581
77		9.1A	38 4.553	-0.0032	15	-10 51 9.51	0.004	15	0.30	4.606	18	33.1	9.57	16	33.1	B9	J	11	2088	A -10 1635
78		9.1A	38 9.098	-0.0005	21	-15 48 22.39	-0.030	15	0.35	9.106	18	33.1	21.89	16	33.1	A3	J	12A	2205K	A -15 1467
79		8.4A	38 14.112	-0.0001	21	-15 57 51.99	0.001	15	0.35	14.114	18	33.1	52.01	16	33.1	K2	J	12A	2206	A -15 1469
80		8.6A	38 20.904	-0.0126	15	-13 14 13.52	0.013	15	0.30	21.118	18	33.1	13.73	16	33.1	K0	J	11	2091	A -13 1604
81		8.5A	38 21.616	-0.0012	18	-10 46 23.98	0.034	20	0.36	21.636	18	33.1	24.55	16	33.1	F0	J	11	2090	A -10 1638
82		9.0A	38 33.077	-0.0040	18	-10 31 41.20	-0.050	20	0.36	33.144	18	33.1	40.35	16	33.1	G5	J	11	2092	A -10 1640
83		8.9A	38 35.956	-0.0010	12	-10 5 7.87	-0.013	12	0.26	35.972	16	33.1	7.64	16	33.1	A3		16	2096	A -10 1641
84		9.0A	38 37.152	0.0004	21	-14 29 35.31	-0.025	15	0.35	37.145	18	33.1	34.89	16	33.1	K0	J	12A	2207	A -14 1535
85		6.8T	38 37.780	0.0004	17	-12 8 3.30	-0.003	14	0.76	37.761	26	05.0	3.14	24	02.6	B3		GC	8736	-12 1585
86		8.9A	38 38.767	-0.0021	15	-10 19 47.82	-0.027	15	0.30	38.802	18	33.1	47.35	16	33.1	K0	J	11	2094	A -10 1642
87		8.4A	38 42.867	-0.0014	21	-17 43 51.04	-0.023	15	0.35	42.891	18	33.1	50.65	16	33.1	K0	J	12A	2209	A -17 1582
88		8.7A	38 55.416	-0.0001	18	-13 45 21.52	-0.029	20	0.36	55.417	18	33.1	21.02	16	33.1	K5	J	11	2097	A -13 1606
89		8.8A	38 56.852	-0.0011	15	-11 33 21.65	0.015	15	0.30	56.872	18	33.1	21.90	16	33.1	A3	J	11	2096	A -11 1588
90		9.0A	38 58.987	0.0010	17	-17 55 17.35	0.001	13	0.31	58.970	18	33.1	17.37	16	33.1	A0	J	12B	2392	A -17 1583
91		8.8A	38 59.609	0.0002	21	-13 55 36.37	0.010	15	0.35	59.605	18	33.1	36.53	16	33.1	K0	J	12A	2210	A -13 1608
92		8.5A	39 5.392	-0.0003	17	-11 15 49.57	-0.026	18	0.34	5.397	18	33.1	49.12	16	33.1	A0	J	11	2099	A -11 1590
93		9.2A	39 6.821	-0.0041	21	-10 0 8.96	-0.048	22	0.41	6.890	18	33.1	8.14	16	33.1	K0	J	11	2100	A -9 1595
94		9.0A	39 9.920	-0.0024	18	-13 3 31.79	-0.024	20	0.36	9.962	18	33.1	31.38	16	33.1	K5	J	11	2101	A -12 1587
95		8.8A	39 11.635	-0.0014	15	-12 52 53.55	0.021	15	0.30	11.659	18	33.1	53.90	16	33.1	B9	J	11	2102	A -12 1588
96		8.3A	39 11.734	-0.0011	15	-13 53 49.39	0.031	15	0.30	11.752	18	33.1	49.91	16	33.1	A0	J	11	2103	A -13 1609
97		8.0A	39 20.990	0.0001	21	-17 29 6.02	-0.024	15	0.35	20.987	18	33.1	5.62	16	33.1	K5	J	12A	2212	A -17 1584
98		9.3A	39 26.704	-0.0017	12	-10 2 49.77	-0.012	12	0.26	26.733	16	33.1	49.55	16	33.1	A0		16	2106	A -9 1599
99		9.1A	39 29.084	-0.0017	21	-16 9 40.21	-0.038	15	0.35	29.113	18	33.1	39.57	16	33.1	G0	J	12A	2213	A -16 1572
00		7.8A	39 31.681	-0.0016	21	-14 25 30.28	-0.019	15	0.35	31.707	18	33.1	29.95	16	33.1	K2	J	12A	2214	A -14 1542

-10° 6H

151800

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	EPOCH 1950 μ s	EPOCH 1950 σ_μ ″.001	EPOCH 1950 δ_{1950} ° ′ ″	EPOCH 1950 μ' ″	EPOCH 1950 $\sigma_{\mu'}$ ″.001	EPOCH 1950 σ_{1950} ″	ORIGINAL EPOCH α_2 s	ORIGINAL EPOCH σ ″.01	ORIGINAL EPOCH ep.	ORIGINAL EPOCH δ_2 ″	ORIGINAL EPOCH σ' ″.01	ORIGINAL EPOCH ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	-10° 6H DM NUMBER
1		9.2A	6 39 34.950	0.0008	21	-17 54 36.56	-0.027	15	0.35	34.940	18	33.1	36.10	16	33.1	FO J	12A	2215K	A -17 1587
2		9.3A	39 36.588	0.0010	17	-13 46 15.51	0.017	18	0.34	36.570	18	33.1	15.79	16	33.1	GO J	11	2105	A -13 1612
3		9.2A	39 38.565	0.0003	21	-16 13 6.50	-0.003	15	0.35	38.559	18	33.1	6.45	16	33.1	K2 J	12A	2216	A -16 1575
4		8.6A	39 42.057	-0.0011	17	-18 13 22.05	0.028	13	0.31	42.076	18	33.1	22.53	16	33.1	K5 J	12B	2403	A -18 1513
5		9.2A	39 42.822	-0.0003	17	-13 44 8.87	-0.028	17	0.33	42.828	18	33.1	8.39	16	33.1	A5 J	11	2107	A -13 1613
6		8.8A	39 43.051	-0.0023	15	-11 31 5.15	-0.004	17	0.32	43.090	18	33.1	5.08	16	33.1	A0 J	11	2106	A -11 1594
7		6.8T	39 44.787	-0.0011	12	-15 57 27.70	0.015	10	0.57	44.840	15	00.7	28.48	14	98.5	B9	GC	8763K	B#-15 1478
8		9.0A	39 45.741	-0.0017	21	-17 43 22.57	-0.020	15	0.35	45.769	18	33.1	22.23	16	33.1	A2 J	12A	2219	A -17 1588
9		7.4A	39 49.854	-0.0129	21	-15 9 50.42	-0.132	15	0.35	50.072	18	33.1	48.19	16	33.1	G0 J	12A	2220	A -15 1479
10		9.0A	39 49.871	0.0002	18	-19 1 6.72	-0.008	13	0.32	49.868	18	33.1	6.58	16	33.1	K2 J	12B	2405	A -18 1515
11		9.1A	39 50.496	0.0008	12	-10 11 45.50	-0.025	12	0.26	50.493	16	33.1	45.07	16	33.1	F2	16	2112	A -10 1649
12		8.8A	39 51.314	-0.0002	18	-10 26 54.91	-0.003	20	0.36	51.351	18	33.1	54.85	16	33.1	B5 J	11	2109	A -10 1651
13		9.1A	40 4.168	-0.0007	21	-17 19 11.41	-0.003	15	0.35	4.180	18	33.1	11.36	16	33.1	K0 J	12A	2221	A -17 1591
14		8.9A	40 4.247	-0.0025	15	-15 12 36.85	-0.013	15	0.30	4.290	18	33.1	36.62	16	33.1	K0 J	11	2110	A -15 1616
15		8.9A	40 8.904	-0.0028	18	-19 43 56.28	-0.012	13	0.32	8.952	18	33.1	56.08	16	33.1	A0 J	12B	2412	A -19 1530
16		8.9A	40 10.385	-0.0000	17	-18 14 13.00	0.015	13	0.31	10.385	18	33.1	13.26	16	33.1	A3 J	12B	2411	A -18 1517
17		8.8A	40 10.883	0.0004	18	-19 3 2.92	0.028	13	0.32	10.877	18	33.1	3.39	16	33.1	F5 J	12B	2413	A -18 1518
18		8.2A	40 15.709	0.0015	18	-10 42 0.71	-0.061	20	0.36	15.683	18	33.1	59.67	16	33.1	A2 J	11	2111	A -10 1655
19		9.0A	40 17.796	-0.0005	21	-17 44 25.56	-0.007	15	0.35	17.804	18	33.1	25.44	16	33.1	A2 J	12A	2223	A -17 1592
20		8.9A	40 20.194	-0.0029	18	-16 10 38.52	-0.013	13	0.32	20.243	18	33.1	38.31	16	33.1	K5 J	12A	2224	A -16 1576
21		8.4A	40 21.006	-0.0011	17	-12 53 25.78	0.033	17	0.33	21.026	18	33.1	26.33	16	33.1	K2 J	11	2112	A -12 1597
22		9.1A	40 30.213	0.0035	20	-19 34 58.55	-0.060	15	0.34	30.154	18	33.1	57.54	16	33.1	F5 J	12B	2419	A -19 1532
23		9.0A	40 30.838	-0.0008	15	-10 37 11.60	0.009	17	0.32	30.852	18	33.1	11.74	16	33.1	K0 J	11	2113	A -10 1659
24		9.0A	40 31.768	0.0002	15	-13 21 27.23	0.033	17	0.32	31.766	18	33.1	27.78	16	33.1	F0 J	11	2114	A -13 1619
25		8.2A	40 36.815	-0.0013	17	-11 42 56.42	0.014	18	0.34	36.837	18	33.1	56.65	16	33.1	A0 J	11	2116	A -11 1602
26		8.9A	40 37.488	-0.0007	15	-19 18 14.89	0.013	11	0.28	37.500	18	33.1	15.10	16	33.1	A0 J	12B	2420	A -19 1533
27		8.8A	40 38.155	-0.0009	12	-10 1 18.69	-0.005	12	0.26	38.170	16	33.1	18.59	16	33.1	A0	16	2119	A -9 1610
28		8.2A	40 41.694	0.0031	21	-15 41 1.65	-0.035	15	0.35	41.640	18	33.1	1.06	16	33.1	F2 J	12A	2225	A -15 1481
29		7.0T	40 44.529	-0.0001	10	-13 38 50.41	-0.036	11	0.62	44.535	24	96.2	48.39	22	94.0	A0	GC	8781	-13 1622
30		9.0A	40 48.654	-0.0011	18	-12 21 32.59	0.057	20	0.36	48.674	18	33.1	33.55	16	33.1	K0 J	11	2119	A -12 1599
31		9.5A	40 49.164	-0.0019	17	-11 43 41.13	0.020	17	0.33	49.197	18	33.1	41.46	16	33.1	B9 J	11	2118	A -11 1603
32		9.1A	40 49.568	-0.0007	15	-11 59 33.62	-0.022	15	0.30	49.581	18	33.1	33.24	16	33.1	A0 J	11	2120	A -11 1604
33		9.2A	40 53.199	-0.0001	21	-16 6 19.26	-0.037	15	0.35	53.201	18	33.1	18.64	16	33.1	K7 J	12A	2227	A -16 1580
34		9.2A	40 53.776	-0.0025	21	-17 36 52.94	0.006	15	0.35	53.818	18	33.1	53.04	16	33.1	F0 J	12A	2228	A -17 1595
35		8.2A	40 53.834	-0.0013	21	-15 27 24.10	-0.000	15	0.35	53.857	18	33.1	24.10	16	33.1	K0 J	12A	2226	A -15 1483
36		9.1A	40 55.471	-0.0016	15	-11 1 0.38	0.016	17	0.32	55.498	18	33.1	0.64	16	33.1	F5 J	11	2121	A -10 1662
37		8.7A	40 56.286	0.0010	17	-19 25 21.00	0.009	13	0.31	56.269	18	33.1	21.15	16	33.1	K0 J	12B	2423	A -19 1535
38		8.2A	40 57.393	-0.0051	21	-15 46 57.87	-0.017	15	0.35	57.479	18	33.1	57.59	16	33.1	K2 J	12A	2229	A -15 1484
39		8.6A	40 58.338	-0.0032	15	-13 48 38.91	-0.014	17	0.32	58.392	18	33.1	38.67	16	33.1	A0 J	11	2123	A -13 1624
40		8.8A	40 58.643	-0.0036	18	-10 29 27.30	0.016	20	0.36	58.704	18	33.1	27.56	16	33.1	K5 J	11	2122	A -10 1663
41		8.6A	40 59.831	0.0000	15	-12 50 54.87	-0.028	17	0.32	59.831	18	33.1	54.39	16	33.1	K0 J	11	2124	A -12 1602
42		9.1A	41 2.689	-0.0008	18	-18 9 54.93	0.000	13	0.32	2.703	18	33.1	54.93	16	33.1	A0 J	12B	2424	A -18 1522
43		9.0A	41 3.803	-0.0017	12	-10 2 31.80	-0.044	12	0.26	3.831	16	33.1	31.04	16	33.1	G5	16	2122	A -9 1615
44		8.3A	41 3.949	-0.0004	18	-19 5 55.94	0.026	13	0.32	3.956	18	33.1	56.37	16	33.1	K0 J	12B	2426	A -19 1536
45		9.3A	41 10.582	-0.0001	15	-10 16 0.18	-0.035	15	0.30	10.583	18	33.1	59.58	16	33.1	G5 J	11	2126	A -10 1665
46		8.2A	41 14.487	-0.0029	15	-13 8 41.17	0.005	17	0.32	14.536	18	33.1	41.24	16	33.1	A0 J	11	2127	A -13 1625
47		9.0A	41 15.697	0.0009	21	-17 6 23.23	0.005	15	0.35	15.882	18	33.1	23.32	16	33.1	G0 J	12A	2231K	A -17 1598
48		8.8A	41 24.278	-0.0000	17	-13 48 27.36	0.001	18	0.34	24.278	18	33.1	27.37	16	33.1	M0 J	11	2128	A -13 1626
49		8.9A	41 26.574	-0.0005	18	-12 47 3.02	-0.017	20	0.36	26.583	18	33.1	2.72	16	33.1	A2 J	11	2129	A -12 1605
50		7.8A	41 26.911	-0.0023	21	-15 59 53.91	-0.025	15	0.35	26.949	18	33.1	53.49	16	33.1	K2 J	12A	2232	A -15 1489
51	6	8.9A	41 27.767	-0.0005	17	-18 7 50.49	0.012	13	0.31	28.776	18	33.1	50.70	16	33.1	K2 J	12B	2430	A -18 1524
52		9.2A	41 31.330	0.0019	21	-16 59 21.49	-0.014	15	0.35	31.298	18	33.1	21.26	16	33.1	F5 J	12A	2234	A -16 1583
53		8.3A	41 40.001	-0.0006	21	-14 38 38.35	-0.018	15	0.35	40.010	18	33.1	38.04	16	33.1	A0 J	12A	2235	A -14 1560
54		8.6A	41 48.244	-0.0049	15	-10 56 43.96	-0.189	17	0.32	48.326	18	33.1	40.75	16	33.1	G5 J	11	2130	A -10 1669
55		8.9A	41 53.507	-0.0018	18	-10 24 46.10	-0.063	20	0.36	53.537	18	33.1	45.02	16	33.1	F0 J	11	2131	A -10 1670
56		8.6A	41 53.541	-0.0016	17	-12 45 49.51	-0.012	18	0.34	53.569	18	33.1	49.30	16	33.1	A3 J	11	2133	A -12 1607
57		9.1A	41 53.781	-0.0008	18	-10 43 19.00	-0.015	20	0.36	53.794	18	33.1	18.74	16	33.1	A2 J	11	2132	A -10 1671
58		8.6A	41 57.593	-0.0021	18	-11 4 27.05	-0.046	20	0.36	57.628	18	33.1	26.26	16	33.1	F2 J	11	2134	A -10 1672
59		8.7A	41 58.991	0.0021	18	-18 20 48.14	-0.029	13	0.32	58.956	18	33.1	47.65	16	33.1	A0 J	11	2134	A -18 1528
60		9.1A	42 7.620	0.0008	17	-18 26 32.80	-0.015	12	0.30	7.606	18	33.1	32.55	16	33.1	G0 J	12B	2432	A -18 1529
61		6.2A	42 7.662	-0.0022	21	-17 47 26.95	-0.005	15	0.35	7.700	18	33.1	26.88	16	33.1	A0 J	12A	2236	A#-17 1603
62		9.2A	42 18.377	-0.0018	13	-12 48 13.31	0.012	15	0.30	18.407	18	33.1	13.50	16	33.1	K0 J	11	2136	A -12 1610
63		7.5A	42 20.841	0.0007	18	-19 36 23.11	0.018	13	0.32	20.829	18	33.1	23.42	16	33.1	A3 J	12B	2436	A -19 1542
64		9.0A	42 20.905	-0.0023	17	-10 36 22.42	-0.041	18	0.34	20.944	18	33.1	21.72	16	33.1	A7 J	11	2135K	A -10 1674
65		9.2A	42 22.775	-0.0031	17	-12 36 42.31	0.018	18	0.34	22.828	18	33.1	42.61	16	33.1	G0 J	11	2137	A -12 1611
66		8.4A	42 23.447	-0.0015	21	-14 40 32.15	-0.047	15	0.35	23.471	18	33.1	31.35	16	33.1	F5 J	12A	2237	A -14 1563
67		8.5Q	42 25.013	-0.0013	09	-16 40 34.89	0.003	07	0.44	25.076	17	01.0	35.06	15	96.4	A3	GC	8818	-16 1586
68		9.0A	42 31.096	-0.0015	17	-18 3 41.15	-0.034	13	0.31	31.121	18	33.1	40.58	16	33.1	G0 J	12B	2439	A -17 1604
69		9.3A	42 35.867	0.0004	18	-19 3 5.92	0.025	13	0.32	35.861	18	33.1	6.34	16	33.1	A5 J	12B	2443	A -18 1535
70		8.6A	42 36.303	-0.0036	21	-17 22 50.64	-0.015	15	0.35	36.364	18	33.1	50.39	16	33.1	A0 J	12A	2240	A -17 1605
71		9.2A	42 37.752	0.0001	18	-18 10 50.72	-0.013	15	0.33	37.750	18	33.1	50.50	16	33.1	F2 J	12B	2444	A -18 1536
72		9.4A	42 39.060	-0.0030	21	-17 42 3.26	-0.005	15	0.35	39.111	18	33.1	3.18	16	33.1	F2 J	12A	2242	A -17 1607
73		7.9A	42 39.240	-0.0013	18	-18 31 2.82	-0.032	13	0.32	39.262	18	33.1	2.27	16	33.1	A2 J	12B	2445	A -18 1537
74		8.7A	42 41.037	-0.0017	15	-13 20 3.43	-0.009	17	0.32	41.066	18	33.1	3.27	16	33.1	K5 J	11	2138	A -13 1636
75		8.8A	42 44.676	0.0014	21	-16 44 38.62	-0.020	15	0.35	44.651	18	33.1	38.28	16	33.1	K5 J	12A	2243	A -16 1589
76		8.8A	42 45.740	0.0014	15	-11 21 36.50	-0.025	15	0.30	45.716	18	33.1	36.07	16	33.1	K0 J	11	2139	A -11 1618
77		8.8A	42 46.623	-0.0006	21	-16 58 46.69	-0.014	15	0.35	46.632	18	33.1	46.46	16	33.1	A2 J	12A	2244	A -16 1590
78		8.8A	42 48.870	-0.0022	17	-13 9 16.78	-0.005	18	0.34	48.907	18	33.1	16.69	16	33.1	F5 J	11	2140	A -13 1638
79		9.0A	42 50.274	-0.0037	18	-13 29 12.27	-0.010	20	0.36	50.337	18	33.1	12.09	16	33.1	K2 J	11	2141	A -13 1639
80		9.0A	42 54.479	-0.0005	18	-11 5 21.75	0.020	20	0.36	54.487	18	33.1	22.08	16	33.1	G0 J	11	2142	A -11 1621
81		-1.6M	42 56.713	-0.0379	01	-16 36 46.37	-1.211	01	0.03	58.298	02	08.2	44.21	02	98.7	A0	F4	2570	-16 1591
82		6.9A	42 57.890	-0.0002	20	-18 12 54.38	-0.055	15	0.34	57.893	18	33.1	53.45	16	33.1	G5 J	12B	2446	A -18 1538
83		9.0A	42 58.377	-0.0009	15	-10 47 14.25	0.034	18	0.33	58.392	18	33.1	14.82	16	33.1	A0 J	11	2143	A -10 1678
84		9.2A	43 10.260	0.0018	18	-19 9 2.68	0.007	13	0.32	10.230	18	33.1	2.79	16	33.1	K0 J	12B	2448	A -19 1547
85		9.0A	43 13.881	0.0004	18	-19 0 3.06	0.022	13	0.32	13.875	18	33.1	3.43	16	33.1	K2 J	12B	2449	A -18 1540
86		9.2A	43 14.363	-0.0007	21	-17 47 18.57	-0.009	15	0.35	14.375	18	33.1	18.42	16	33.1	K0 J	12A	2248	A -17 1610
87		9.1A	43 15.196	-0.0038	13	-12 34 29.14	-0.006	15	0.30	15.261	18	33.1	29.03	16	33.1	A0 J	11	2144	A -12 1618
88		8.6A	43 16.041	-0.0009	21	-14 54 13.96	-0.010	15	0.35	16.056	18	33.1	13.80	16	33.1	K0 J	12A	2247	A -14 1569
89		9.1A	43 22.015	-0.0013	18	-16 50 7.12	0.002	13	0.32	22.037	18	33.1	7.16	16	33.1	G J	12A	2249	A -16 1593
90		9.1A	43 24.443	-0.0037	17	-10 35 47.04	-0.012	18	0.34	24.505	18	33.1	46.83	16	33.1	A0 J	11	2145	A -10 1682
91		9.2A	43 25.004	0.0008	21	-16 52 4.74	0.001	15	0.35	24.990	18	33.1	4.76	16	33.1	F5 J	12A	2250	A -16 1594
92		6.8T	43 27.317	-0.0031	41	-17 7 24.31	0.016	32	1.44	27.435	29	12.0	24.96	27	09.8	B9	GC	8845	-17 1611
93		8.2A	43 36.458	-0.0020	21	-14 26 27.23	-0.026	15	0.35	36.489	18	33.1	26.78	16	33.1	F5 J	12A	2252	A -14 1572
94		9.2A	43 40.160	-0.0045	17	-15 52 59.02	0.002	13	0.31	40.237	18	33.1	59.06	16	33.1	G5 J	12A	2253	A -15 1502
95		5.3T	43 42.931	-0.0022	08	-14 44 30.48	-0.020	07	0.28	43.006	09	16.3	29.75	10	14.4	A2	GC	8852	-14 1573
96		8.5A	43 44.280	-0.0017	21	-14 39 22.18	-0.015	15	0.35	44.289	18	33.1	21.92	16	33.1	K5 J	12A	2255	A -14 1574
97		8.8A	43 46.232	-0.0006	15	-13 47 2.10	0.020	15	0.30	46.242	18	33.1	2.44	16	33.1	B5 J	11	2146	A -13 1641
98		8.4A	43 47.239	-0.0005	17	-18 28 17.90	-0.024	13	0.31	47.248	18	33.1	17.50	16	33.1	K2 J	12B	2458	A -18 1541
99		8.8A	43 51.116	-0.0008	18	-14 14 53.35	-0.017	13	0.32	51.130	18	33.1	53.06	16	33.1	A0 J	12A	2256	A -14 1575
00		8.7A	43 51.532	-0.0030	21	-15 32 14.22	-0.018	15	0.35	51.583	18	33.1	13.92	16	33.1	B9 J	12A	2257	A -15 1504

151900

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	EPOCH 1950 μ s	EPOCH 1950 σ_μ ″.001	EPOCH 1950 δ_{1950} ° ′ ″	EPOCH 1950 μ' ″	EPOCH 1950 σ'_μ ″.001	EPOCH 1950 σ_{1950} ″	ORIGINAL EPOCH α_2 s	ORIGINAL EPOCH σ ″.01	ORIGINAL EPOCH ep.	ORIGINAL EPOCH δ_2 ″	ORIGINAL EPOCH σ' ″.01	ORIGINAL EPOCH ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	-10° 6H DM NUMBER
1		8.5A	6 43 53.546	-0.0008	21	-16 25 41.23	-0.037	15	0.35	53.559	18	33.1	40.61	16	33.1	K2 J	12A	2258	A -16 1595
2		7.9A	43 55.814	-0.0001	15	-18 27 31.83	-0.018	11	0.28	55.815	18	33.1	31.53	16	33.1	K2 J	12B	2459	A -18 1542
3		9.0A	43 58.800	0.0026	18	-19 20 34.02	0.006	13	0.32	58.757	18	33.1	34.12	16	33.1	A0 J	12B	2461	A -19 1549
4		9.1A	44 1.762	-0.0028	21	-14 52 7.20	-0.037	15	0.35	1.810	18	33.1	6.57	16	33.1	A0 J	12A	2259	A -14 1577
5		9.2A	44 2.872	0.0026	21	-16 52 47.74	0.018	15	0.35	2.828	18	33.1	48.05	16	33.1	M0 J	12A	2260	A -16 1596
6		9.1A	44 6.153	-0.0024	21	-16 48 34.41	0.022	15	0.35	6.193	18	33.1	34.78	16	33.1	G5 J	12A	2261	A -16 1597
7		6.9T	44 15.858	0.0038	22	-19 49 23.22	-0.001	20	0.88	15.707	22	10.5	23.19	22	08.9	K0	GC	8870	-19 1551
8		9.0A	44 16.518	-0.0002	20	-18 35 57.70	-0.018	15	0.34	16.521	18	33.1	57.39	16	33.1	A0 J	12B	2464	A -18 1545
9		6.5T	44 16.618	0.0077	20	-14 28 8.44	0.034	18	0.91	16.270	26	04.8	10.04	24	02.6	A3	GC	8871	-14 1579
10		8.9A	44 16.683	-0.0018	21	-16 58 50.52	-0.026	15	0.35	16.712	18	33.1	50.08	16	33.1	K0 J	12A	2263	A -16 1598
11		5.5T	44 16.974	-0.0006	07	-10 3 8.99	-0.002	06	0.30	16.997	12	10.1	8.90	10	09.2	A0	GC	8873	-9 1644
12		9.3A	44 17.858	0.0002	18	-19 8 27.59	0.008	13	0.32	17.855	18	33.1	27.72	16	33.1	A2 J	12B	2467	A -19 1552
13		8.7A	44 18.009	0.0015	18	-18 34 19.09	-0.003	13	0.32	17.984	18	33.1	19.03	16	33.1	K0 J	12B	2466	A -18 1546
14		9.2A	44 21.270	-0.0009	18	-16 2 11.68	-0.052	13	0.32	21.285	18	33.1	10.81	16	33.1	K5 J	12A	2264	A -15 1507
15		9.3A	44 21.836	-0.0019	18	-18 11 38.32	0.006	13	0.32	21.868	18	33.1	38.42	16	33.1	A0 J	12B	2470	A -18 1548
16		9.2A	44 24.471	-0.0003	17	-19 2 34.09	0.043	13	0.31	24.477	18	33.1	34.81	16	33.1	F5 J	12B	2471	A -18 1549
17		8.8A	44 30.439	-0.0006	21	-17 37 31.70	-0.002	15	0.35	30.448	18	33.1	31.68	16	33.1	K2 J	12A	2267	A -17 1619
18		9.0A	44 30.445	0.0002	21	-17 41 56.38	-0.013	15	0.35	30.441	18	33.1	56.17	16	33.1	K0 J	12A	2268	A -17 1620
19		5.2T	44 34.174	-0.0006	04	-14 22 15.42	0.009	04	0.22	34.204	10	01.3	15.88	10	98.4	B8	GC	8879	B*-14 1584
20		9.0A	44 36.315	-0.0016	12	-10 7 10.16	-0.006	12	0.26	36.342	16	33.1	10.05	16	33.1	K0	16	2143	A -10 1689
21		8.6A	44 42.746	-0.0010	21	-15 2 24.43	-0.022	15	0.35	42.763	18	33.1	24.06	16	33.1	K2 J	12A	2269	A -14 1587
22		8.5A	44 43.960	0.0002	18	-18 44 21.55	0.006	13	0.32	43.957	18	33.1	21.65	16	33.1	K5 J	12B	2475	A -18 1550
23		9.0A	44 46.658	0.0005	15	-12 47 50.26	0.008	17	0.32	46.650	18	33.1	50.39	16	33.1	A0 J	11	2151	A -12 1624
24		7.9A	44 47.475	-0.0010	13	-12 8 36.88	0.010	17	0.31	47.492	18	33.1	37.04	16	33.1	K0 J	11	2152	A -12 1623
25		9.2A	44 47.517	-0.0022	21	-16 8 8.40	-0.009	15	0.35	47.553	18	33.1	8.25	16	33.1	M0 J	12A	2270	A -16 1600
26		9.1A	44 47.745	-0.0004	15	-10 40 36.09	-0.026	17	0.32	47.751	18	33.1	35.64	16	33.1	A2 J	11	2150	A -10 1690
27		9.3A	44 48.511	-0.0001	17	-13 7 8.34	0.004	18	0.34	48.513	18	33.1	8.40	16	33.1	A2 J	11	2153	A -13 1646
28		8.9A	44 52.702	-0.0004	18	-13 26 14.78	-0.013	20	0.36	52.709	18	33.1	14.55	16	33.1	K0 J	11	2154	A -13 1647
29		9.1A	44 54.701	0.0022	15	-19 35 0.23	0.019	12	0.29	54.663	18	33.1	0.56	16	33.1	K0 J	12B	2478	A -19 1557
30		8.9A	44 55.307	-0.0005	15	-18 1 9.62	-0.001	11	0.28	55.316	18	33.1	9.61	16	33.1	K0 J	12B	2477	A -17 1624
31		8.2A	44 59.450	-0.0031	21	-16 0 39.80	-0.018	15	0.35	59.503	18	33.1	39.50	16	33.1	B5 J	12A	2272	A -15 1511
32		8.9A	45 13.054	-0.0011	15	-10 58 54.48	-0.011	15	0.30	13.072	18	33.1	54.29	16	33.1	A3 J	11	2155	A -10 1697
33		9.4A	45 18.130	-0.0046	15	-10 58 46.75	0.048	17	0.32	18.207	18	33.1	47.55	16	33.1		11	2156	A -10 1698
34		9.0A	45 18.778	-0.0013	17	-19 6 37.29	0.033	13	0.31	18.800	18	33.1	37.85	16	33.1	M0 J	12B	2485	A -19 1560
35		6.9T	45 23.195	-0.0007	12	-17 27 8.64	0.021	11	0.62	23.230	17	98.8	9.74	15	98.0	B9	GC	8894	-17 1626
36		8.8Q	45 28.014	-0.0047	13	-11 40 7.04	-0.000	09	0.52	28.205	19	09.1	7.01	19	02.2	F8	GC	8896	-11 1636
37		9.1A	45 29.205	-0.0021	15	-11 40 17.77	0.065	15	0.30	29.241	18	33.1	18.87	16	33.1	G	11	2158	A -11 1637
38		8.1A	45 40.033	-0.0014	15	-13 38 48.41	-0.000	17	0.32	40.057	18	33.1	48.40	16	33.1	A0 J	11	2161	A -13 1657
39		8.7A	45 43.306	-0.0015	15	-11 49 7.40	0.006	17	0.32	43.331	18	33.1	7.50	16	33.1	F8 J	11	2162	A -11 1638
40		8.7A	45 43.580	-0.0004	17	-12 25 8.36	-0.005	18	0.34	43.588	18	33.1	8.27	16	33.1	K5 J	11	2163	A -12 1632
41		8.9A	45 53.222	-0.0009	15	-11 57 36.21	-0.054	17	0.32	53.238	18	33.1	35.29	16	33.1	A5 J	11	2165K	A -11 1641
42		8.7A	45 53.737	-0.0017	17	-19 4 40.38	0.023	13	0.31	53.765	18	33.1	40.76	16	33.1	F0 J	12B	2487	A -18 1554
43		8.2A	45 56.416	-0.0034	21	-17 10 23.09	-0.037	15	0.35	56.474	18	33.1	22.47	16	33.1	A0 J	12A	2274	A -17 1631
44		9.1A	45 58.828	0.0037	17	-19 4 33.70	-0.044	13	0.31	58.766	18	33.1	32.95	16	33.1	K	12B	2488	A -18 1556
45		8.9A	46 0.707	0.0010	17	-11 13 6.71	-0.045	18	0.34	0.690	18	33.1	5.94	16	33.1	K2 J	11	2166	A -11 1642
46		8.3Q	46 3.370	0.0011	10	-13 23 2.89	-0.031	07	0.43	3.322	19	06.8	1.26	19	97.9	G0	GC	8908K	B*-13 1660
47		8.7A	46 4.745	-0.0001	15	-13 24 24.87	0.014	15	0.30	4.746	18	33.1	25.10	16	33.1	A0 J	11	2169	A -13 1661
48		9.0A	46 7.107	-0.0017	15	-11 1 52.90	-0.023	15	0.30	7.136	18	33.1	52.50	16	33.1	K7 J	11	2168	A -10 1707
49		6.9T	46 8.507	-0.0016	16	-12 47 1.07	-0.010	14	0.71	8.577	21	05.7	0.59	19	03.6	B8	GC	8909	-12 1634
50		8.7A	46 8.992	0.0007	15	-19 57 21.38	0.020	12	0.28	8.980	16	33.1	21.72	16	33.1	A0 J	13A	2489	A -19 1566
51		8.8A	6 46 11.523	-0.0026	17	-12 22 56.38	-0.010	18	0.34	11.568	18	33.1	56.20	16	33.1	G5 J	11	2172K	A -12 1635
52		8.5A	46 12.025	-0.0000	15	-10 47 33.41	-0.033	17	0.32	12.025	18	33.1	32.84	16	33.1	B9 J	11	2171	A -10 1709
53		8.7A	46 12.536	-0.0040	15	-11 47 44.04	-0.042	17	0.32	12.604	18	33.1	43.32	16	33.1	A0 J	11	2173	A -11 1644
54		8.9A	46 15.074	0.0006	15	-12 10 25.54	-0.004	17	0.32	15.064	18	33.1	25.47	16	33.1	A0 J	11	2174	A -12 1636
55		9.0A	46 26.423	0.0019	17	-19 30 0.38	0.011	13	0.31	26.390	18	33.1	0.57	16	33.1	A2 J	12B	2491	A -19 1570
56		8.5A	46 29.976	-0.0007	21	-14 18 15.27	-0.004	15	0.35	29.988	18	33.1	15.20	16	33.1	A0 J	12A	2277	A -14 1595
57		8.0A	46 34.011	-0.0004	21	-16 9 11.71	-0.047	15	0.35	34.018	18	33.1	10.92	16	33.1	K0 J	12A	2279K	A -16 1609
58		7.9Q	46 34.596	-0.0015	09	-14 19 55.05	0.014	08	0.45	34.666	18	03.3	55.74	17	00.3	K2	GC	8917	-14 1597
59		8.9A	46 34.832	-0.0015	21	-15 22 44.34	0.005	15	0.35	34.857	18	33.1	44.43	16	33.1	B9 J	12A	2280	A -15 1521
60		8.6A	46 36.304	-0.0008	21	-17 12 17.27	-0.005	15	0.35	36.317	18	33.1	17.19	16	33.1	K5 J	12A	2281	A -17 1634
61		8.8A	46 41.636	-0.0009	21	-14 4 21.53	0.004	15	0.35	41.651	18	33.1	21.59	16	33.1	K0 J	12A	2282	A -13 1668
62		5.3T	46 41.660	-0.0003	08	-15 5 13.04	-0.007	06	0.31	41.671	09	08.3	12.75	09	08.3	B5	GC	8922K	B*-14 1599
63		9.2A	46 54.024	-0.0013	18	-15 19 2.00	-0.035	13	0.32	54.047	18	33.1	1.41	16	33.1	K7 J	12A	2284	A -15 1522
64		7.8A	46 56.800	0.0002	18	-12 36 35.86	0.004	20	0.36	56.796	18	33.1	35.92	16	33.1	B9 J	11	2275	A -12 1642
65		9.1A	47 3.436	0.0002	21	-15 51 21.70	-0.014	15	0.35	3.432	18	33.1	21.47	16	33.1	F8 J	12A	2285	A -15 1523
66		8.5A	47 3.555	-0.0052	15	-13 38 37.68	0.017	17	0.32	3.643	18	33.1	37.96	16	33.1	B9 J	11	2178	A -13 1669
67		8.8A	47 3.820	0.0010	17	-18 15 41.55	-0.005	13	0.31	3.803	18	33.1	41.47	16	33.1	K0 J	12B	2496	A -18 1562
68		9.0A	47 4.360	0.0011	15	-11 8 15.13	-0.015	17	0.32	4.342	18	33.1	14.87	16	33.1	G5 J	11	2177	A -11 1650
69		8.3A	47 4.566	-0.0021	18	-18 24 11.01	0.005	13	0.32	4.602	18	33.1	11.10	16	33.1	B9 J	12B	2497	A -18 1563
70		8.8A	47 6.286	0.0013	15	-13 20 10.36	0.012	17	0.32	6.264	18	33.1	10.55	16	33.1	K5 J	11	2179	A -13 1670
71		8.8A	47 7.313	-0.0017	15	-12 23 23.29	0.030	17	0.32	7.342	18	33.1	23.79	16	33.1	F8 J	11	2180	A -12 1643
72		8.8A	47 8.096	-0.0004	20	-18 21 27.19	-0.060	15	0.34	8.104	18	33.1	26.18	16	33.1	G5 J	12B	2498	A -18 1564
73		9.0A	47 18.903	0.0007	21	-17 39 59.33	-0.010	15	0.35	18.891	18	33.1	59.16	16	33.1	K5 J	12A	2287	A -17 1639
74		9.0A	47 23.327	0.0006	15	-13 55 5.45	-0.001	17	0.32	23.316	18	33.1	5.43	16	33.1	A3 J	11	2182	A -13 1672
75		8.4A	47 23.872	-0.0006	21	-14 59 9.67	-0.013	15	0.35	23.881	18	33.1	9.44	16	33.1	B9 J	12A	2288	A -14 1601
76		8.8A	47 25.560	-0.0002	18	-13 58 24.88	0.011	13	0.32	25.563	18	33.1	25.06	16	33.1	K0 J	12A	2289	A -13 1674
77		8.2A	47 30.129	0.0003	21	-16 15 4.87	0.001	15	0.35	30.123	18	33.1	4.89	16	33.1	K5 J	12A	2290	A -16 1618
78		8.3A	47 32.317	0.0012	15	-19 19 32.86	0.066	12	0.29	32.296	18	33.1	33.97	16	33.1	G5 J	12B	2500	A -19 1575
79		8.9A	47 33.582	0.0002	15	-11 38 39.06	0.013	17	0.32	33.578	18	33.1	39.27	16	33.1	A0 J	11	2184	A -11 1655
80		8.6A	47 34.076	-0.0012	18	-17 30 33.62	-0.014	13	0.32	34.097	18	33.1	33.38	16	33.1	A2 J	12A	2291	A -17 1641
81		9.0A	47 39.287	0.0007	18	-19 12 19.24	0.012	13	0.32	39.276	18	33.1	19.44	16	33.1	A2 J	12B	2501	A -19 1576
82		8.2A	47 41.992	-0.0019	15	-12 54 17.82	0.016	17	0.32	42.025	18	33.1	18.08	16	33.1	A0 J	11	2185	A -12 1651
83		8.8A	47 44.788	-0.0009	15	-11 18 44.75	-0.019	17	0.32	44.803	18	33.1	44.42	16	33.1	K2 J	11	2186	A -11 1656
84		8.8A	47 46.007	-0.0003	15	-13 33 12.66	-0.028	17	0.32	48.013	18	33.1	12.18	16	33.1	A0 J	11	2188	A -13 1677
85		7.6A	47 48.690	-0.0008	18	-14 22 30.20	-0.031	13	0.32	48.704	18	33.1	29.67	16	33.1	A5 J	12A	2292	A -14 1605
86		7.3A	47 48.866	-0.0026	17	-12 31 32.72	0.005	18	0.34	48.910	18	33.1	32.80	16	33.1	B5 J	11	2187	A -12 1652
87		9.2A	47 56.528	-0.0006	13	-18 33 39.22	0.009	09	0.26	56.538	18	33.1	39.37	16	33.1	F5 J	12B	2506	A -18 1570
88		9.2A	48 0.549	0.0021	18	-19 15 55.60	0.010	13	0.32	0.513	18	33.1	55.76	16	33.1	K0 J	12B	2507	A -19 1578
89		9.2A	48 0.798	0.0006	21	-17 11 22.15	-0.039	15	0.35	0.788	18	33.1	21.49	16	33.1	G5 J	12A	2293	A -17 1644
90		6.5T	48 3.130	-0.0023	12	-17 13 57.06	-0.031	11	0.58	3.230	19	06.2	55.58	18	02.0	A2	GC	8947	-17 1645
91		9.0A	48 3.516	-0.0037	20	-19 31 8.92	0.050	15	0.34	3.579	18	33.1	9.77	16	33.1	G5 J	12B	2508	A -19 1579
92		5.9T	48 8.157	0.0005	11	-17 1 29.48	0.013	11	0.62	8.131	22	98.2	30.20	18	95.7	K0	GC	8951	-16 1624
93		8.4A	48 8.329	0.0024	21	-16 52 54.73	0.005	15	0.35	8.289	18	33.1	54.82	16	33.1	K5 J	12A	2297	A -16 1623
94		8.6A	48 8.915	0.0007	21	-15 38 15.84	-0.020	15	0.35	8.903	18	33.1	15.51	16	33.1	B9 J	12A	2296	A -15 1533
95		9.0A	48 9.097	0.0010	17	-18 33 57.08	0.003	12	0.30	9.080	18	33.1	57.12	16	33.1	F2 J	12B	2510	A -18 1571
96		8.1A	48 9.097	-0.0005	21	-14 3 14.22	0.011	15	0.35	9.106	18	33.1	14.40	16	33.1	B2 J	12A	2295	A -13 1682
97		9.2A	48 13.280	0.0009	21	-15 53 58.39	-0.034	15	0.35	13.264	18	33.1	57.82	16	33.1	F2 J	12A	2299	A -15 1534
98		9.1A	48 17.277	-0.0004	15	-10 46 57.91	-0.059	17	0.32	17.284	18	33.1	56.90	16	33.1	G0 J	11	2190	A -10 1722
99		8.6A	48 26.647	-0.0015	15	-10 37 2.71	-0.010	17	0.32	26.672	18	33.1	2.53	16	33.1	A0 J	11	2191	A -10 1724
00		8.5Q	48 30.441	0.0003	09	-14 40 55.01	-0.004	08	0.45	30.429	19	04.4	54.79	19	99.8	K0	GC	8963	-14 1610

152000

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ s	σ_μ .001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ .001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ .01	ep.	δ_2 ″	σ' .01	ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	-10° 6H DM NUMBER
1		9.2A	6 48 31.291	0.0015	18	-18 21 16.94	-0.019	13	0.32	31.266	18	33.1	16.62	16	33.1	F5 J	12B	2513	A -18 1574
2		8.8A	48 35.187	-0.0015	21	-17 14 36.05	-0.048	15	0.35	35.213	18	33.1	35.24	16	33.1	B9 J	12A	2303	A -17 1649
3		8.9A	48 36.565	-0.0017	21	-14 23 3.27	0.005	15	0.35	36.594	18	33.1	3.35	16	33.1	B9 J	12A	2301	A -14 1613
4		8.7A	48 36.954	-0.0006	12	-10 4 54.03	-0.015	12	0.26	36.963	18	33.1	53.77	16	33.1	A0 J	16	2200	A -9 1679
5		8.0A	48 38.094	-0.0010	21	-14 12 14.32	-0.005	15	0.35	38.110	18	33.1	14.23	16	33.1	A0 J	12A	2302	A -14 1614
6		8.6A	48 43.949	0.0014	15	-13 10 17.98	0.005	15	0.30	43.926	18	33.1	18.06	16	33.1	B2 J	11	2194	A -13 1686
7		8.4A	48 45.547	0.0030	21	-17 47 45.21	0.083	15	0.35	45.496	18	33.1	46.62	16	33.1	G5 J	12A	2304	A -17 1650
8		9.0A	48 47.875	-0.0017	15	-13 50 11.55	0.019	17	0.32	47.905	18	33.1	11.87	16	33.1	G0 J	11	2196	A -13 1687
9		8.9A	48 47.984	-0.0022	21	-16 38 34.54	-0.017	15	0.35	47.960	18	33.1	34.25	16	33.1	G5 J	12A	2305	A -16 1629
10		8.9A	48 49.108	-0.0007	15	-13 25 23.15	0.022	17	0.32	49.121	18	33.1	23.52	16	33.1	K5 J	11	2197	A -13 1688
11		7.4T	48 49.848	-0.0003	18	-10 1 28.78	-0.014	18	0.62	49.860	19	06.7	28.15	19	06.3	K5	GC	8973K	-9 1680
12		8.0A	48 51.138	0.0019	17	-19 31 37.10	0.014	13	0.31	51.108	18	33.1	37.34	16	33.1	G5 J	12B	2518	A -19 1585
13		8.8A	48 54.004	0.0021	18	-18 22 23.99	-0.023	13	0.32	53.969	18	33.1	23.61	16	33.1	K2 J	12B	2519	A -18 1577
14		6.9T	48 57.030	-0.0018	11	-18 57 12.22	-0.005	09	0.56	57.119	21	00.0	11.94	18	96.7	A3	GC	8975	-18 1578
15		7.8A	48 58.733	-0.0033	18	-11 3 30.45	-0.035	20	0.36	58.789	18	33.1	29.85	16	33.1	K0 J	11	2199	A -10 1729
16		8.8A	49 5.951	0.0024	13	-11 20 41.11	-0.083	15	0.30	5.910	18	33.1	39.70	16	33.1	K2 J	11	2200	A -11 1662
17		8.2A	49 10.857	-0.0023	18	-17 59 9.50	-0.008	13	0.32	10.896	18	33.1	9.37	16	33.1	A0 J	12A	2307	A -17 1651
18		9.2A	49 19.861	-0.0024	17	-12 51 25.59	-0.003	17	0.33	19.902	18	33.1	25.53	16	33.1	A0 J	11	2202	A -12 1662
19		8.7A	49 20.486	-0.0011	15	-12 39 9.20	0.024	17	0.32	20.505	18	33.1	9.60	16	33.1	K2 J	11	2203	A -12 1661
20		9.0A	49 21.905	-0.0005	18	-15 46 9.70	-0.050	13	0.31	21.913	18	33.5	8.88	16	33.5	F0 J	12A	2308	A -15 1543
21		9.2A	49 25.906	0.0011	15	-19 37 40.44	0.007	12	0.28	25.889	18	33.5	40.56	16	33.5	K0 J	12B	2522	A -19 1588
22		8.8A	49 34.589	0.0009	15	-13 3 48.47	0.009	15	0.30	34.574	18	33.5	48.61	16	33.5	G5 J	11	2204	A -12 1664
23		8.9A	49 37.337	-0.0001	17	-12 48 51.00	-0.005	18	0.33	37.338	18	33.5	50.91	16	33.5	K2 J	11	2205	A -12 1665
24		7.7A	49 41.662	-0.0066	18	-11 8 36.56	0.006	20	0.35	41.770	18	33.5	36.65	16	33.5	G5 J	11	2206	A -11 1667
25		9.1A	49 42.593	-0.0001	15	-13 9 37.12	-0.001	17	0.31	42.594	18	33.5	37.10	16	33.5	K2 J	11	2207	A -13 1693
26		8.4A	49 43.029	-0.0015	21	-17 11 3.53	-0.037	15	0.34	43.053	18	33.5	2.92	16	33.5	B9 J	12A	2309	A -17 1654
27		8.3A	49 45.315	-0.0020	11	-19 12 2.90	0.019	09	0.23	45.347	18	33.5	3.21	16	33.5	G5 J	12B	2524	A -19 1589
28		9.3A	49 49.829	-0.0008	21	-17 13 58.13	-0.015	15	0.34	49.842	18	33.5	57.89	16	33.5	F0 J	12A	2310	A -17 1656
29		9.0A	49 52.747	0.0007	17	-18 34 36.62	-0.008	12	0.29	52.736	18	33.5	36.48	16	33.5	M J	12B	2525	A -18 1582
30		7.9A	49 52.918	-0.0042	17	-13 9 18.96	0.019	17	0.32	52.988	18	33.5	19.26	16	33.5	A2 J	11	2208	A -13 1694
31		8.4A	49 53.418	-0.0012	21	-15 12 41.00	-0.007	15	0.34	53.437	18	33.5	40.89	16	33.5	K0 J	12A	2311	A -15 1545
32		8.4A	49 57.404	-0.0012	18	-15 8 50.85	-0.012	13	0.31	57.424	18	33.5	50.66	16	33.5	K0 J	12A	2312	A -15 1546
33		8.5A	49 57.722	-0.0023	17	-11 28 38.83	-0.026	18	0.33	57.760	18	33.5	38.39	16	33.5	F0 J	11	2209	A -11 1670
34		9.1A	50 6.602	0.0010	12	-10 11 50.59	-0.046	12	0.26	6.584	16	33.1	49.80	16	33.1	K2	16	2219	A -10 1739
35		9.0A	50 7.152	0.0015	21	-16 19 21.21	-0.034	15	0.34	7.128	18	33.5	20.65	16	33.5	B9 J	12A	2313	A -16 1636
36		8.8A	50 15.093	-0.0008	12	-10 14 12.10	-0.021	12	0.26	15.106	16	33.1	11.73	16	33.1	K7	16	2220	A -10 1741
37		8.8A	50 16.549	-0.0003	13	-10 6 54.16	-0.017	13	0.28	16.554	16	33.1	53.86	16	33.1	B9	16	2221	A -9 1697
38		8.7A	50 17.724	0.0028	18	-11 2 27.53	-0.022	20	0.35	17.677	18	33.5	27.16	16	33.5	K5 J	11	2214	A -10 1742
39		9.0A	50 26.510	-0.0015	16	-10 22 52.29	-0.003	20	0.35	26.534	18	33.5	52.23	16	33.5	A0 J	11	2215	A -10 1743
40		9.2A	50 28.691	0.0012	17	-18 35 9.22	-0.018	13	0.30	28.671	18	33.5	8.92	16	33.5	F0 J	12B	2531	A -18 1587
41		7.0T	50 31.312	0.0013	16	-16 9 1.52	-0.024	20	0.87	31.251	27	03.8	0.41	24	03.3	B5	GC	9011	-16 1638
42		7.5A	50 34.929	-0.0017	15	-12 5 31.91	0.017	17	0.31	34.956	18	33.5	32.18	16	33.5	A2 J	11	2219	A -11 1673
43		8.6A	50 35.960	-0.0022	11	-10 0 21.38	0.006	11	0.24	35.997	16	33.1	21.47	16	33.1	K0	16	2224	A -9 1701
44		8.7A	50 36.950	-0.0025	13	-10 3 4.60	0.014	13	0.28	36.991	16	33.1	4.83	16	33.1	K0	16	2225	A -9 1702
45		8.6A	50 41.413	0.0019	18	-11 39 47.30	-0.013	20	0.35	41.381	18	33.5	47.08	16	33.5	A0 J	11	2220	A -11 1674
46		9.4A	50 45.343	-0.0034	18	-17 14 27.43	-0.019	13	0.31	45.398	18	33.5	27.12	16	33.5	A5 J	12A	2315	A -17 1661
47		8.6A	50 46.462	-0.0022	21	-17 33 33.54	-0.025	15	0.34	46.499	18	33.5	33.13	16	33.5	A3 J	12A	2316	A -17 1663
48		8.9A	50 48.979	-0.0024	17	-12 54 58.99	0.021	18	0.33	49.019	18	33.5	59.33	16	33.5	A0 J	11	2221	A -12 1678
49		8.1A	50 56.617	-0.0026	15	-11 9 46.99	0.022	17	0.31	56.660	18	33.5	47.34	16	33.5	A0 J	11	2222	A -11 1675
50		8.8A	50 56.701	-0.0013	17	-18 56 21.23	0.004	13	0.30	56.722	18	33.5	21.29	16	33.5	K0 J	12B	2534	A -18 1590
51		8.7A	6 50 56.881	-0.0013	13	-19 15 56.38	-0.014	09	0.26	56.903	18	33.5	56.14	16	33.5	F2 J	12B	2535	A -19 1593
52		9.1A	50 59.722	-0.0020	17	-13 36 25.03	0.022	18	0.33	59.755	18	33.5	25.39	16	33.5	A0 J	11	2223	A -13 1701
53		8.7A	51 0.038	-0.0002	21	-15 24 35.35	-0.028	15	0.34	0.040	18	33.5	34.89	16	33.5	M0 J	12A	2317	A -15 1550
54		8.6A	51 6.278	-0.0004	18	-19 31 21.65	0.000	13	0.31	6.285	18	33.5	21.65	16	33.5	F0 J	12B	2536	A -19 1594
55		5.6T	51 7.665	-0.0039	08	-18 58 11.84	-0.000	07	0.34	7.822	12	09.4	11.83	12	07.0	F0	GC	9021	-18 1591
56		6.2T	51 10.317	-0.0024	13	-18 52 14.15	0.020	13	0.70	10.433	24	01.1	15.17	22	98.7	A2	GC	9023	-18 1594
57		8.9A	51 11.151	0.0041	17	-18 42 11.65	-0.040	12	0.29	11.083	18	33.5	10.99	16	33.5	F8 J	12B	2539	A -18 1593
58		8.6A	51 12.283	-0.0010	20	-19 19 16.03	-0.008	15	0.34	12.299	18	33.5	15.89	16	33.5	A0 J	12B	2540	A -19 1596
59		8.5A	51 13.779	-0.0048	21	-14 32 33.22	-0.106	15	0.34	13.658	18	33.5	31.47	16	33.5	G5 J	12A	2318	A -14 1627
60		8.1Q	51 17.431	-0.0036	12	-18 22 59.26	-0.024	10	0.51	17.584	18	07.1	58.15	17	02.9	A2	GC	9028	-18 1595
61		8.9A	51 17.859	0.0030	18	-13 38 8.51	0.027	20	0.35	17.811	18	33.5	8.95	16	33.5	F2 J	11	2224	A -13 1705
62		8.6A	51 20.213	-0.0004	18	-16 47 48.30	0.028	13	0.31	20.220	18	33.5	48.76	16	33.5	A3 J	12A	2319	A -16 1644
63		8.9A	51 22.611	0.0009	18	-11 37 4.65	-0.007	20	0.35	22.596	18	33.5	4.53	16	33.5	F0 J	11	2225	A -11 1677
64		9.3A	51 23.819	-0.0006	18	-19 41 10.03	0.012	13	0.31	23.829	18	33.5	10.23	16	33.5	F2 J	12B	2544	A -19 1597
65		7.7A	51 26.899	-0.0017	18	-11 12 1.95	0.027	20	0.35	26.926	18	33.5	2.39	16	33.5	K0 J	11	2226	A -11 1678
66		8.0A	51 29.935	-0.0014	17	-13 7 40.95	0.018	18	0.33	29.959	18	33.5	41.24	16	33.5	B8 J	11	2227	A -13 1709
67		8.4A	51 32.672	0.0006	21	-13 57 40.58	0.032	15	0.34	32.662	18	33.5	41.11	16	33.5	A0 J	12A	2320	A -13 1712
68		9.0A	51 33.620	-0.0016	18	-13 7 20.71	0.003	20	0.35	33.647	18	33.5	20.75	16	33.5	B J	11	2230	A -13 1710
69		8.7A	51 50.037	-0.0014	17	-18 30 5.35	-0.005	13	0.30	50.061	18	33.5	5.26	16	33.5	B9 J	12B	2547	A -18 1596
70		8.8A	51 50.989	0.0014	18	-13 41 13.90	0.013	20	0.35	50.966	18	33.5	14.12	16	33.5	F0 J	11	2233	A -13 1717
71		4.2M	51 51.951	-0.0098	01	-11 58 28.64	-0.017	01	0.04	52.291	02	15.3	28.10	02	17.2	K2	F4	266	-11 1681
72		8.6A	51 52.963	-0.0006	21	-17 50 23.72	0.023	15	0.34	52.974	18	33.5	24.10	16	33.5	B8 J	12A	2321	A -17 1668
73		7.8A	51 53.186	0.0008	18	-13 34 30.74	-0.013	20	0.35	53.173	18	33.5	30.53	16	33.5	F5 J	11	2235	A -13 1718
74		9.0A	51 53.593	0.0002	18	-12 49 6.27	0.010	20	0.35	53.591	18	33.5	6.42	16	33.5	A2 J	11	2234	A -12 1686
75		9.0A	51 56.969	0.0007	18	-18 13 21.23	-0.022	13	0.31	56.957	18	33.5	20.87	16	33.5	B8P J	12B	2549	A -18 1598
76		8.8A	51 57.484	-0.0011	21	-15 31 47.39	-0.021	15	0.34	57.503	18	33.5	47.05	16	33.5	A2 J	12A	2322	A -15 1556
77		8.8Q	52 2.924	-0.0013	13	-14 10 43.63	-0.005	10	0.54	2.976	21	10.0	43.59	19	33.5	B9	GC	9058K	B#-14 1633
78		7.8A	52 8.717	-0.0016	21	-14 23 12.62	0.015	15	0.34	8.744	18	33.5	13.07	16	33.5	A2 J	12A	2325	A -14 1635
79		8.8A	52 12.236	0.0021	18	-19 24 4.17	0.019	13	0.31	12.201	18	33.5	4.48	16	33.5	G5 J	12B	2552	A -19 1601
80		8.7A	52 13.284	0.0008	17	-11 19 37.09	0.023	18	0.33	13.271	18	33.5	37.46	16	33.5	F0 J	11	2237	A -11 1684
81		7.8A	52 13.767	-0.0016	18	-13 41 18.41	-0.002	20	0.35	13.794	18	33.5	18.38	16	33.5	A0 J	11	2238	A -13 1719
82		9.2A	52 16.407	-0.0016	18	-13 4 42.94	0.005	20	0.35	16.434	18	33.5	43.02	16	33.5	K2 J	11	2239	A -12 1689
83		8.3A	52 19.669	0.0003	18	-16 41 32.89	0.019	13	0.31	19.665	18	33.5	33.20	16	33.5	K5 J	12A	2326	A -16 1649
84		8.6A	52 20.925	-0.0028	17	-11 1 28.11	-0.015	18	0.33	20.971	18	33.5	27.85	16	33.5	A0 J	11	2240	A -10 1753
85		8.2A	52 23.133	-0.0022	21	-17 51 10.40	0.005	15	0.34	23.170	18	33.5	10.48	16	33.5	B8 J	12A	2327	A -17 1673
86		8.9A	52 27.210	-0.0032	17	-12 37 16.05	0.055	18	0.33	27.263	18	33.5	16.95	16	33.5	A0 J	11	2241	A -12 1692
87		7.8A	52 29.821	-0.0019	18	-14 5 23.89	0.039	13	0.31	29.853	18	33.5	24.53	16	33.5	M0 J	12A	2328	A -13 1722
88		8.9A	52 32.063	-0.0003	17	-19 12 5.23	0.019	13	0.30	32.068	18	33.5	5.54	16	33.5	K J	12B	2554	A -19 1605
89		9.2A	52 32.722	-0.0010	17	-12 26 59.65	-0.015	18	0.33	32.738	18	33.5	59.40	16	33.5	F0 J	11	2243	A -12 1693
90		8.4A	52 36.660	0.0008	21	-14 47 49.92	-0.047	15	0.34	36.646	18	33.5	49.14	16	33.5	F8 J	12A	2329	A -14 1637
91		8.6A	52 37.800	0.0007	17	-11 39 6.49	0.028	18	0.33	37.788	18	33.5	6.94	16	33.5	K2 J	11	2244	A -11 1686
92		8.5A	52 38.753	-0.0004	18	-16 28 34.71	-0.017	13	0.31	38.759	18	33.5	34.43	16	33.5	M0 J	12A	2330	A -16 1652
93		9.2A	52 41.875	0.0019	21	-17 7 50.77	0.009	15	0.34	41.843	18	33.5	50.92	16	33.5	K5 J	12A	2331	A -17 1675
94		8.5A	52 42.008	0.0002	20	-11 42 21.04	-0.009	20	0.37	42.005	18	33.5	20.89	16	33.5	B9 J	11	2245	A -11 1687
95		9.1A	52 44.508	0.0002	17	-12 42 35.29	0.018	18	0.33	44.506	18	33.5	35.58	16	33.5	G5 J	11	2248	A -12 1694
96		8.8A	52 44.550	-0.0002	15	-11 51 24.34	-0.045	17	0.31	44.552	18	33.5	23.59	16	33.5	K5 J	11	2247	A -11 1688
97		8.8A	52 46.653	-0.0027	12	-10 5 31.27	-0.020	12	0.26	46.698	16	33.1	30.92	16	33.1	A5	16	2260	A -9 1728
98		8.4A	52 47.568	-0.0027	17	-11 22 4.36	-0.023	18	0.33	47.612	18	33.5	3.97	16	33.5	A0 J	11	2249	A -11 1689
99		8.7A	52 48.910	0.0006	18	-19 29 37.32	-0.001	13	0.31	48.901	18	33.5	37.30	16	33.5	M0 J	12B	2557	A -19 1607
00		8.0A	52 56.567	-0.0019	21	-15 38 18.00	-0.031	15	0.34	56.598	18	33.5	17.49	16	33.5	K2 J	12A	2333	A -15 1560

152100

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.		SOURCE CAT.	STAR NUMBER	-10° 6H DM NUMBER
1		8.4A	6 52 58.679	-0.0017	12	-10 7 25.47	-0.017	12	0.26	58.708	16	33.1	25.17	16	33.1	A2		16	2263	A -10 1756
2		7.8A	53 2.430	-0.0015	18	-17 9 0.51	-0.004	13	0.31	2.455	18	33.5	0.45	16	33.5	B9	J	12A	2334	A -17 1679
3		8.7A	53 4.746	0.0003	20	-10 43 7.76	-0.004	20	0.37	4.741	18	33.5	7.69	16	33.5	A2	J	11	2251	A -10 1757
4		9.0A	53 4.955	-0.0020	17	-11 24 45.78	0.005	18	0.33	4.988	18	33.5	45.85	16	33.5	A2	J	11	2252	A -11 1693
5		8.9A	53 6.355	0.0010	17	-14 25 12.37	-0.011	12	0.29	6.339	18	33.5	12.19	16	33.5	K7	J	12A	2335	A -14 1640
6		9.0A	53 8.095	-0.0031	18	-13 27 5.40	-0.012	20	0.35	8.147	18	33.5	5.20	16	33.5	K	J	11	2255	A -13 1729
7		8.7A	53 9.135	-0.0004	17	-16 35 20.92	-0.002	12	0.29	9.141	18	33.5	20.89	16	33.5	A2	J	12A	2336	A -16 1655
8		8.4A	53 11.899	-0.0013	12	-10 9 17.46	0.002	12	0.26	11.920	16	33.1	17.48	16	33.1	A0		16	2266K	A -10 1758
9		9.3A	53 17.614	0.0023	18	-12 9 9.90	-0.029	20	0.35	17.576	18	33.5	9.41	16	33.5	F	J	11	2256	A -12 1699
10		9.0A	53 22.822	0.0001	18	-11 47 56.16	-0.049	20	0.35	22.820	18	33.5	55.35	16	33.5	F	J	11	2257	A -11 1695
11		8.6A	53 24.933	-0.0019	18	-11 47 36.27	-0.011	20	0.35	24.964	18	33.5	36.08	16	33.5	F0	J	11	2258	A -11 1697
12		9.1A	53 25.622	-0.0020	21	-14 44 48.00	-0.012	15	0.34	25.655	18	33.5	47.80	16	33.5	G0	J	12A	2337	A -14 1643
13		8.8A	53 30.331	-0.0012	17	-16 28 17.35	-0.010	12	0.29	30.350	18	33.5	17.19	16	33.5	G5	J	12A	2339	A -16 1658
14		9.0A	53 30.903	-0.0021	17	-14 24 29.99	-0.010	12	0.29	30.937	18	33.5	29.83	16	33.5	G5	J	12A	2338	A -14 1644
15		8.4A	53 30.962	-0.0006	18	-13 40 39.92	-0.007	20	0.35	30.972	18	33.5	39.80	16	33.5	G5	J	11	2260	A -13 1735
16		8.9A	53 32.645	-0.0013	18	-10 32 17.90	0.042	20	0.35	32.667	18	33.5	18.58	16	33.5	A0	J	11	2259	A -10 1761
17		9.2A	53 33.148	-0.0017	21	-16 3 5.71	0.013	15	0.34	33.175	18	33.5	5.93	16	33.5	K5	J	12A	2340	A -15 1563
18		8.6A	53 38.468	-0.0008	18	-18 23 39.26	0.006	13	0.31	38.481	18	33.5	39.36	16	33.5	F0	J	12B	2565	A -18 1606
19		8.7A	53 39.228	0.0012	17	-11 28 24.51	-0.013	18	0.33	39.208	18	33.5	24.29	16	33.5	B9	J	11	2261	A -11 1699
20		8.9A	53 41.369	0.0006	18	-16 4 6.48	-0.003	13	0.31	41.360	18	33.5	6.44	16	33.5	K0	J	12A	2342	A -15 1565
21		8.8A	53 41.518	0.0002	21	-15 40 59.21	0.024	15	0.34	41.515	18	33.5	59.61	16	33.5	K2	J	12A	2341	A -15 1564
22		8.4A	53 42.114	-0.0005	17	-19 41 43.05	-0.010	13	0.30	42.122	18	33.5	42.89	16	33.5	K5	J	12B	2566	A -19 1611
23		5.2Q	53 49.103	-0.0005	03	-13 58 38.75	0.002	03	0.21	49.136	09	85.4	38.86	09	87.1	G5		GC	9103K	B*-13 1741
24		8.9A	53 50.076	-0.0002	12	-10 7 4.38	-0.029	12	0.26	50.079	16	33.1	3.88	16	33.1	K7		16	2273	A -10 1764
25		8.6A	53 52.068	-0.0056	21	-15 22 14.11	-0.084	15	0.34	52.161	18	33.5	12.73	16	33.5	F5	J	12A	2344	A -15 1567
26		4.4T	53 54.354	-0.0007	02	-16 59 16.84	0.008	02	0.13	54.390	05	98.0	17.24	06	00.9	B5		GC	9107	B*-16 1661
27		9.0A	53 55.662	-0.0013	18	-19 2 1.72	0.001	13	0.31	55.684	18	33.5	1.73	16	33.5	G5	J	12B	2568	A -18 1608
28		9.1A	53 56.283	-0.0026	21	-15 0 56.66	0.003	15	0.34	56.327	18	33.5	56.71	16	33.5	A0	J	12A	2345	A -14 1648
29		8.9A	54 1.016	0.0003	17	-12 47 15.46	0.024	17	0.32	1.011	18	33.5	15.85	16	33.5	B9	J	11	2266	A -12 1703
30		9.0A	54 2.270	0.0002	18	-11 41 10.30	0.002	20	0.35	2.266	18	33.5	10.32	16	33.5	A5	J	11	2265	A -11 1702
31		9.0A	54 3.324	0.0014	21	-17 8 3.88	0.019	15	0.34	3.301	18	33.5	4.19	16	33.5	F5	J	12A	2347	A -17 1689
32		9.0A	54 3.346	0.0000	18	-19 59 9.98	0.008	13	0.31	3.346	16	33.5	10.12	16	33.5	A2	J	13A	2571	A -19 1614
33		9.2A	54 3.547	-0.0021	13	-10 12 8.73	-0.006	11	0.26	3.603	16	33.1	8.62	16	33.1	K0		16	2275	A -10 1767
34		9.2A	54 3.988	-0.0016	17	-12 54 27.03	0.005	18	0.33	4.015	18	33.5	27.11	16	33.5	G5	J	11	2268	A -12 1704
35		9.3A	54 4.088	-0.0035	18	-10 12 25.63	0.065	20	0.35	4.145	10	33.5	26.69	16	33.5	K0	J	11	2267	A -10 1767
36		9.0A	54 13.966	-0.0018	21	-17 29 52.84	-0.012	15	0.34	13.996	18	33.5	52.65	16	33.5	A0	J	12A	2349	A -17 1693
37		9.4A	54 15.433	0.0001	21	-14 19 9.80	0.019	15	0.34	15.432	18	33.5	10.11	16	33.5	F8	J	12A	2348	A -14 1651
38		8.7A	54 16.762	0.0027	18	-18 35 38.04	-0.015	13	0.31	16.719	18	33.5	37.79	16	33.5	K2	J	12B	2572	A -18 1610
39		8.7A	54 19.612	-0.0004	21	-16 26 14.27	0.014	15	0.34	19.619	18	33.5	14.50	16	33.5	K0	J	12A	2350	A -16 1666
40		9.1A	54 25.122	0.0016	17	-13 42 47.40	-0.012	18	0.33	25.095	18	33.5	47.21	16	33.5	K2	J	11	2269	A -13 1743
41		9.1A	54 32.461	-0.0001	21	-15 19 1.34	-0.010	15	0.34	32.463	18	33.5	1.18	16	33.5	K0	J	12A	2351	A -15 1570
42		8.8A	54 33.213	0.0008	15	-11 18 47.68	-0.025	18	0.32	33.200	18	33.5	47.26	16	33.5	A2	J	11	2270	A -11 1705
43		8.7A	54 34.136	0.0017	18	-10 55 21.88	-0.042	15	0.32	34.108	18	33.5	21.18	16	33.5	B9	J	11	2271	A -10 1771
44		9.1A	54 35.318	0.0008	18	-19 54 11.48	0.012	13	0.31	35.305	18	33.5	11.68	16	33.5	B9	J	12B	2577	A -19 1618
45		9.0A	54 41.818	0.0026	21	-17 0 41.85	0.001	15	0.34	41.776	18	33.5	41.87	16	33.5	B9	J	12A	2352	A -16 1669
46		9.0A	54 42.831	0.0002	18	-10 52 49.15	0.010	20	0.35	42.827	18	33.5	49.31	16	33.5	A0	J	11	2272	A -10 1772
47		8.5A	54 45.914	-0.0008	12	-10 12 46.22	-0.021	12	0.26	45.927	16	33.1	45.85	16	33.1	B8		16	2287	A -10 1773
48		8.5A	54 47.968	0.0026	18	-19 38 41.82	0.038	13	0.31	47.926	18	33.5	42.45	16	33.5	K0	J	12B	2579	A -19 1621
49		7.0T	54 48.054	0.0011	22	-10 45 24.35	0.022	20	0.98	48.004	27	05.6	25.34	26	04.2	B5P		GC	9132	B*-10 1774
50		7.1T	54 49.281	0.0009	09	-17 1 51.88	-0.006	07	0.46	49.234	18	97.8	51.55	17	93.4	K0		GC	9134	-16 1671
51		6.7T	6 54 50.743	-0.0017	13	-19 22 13.91	-0.076	12	0.64	50.823	19	02.2	10.15	18	00.6	F5		GC	9136K	-19 1622
52		8.8A	54 51.201	0.0023	21	-16 24 37.85	-0.041	15	0.34	51.163	18	33.5	37.18	16	33.5	F5	J	12A	2354	A -16 1672
53		8.8A	54 54.299	0.0003	21	-14 34 14.20	0.001	15	0.34	54.294	18	33.5	14.21	16	33.5	K7	J	12A	2355	A -14 1658
54		8.2A	54 54.653	-0.0001	17	-15 40 32.43	-0.040	15	0.31	54.655	18	33.5	31.78	16	33.5	A0	J	12A	2356	A -15 1573
55		8.2A	54 55.760	0.0013	18	-17 29 33.79	-0.003	13	0.31	55.738	18	33.5	33.74	16	33.5	B9	J	12A	2358	A -17 1699
56		8.8A	54 56.703	-0.0023	17	-10 1 22.91	-0.001	18	0.33	56.741	18	33.5	22.88	16	33.5	F8	J	11	2275	A -9 1745
57		9.0A	54 57.005	-0.0001	21	-14 39 15.97	-0.006	15	0.34	57.006	18	33.5	15.87	16	33.5	A0	J	12A	2357	A -14 1659
58		9.4A	54 59.682	-0.0019	15	-10 47 20.15	-0.099	17	0.31	59.713	18	33.5	18.51	16	33.5	G	J	11	2276	A -10 1777
59		9.1A	55 0.176	-0.0004	17	-11 3 0.30	0.001	18	0.33	0.183	18	33.5	0.31	16	33.5	B8	J	11	2278	A -10 1778
60		7.8A	55 0.221	-0.0009	18	-10 52 40.14	0.011	20	0.35	0.236	18	33.5	40.31	16	33.5	B9	J	11	2277	A -10 1779
61		9.0A	55 4.371	0.0008	17	-18 10 34.01	0.046	13	0.30	4.358	18	33.5	34.77	16	33.5	G0	J	12B	2582	A -18 1613
62		8.0A	55 7.909	-0.0013	21	-16 19 4.34	0.002	15	0.34	8.010	18	33.5	4.38	16	33.5	G5	J	12A	2360	A -16 1673
63		9.0A	55 12.086	-0.0011	21	-17 1 38.58	0.008	15	0.34	12.105	18	33.5	38.71	16	33.5	A5	J	12A	2361	A -16 1674
64		7.6A	55 17.817	-0.0016	18	-16 49 19.93	0.024	13	0.31	17.844	18	33.5	20.33	16	33.5	A5	J	12A	2362	A -16 1677
65		9.0A	55 18.903	-0.0010	21	-16 27 10.42	0.009	15	0.34	18.920	18	33.5	10.57	16	33.5	A	J	12A	2363	A -16 1676
66		8.3A	55 19.838	-0.0006	15	-12 16 2.16	-0.003	17	0.31	19.847	18	33.5	2.10	16	33.5	K0	J	11	2279	A -12 1714
67		8.3A	55 21.212	-0.0022	21	-16 25 18.57	0.021	15	0.34	21.249	18	33.5	18.92	16	33.5	B9	J	12A	2365	A -16 1678
68		9.0A	55 23.791	-0.0018	21	-14 13 49.33	-0.014	15	0.34	23.820	18	33.5	49.09	16	33.5	A0	J	12A	2364K	A -14 1661
69		8.6A	55 31.953	-0.0013	18	-19 15 12.47	0.007	13	0.31	31.974	18	33.5	12.58	16	33.5	K2	J	12B	2587	A -19 1625
70		8.5A	55 32.765	-0.0003	21	-14 52 24.07	0.032	15	0.34	32.769	18	33.5	24.59	16	33.5	A5	J	12A	2366	A -14 1662
71		6.8T	55 37.612	0.0009	13	-10 43 3.92	-0.023	11	0.59	37.569	21	04.2	2.77	19	01.0	K0		GC	9150	B*-10 1786
72		8.8A	55 38.417	-0.0029	17	-12 53 31.96	-0.003	16	0.33	38.466	18	33.5	31.90	16	33.5	G0	J	11	2282	A -12 1721
73		8.8A	55 42.587	-0.0000	21	-14 52 57.70	0.023	15	0.34	42.587	18	33.5	58.07	16	33.5	A0	J	12A	2367	A -14 1663
74		8.2A	55 44.671	0.0020	21	-14 45 5.66	-0.032	15	0.34	44.638	18	33.5	5.14	16	33.5	K5	J	12A	2368	A -14 1664
75		6.8T	55 46.553	-0.0010	17	-10 14 50.03	0.008	16	0.80	46.599	19	03.0	50.39	19	02.1	K2		GC	9157	-10 1787
76		9.0A	55 51.597	-0.0012	15	-12 56 39.29	0.014	18	0.32	51.616	18	33.5	39.51	16	33.5	A0	J	11	2284	A -12 1722
77		8.0A	56 0.846	0.0006	17	-17 42 38.12	-0.007	15	0.31	0.836	18	33.5	38.01	16	33.5	K0	J	12A	2369	A -17 1705
78		8.9A	56 1.362	-0.0007	20	-17 59 58.06	-0.034	15	0.34	1.373	18	33.5	57.50	16	33.5	K0	J	12B	2591	A -17 1706
79		8.6A	56 5.734	-0.0021	17	-10 34 40.64	-0.021	18	0.33	5.769	18	33.5	40.29	16	33.5	A3	J	11	2286	A -10 1789
80		8.9A	56 6.999	0.0058	17	-12 55 15.39	-0.083	18	0.33	6.905	18	33.5	14.02	16	33.5	K0	J	11	2288	A -12 1724
81		8.8Q	56 7.290	-0.0003	10	-11 21 43.61	-0.007	06	0.45	7.302	19	03.9	43.18	18	93.2	A2		GC	9166K	-11 1714
82		7.8A	56 9.074	-0.0010	18	-15 59 9.06	0.001	13	0.31	9.091	18	33.5	9.08	16	33.5	B9	J	12A	2371	A -15 1581
83		9.3A	56 9.403	-0.0005	21	-17 12 25.38	-0.025	15	0.34	9.411	18	33.5	24.97	16	33.5	A2	J	12A	2372	A -17 1707
84		8.7A	56 16.647	0.0007	12	-10 6 33.52	-0.019	12	0.26	16.635	16	33.1	33.19	16	33.1	F0		16	2310	A -9 1764
85		8.2A	56 18.641	0.0011	18	-13 47 27.25	-0.029	20	0.35	18.623	18	33.5	26.77	16	33.5	K5	J	11	2292	A -13 1754
86		9.0A	56 18.731	-0.0018	21	-17 4 34.55	0.001	15	0.34	18.761	18	33.5	34.57	16	33.5	K0	J	12A	2373	A -16 1686
87		8.4A	56 20.528	-0.0031	21	-16 14 41.09	-0.016	15	0.34	20.578	18	33.5	40.83	16	33.5	K0	J	12A	2374	A -16 1685
88		9.0A	56 21.633	-0.0013	17	-12 26 39.08	-0.024	18	0.33	21.653	18	33.5	38.68	16	33.5	K0	J	11	2295	A -12 1725
89		9.0A	56 22.002	0.0034	17	-11 45 36.34	0.010	18	0.33	21.945	18	33.5	36.50	16	33.5	K2	J	11	2293	A -11 1716
90		8.8A	56 22.113	-0.0016	17	-11 37 51.71	0.034	18	0.33	22.139	18	33.5	52.26	16	33.5	F5	J	11	2294	A -11 1715
91		9.2A	56 28.005	0.0015	17	-13 47 43.69	-0.016	18	0.33	27.980	18	33.5	43.42	16	33.5	A0	J	11	2297	A -13 1755
92		9.0A	56 32.784	-0.0011	15	-10 30 39.67	-0.004	15	0.30	32.802	18	33.5	39.59	16	33.5	A0	J	11	2298	A -10 1792
93		8.8A	56 33.932	0.0004	20	-19 15 38.72	-0.013	15	0.34	33.926	18	33.5	38.50	16	33.5	A0	J	12B	2598	A -19 1635
94		8.4A	56 34.584	-0.0007	21	-17 33 46.52	-0.019	15	0.34	34.596	18	33.5	46.22	16	33.5	B9	J	12A	2375	A -17 1709
95		8.6A	56 35.071	0.0005	12	-10 9 36.67	-0.020	11	0.25	35.062	16	33.1	36.32	16	33.1	B9		16	2314	A -10 1793
96		8.8A	56 39.041	-0.0020	20	-10 48 45.57	-0.002	20	0.37	39.074	18	33.5	45.53	16	33.5	B9	J	11	2300	A -10 1794
97		8.3A	56 45.204	-0.0016	15	-10 42 52.49	0.018	15	0.30	45.230	18	33.5	52.78	16	33.5	B9	J	11	2301	A -10 1795
98		8.3A	56 45.767	-0.0004	21	-14 53 30.86	0.018	15	0.34	45.772	18	33.5	31.15	16	33.5	A0	J	12A	2376	A -14 1669
99		8.4A	56 48.250	-0.0003	21	-14 24 51.93	-0.018	15	0.34	48.256	18	33.5	51.64	16	33.5	F0	J	12A	2377	A -14 1670
00		8.7A	56 50.380	0.0031	13	-11 35 51.95	-0.033	15	0.29	50.329	18	33.5	51.40	16	33.5	F5	J	11	2302	A -11 1719

152200

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	EPOCH 1950 μ s	EPOCH 1950 σ_μ ″.001	EPOCH 1950 δ_{1950} ° ′ ″	EPOCH 1950 μ' ″	EPOCH 1950 σ_μ' ″.001	EPOCH 1950 σ_{1950} ″	ORIGINAL EPOCH α_2 s	ORIGINAL EPOCH σ ″.01	ORIGINAL EPOCH ep.	ORIGINAL EPOCH δ_2 ″	ORIGINAL EPOCH σ' ″.01	ORIGINAL EPOCH ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	-10° 6H DM NUMBER
1		8.5A	6 56 51.733	-0.0018	17	-12 11 46.42	0.022	18	0.33	51.762	18	33.5	46.77	16	33.5	K2 J	11	2303	A -12 1726
2		8.7A	56 59.009	0.0007	17	-12 48 0.28	-0.019	18	0.33	58.997	18	33.5	59.96	16	33.5	F0 J	11	2304	A -12 1728
3		8.3A	57 0.817	-0.0002	15	-11 25 17.93	-0.002	17	0.31	0.819	18	33.5	17.89	16	33.5	K5 J	11	2305	A -11 1720
4		8.8A	57 0.976	0.0013	17	-17 36 4.45	0.008	15	0.31	0.955	18	33.5	4.59	16	33.5	K5 J	12A	2378	A -17 1714
5		9.2A	57 2.749	-0.0028	17	-11 36 3.51	0.001	18	0.33	2.795	18	33.5	3.52	16	33.5	K5 J	11	2306	
6		8.9A	57 4.708	0.0021	20	-11 5 14.65	0.032	20	0.37	4.674	18	33.5	15.17	16	33.5	B8 J	11	2307	A -10 1799
7		8.8A	57 10.085	0.0001	21	-15 54 34.86	0.012	15	0.34	10.083	18	33.5	35.06	16	33.5	F8 J	12A	2379	A -15 1589
8		8.8A	57 10.450	-0.0006	18	-13 37 39.67	-0.059	20	0.35	10.460	18	33.5	39.69	16	33.5	F0 J	11	2308	A -13 1754
9		9.4A	57 12.120	-0.0009	21	-17 0 33.50	0.011	15	0.34	12.135	18	33.5	33.46	16	33.5	A2 J	12A	2380	A -16 1692
10		8.9A	57 15.962	0.0021	17	-18 47 47.44	-0.064	13	0.30	15.928	18	33.5	46.36	16	33.5	G5 J	12B	2810	A -18 1626
11		8.0A	57 17.295	0.0002	18	-12 55 55.28	-0.012	20	0.35	17.292	18	33.5	55.08	16	33.5	B3 J	11	2309	A -12 1729
12		8.0A	57 18.972	-0.0036	18	-11 54 4.66	0.013	20	0.35	19.031	18	33.5	4.87	16	33.5	F0 J	11	2310	A -11 1725
13		9.0A	57 21.622	-0.0017	17	-11 5 13.76	-0.007	18	0.33	21.650	18	33.5	13.64	16	33.5	B8 J	11	2311	A -10 1802
14		8.8A	57 28.628	-0.0033	21	-14 28 21.83	-0.007	15	0.34	28.682	18	33.5	21.71	16	33.5	A3 J	12A	2381	A -14 1674
15		9.1A	57 28.675	-0.0013	17	-19 58 31.53	-0.022	13	0.30	28.657	16	33.5	31.90	16	33.5	K7 J	13A	2612	A -19 1643
16		8.8A	57 31.432	-0.0027	21	-16 7 49.88	-0.023	15	0.34	31.477	18	33.5	49.50	16	33.5	B5 J	12A	2382	A -16 1694
17		9.2A	57 33.187	0.0004	12	-10 12 8.52	-0.004	12	0.26	33.179	16	33.1	8.44	16	33.1	B8	16	2324	A -10 1804
18		7.9A	57 35.969	0.0006	21	-14 57 3.38	0.036	15	0.34	35.959	18	33.5	3.97	16	33.5	F2 J	12A	2383	A -14 1675
19		8.9A	57 36.363	0.0005	21	-15 31 19.30	-0.014	15	0.34	36.355	18	33.5	19.07	16	33.5	G5 J	12A	2384	A -15 1593
20		8.5A	57 36.760	-0.0018	21	-15 10 8.79	0.006	15	0.34	36.789	18	33.5	8.89	16	33.5	F5 J	12A	2385	A -15 1594
21		9.0A	57 41.841	-0.0007	15	-13 38 13.31	-0.023	17	0.31	41.852	18	33.5	13.68	16	33.5	M0 J	11	2314	A -13 1769
22		9.0A	57 45.666	0.0017	17	-16 36 10.06	-0.016	12	0.29	45.637	18	33.5	9.80	16	33.5	K2 J	12A	2386	A -16 1698
23		8.6A	57 54.332	-0.0027	21	-16 15 3.50	-0.011	15	0.34	54.377	18	33.5	3.33	16	33.5	A3 J	12A	2387	A -16 1701
24		8.7A	57 55.918	-0.0001	18	-13 30 59.41	-0.024	20	0.35	55.920	18	33.5	59.01	16	33.5	A0 J	11	2316	A -13 1770
25		8.9A	57 57.476	0.0006	18	-11 39 17.01	-0.022	20	0.35	57.465	18	33.5	16.64	16	33.5	A0 J	11	2315	A -11 1730
26		9.1A	58 2.968	-0.0007	15	-12 42 44.31	-0.006	18	0.32	2.979	18	33.5	44.21	16	33.5	K0 J	11	2317	A -12 1733
27		8.9A	58 3.310	-0.0023	15	-13 44 32.77	-0.029	17	0.31	3.348	18	33.5	33.24	16	33.5	B9 J	11	2318	A -13 1771
28		6.9T	58 4.545	-0.0004	20	-19 43 47.67	-0.009	14	0.75	4.560	24	09.7	47.27	21	04.9	K0	GC	9229	-19 1645
29		8.1T	58 7.251	-0.0006	09	-15 11 16.92	-0.028	06	0.42	7.277	19	04.2	15.35	17	94.1	A0	GC	9231	-15 1597
30		9.3A	58 7.980	0.0009	21	-16 57 54.23	0.018	15	0.34	7.965	18	33.5	54.53	16	33.5	A3 J	12A	2389	A -16 1702
31		8.7A	58 9.861	-0.0013	15	-19 57 39.00	-0.015	12	0.27	9.882	16	33.5	38.76	16	33.5	G0 J	13A	2623	A -19 1646
32		9.3A	58 15.040	-0.0008	21	-17 5 36.34	0.029	15	0.34	15.053	18	33.5	36.82	16	33.5	K2 J	12A	2390	A -16 1704
33		8.8A	58 16.694	-0.0011	15	-11 10 27.86	0.014	15	0.30	16.711	18	33.5	28.08	16	33.5	K0 J	11	2319	A -11 1735
34		8.6A	58 21.619	-0.0034	18	-13 4 36.96	0.015	20	0.35	21.675	18	33.5	37.20	16	33.5	G5 J	11	2320	A -12 1736
35		7.8A	58 22.605	-0.0005	21	-15 19 38.40	-0.024	15	0.34	22.614	18	33.5	38.01	16	33.5	K5 J	12A	2391	A -15 1599
36		8.9A	58 26.211	-0.0030	18	-19 50 43.16	0.014	13	0.31	26.261	18	33.5	43.39	16	33.5	B8 J	12B	2826	A -19 1648
37		8.5A	58 30.318	-0.0000	17	-18 13 49.05	-0.006	13	0.30	30.319	18	33.5	48.95	16	33.5	K5 J	12B	2828	A -18 1633
38		8.2T	58 34.558	-0.0019	08	-15 14 39.12	-0.010	06	0.40	34.647	19	02.6	38.60	15	98.3	A2	GC	9243K	B#-15 1602
39		6.9T	58 40.967	-0.0027	20	-19 22 20.06	0.023	18	0.87	41.081	27	07.2	21.07	27	05.8	A0	GC	9244	-19 1649
40		9.1A	58 42.270	-0.0004	13	-11 38 55.74	0.010	15	0.29	42.276	18	33.5	55.90	16	33.5	A0 J	11	2322	A -11 1738
41		9.2A	58 43.908	-0.0031	21	-16 22 21.84	-0.026	15	0.34	43.960	18	33.5	21.42	16	33.5	A0 J	12A	2395	A -16 1705
42		8.6A	58 48.494	0.0001	17	-17 19 16.71	0.000	12	0.29	48.493	18	33.5	16.71	16	33.5	K5 J	12A	2397	A -17 1729
43		9.2A	58 59.974	-0.0021	12	-10 8 6.33	0.002	12	0.26	+ 0.009	16	33.1	6.35	16	33.1	F0	16	2352	A -10 1813
44		8.9A	59 0.862	0.0011	18	-11 9 34.75	-0.007	20	0.35	0.843	18	33.5	34.62	16	33.5	K0 J	11	2325	A -11 1742
45		9.3A	59 2.754	-0.0014	13	-10 12 15.29	-0.006	13	0.28	2.777	16	33.1	15.18	16	33.1	A0	16	2354	A -10 1814
46		9.0A	59 2.944	-0.0033	17	-18 13 33.58	0.017	13	0.30	2.999	18	33.5	33.87	16	33.5	M0 J	12B	2834	A -18 1637
47		8.6A	59 10.030	0.0040	18	-12 15 23.19	0.006	20	0.35	9.963	18	33.5	23.28	16	33.5	A3 J	11	2327	A -12 1739
48		8.4A	59 12.518	0.0007	18	-13 3 34.30	-0.017	20	0.35	12.507	18	33.5	34.01	16	33.5	M1 J	11	2328	A -12 1740
49		8.9A	59 14.032	0.0004	15	-13 22 4.28	-0.002	17	0.31	14.025	18	33.5	4.24	16	33.5	A0 J	11	2329	A -13 1777
50		8.6A	59 17.975	-0.0007	18	-19 7 40.45	0.007	11	0.30	17.986	18	33.5	40.56	16	33.5	A3 J	12B	2839	A -19 1651
51		8.6A	6 59 18.141	0.0002	21	-14 58 45.36	0.009	15	0.34	18.138	18	33.5	45.50	16	33.5	A0 J	12A	2399	A -14 1687
52		9.1A	59 23.643	-0.0007	18	-18 3 32.89	-0.021	13	0.31	23.655	18	33.5	32.56	16	33.5	A0 J	12B	2840	A -17 1731
53		9.1A	59 24.168	0.0026	15	-11 8 53.07	0.005	17	0.31	24.125	18	33.5	53.14	16	33.5	K2 J	11	2330	A -11 1745
54		8.3A	59 25.795	-0.0015	17	-19 31 35.32	0.014	13	0.30	25.819	18	33.5	35.55	16	33.5	K0 J	12B	2841	A -19 1652
55		6.6T	59 28.562	-0.0019	16	-11 13 41.46	0.010	14	0.78	28.652	24	02.0	41.94	22	99.3	B3	GC	9267K	B#-11 1747
56		6.8T	59 28.566	0.0001	20	-10 48 34.46	0.008	18	0.89	28.560	26	06.0	34.81	24	04.0	F8	GC	9268K	B#-10 1818
57		8.9A	59 31.772	0.0002	15	-17 0 2.21	0.006	13	0.29	31.769	18	33.5	2.31	16	33.5	A5 J	12A	2401	A -16 1714
58		7.9A	59 36.547	-0.0001	21	-15 18 42.53	0.007	15	0.34	36.549	18	33.5	42.65	16	33.5	K5 J	12A	2402	A -15 1608
59		8.9A	59 41.825	-0.0031	18	-13 26 12.69	-0.060	20	0.35	41.877	18	33.5	11.69	16	33.5	K5 J	11	2333	A -13 1782
60		7.8A	59 43.861	-0.0009	21	-17 34 15.68	-0.026	15	0.34	43.876	18	33.5	15.25	16	33.5	A2 J	12A	2405	A -17 1733
61		9.6A	59 44.821	-0.0020	21	-16 35 4.49	-0.014	15	0.34	44.853	18	33.5	4.26	16	33.5	A3 J	12A	2404	A -16 1715
62		8.4A	59 46.741	0.0016	21	-14 59 40.44	-0.003	15	0.34	46.715	18	33.5	40.38	16	33.5	A3 J	12A	2403	A -14 1688
63		8.8A	59 46.900	0.0004	17	-17 16 53.83	-0.013	12	0.29	46.893	18	33.5	53.62	16	33.5	K0 J	12A	2406	A -17 1735
64		8.9A	59 47.414	0.0012	20	-18 15 51.58	-0.018	15	0.34	47.395	18	33.5	51.29	16	33.5	K0 J	12B	2844	A -18 1644
65		8.9A	59 47.769	-0.0004	18	-11 5 42.51	0.005	20	0.35	47.776	18	33.5	42.58	16	33.5	A0 J	11	2334	A -10 1821
66		8.6A	59 49.211	-0.0013	18	-12 25 53.54	0.025	20	0.35	49.233	18	33.5	53.95	16	33.5	K0 J	11	2335	A -12 1745
67		8.6A	59 50.616	0.0005	21	-17 37 38.09	0.000	15	0.34	50.608	18	33.5	38.09	16	33.5	F2 J	12A	2409	A -17 1737
68		8.2A	59 50.625	-0.0015	18	-16 43 22.85	-0.010	13	0.31	50.650	18	33.5	22.66	16	33.5	K2 J	12A	2408	A -16 1716
69		8.5A	59 53.162	-0.0002	18	-10 36 21.10	-0.006	20	0.35	53.166	18	33.5	20.96	16	33.5	F3 J	11	2336	A -10 1824
70		9.3A	59 53.793	0.0001	15	-13 38 32.50	0.028	15	0.30	53.792	18	33.5	32.96	16	33.5	K5 J	11	2337	A -13 1784
71		8.4A	59 55.088	-0.0013	21	-14 17 20.46	-0.004	15	0.34	55.109	18	33.5	20.39	16	33.5	A3 J	12A	2410	A -14 1689
72		8.8A	59 56.363	-0.0006	13	-12 32 31.15	-0.003	15	0.29	56.373	18	33.5	31.09	16	33.5	A0 J	11	2338	A -12 1747
73		8.4A	7 0 1.137	-0.0007	21	-14 18 48.15	-0.004	15	0.34	1.148	18	33.5	48.09	16	33.5	B9 J	12A	2411	A -14 1690
74		8.6A	0 2.333	-0.0008	21	-15 11 11.35	0.006	15	0.34	2.346	18	33.5	11.45	16	33.5	K7 J	12A	2412	A -15 1610
75		8.9A	0 4.893	0.0015	21	-15 14 47.59	-0.037	15	0.34	4.869	18	33.5	46.99	16	33.5	G0 J	12A	2413	A -15 1612
76		8.0A	0 21.714	-0.0021	18	-13 6 56.70	0.005	20	0.35	21.749	18	33.5	56.78	16	33.5	B9 J	11	2341	A -12 1750
77		8.1A	0 21.896	-0.0005	15	-11 22 45.98	0.001	17	0.31	21.905	18	33.5	45.99	16	33.5	B5 J	11	2340	A -11 1755
78		9.0A	0 22.457	0.0010	17	-13 36 46.93	-0.031	18	0.33	22.441	18	33.5	46.42	16	33.5	A2 J	11	2342	A -13 1789
79		8.4A	0 24.615	-0.0004	21	-16 54 38.13	-0.012	15	0.34	24.622	18	33.5	37.93	16	33.5	K0 J	12A	2414	A -16 1720
80		8.2A	0 25.253	-0.0016	18	-19 41 42.56	0.006	11	0.30	25.280	18	33.5	42.66	16	33.5	A2 J	12B	2847	A -19 1656
81		7.9A	0 27.971	0.0003	21	-17 30 27.48	-0.011	15	0.34	27.967	18	33.5	27.31	16	33.5	B9 J	12A	2416	A -17 1743
82		7.7A	0 29.488	-0.0023	18	-13 1 18.71	-0.007	20	0.35	29.526	18	33.5	18.59	16	33.5	A0 J	11	2344	A -12 1752
83		8.8A	0 31.627	-0.0020	17	-19 5 8.40	0.006	13	0.30	31.660	18	33.5	8.49	16	33.5	K0 J	12B	2849	A -18 1649
84		8.9A	0 32.647	-0.0017	12	-10 16 56.39	-0.013	12	0.26	32.675	16	33.1	56.16	16	33.1	F5	16	2381	A -10 1832
85		6.9T	0 34.983	0.0002	18	-16 37 31.58	-0.012	16	0.83	34.974	19	03.5	31.01	18	01.5	K0	GC	9296K	-16 1723
86		8.0A	0 36.492	0.0001	18	-13 8 38.93	0.026	20	0.35	36.491	18	33.5	39.35	16	33.5	F5 J	11	2345	A -13 1791
87		8.8A	0 41.144	-0.0007	17	-11 2 34.24	0.010	17	0.32	41.155	18	33.5	34.39	16	33.5	B9 J	11	2346	A -10 1833
88		8.1A	0 46.743	0.0005	17	-11 7 29.45	-0.015	17	0.32	46.734	18	33.5	29.19	16	33.5	B5 J	11	2347	A -10 1834
89		8.8A	0 47.048	-0.0007	21	-14 5 40.30	-0.018	15	0.34	47.060	18	33.5	40.00	16	33.5	A0 J	12A	2418	A -13 1795
90		8.6A	0 47.219	0.0009	17	-18 15 42.72	-0.025	13	0.30	47.209	18	33.5	42.31	16	33.5	B9 J	12B	2854	A -18 1650
91		9.0A	0 48.848	0.0026	18	-16 6 13.74	-0.028	13	0.31	48.805	18	33.5	13.28	16	33.5		12A	2419	A -15 1616
92		9.4A	0 49.814	-0.0009	21	-17 31 57.38	0.006	15	0.34	49.829	18	33.5	57.48	16	33.5	A2 J	12A	2423	A -17 1748
93		8.1A	0 50.326	0.0013	18	-15 55 53.92	0.000	13	0.31	50.304	18	33.5	53.92	16	33.5	K5 J	12A	2421	A -15 1617
94		9.2A	0 51.610	0.0017	18	-16 6 45.82	0.012	13	0.31	51.582	18	33.5	46.02	16	33.5	F8 J	12A	2422	A -15 1618
95		8.0A	0 53.158	0.0001	15	-11 3 47.46	-0.029	17	0.31	53.156	18	33.5	46.97	16	33.5	A0 J	11	2349	A -10 1836
96		8.7A	0 55.598	-0.0005	18	-12 8 38.79	-0.018	20	0.35	55.606	18	33.5	38.49	16	33.5	K2 J	11	2350	A -12 1756
97		8.7A	0 56.402	0.0010	18	-19 14 13.76	-0.000	13	0.31	56.386	18	33.5	13.76	16	33.5	K0 J	12B	2855	A -19 1662
98		9.1A	1 1.045	0.0020	18	-16 38 22.19	-0.006	13	0.31	1.012	18	33.5	22.09	16	33.5	K7 J	12A	2424	A -16 1729
99		8.6A	1 3.853	-0.0011	21	-15 10 53.11	-0.008	15	0.34	3.871	18	33.5	52.98	16	33.5	K0 J	12A	2425	A -15 1620
00		8.8A	1 15.309	-0.0014	20	-19 8 21.10	-0.003	15	0.34	15.333	18	33.5	21.05	16	33.5	M0 J	12B	2862	A -19 1664

152300			EPOCH 1950							ORIGINAL EPOCH						SP.	SOURCE		-10° 7H
NUMBER	MAGNITUDES		α_{1950}	μ	σ_μ	δ_{1950}	μ'	$\sigma_{\mu'}$	σ_{1950}	α_2	σ	ep.	δ_2	σ'	ep.		CAT.	STAR NUMBER	DM NUMBER
	m_{pg}	m_v	h m s	s	s/.001	° ′ ″	″	″/.001	″	s	s/.01		″	″/.01					
1		9.4A	7 1 18.408	-0.0013	21	-16 41 41.66	-0.026	15	0.34	18.430	18	33.5	41.23	16	33.5	A2 J	12A	2426	A -16 1732
2		8.6A	1 22.566	-0.0014	18	-11 28 35.92	0.021	20	0.35	22.589	18	33.5	36.26	16	33.5	BF J	11	2351	A -11 1760
3		4.1H	1 29.713	-0.0004	01	-15 33 28.79	-0.009	01	0.05	29.730	02	07.8	28.45	02	11.0	B5	F4	271	-15 1625
4		8.7A	1 31.337	0.0018	18	-18 57 57.53	-0.017	13	0.31	31.307	18	33.5	57.24	16	33.5	A2 J	12B	2664	A -18 1656
5		8.8A	1 31.739	-0.0017	18	-12 29 16.96	0.036	20	0.35	31.766	18	33.5	17.55	16	33.5	K0 J	11	2352	A -12 1760
6		8.2A	1 31.985	0.0001	21	-15 12 41.66	0.004	15	0.34	31.984	18	33.5	41.73	16	33.5	K0 J	12A	2428	A -15 1626
7		8.4A	1 34.727	0.0020	18	-13 1 16.94	0.034	20	0.35	34.694	18	33.5	17.49	16	33.5	K2 J	11	2354	A -12 1761
8		6.4T	1 35.084	-0.0021	12	-10 2 55.29	-0.014	12	0.60	35.184	18	01.8	54.58	18	01.3	B8	GC	9321	-9 1818
9		9.0A	1 36.361	-0.0002	18	-17 24 1.52	0.002	13	0.31	36.365	18	33.5	1.56	16	33.5	K2 J	12A	2429	A -17 1752
10		9.1A	1 40.600	0.0007	20	-13 3 47.16	0.015	20	0.37	40.588	18	33.5	47.40	16	33.5	A0 J	11	2355	A -12 1762
11		8.3A	1 42.906	0.0006	18	-12 12 46.06	0.004	20	0.35	42.895	18	33.5	46.12	16	33.5	B9 J	11	2356	A -12 1763
12		8.8A	1 45.906	-0.0020	21	-16 49 18.38	0.003	15	0.34	45.938	18	33.5	18.43	16	33.5	A0 J	12A	2430	A -16 1736
13		8.4A	1 47.283	-0.0009	13	-10 12 25.19	-0.017	13	0.28	47.298	16	33.1	24.89	16	33.1	A2	16	2396	A -10 1846
14		9.0A	1 53.485	0.0017	18	-17 21 41.38	-0.016	13	0.31	53.457	18	33.5	41.12	16	33.5	F8 J	12A	2431	A -17 1756
15		9.4A	1 54.091	0.0050	21	-10 29 58.20	0.021	22	0.40	54.008	18	33.5	58.53	16	33.5	A0 J	11	2358	A -10 1847
16		9.0A	1 55.106	-0.0009	20	-11 19 33.45	-0.006	20	0.37	55.121	18	33.5	33.34	16	33.5	B5 J	11	2359	A -11 1766
17		8.6A	1 55.150	-0.0000	20	-13 39 48.73	-0.019	20	0.37	55.150	18	33.5	48.41	16	33.5	A0 J	11	2360	A -13 1802
18		8.3A	1 55.972	-0.0006	18	-15 15 4.84	-0.025	13	0.31	55.983	18	33.5	4.43	16	33.5	B5 J	12A	2432	A -15 1629
19		8.9A	2 1.685	0.0020	17	-19 28 4.68	0.100	13	0.30	1.653	18	33.5	6.32	16	33.5	G0 J	12B	2671	A -19 1670
20		8.1A	2 3.594	-0.0023	20	-10 22 43.69	-0.043	20	0.37	3.632	18	33.5	42.97	16	33.5	B0 J	11	2361	A -10 1848
21		9.1A	2 3.944	-0.0006	20	-13 43 24.47	-0.006	20	0.37	3.954	18	33.5	24.36	16	33.5	K7 J	11	2362	A -13 1804
22		8.6A	2 5.490	-0.0022	17	-19 10 45.13	0.002	13	0.30	5.527	18	33.5	45.16	16	33.5	K0 J	12B	2672	A -19 1672
23		8.8A	2 16.957	0.0003	17	-18 9 3.76	-0.011	13	0.30	16.952	18	33.5	3.58	16	33.5	K0 J	12B	2676	A -18 1664
24		7.8Q	2 17.643	-0.0004	10	-11 26 53.17	-0.008	07	0.44	17.659	19	07.2	52.72	19	97.3	B5	GC	9336K	B*-11 1770
25		8.6A	2 18.245	0.0010	18	-17 19 56.27	-0.010	13	0.31	18.228	18	33.5	56.11	16	33.5	B8 J	12A	2434	A -17 1760
26		8.9A	2 18.368	0.0008	17	-11 54 33.60	0.022	18	0.33	18.354	18	33.5	33.95	16	33.5	B9 J	11	2364	A -11 1771
27		8.1A	2 18.646	-0.0052	17	-12 2 55.40	0.047	18	0.33	18.732	18	33.5	56.17	16	33.5	F8 J	11	2366	A -11 1772
28		8.8A	2 20.481	-0.0009	13	-10 5 18.02	0.003	13	0.28	20.495	16	33.1	18.06	16	33.1	F2	16	2403	A -9 1827
29		8.7A	2 20.917	0.0003	18	-13 52 0.03	-0.017	20	0.35	20.913	18	33.5	-59.74	16	33.5	B8 J	11	2367	A -13 1806
30		9.2A	2 23.023	0.0022	21	-16 59 28.85	-0.004	15	0.34	22.988	18	33.5	28.79	16	33.5	K0 J	12A	2435	A -16 1740
31		8.6A	2 24.691	-0.0000	18	-11 10 56.60	-0.028	20	0.35	24.691	18	33.5	56.13	16	33.5	K0 J	11	2368	A -11 1773
32		9.0A	2 26.800	0.0032	21	-14 29 55.25	-0.039	15	0.34	26.747	18	33.5	54.61	16	33.5	G0 J	12A	2436	A -14 1704
33		9.0A	2 30.722	-0.0017	17	-10 26 23.44	0.036	18	0.33	30.749	18	33.5	24.02	16	33.5	K5 J	11	2369	A -10 1850
34		8.8A	2 31.296	-0.0004	17	-11 50 17.40	-0.010	18	0.33	31.301	18	33.5	17.23	16	33.5	A0 J	11	2370	A -11 1774
35		9.0A	2 33.608	-0.0007	18	-13 4 15.09	0.026	20	0.35	33.621	18	33.5	15.51	16	33.5	K5 J	11	2371	A -12 1767
36		8.6A	2 33.691	0.0005	15	-19 4 14.27	-0.014	11	0.27	33.684	18	33.5	14.03	16	33.5	F0 J	12B	2677	A -18 1667
37		8.4A	2 34.346	0.0031	21	-16 12 25.99	-0.093	15	0.34	34.295	18	33.5	24.46	16	33.5	F5 J	12A	2437	A -16 1743
38		8.7A	2 36.095	-0.0008	21	-17 42 3.63	-0.037	15	0.34	36.108	18	33.5	3.02	16	33.5	G5 J	12A	2439	A -17 1761
39		9.1A	2 38.847	-0.0008	21	-16 58 21.86	0.003	15	0.34	38.860	18	33.5	21.91	16	33.5	A0 J	12A	2440	A -16 1744
40		9.0A	2 39.232	-0.0003	18	-14 6 5.99	-0.033	13	0.31	39.237	18	33.5	5.44	16	33.5	G0 J	12A	2438	A -13 1807
41		8.4A	2 43.543	-0.0006	21	-15 18 40.94	-0.032	15	0.34	43.553	18	33.5	40.42	16	33.5	K2 J	12A	2441	A -15 1636
42		8.3A	2 43.670	0.0012	18	-13 53 26.59	0.023	20	0.35	43.651	18	33.5	26.97	16	33.5	K5 J	11	2374	A -13 1808
43		8.6A	2 47.963	0.0062	18	-19 44 0.09	0.006	13	0.31	47.861	18	33.5	0.19	16	33.5	F5 J	12B	2680	A -19 1675
44		8.8A	2 49.188	0.0005	18	-19 53 17.57	0.004	13	0.31	49.180	18	33.5	17.64	16	33.5	A3 J	12B	2682	A -19 1676
45		8.8A	2 51.550	-0.0007	21	-15 47 36.77	-0.001	15	0.34	51.561	18	33.5	36.76	16	33.5	A2 J	12A	2442	A -15 1637
46		8.6A	2 54.895	-0.0009	12	-10 1 10.41	-0.000	12	0.26	54.910	16	33.1	10.40	16	33.1	K0	16	2410	A -9 1832
47		8.9A	2 54.964	-0.0012	18	-17 31 59.93	-0.010	13	0.31	54.984	18	33.5	59.77	16	33.5	A0 J	12A	2444	A -17 1766
48		8.6A	2 56.659	-0.0023	21	-13 58 23.15	0.001	15	0.34	56.696	18	33.5	23.16	16	33.5	A2 J	12A	2443	A -13 1809
49		8.0A	2 56.993	-0.0009	15	-12 14 57.29	0.028	17	0.31	57.008	18	33.5	57.75	16	33.5	B9 J	11	2376	A -12 1771
50		9.0A	2 57.664	0.0006	18	-19 14 38.27	-0.011	13	0.31	57.654	18	33.5	38.08	16	33.5	K0 J	12B	2684	A -19 1678
51		8.6A	7 3 1.213	0.0007	21	-16 26 37.28	-0.008	15	0.34	1.202	18	33.5	37.15	16	33.5	B9 J	12A	2445	A -16 1749
52		9.0A	3 5.297	-0.0007	20	-19 46 38.76	-0.006	15	0.34	5.309	18	33.5	38.67	16	33.5	B9 J	12B	2688	A -19 1681
53		9.1A	3 8.531	-0.0006	12	-10 2 26.23	-0.017	12	0.26	8.541	16	33.1	25.93	16	33.1	K5	16	2413	A -9 1833
54		9.0A	3 10.982	-0.0003	21	-16 16 4.93	0.022	15	0.34	10.987	18	33.5	5.30	16	33.5	K5 J	12A	2447	A -16 1751
55		8.6A	3 15.312	-0.0004	15	-10 21 2.47	0.006	17	0.31	15.319	18	33.5	2.56	16	33.5	K2 J	11	2379	A -10 1858
56		9.2A	3 15.624	0.0009	17	-15 28 37.19	-0.015	15	0.31	15.609	18	33.5	36.95	16	33.5	A2 J	12A	2449	A -15 1640
57		8.1Q	3 16.445	0.0013	09	-14 47 40.49	-0.004	07	0.44	16.383	17	00.7	40.25	15	96.1	K0	GC	9365	-14 1715
58		9.1A	3 16.524	-0.0003	15	-11 4 48.70	-0.023	15	0.30	16.529	18	33.5	48.31	16	33.5	B8 J	11	2380	A -10 1859
59		8.3A	3 21.112	-0.0011	21	-16 36 58.94	-0.008	15	0.34	21.130	18	33.5	58.81	16	33.5	K0 J	12A	2450	A -16 1753
60		8.1A	3 22.907	-0.0010	18	-12 44 4.08	0.005	20	0.35	22.924	18	33.5	4.16	16	33.5	B5 J	11	2381	A -12 1777
61		9.2A	3 23.093	-0.0004	21	-17 0 59.21	-0.025	15	0.34	23.100	18	33.5	58.80	16	33.5	K7 J	12A	2451	A -16 1754
62		9.1A	3 25.991	-0.0003	20	-19 19 53.62	0.004	00	0.28	25.996	18	33.5	53.68	16	33.5	A3 J	12B	2690	A -19 1682
63		6.4T	3 27.976	-0.0004	10	-10 34 59.24	-0.032	07	0.56	27.997	21	91.8	57.05	18	82.5	B3	GC	9371K	B*-10 1862
64		9.3A	3 29.733	0.0041	17	-10 29 47.94	-0.018	18	0.33	29.666	18	33.5	47.63	16	33.5	A0 J	11	2383	A -10 1864
65		8.8A	3 30.069	-0.0020	21	-16 31 28.02	-0.020	15	0.34	30.101	18	33.5	27.69	16	33.5	A0 J	12A	2452	A -16 1755
66		8.5A	3 30.575	-0.0017	17	-19 34 56.95	0.007	12	0.29	30.604	18	33.5	57.07	16	33.5	F5 J	12B	2692	A -19 1683
67		7.9A	3 30.836	-0.0003	18	-13 44 44.21	0.017	20	0.35	30.848	18	33.5	44.48	16	33.5	F5 J	11	2386	A -13 1814
68		8.9A	3 31.130	0.0015	17	-18 26 15.53	-0.022	13	0.30	31.105	18	33.5	15.17	16	33.5	K2 J	12B	2691	A -18 1675
69		8.6A	3 31.237	-0.0026	18	-11 1 1.97	0.003	20	0.35	31.279	18	33.5	2.01	16	33.5	A0 J	11	2384	A -10 1865
70		8.9A	3 32.292	-0.0031	17	-18 52 21.64	-0.000	13	0.30	32.344	18	33.5	21.63	16	33.5	F5 J	12B	2693	A -18 1678
71		8.9A	3 33.673	-0.0040	18	-11 2 34.48	0.015	20	0.35	33.739	18	33.5	34.72	16	33.5	G0 J	11	2385	A -10 1867
72		9.6A	3 38.025	0.0035	18	-10 8 1.55	-0.026	20	0.35	37.967	18	33.5	1.11	16	33.5	A7 J	11	2387	
73		8.6A	3 38.539	-0.0001	21	-14 55 33.70	-0.021	15	0.34	38.540	18	33.5	33.35	16	33.5	K0 J	12A	2453	A -14 1711
74		9.2A	3 40.046	-0.0011	21	-16 18 6.97	-0.006	15	0.34	40.065	18	33.5	6.88	16	33.5	A0 J	12A	2454	A -16 1756
75		8.9A	3 44.720	-0.0015	21	-16 25 40.72	-0.011	15	0.34	44.745	18	33.5	40.54	16	33.5	B8 J	12A	2456	A -16 1761
76		9.4A	3 44.786	-0.0025	17	-15 58 46.00	0.027	13	0.30	44.827	18	33.5	46.45	16	33.5	A J	12A	2455	A -15 1643
77		9.4A	3 46.253	-0.0030	17	-15 58 37.18	0.037	12	0.29	46.302	18	33.5	37.79	16	33.5	A J	12A	2457	A -15 1643
78		9.4A	3 49.106	0.0020	15	-11 17 1.52	-0.036	17	0.31	49.073	18	33.5	0.92	16	33.5	A0 J	11	2389	
79		8.4A	3 50.106	-0.0005	12	-10 5 18.91	-0.000	12	0.26	50.114	16	33.1	18.90	16	33.1	B9	16	2420	A -9 1844
80		8.7A	3 50.455	0.0004	18	-11 11 14.54	0.007	20	0.35	50.448	18	33.5	14.64	16	33.5	K0 J	11	2390	A -11 1784
81		8.6A	3 54.092	-0.0003	20	-18 38 0.16	-0.027	15	0.34	54.097	18	33.5	-59.71	16	33.5	F8 J	12B	2698	A -18 1681
82		9.7A	3 57.356	0.0026	18	-11 16 53.77	-0.017	20	0.35	57.313	18	33.5	53.48	16	33.5	A0 J	11	2392	
83		8.8A	3 59.291	0.0002	21	-16 8 1.30	0.015	15	0.34	59.288	18	33.5	1.55	16	33.5	K0 J	12A	2458	A -16 1762
84		9.1A	4 0.178	-0.0015	18	-17 8 11.22	-0.013	13	0.31	0.202	18	33.5	11.01	16	33.5	F0 J	12A	2459	A -16 1763
85		8.8A	4 4.694	0.0010	15	-11 10 30.76	-0.017	17	0.31	4.677	18	33.5	30.47	16	33.5	K0 J	11	2393	A -11 1787
86		7.9A	4 6.006	0.0005	12	-10 8 26.82	-0.000	12	0.26	5.997	16	33.1	26.81	16	33.1	K2	16	2423	A -10 1871
87		8.9A	4 7.959	-0.0012	18	-13 51 1.90	-0.010	20	0.35	7.978	18	33.5	1.74	16	33.5	A0 J	11	2396	A -13 1819
88		8.7A	4 9.764	-0.0025	18	-11 27 34.67	-0.002	20	0.35	9.805	18	33.5	34.63	16	33.5	B9 J	11	2395	A -11 1788
89		8.8A	4 12.406	0.0014	15	-15 7 45.91	-0.004	11	0.27	12.384	18	33.5	45.85	16	33.5	A0 J	12A	2460	A -14 1716
90		8.4A	4 12.688	-0.0005	18	-11 22 19.38	-0.004	20	0.35	12.697	18	33.5	19.30	16	33.5	K0 J	11	2397	A -11 1789
91		8.5A	4 13.502	-0.0005	15	-19 2 46.47	-0.029	11	0.27	13.511	18	33.5	45.99	16	33.5	F5 J	12B	2701	A -18 1683
92		9.4A	4 14.388	-0.0010	21	-17 38 28.82	-0.002	15	0.34	14.404	18	33.5	28.79	16	33.5	K0 J	12A	2461	A -17 1778
93		6.4T	4 16.222	-0.0017	13	-12 18 55.96	0.004	13	0.69	16.307	18	99.5	56.15	18	98.6	B5P	GC	9386	-12 1788
94		5.3T	4 19.773	-0.0012	06	-11 12 36.53	-0.008	04	0.24	19.825	09	05.5	56.14	07	03.9	B3	GC	9389K	B*-11 1790
95		9.3A	4 20.642	-0.0003	12	-10 4 40.38	0.008	12	0.26	20.647	16	33.1	40.51	16	33.1	A0	16	2424	A -9 1848
96		8.9A	4 24.833	-0.0007	17	-13 52 32.18	0.010	18	0.33	24.844	18	33.5	32.34	16	33.5	K0 J	11	2401	A -13 1822
97		8.8A	4 34.173	-0.0006	15	-19 34 33.94	0.008	11	0.27	34.183	18	33.5	34.07	16	33.5	F2 J	12B	2707	A -19 1692
98		8.6A	4 35.317	-0.0008	21	-14 37 11.48	-0.039	15	0.34	35.329	18	33.5	10.83	16	33.5	B9 J	12A	2462	A -14 1717
99		7.9A	4 35.467	-0.0021	18	-11 14 54.73	-0.003	20	0.35	35.502	18	33.5	54.67	16	33.5	B5 J	11	2402K	A -11 1793
00		9.1A	4 39.708	0.0025	21	-16 40 4.47	-0.010	15	0.34	39.667	18	33.5	4.31	16	33.5	A0 J	12A	2463	A -16 1769

152400

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	EPOCH 1950 μ s	EPOCH 1950 σ_μ ″.001	EPOCH 1950 δ_{1950} ° ′ ″	EPOCH 1950 μ' ″	EPOCH 1950 σ'_μ ″.001	EPOCH 1950 σ_{1950} ″	ORIGINAL EPOCH α_2 s	ORIGINAL EPOCH σ ″.01	ORIGINAL EPOCH ep.	ORIGINAL EPOCH δ_2 ″	ORIGINAL EPOCH σ' ″.01	ORIGINAL EPOCH ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	-10° 7H DM NUMBER
1		9.0A	7 4 40.086	0.0032	18	-13 35 51.66	-0.016	20	0.35	40.044	18	33.5	51.36	16	33.5	B J	11	2404	A -13 1825
2		8.3A	4 41.212	0.0004	18	-12 9 23.97	-0.006	20	0.35	41.206	18	33.5	23.87	16	33.5	A2 J	11	2403	A -12 1790
3		8.6A	4 46.265	-0.0006	18	-16 46 30.38	-0.031	13	0.31	46.275	18	33.5	29.87	16	33.5	K0 J	12A	2465	A -16 1774
4		9.1A	4 48.084	-0.0024	18	-17 32 21.05	-0.001	13	0.31	48.103	18	33.5	21.04	16	33.5	A0 J	12A	2466	A -17 1782
5		8.8A	4 48.237	0.0003	21	-15 8 59.88	-0.011	15	0.34	48.253	18	33.5	59.70	16	33.5	A0 J	12A	2464	A -15 1651
6		8.6A	4 48.393	0.0013	17	-18 51 52.18	-0.021	13	0.30	48.371	18	33.5	51.83	16	33.5	K2 J	12B	2710	A -18 1687
7		9.0A	4 49.791	-0.0003	18	-19 39 18.62	0.024	13	0.31	49.796	18	33.5	19.02	16	33.5	K7 J	12B	2712	A -19 1696
8		8.5A	4 50.593	-0.0007	17	-12 16 59.77	0.018	18	0.33	50.603	18	33.5	+ 0.06	16	33.5	K2 J	11	2405	A -12 1792
9		8.8A	4 54.313	0.0042	20	-12 6 51.66	-0.023	20	0.37	54.344	18	33.5	51.27	16	33.5	K2 J	11	2406	A -11 1795
10		9.0A	4 55.616	-0.0013	20	-13 0 21.04	0.060	20	0.37	55.638	18	33.5	22.02	16	33.5	A0 J	11	2408	A -12 1794
11		8.8A	4 55.736	-0.0013	20	-11 53 56.30	0.001	20	0.37	55.757	18	33.5	56.31	16	33.5	M1 J	11	2407	A -11 1797
12		9.1A	4 59.498	0.0001	21	-16 45 11.42	-0.046	15	0.34	59.498	18	33.5	10.66	16	33.5	K2 J	12A	2467	A -16 1777
13		9.4A	4 59.870	0.0037	18	-13 32 8.54	0.022	20	0.35	59.809	18	33.5	8.90	16	33.5	A2 J	11	2409	A -13 1826
14		7.8A	5 5.822	-0.0026	20	-13 58 21.75	-0.021	20	0.37	5.865	18	33.5	21.41	16	33.5	B8 J	11	2410	A -13 1828
15		8.3A	5 6.926	0.0009	18	-13 22 7.41	-0.032	20	0.35	6.914	18	33.5	6.88	16	33.5	B9 J	11	2411	A -13 1827
16		9.1A	5 18.026	0.0013	17	-11 17 13.73	-0.026	17	0.32	18.005	18	33.5	13.29	16	33.5	A0 J	11	2412	A -11 1799
17		8.7A	5 19.447	0.0008	15	-13 38 22.17	-0.013	17	0.31	19.435	18	33.5	21.95	16	33.5	K5 J	11	2414	A -13 1831
18		9.3A	5 20.025	-0.0001	21	-17 3 33.41	-0.005	15	0.34	20.026	18	33.5	33.35	16	33.5	M J	12A	2469	A -16 1781
19		9.6A	5 20.290	0.0021	18	-12 20 19.73	-0.514	20	0.35	20.254	18	33.5	19.49	16	33.5	G5 J	11	2413	A -12 1796
20		8.5A	5 20.843	0.0014	21	-15 11 10.39	-0.004	15	0.34	20.819	18	33.5	10.33	16	33.5	G5 J	12A	2468	A -15 1654
21		9.0A	5 25.567	0.0008	17	-12 12 31.65	-0.002	18	0.33	25.554	18	33.5	31.61	16	33.5	A0 J	11	2415	A -12 1798
22		9.2A	5 25.638	-0.0007	21	-16 37 38.01	-0.023	15	0.34	25.651	18	33.5	37.63	16	33.5	B9 J	12A	2470	A -16 1782
23		9.1A	5 30.375	-0.0002	12	-10 15 56.80	-0.026	12	0.26	30.379	16	33.1	56.35	16	33.1	A0	16	2443	A -10 1880
24		9.8A	5 32.690	0.0011	18	-11 50 2.71	0.019	20	0.35	32.671	18	33.5	3.01	16	33.5	B5 J	11	2417	A -11 1801
25		7.8A	5 36.661	0.0004	21	-15 37 14.29	-0.027	15	0.34	36.654	18	33.5	13.85	16	33.5	G0 J	12A	2471K	A -15 1657
26		7.7A	5 38.737	-0.0001	18	-11 30 58.38	-0.031	20	0.35	38.738	18	33.5	57.87	16	33.5	K5 J	11	2418	A -11 1803
27		7.0A	5 43.195	-0.0024	18	-11 50 35.15	0.023	20	0.35	43.234	18	33.5	35.52	16	33.5	MA J	11	2419	A -11 1805
28		9.2A	5 45.400	-0.0003	21	-16 29 34.30	-0.001	15	0.34	45.406	18	33.5	34.29	16	33.5	A0 J	12A	2472	A -16 1784
29		9.0A	5 47.634	0.0030	21	-15 47 56.31	-0.006	15	0.34	47.585	18	33.5	56.22	16	33.5	A0 J	12A	2473	A -15 1659
30		9.0A	5 49.744	0.0016	17	-10 29 29.38	0.007	18	0.33	49.718	18	33.5	29.48	16	33.5	A0 J	11	2420	A -10 1884
31		9.0A	5 53.563	0.0004	21	-17 28 39.32	-0.016	15	0.34	53.556	18	33.5	39.06	16	33.5	A0 J	12A	2474	A -17 1789
32		8.5G	5 54.345	0.0004	11	-10 32 37.32	-0.016	07	0.49	54.326	19	06.3	36.44	18	96.4	G5	GC	9431K	B*-10 1885
33		8.9A	5 55.070	0.0023	12	-10 13 27.25	-0.002	12	0.26	55.031	16	33.1	27.21	16	33.1	F5	16	2446	A -10 1886
34		8.7A	5 55.322	0.0004	17	-18 41 46.24	0.005	12	0.29	55.316	18	33.5	46.32	16	33.5	A0 J	12B	2720	A -18 1694
35		8.7A	5 55.909	0.0016	20	-10 42 5.34	0.002	20	0.37	55.882	18	33.5	5.36	16	33.5	A3 J	11	2423	A -10 1887
36		8.7A	6 2.623	0.0006	21	-15 35 50.34	0.001	15	0.34	2.613	18	33.5	50.36	16	33.5	M0 J	12A	2476	A -15 1662
37		9.0A	6 2.792	-0.0007	21	-16 27 9.79	-0.001	15	0.34	2.803	18	33.5	9.78	16	33.5	K0 J	12A	2477	A -16 1788
38		8.0A	6 2.886	0.0004	20	-11 46 19.63	-0.020	20	0.37	2.859	18	33.5	19.29	16	33.5	B8 J	11	2424	A -11 1812
39		9.1A	6 3.443	-0.0007	17	-14 49 32.63	0.016	12	0.29	3.454	18	33.5	32.89	16	33.5	F0 J	12A	2475	A -14 1728
40		9.6A	6 4.009	0.0054	21	-13 32 0.63	-0.081	22	0.40	3.920	18	33.5	59.29	16	33.5	F2 J	11	2425	
41		8.7A	6 7.575	0.0006	17	-14 48 18.50	0.017	12	0.29	7.565	18	33.5	18.78	16	33.5	K0 J	12A	2478	A -14 1729
42		8.0A	6 7.668	0.0033	18	-12 27 30.37	0.044	20	0.35	7.613	18	33.5	31.09	16	33.5	F3 J	11	2426	A -12 1806
43		8.6A	6 8.464	0.0001	15	-18 56 36.45	-0.040	11	0.27	8.462	18	33.5	35.79	16	33.5	K5 J	12B	2723	A -18 1696
44		8.0A	6 11.228	-0.0042	18	-13 0 56.85	-0.044	20	0.35	11.298	18	33.5	56.12	16	33.5	G5 J	11	2427	A -12 1808
45		8.4A	6 12.614	0.0017	17	-17 28 32.27	0.001	12	0.29	12.587	18	33.5	32.29	16	33.5	K5 J	12A	2480	A -17 1792
46		7.6A	6 13.082	0.0000	18	-12 48 18.33	0.033	20	0.35	13.092	18	33.5	18.87	16	33.5	B9 J	11	2428	A -12 1809
47		9.1A	6 14.928	-0.0006	17	-14 49 35.39	0.046	12	0.29	14.938	18	33.5	36.14	16	33.5	G5 J	12A	2479	A -14 1731
48		6.9A	6 15.488	-0.0011	20	-18 31 22.24	0.008	15	0.34	15.507	18	33.5	22.37	16	33.5	K5 J	12B	2725	A -18 1698
49		8.9A	6 15.646	0.0011	17	-13 36 39.67	0.006	18	0.33	15.628	18	33.5	39.76	16	33.5	A0 J	11	2429	A -13 1841
50		9.2A	6 15.961	0.0007	21	-16 1 33.01	-0.014	15	0.34	15.950	18	33.5	32.78	16	33.5	A0 J	12A	2481	A -15 1663
51		9.0A	7 6 16.319	0.0016	18	-19 32 58.40	0.009	11	0.30	16.293	18	33.5	58.55	16	33.5	K7 J	12B	2726	A -19 1703
52		9.2A	6 21.250	-0.0006	17	-17 35 18.61	0.021	11	0.29	21.259	18	33.5	18.96	16	33.5	B9 J	12A	2482	A -17 1795
53		8.8A	6 21.432	-0.0015	21	-17 55 28.40	-0.007	15	0.34	21.457	18	33.5	28.28	16	33.5	B9 J	12A	2483	A -17 1796
54		9.2A	6 24.309	-0.0002	21	-17 33 14.88	-0.022	15	0.34	24.313	18	33.5	14.52	16	33.5	B9 J	12A	2484	A -17 1798
55		9.0A	6 26.552	-0.0002	17	-19 15 12.39	0.004	13	0.30	26.555	18	33.5	12.45	16	33.5	A0 J	12B	2730	A -19 1705
56		9.1A	6 28.152	-0.0018	15	-12 32 1.34	-0.000	15	0.30	28.181	18	33.5	1.33	16	33.5	K0 J	11	2431	A -12 1812
57		8.6A	6 31.084	-0.0010	15	-11 6 7.60	0.012	17	0.31	31.101	18	33.5	7.79	16	33.5	A0 J	11	2432	A -10 1889
58		8.6A	6 31.871	-0.0007	21	-15 51 11.42	-0.004	15	0.34	31.882	18	33.5	11.36	16	33.5	B5 J	12A	2485	A -15 1664
59		8.6A	6 32.131	0.0019	20	-18 11 24.47	-0.024	15	0.34	32.100	18	33.5	24.08	16	33.5	B9 J	12B	2731	A -18 1701
60		8.7A	6 33.067	-0.0012	18	-11 25 13.41	0.019	20	0.35	33.087	18	33.5	13.71	16	33.5	B8 J	11	2433	A -11 1816
61		8.7A	6 36.586	-0.0004	18	-12 14 17.26	0.007	20	0.35	36.592	18	33.5	17.37	16	33.5	A0 J	11	2434	A -12 1813
62		8.4A	6 38.702	-0.0002	20	-19 50 32.45	-0.008	15	0.34	38.706	18	33.5	32.32	16	33.5	K2 J	12B	2734	A -19 1708
63		7.8A	6 41.073	0.0002	20	-18 6 11.41	-0.025	15	0.34	41.070	18	33.5	11.01	16	33.5	G5 J	12B	2735	A -17 1801
64		9.0A	6 41.214	0.0006	21	-16 26 20.75	-0.009	15	0.34	41.204	18	33.5	20.61	16	33.5	A0 J	12A	2488	A -16 1793
65		8.6A	6 43.016	-0.0000	18	-14 52 24.30	0.016	13	0.31	43.018	18	33.5	24.56	16	33.5	A0 J	12A	2487	A -14 1732
66		9.0A	6 43.422	-0.0002	12	-10 10 30.53	-0.037	12	0.26	43.426	16	33.1	29.89	16	33.1	A0	16	2455	A -10 1890
67		9.0A	6 46.737	0.0006	17	-19 25 54.18	-0.013	12	0.29	46.727	18	33.5	53.96	16	33.5	A0 J	12B	2736	A -19 1709
68		8.4A	6 50.275	0.0054	21	-14 20 42.80	-0.054	15	0.34	50.185	18	33.5	41.91	16	33.5	G5 J	12A	2490	A -14 1734
69		9.0A	6 55.408	0.0002	21	-16 4 26.76	-0.013	15	0.34	55.405	18	33.5	26.55	16	33.5	A0 J	12A	2491	A -15 1666
70		6.2T	6 58.152	-0.0001	13	-10 15 55.84	-0.023	12	0.69	58.156	21	98.7	54.58	19	96.4	OE5	GC	9459	B*-10 1892
71		8.7A	7 0.051	-0.0009	15	-10 34 32.23	0.009	17	0.31	0.066	18	33.5	32.37	16	33.5	B9 J	11	2437	A -10 1894
72		9.4A	7 4.098	-0.0019	21	-17 33 19.46	0.008	15	0.34	4.130	18	33.5	19.60	16	33.5	F2 J	12A	2493	A -17 1803
73		8.4A	7 6.630	0.0006	21	-14 56 41.49	-0.021	15	0.34	6.620	18	33.5	41.14	16	33.5	K7 J	12A	2492	A -14 1735
74		9.1A	7 10.773	-0.0026	18	-13 5 39.84	-0.042	20	0.35	10.815	18	33.5	39.14	16	33.5	G5 J	11	2438	A -12 1815
75		9.0A	7 15.938	0.0002	21	-16 51 16.50	0.005	15	0.34	15.935	18	33.5	16.58	16	33.5	A0 J	12A	2494	A -16 1801
76		8.9A	7 16.921	-0.0029	18	-10 57 21.34	0.015	20	0.35	16.968	18	33.5	21.58	16	33.5	B8 J	11	2439	A -10 1897
77		8.0T	7 18.099	-0.0020	12	-16 9 9.82	-0.012	11	0.68	18.209	16	94.4	9.14	17	92.8	B3	GC	9467K	-16 1802
78		7.0A	7 19.316	-0.0020	21	-15 9 40.72	-0.008	15	0.34	19.350	18	33.5	40.59	16	33.5	A2 J	12A	2495	A -15 1671
79		8.9A	7 20.203	-0.0009	21	-14 42 7.46	-0.037	15	0.34	20.218	18	33.5	6.84	16	33.5	A2 J	12A	2497	A -14 1738
80		7.5A	7 23.429	-0.0032	15	-19 2 0.70	0.022	11	0.27	23.482	18	33.5	1.06	16	33.5	B8 J	12B	2743	A -18 1705
81		9.0A	7 24.580	0.0040	21	-17 40 47.48	-0.038	15	0.34	24.515	18	33.5	46.86	16	33.5	K0 J	12A	2498	A -17 1808
82		8.8A	7 26.642	-0.0001	18	-13 0 10.15	-0.006	20	0.35	26.644	18	33.5	10.04	16	33.5	A0 J	11	2440	A -12 1816
83		8.6A	7 31.321	-0.0008	18	-14 57 40.97	-0.041	17	0.33	31.335	18	33.5	40.29	16	33.5	K7 J	12A	2499	A -14 1739
84		6.7T	7 37.098	-0.0033	13	-16 9 8.97	-0.001	11	0.68	37.268	21	98.4	8.92	19	95.0	A5	GC	9470	-15 1676
85		9.0A	7 37.305	-0.0006	21	-14 20 39.69	-0.021	15	0.34	37.315	18	33.5	39.34	16	33.5	M2 J	12A	2500	A -14 1741
86		8.4A	7 37.603	0.0006	21	-17 36 49.10	0.000	15	0.34	37.594	18	33.5	49.10	16	33.5	K2 J	12A	2502	A -17 1809
87		7.3T	7 38.757	0.0013	22	-13 32 0.20	0.001	20	0.93	38.702	26	07.6	0.24	26	06.9	K0	GC	9472	-13 1851
88		9.0A	7 41.246	-0.0006	21	-16 5 14.75	-0.006	15	0.34	41.255	18	33.5	14.66	16	33.5	A0 J	12A	2503	A -15 1677
89		8.9A	7 44.987	-0.0017	15	-13 30 21.12	0.021	17	0.31	45.015	18	33.5	21.46	16	33.5	A0 J	11	2442	A -13 1852
90		9.1A	7 45.055	0.0001	15	-17 48 1.05	-0.010	11	0.27	45.053	18	33.5	0.89	16	33.5	B9 J	12A	2504	A -17 1811
91		7.5A	7 47.649	-0.0027	18	-11 43 12.70	0.036	20	0.35	47.694	18	33.5	13.28	16	33.5	B3 J	11	2443	A -11 1822
92		9.1A	7 51.461	0.0048	17	-13 30 56.49	0.006	18	0.33	51.382	18	33.5	56.59	16	33.5	A3 J	11	2444	A -13 1853
93		8.2A	7 52.944	-0.0009	21	-15 36 7.81	-0.004	15	0.34	52.958	18	33.5	7.75	16	33.5	B5 J	12A	2506	A -15 1681
94		8.9A	7 53.109	-0.0015	17	-14 26 6.38	0.021	12	0.29	53.134	18	33.5	6.72	16	33.5	K0 J	12A	2505K	A -14 1743
95		8.1A	7 54.634	0.0031	15	-11 2 26.05	0.010	17	0.31	54.583	18	33.5	26.21	16	33.5	K5 J	11	2445	A -10 1900
96		8.8A	7 56.723	0.0003	17	-18 8 10.90	-0.004	13	0.30	56.719	18	33.5	10.84	16	33.5	F5 J	12B	2752	A -17 1815
97		6.2T	7 57.073	-0.0011	17	-18 36 10.20	0.013	16	0.84	57.125	24	01.7	10.84	22	99.6	F0	GC	9483	-18 1711
98		9.0A	7 59.149	-0.0001	15	-19 40 29.09	0.011	12	0.28	59.151	18	33.5	29.28	16	33.5	A0 J	12B	2755	A -19 1721
99		7.9A	7 59.202	-0.0036	20	-18 28 15.00	-0.013	15	0.34	59.262	18	33.5	14.80	16	33.5	K0 J	12B	2754	A -18 1713
00		7.4A	8 0.858	-0.0043	17	-19 6 58.33	0.055	13	0.30	0.928	18	33.5	59.23	16	33.5	A5 J	12B	2757	A -18 1714

152500

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	σ'_μ ″.001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.		SOURCE CAT.	STAR NUMBER	-10° 7H DM NUMBER
1		9.1A	7 8 1.752	-0.0014	17	-11 9 39.19	-0.016	18	0.33	1.775	18	33.5	38.92	16	33.5	K0	J	11	2446	A -11 1824
2		9.0A	8 3.616	-0.0003	20	-18 5 16.92	0.003	15	0.34	3.621	18	33.5	16.97	16	33.5	G5	J	12B	2758	A -17 1819
3		8.3G	8 4.811	-0.0011	12	-14 40 59.11	0.016	08	0.49	4.859	19	07.4	59.89	19	00.0	A2		GC	9486	-14 1744
4		9.9A	8 5.008	-0.0001	21	-11 32 5.31	0.075	22	0.40	5.010	18	33.5	6.54	16	33.5	A0	J	11	2447	
5		9.1A	8 6.121	0.0008	15	-13 28 53.94	-0.004	17	0.31	6.107	18	33.5	53.87	16	33.5	A0	J	11	2449	A -13 1855
6		8.6A	8 6.708	0.0003	20	-18 19 2.64	-0.018	15	0.34	6.703	18	33.5	2.36	16	33.5	K0	J	12B	2759	A -18 1715
7		7.8A	8 7.865	0.0005	12	-10 4 53.58	-0.020	12	0.26	7.856	16	33.1	53.23	16	33.1	K0		16	2474	A -9 1884
8		8.6A	8 17.264	0.0011	21	-16 3 15.79	-0.036	15	0.34	17.246	18	33.5	15.20	16	33.5	K0	J	12A	2510	A -15 1684
9		8.7A	8 18.443	-0.0004	21	-17 13 55.55	-0.013	15	0.34	18.449	18	33.5	55.34	16	33.5	K0	J	12A	2511	A -17 1821
10		9.2A	8 18.677	0.0034	17	-13 58 8.05	-0.040	18	0.33	18.621	18	33.5	7.38	16	33.5	A0	J	11	2450	A -13 1857
11		8.9A	8 21.113	0.0018	20	-18 46 50.36	-0.003	15	0.34	21.083	18	33.5	50.30	16	33.5	K2	J	12B	2761	A -18 1717
12		8.1A	8 25.367	-0.0020	15	-11 29 27.01	0.012	15	0.30	25.400	18	33.5	27.20	16	33.5	B	J	11	2451	A -11 1826
13		9.0A	8 26.618	-0.0025	17	-11 39 37.82	-0.018	18	0.33	26.659	18	33.5	37.52	16	33.5	A2	J	11	2452	A -11 1827
14		9.1A	8 33.945	-0.0009	18	-19 58 55.98	0.002	11	0.29	33.961	16	33.5	36.02	16	33.5	A0	J	13A	2763	A -19 1729
15		8.9A	8 35.578	-0.0006	15	-12 33 55.30	0.002	15	0.30	35.588	18	33.5	55.33	16	33.5	K5	J	11	2453	A -12 1823
16		8.4A	8 37.222	-0.0015	21	-15 8 4.45	-0.005	15	0.34	37.248	18	33.5	4.37	16	33.5	K0	J	12A	2512	A -14 1752
17		8.5A	8 38.253	-0.0014	18	-13 7 2.87	0.017	20	0.35	38.277	18	33.5	3.14	16	33.5	A0	J	11	2456	A -12 1824
18		8.9A	8 38.736	-0.0024	17	-10 39 2.86	0.009	18	0.33	38.775	18	33.5	3.00	16	33.5	G5	J	11	2454	A -10 1904
19		8.6A	8 38.889	0.0095	21	-17 57 56.66	-0.136	15	0.34	38.733	18	33.5	54.42	16	33.5	G5	J	12A	2513	A -17 1824
20		9.4A	8 40.132	0.0003	21	-10 54 17.60	0.030	22	0.40	40.127	18	33.5	18.08	16	33.5	A2	J	11	2455	
21		8.8A	8 48.384	0.0000	20	-12 26 19.97	0.020	21	0.37	48.383	18	33.5	20.29	16	33.5	B8	J	11	2457	A -12 1825
22		8.9A	8 50.383	-0.0008	21	-16 3 23.66	-0.015	15	0.34	50.397	18	33.5	23.42	16	33.5	M0	J	12A	2514	A -15 1686
23		8.8A	8 51.027	-0.0049	18	-19 43 1.89	0.025	13	0.31	51.108	18	33.5	2.30	16	33.5	F8	J	12B	2767	A -19 1733
24		9.0A	8 52.636	-0.0014	17	-12 26 31.37	-0.006	17	0.32	52.659	18	33.5	31.27	16	33.5	A0	J	11	2460	A -12 1827
25		8.1A	8 53.218	-0.0022	17	-10 27 28.81	-0.027	18	0.33	53.254	18	33.5	28.35	16	33.5	B8	J	11	2458K	A -10 1906
26		8.9A	8 54.512	-0.0000	18	-10 36 43.97	0.001	20	0.35	54.512	18	33.5	43.98	16	33.5	A0	J	11	2459	A -10 1907
27		7.0A	8 57.437	-0.0006	18	-11 57 24.81	-0.114	20	0.35	57.447	18	33.5	22.93	16	33.5	G5	J	11	2462	A -11 1830
28		8.2A	8 58.804	0.0009	18	-10 20 42.02	-0.013	20	0.35	58.789	18	33.5	41.79	16	33.5	B5	J	11	2461	A -10 1908
29		8.9A	9 4.857	0.0009	21	-17 13 29.84	-0.015	15	0.34	4.842	18	33.5	29.60	16	33.5	K0	J	12A	2515K	A -17 1827
30		8.8A	9 5.856	-0.0006	15	-12 46 54.15	-0.023	15	0.30	5.866	18	33.5	53.76	16	33.5	F0	J	11	2463	A -12 1829
31		8.2A	9 9.088	0.0020	15	-12 59 11.33	0.016	17	0.31	9.055	18	33.5	11.59	16	33.5	A0	J	11	2464	A -12 1832
32		6.7T	9 11.296	-0.0012	15	-17 14 49.17	0.009	12	0.69	11.354	24	01.7	49.63	18	00.4	B9		GC	9515	-17 1828
33		8.6A	9 11.322	-0.0009	21	-14 9 22.52	0.005	15	0.34	11.337	18	33.5	22.60	16	33.5	G0	J	12A	2516	A -14 1759
34		9.1A	9 12.241	-0.0009	21	-16 2 47.53	-0.037	15	0.34	12.256	18	33.5	46.93	16	33.5	F0	J	12A	2517	A -15 1689
35		9.0A	9 17.078	-0.0021	18	-19 50 13.39	-0.021	13	0.31	17.112	18	33.5	13.05	16	33.5	K0	J	12B	2773	A -19 1737
36		8.4A	9 19.036	-0.0004	18	-14 55 54.07	0.002	13	0.31	19.043	18	33.5	54.11	16	33.5	G5	J	12A	2519	A -14 1760
37		9.2A	9 19.465	-0.0003	17	-18 3 15.60	-0.057	13	0.30	19.470	18	33.5	14.66	16	33.5	A2	J	12B	2774	A -17 1829
38		9.1A	9 20.838	-0.0026	15	-18 1 19.30	0.000	11	0.27	20.881	18	33.5	19.30	16	33.5	A0	J	12B	2775	A -17 1830
39		9.4A	9 23.139	0.0004	18	-10 25 49.21	-0.023	20	0.35	23.132	18	33.5	48.82	16	33.5	A3	J	11	2466	A -10 1910
40		8.8A	9 29.613	-0.0023	15	-18 59 41.71	0.012	11	0.27	29.651	18	33.5	41.90	16	33.5	A5	J	12B	2779	A -18 1724
41		9.2A	9 30.871	-0.0018	17	-14 16 47.67	-0.008	12	0.29	30.900	18	33.5	47.53	16	33.5	A0	J	12A	2522	A -14 1761
42		9.0A	9 35.456	-0.0029	21	-15 17 28.40	-0.015	15	0.34	35.503	18	33.5	28.16	16	33.5	K0	J	12A	2523	A -15 1690
43		9.0A	9 46.295	-0.0019	21	-17 35 36.75	-0.021	15	0.34	46.327	18	33.5	36.42	16	33.5	K5	J	12A	2525	A -17 1839
44		8.5A	9 49.418	-0.0015	17	-14 42 57.60	-0.018	15	0.31	49.442	18	33.5	57.30	16	33.5	B3	J	12A	2524	A -14 1763
45		8.9A	9 52.634	-0.0029	13	-11 58 7.71	-0.005	15	0.29	52.682	18	33.5	7.62	16	33.5	B9	J	11	2468	A -11 1837
46		8.0A	9 57.333	0.0007	17	-18 23 51.75	0.016	13	0.30	57.321	18	33.5	52.02	16	33.5	K5	J	12B	2783	A -18 1726
47		9.1A	9 57.459	0.0002	18	-10 25 46.58	-0.053	20	0.35	57.455	18	33.5	45.50	16	33.5	G0	J	11	2469	A -10 1915
48		9.2A	9 57.530	-0.0012	17	-10 51 58.18	0.039	18	0.33	57.549	18	33.5	58.81	16	33.5	B9	J	11	2470	A -10 1914
49		8.8A	9 58.915	-0.0005	21	-15 36 28.64	-0.008	15	0.34	58.923	18	33.5	28.51	16	33.5	B9	J	12A	2526	A -15 1694
50		8.9A	9 59.761	0.0022	15	-19 32 8.74	0.000	12	0.28	59.724	18	33.5	8.74	16	33.5	A5	J	12B	2785	A -19 1745
51		8.7A	7 10 0.485	-0.0009	20	-19 11 5.08	-0.002	15	0.34	0.501	18	33.5	5.04	16	33.5	B9	J	12B	2787	A -19 1746
52		9.3A	10 1.609	0.0000	18	-18 7 31.54	-0.011	13	0.31	1.609	18	33.5	31.36	16	33.5	K2	J	12B	2786	A -17 1842
53		8.8A	10 3.964	-0.0011	12	-10 4 12.49	-0.005	12	0.26	3.981	16	33.1	12.40	16	33.1	B9		16	2499	A -9 1903
54		8.3A	10 5.543	0.0003	15	-10 54 13.55	0.034	17	0.31	5.537	18	33.5	14.10	16	33.5	B	J	11	2472	A -10 1916
55		8.5A	10 8.773	-0.0001	13	-12 0 8.30	-0.023	15	0.29	8.774	18	33.5	7.91	16	33.5	A2	J	11	2473	A -11 1841
56		8.3A	10 15.160	-0.0015	21	-14 24 23.83	-0.009	15	0.34	15.185	18	33.5	23.68	16	33.5	F8	J	12A	2528	A -14 1768
57		8.2A	10 25.828	-0.0010	15	-11 59 32.49	-0.014	15	0.30	25.843	18	33.5	32.25	16	33.5	B9	J	11	2474	A -11 1845
58		8.3A	10 29.292	-0.0006	17	-15 24 58.89	-0.026	12	0.29	29.303	18	33.5	58.47	16	33.5	B2	J	12A	2529	A -15 1695
59		8.0A	10 29.452	-0.0009	15	-11 30 53.21	-0.013	15	0.30	29.466	18	33.5	52.99	16	33.5	K0	J	11	2475	A -11 1847
60		9.2A	10 30.786	-0.0012	21	-16 7 30.33	-0.013	15	0.34	30.807	18	33.5	30.12	16	33.5	B9	J	12A	2530	A -15 1698
61		8.2A	10 36.055	-0.0014	15	-12 17 36.30	0.010	17	0.31	36.078	18	33.5	36.46	16	33.5	B8	J	11	2476	A -12 1842
62		9.0A	10 36.754	0.0003	21	-16 3 53.01	-0.047	15	0.34	36.748	18	33.5	52.24	16	33.5	K2	J	12A	2531	A -15 1699
63		8.8A	10 38.561	0.0007	17	-12 31 12.43	-0.005	18	0.33	38.549	18	33.5	12.34	16	33.5	B8	J	11	2477	A -12 1843
64		8.9A	10 39.435	0.0002	15	-12 51 6.57	-0.008	15	0.30	39.432	18	33.5	6.43	16	33.5	G5	J	11	2478	A -12 1844
65		9.4A	10 39.847	0.0006	17	-14 31 11.13	-0.022	12	0.29	39.837	18	33.5	10.76	16	33.5	A3	J	12A	2532	A -14 1772
66		8.9A	10 40.093	-0.0013	15	-12 47 37.19	0.029	17	0.31	40.115	18	33.5	37.66	16	33.5	G0	J	11	2479	A -12 1845
67		9.2A	10 41.208	-0.0009	17	-14 32 6.29	-0.023	15	0.31	41.223	18	33.5	5.90	16	33.5	F2	J	12A	2533	A -14 1773
68		8.1A	10 44.175	-0.0016	21	-14 47 53.68	-0.021	15	0.34	44.201	18	33.5	53.33	16	33.5	F0	J	12A	2534	A -14 1774
69		9.2A	10 44.794	0.0012	17	-11 32 8.55	0.002	18	0.33	44.773	18	33.5	8.57	16	33.5	K2	J	11	2480	A -11 1848
70		6.0T	10 46.017	-0.0012	10	-11 9 55.71	0.007	07	0.50	46.076	18	99.2	56.07	15	94.9	K0		GC	9558	-11 1849
71		8.9A	10 46.923	-0.0005	15	-13 2 23.68	-0.015	17	0.31	46.931	18	33.5	23.43	16	33.5	K5	J	11	2482	A -12 1847
72		8.8A	10 50.385	0.0002	21	-16 33 52.47	-0.012	15	0.34	50.382	18	33.5	52.27	16	33.5	B9	J	12A	2535	A -16 1832
73		8.2A	10 54.634	0.0006	21	-15 0 36.94	-0.001	15	0.34	54.625	18	33.5	36.93	16	33.5	A0	J	12A	2536K	A -14 1775
74		8.9A	10 55.017	0.0003	17	-18 58 12.33	0.001	13	0.30	55.012	18	33.5	12.34	16	33.5	A2	J	12B	2799	A -18 1731
75		8.9A	10 57.464	-0.0001	15	-13 25 39.40	0.033	15	0.30	57.466	18	33.5	39.94	16	33.5	A2	J	11	2483	A -13 1883
76		8.3A	11 0.946	-0.0001	21	-14 29 37.43	-0.016	15	0.34	0.948	18	33.5	37.17	16	33.5	M4	J	12A	2537	A -14 1776
77		8.8A	11 5.370	-0.0002	21	-15 5 51.83	-0.023	15	0.34	5.373	18	33.5	51.46	16	33.5	F8	J	12A	2538	A -14 1777
78		8.7A	11 9.754	0.0002	17	-10 25 15.44	-0.022	18	0.33	9.750	18	33.5	15.07	16	33.5	F5	J	11	2484	A -10 1925
79		8.8A	11 9.763	-0.0003	17	-15 24 36.50	-0.022	15	0.31	9.767	18	33.5	36.14	16	33.5	B9	J	12A	2539	A -15 1704
80		9.2A	11 12.212	-0.0033	21	-15 42 57.36	0.001	15	0.34	12.266	18	33.5	57.38	16	33.5	G0	J	12A	2540	A -15 1706
81		8.6A	11 17.883	-0.0012	21	-17 40 44.39	0.002	15	0.34	17.903	18	33.5	44.43	16	33.5	A0	J	12A	2542	A -17 1855
82		8.8A	11 18.503	-0.0017	21	-15 24 48.14	-0.006	15	0.34	18.531	18	33.5	48.04	16	33.5	A0	J	12A	2541	A -15 1707
83		9.2A	11 21.132	-0.0019	18	-18 37 49.75	-0.012	13	0.31	21.164	18	33.5	49.55	16	33.5	K2	J	12B	2803	A -18 1732
84		8.9A	11 27.150	0.0005	20	-18 33 32.26	-0.009	15	0.34	27.142	18	33.5	32.11	16	33.5	K0	J	12B	2807	A -18 1733
85		8.1A	11 29.706	-0.0016	21	-16 14 58.88	-0.023	15	0.34	29.732	18	33.5	58.51	16	33.5	G5	J	12A	2543	A -16 1837
86		9.0A	11 31.159	-0.0022	21	-17 26 39.96	0.016	15	0.34	31.196	18	33.5	40.23	16	33.5	A3	J	12A	2544	A -17 1856
87		9.0A	11 36.294	-0.0008	15	-13 18 22.80	-0.005	15	0.30	36.307	18	33.5	22.71	16	33.5	K2	J	11	2486	A -13 1888
88		9.2A	11 36.989	0.0003	13	-19 55 42.21	0.025	09	0.26	36.984	18	33.5	42.63	16	33.5	G5	J	12B	2810	A -19 1763
89		8.4A	11 40.799	-0.0001	21	-15 31 23.92	0.005	15	0.34	40.801	18	33.5	24.01	16	33.5	A2	J	12A	2545	A -15 1709
90		8.9A	11 47.042	-0.0007	17	-18 12 1.35	-0.003	13	0.30	47.053	18	33.5	1.30	16	33.5	A3	J	12B	2811	A -18 1735
91		8.1A	11 52.115	-0.0022	15	-12 43 22.34	0.004	17	0.31	52.152	18	33.5	22.40	16	33.5	B8	J	11	2487	A -12 1860
92		9.1A	11 55.512	-0.0022	20	-18 38 15.83	0.001	15	0.34	55.549	18	33.5	15.84	16	33.5	A0	J	12B	2816	A -18 1738
93		9.2A	11 56.546	-0.0002	21	-16 36 15.67	0.001	15	0.34	56.549	18	33.5	15.69	16	33.5	A0	J	12A	2547	A -16 1839
94		8.7A	11 56.592	-0.0009	18	-18 53 37.00	0.003	11	0.27	56.608	18	33.5	37.04	16	33.5	F0	J	12B	2817	A -18 1739
95		9.0A	11 57.330	-0.0003	21	-17 52 33.66	-0.049	15	0.34	57.336	18	33.5	32.87	16	33.5	A2	J	12A	2548K	A -17 1864
96		8.9A	11 58.290	0.0008	15	-12 26 20.05	0.006	17	0.31	58.276	18	33.5	20.14	16	33.5	A2	J	11	2488	A -12 1861
97		9.2A	12 3.374	0.0008	21	-15 59 55.84	-0.023	15	0.34	3.361	18	33.5	55.47	16	33.5	M	J	12A	2549	A -15 1713
98		6.0T	12 6.013	-0.0007	09	-10 13 44.23	-0.014	08	0.52	6.021	17	93.1	43.32	15	87.2	B1		GC	9605	B*-10 1933
99		8.7A	12 7.197	-0.0004	18	-15 25 55.95	-0.023	13	0.31	7.205	18	33.5	55.57	16	33.5	K0	J	12A	2551	A -15 1714
00		8.8A	12 7.958	-0.0000	15	-12 8 22.68	-0.020	15	0.30	7.958	18	33.5	22.34	16	33.5	B9	J	11	2490	A -11 1853

152600

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ_α s	σ_{μ_α} .001"	δ_{1950} ° ′ ″	μ'_δ ″	$\sigma_{\mu'_\delta}$ .001"	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ .01"	ep.	δ_2 ″	σ' .01"	ep.	SP.	SOURCE CAT.	STAR NUMBER	-10° 7H DM NUMBER
1		8.5A	7 12 8.286	0.0001	20	-18 20 52.32	0.010	15	0.34	8.285	18	33.5	52.49	16	33.5	B8 J	12B	2821	A -18 1743
2		8.5A	12 9.210	-0.0002	21	-14 28 21.89	-0.018	15	0.34	9.213	18	33.5	21.60	16	33.5	F5 J	12A	2552	A -14 1784
3		8.9A	12 11.190	0.0004	12	-10 12 18.32	-0.001	12	0.26	11.183	16	33.1	18.29	16	33.1	B	16	2527	A -10 1934
4		9.0A	12 11.598	-0.0036	15	-10 12 0.17	-0.014	17	0.31	11.657	18	33.5	59.93	16	33.5	B8 J	11	2492	A -10 1935
5		9.2A	12 11.931	-0.0021	18	-14 5 8.77	-0.038	13	0.31	15.966	19	33.5	8.14	16	33.5	F5 J	12A	2553	A -13 1895
6		8.8A	12 16.970	0.0016	21	-15 23 38.94	-0.010	15	0.34	16.943	18	33.5	38.78	16	33.5	B9 J	12A	2554	A -15 1718
7		8.9A	12 17.757	-0.0005	17	-10 7 32.84	0.007	18	0.33	17.764	18	33.5	32.94	16	33.5	B9 J	11	2493	A -9 1929
8		7.3T	12 21.485	-0.0011	17	-19 54 13.05	-0.004	14	0.77	21.534	26	04.5	12.86	24	01.5	B3	GC	9611	-19 1767
9		7.9A	12 31.974	0.0012	17	-15 23 15.24	-0.043	12	0.29	31.954	18	33.5	14.53	16	33.5	F8 J	12A	2555K	A -15 1720
10		9.0A	12 35.473	-0.0019	15	-19 53 17.74	-0.026	11	0.27	35.504	18	33.5	17.28	16	33.5	F8 J	12B	2831	A -19 1772
11		9.0A	12 36.022	-0.0009	12	-10 4 56.86	-0.015	11	0.25	36.037	16	33.1	56.59	16	33.1	K0	16	2536	A -9 1935
12		9.4A	12 38.608	-0.0011	21	-17 1 35.47	-0.008	15	0.34	38.625	18	33.5	35.34	16	33.5	A2 J	12A	2556	A -16 1845
13		8.4A	12 39.461	-0.0014	15	-11 46 56.81	0.013	15	0.30	39.484	18	33.5	57.02	16	33.5	B8 J	11	2496	A -11 1858
14		9.2A	12 46.676	-0.0000	17	-18 51 22.06	-0.017	13	0.30	46.677	18	33.5	21.78	16	33.5	A2 J	12B	2833	A -18 1744
15		9.3A	12 47.142	0.0003	15	-10 5 27.59	-0.035	15	0.30	47.136	18	33.5	27.00	16	33.5	G5 J	11	2497	A -9 1939
16		7.9A	12 51.546	-0.0005	17	-14 31 16.24	-0.015	12	0.29	51.554	18	33.5	15.99	16	33.5	K0 J	12A	2557	A -14 1790
17		8.6A	13 4.771	-0.0025	15	-10 48 5.13	-0.023	17	0.31	4.812	18	33.5	4.74	16	33.5	K0 J	11	2498	A -10 1943
18		8.5A	13 6.429	-0.0005	15	-13 42 41.54	0.003	17	0.31	6.438	18	33.5	41.58	16	33.5	M1 J	11	2499	A -13 1901
19		8.6A	13 12.962	-0.0016	15	-13 28 33.92	0.028	15	0.30	12.988	18	33.5	34.37	16	33.5	B8 J	11	2500	A -13 1902
20		8.8A	13 18.669	0.0002	21	-15 24 38.57	0.006	15	0.34	18.665	18	33.5	38.67	16	33.5	M0 J	12A	2558	A -15 1729
21		6.1T	13 21.111	0.0003	10	-10 29 41.20	-0.010	08	0.55	21.093	18	94.6	40.58	15	91.0	K0	GC	9638	-10 1945
22		9.0A	13 26.604	-0.0014	17	-18 47 53.08	0.006	13	0.30	26.627	18	33.5	53.17	16	33.5	A2 J	12B	2842	A -18 1749
23		9.2A	13 29.531	0.0008	18	-18 42 4.84	0.017	13	0.31	29.386	18	33.5	5.11	16	33.5	K0 J	12B	2843	A -18 1750
24		8.5A	13 32.514	-0.0003	15	-13 11 55.76	0.006	17	0.31	32.519	18	33.5	55.85	16	33.5	B9 J	11	2503	A -13 1904
25		9.1A	13 33.178	0.0012	21	-16 42 56.31	-0.012	15	0.34	33.159	18	33.5	56.11	16	33.5	K0 J	12A	2560	A -16 1856
26		7.7T	13 33.473	-0.0345	18	-12 57 45.96	0.175	13	0.80	35.105	21	02.7	54.82	19	99.3	G5	GC	9640	B+-12 1871
27		7.9A	13 33.910	-0.0028	15	-11 10 9.98	0.002	15	0.30	33.956	18	33.5	10.00	16	33.5	K0 J	11	2502	A -11 1863
28		8.6A	13 34.026	0.0030	17	-14 24 32.12	-0.018	12	0.29	33.977	18	33.5	31.82	16	33.5	A2 J	12A	2559	A -14 1795
29		8.3A	13 37.636	0.0001	15	-12 27 14.32	-0.000	15	0.30	37.634	18	33.5	14.31	16	33.5	B9 J	11	2505	A -12 1872
30		6.8T	13 40.903	-0.0032	43	-16 8 47.06	0.007	33	1.55	41.027	29	11.2	47.35	27	09.1	B3	GC	9643	-15 1732
31		9.0A	13 41.167	-0.0020	18	-18 44 40.12	0.033	13	0.31	41.200	18	33.5	40.66	16	33.5	K5 J	12B	2844	A -18 1753
32		8.6A	13 44.591	0.0008	17	-13 51 11.91	-0.008	18	0.33	44.577	18	33.5	11.77	16	33.5	A0 J	11	2507	A -13 1905
33		9.0A	13 45.339	-0.0015	21	-17 48 45.19	-0.022	15	0.34	45.363	18	33.5	44.83	16	33.5	B9 J	12A	2564	A -17 1878
34		8.9A	13 46.731	0.0001	15	-11 39 57.03	-0.008	17	0.31	46.729	18	33.5	56.89	16	33.5	A0 J	11	2506	A -11 1864
35		8.4A	13 48.186	0.0008	21	-14 1 32.35	-0.008	15	0.34	48.174	18	33.5	32.21	16	33.5	K0 J	12A	2562	A -13 1906
36		6.8T	13 48.533	-0.0020	13	-14 25 13.66	-0.002	11	0.65	48.626	24	03.6	13.55	22	99.0	A2	GC	9652	-14 1797
37		9.0A	13 49.967	-0.0009	15	-10 47 11.33	0.022	15	0.30	49.971	18	33.5	11.68	16	33.5	K0 J	11	2508	A -10 1951
38		9.0A	13 52.914	0.0016	15	-13 38 17.40	-0.006	17	0.31	52.888	18	33.5	17.30	16	33.5	B9 J	11	2510	A -13 1908
39		8.8A	13 52.954	0.0012	21	-16 39 37.49	0.008	15	0.34	52.933	18	33.5	37.62	16	33.5	B9 J	12A	2565	A -16 1857
40		8.7A	13 57.597	-0.0008	17	-14 46 3.73	0.026	11	0.29	57.609	18	33.5	4.15	16	33.5	A0 J	12A	2566	A -14 1798
41		5.4T	13 58.507	-0.0049	09	-15 29 44.64	-0.009	08	0.37	58.699	12	10.6	44.26	12	07.4	A2	GC	9657	-15 1734
42		8.0A	13 58.972	0.0016	21	-17 12 25.45	-0.028	15	0.34	58.946	18	33.5	24.99	16	33.5	B8 J	12A	2568	A -17 1884
43		9.2A	13 59.884	-0.0004	21	-17 17 22.24	0.001	15	0.34	59.890	18	33.5	22.26	16	33.5	F2 J	12A	2569	A -17 1883
44		8.6A	14 1.665	-0.0031	15	-11 0 35.77	-0.040	17	0.31	1.716	18	33.5	35.10	16	33.5	F5 J	11	2512	A -10 1954
45		8.9A	14 1.679	-0.0005	15	-12 0 2.70	0.037	17	0.31	1.687	18	33.5	3.30	16	33.5	A0 J	11	2513	A -11 1866
46		8.2A	14 4.461	0.0006	21	-16 37 37.36	-0.046	15	0.34	4.451	18	33.5	36.60	16	33.5	A0 J	12A	2570	A -16 1860
47		8.5A	14 13.864	-0.0018	17	-14 47 5.17	0.004	11	0.29	13.893	18	33.5	5.23	16	33.5	A2 J	12A	2571	A -14 1803
48		8.8A	14 16.302	-0.0030	17	-19 7 40.19	0.012	13	0.30	16.351	18	33.5	40.38	16	33.5	F0 J	12B	2854	A -18 1758
49		8.3A	14 16.714	0.0005	18	-11 23 50.69	-0.001	20	0.35	16.705	18	33.5	50.66	16	33.5	K0 J	11	2514	A -11 1867
50		8.7A	14 22.263	0.0006	21	-14 59 43.01	0.006	15	0.34	22.253	18	33.5	43.10	16	33.5	G0 J	12A	2572	A -14 1805
51		8.3A	7 14 23.760	-0.0014	17	-13 21 51.77	-0.023	18	0.33	23.784	18	33.5	51.38	16	33.5	B8 J	11	2515	A -13 1913
52		9.0A	14 24.631	-0.0011	21	-16 41 51.06	-0.033	15	0.34	24.648	18	33.5	50.52	16	33.5	A5 J	12A	2573	A -16 1863
53		9.2A	14 26.264	-0.0002	18	-19 36 47.03	-0.024	13	0.31	26.267	18	33.5	46.64	16	33.5	A2 J	12B	2856	A -19 1788
54		7.6A	14 28.687	-0.0012	15	-13 35 27.74	-0.024	17	0.31	28.707	18	33.5	27.34	16	33.5	A0 J	11	2516	A -13 1914
55		9.5A	14 37.865	-0.0004	17	-18 43 42.80	-0.006	13	0.30	37.872	18	33.5	42.70	16	33.5	A3 J	12B	2858	A -18 1762
56		8.2A	14 39.221	0.0008	21	-14 1 21.05	-0.008	15	0.34	39.209	18	33.5	20.92	16	33.5	K0 J	12A	2575	A -13 1916
57		8.9A	14 40.006	-0.0011	20	-11 38 0.91	0.002	20	0.37	40.024	18	33.5	0.94	16	33.5	K0 J	11	2517	A -11 1872
58		9.0A	14 42.402	0.0002	17	-12 31 1.91	0.007	18	0.33	42.400	18	33.5	2.01	16	33.5	B9 J	11	2519	A -12 1882
59		8.7A	14 45.194	0.0009	12	-10 10 4.96	-0.101	12	0.26	45.178	16	33.1	3.24	16	33.1	K0	16	2561	A -10 1963
60		6.7T	14 46.551	0.0017	09	-11 56 34.26	-0.078	07	0.52	46.455	21	94.2	29.31	17	86.8	F5	GC	9683K	B+-11 1874
61		8.4A	14 47.429	-0.0006	17	-12 45 20.30	0.004	18	0.33	47.439	18	33.5	20.36	16	33.5	K J	11	2522	A -12 1883
62		9.1A	14 47.575	0.0014	18	-12 47 10.77	0.040	20	0.35	47.552	18	33.5	11.42	16	33.5	A0 J	11	2523	A -12 1884
63		7.4A	14 48.734	-0.0009	21	-14 45 25.54	0.032	15	0.34	48.749	18	33.5	26.06	16	33.5	F5 J	12A	2576	A -14 1810
64		9.2A	14 49.040	-0.0001	21	-16 22 33.69	-0.014	15	0.34	49.042	18	33.5	33.46	16	33.5	K2 J	12A	2577	A -16 1870
65		8.0A	14 49.339	0.0020	17	-13 53 57.50	-0.005	18	0.33	49.306	18	33.5	57.42	16	33.5	B8 J	11	2524	A -13 1919
66		8.6A	14 50.114	-0.0009	18	-19 47 19.60	0.014	13	0.31	50.129	18	33.5	19.83	16	33.5	K0 J	12B	2860	A -19 1793
67		9.1A	15 0.858	-0.0022	21	-16 47 50.73	-0.022	15	0.34	0.895	18	33.5	50.37	16	33.5	K0 J	12A	2578	A -16 1873
68		8.6A	15 4.848	-0.0008	21	-17 15 28.84	-0.013	15	0.34	4.861	18	33.5	28.63	16	33.5	A2 J	12A	2579	A -17 1894
69		8.4A	15 7.269	-0.0005	15	-13 49 30.01	-0.008	17	0.31	7.298	18	33.5	29.88	16	33.5	M3 J	11	2525	A -13 1920
70		8.8A	15 7.677	-0.0014	15	-18 10 22.02	-0.007	11	0.27	7.700	18	33.5	21.90	16	33.5	K2 J	12B	2862	A -18 1766
71		8.2A	15 7.891	-0.0008	21	-17 41 6.32	-0.011	15	0.34	7.905	18	33.5	6.14	16	33.5	M0 J	12A	2580	A -17 1895
72		8.2A	15 20.612	0.0004	18	-18 42 12.56	-0.040	15	0.32	20.606	18	33.5	11.90	16	33.5	K2 J	12B	2868	A -18 1768
73		8.6A	15 24.025	-0.0025	21	-14 13 8.37	-0.017	15	0.34	24.066	18	33.5	8.09	16	33.5	F5 J	12A	2583	A -14 1814
74		8.7A	15 27.874	0.0003	17	-14 54 39.05	0.050	15	0.31	27.869	18	33.5	39.87	16	33.5	G5 J	12A	2584	A -14 1816
75		8.6A	15 28.067	-0.0018	15	-11 52 0.01	0.021	17	0.31	28.096	18	33.5	0.35	16	33.5	F0 J	11	2527	A -11 1879
76		8.2A	15 29.524	-0.0008	21	-14 45 47.21	-0.007	15	0.34	29.538	18	33.5	47.09	16	33.5	K5 J	12A	2586	A -14 1817
77		8.6A	15 29.803	-0.0010	21	-14 10 21.03	0.021	15	0.34	29.820	18	33.5	21.37	16	33.5	K5 J	12A	2585	A -14 1815
78		8.9A	15 32.504	0.0011	18	-14 14 37.40	-0.003	20	0.35	32.486	18	33.5	37.35	16	33.5	B8 J	11	2529	A -14 1818
79		9.0A	15 34.749	0.0001	18	-18 43 31.00	-0.022	13	0.31	34.747	18	33.5	30.63	16	33.5	B	12B	2873	A -18 1769
80		8.9A	15 39.008	0.0003	17	-13 36 51.04	0.005	18	0.33	39.004	18	33.5	51.12	16	33.5	A3 J	11	2530	A -13 1923
81		7.6A	15 39.608	-0.0056	18	-13 47 49.17	0.061	20	0.35	39.700	18	33.5	50.17	16	33.5	F2 J	11	2531	A -13 1924
82		8.8A	15 45.019	0.0013	15	-13 36 32.00	0.026	17	0.31	44.998	18	33.5	32.42	16	33.5	A J	11	2533	A -13 1925
83		8.4G	15 45.418	0.0003	13	-13 36 8.62	-0.002	10	0.56	45.406	19	06.5	8.51	18	00.8	A	GC	9716	-13 1926
84		8.3A	15 46.280	-0.0025	15	-10 34 2.76	-0.000	17	0.31	46.301	18	33.5	2.75	16	33.5	B9 J	11	2532	A -10 1971
85		8.9A	15 46.768	-0.0014	21	-15 19 25.86	0.028	15	0.34	46.792	18	33.5	26.32	16	33.5	B9 J	12A	2587	A -15 1746
86		9.1A	15 49.362	-0.0005	12	-10 8 3.08	-0.018	11	0.25	49.370	16	33.1	2.76	16	33.1	K0	16	2566	A -9 1965
87		9.0A	15 49.374	0.0002	15	-12 41 45.57	-0.013	17	0.31	49.370	18	33.5	45.35	16	33.5	K5 J	11	2537	A -12 1889
88		8.3A	15 49.972	-0.0018	15	-11 18 12.98	0.021	17	0.31	50.002	18	33.5	13.32	16	33.5	F0 J	11	2536	A -11 1881
89		9.0A	15 51.632	0.0004	15	-12 6 50.12	0.002	15	0.30	51.627	18	33.5	50.14	16	33.5	A0 J	11	2539	A -11 1882
90		8.8A	15 52.110	-0.0022	15	-10 53 1.56	-0.007	17	0.31	52.146	18	33.5	1.43	16	33.5	K0 J	11	2538	A -10 1974
91		9.0A	15 53.465	-0.0020	21	-15 32 11.23	0.003	15	0.34	53.498	18	33.5	11.28	16	33.5	B2 J	12A	2588	A -15 1748
92		9.2A	16 0.209	-0.0008	17	-18 40 38.03	-0.002	13	0.30	0.215	18	33.5	37.99	16	33.5	A0 J	12B	2876	A -18 1773
93		9.0A	16 1.338	-0.0001	21	-17 18 59.97	-0.026	15	0.34	1.339	18	33.5	59.54	16	33.5	K0 J	12A	2590	A -17 1907
94		9.2A	16 1.671	-0.0041	21	-16 43 53.23	0.040	15	0.34	1.739	18	33.5	55.89	16	33.5	F2 J	12A	2589	A -16 1881
95		8.6A	16 10.464	-0.0002	15	-11 6 2.70	-0.007	17	0.31	10.467	18	33.5	2.58	16	33.5	F2 J	11	2540	A -10 1976
96		9.1A	16 13.730	0.0001	21	-16 44 14.27	0.003	15	0.34	13.728	18	33.5	14.32	16	33.5	F2 J	12A	2591	A -16 1884
97		9.2A	16 13.895	-0.0004	21	-17 5 52.35	-0.008	15	0.34	13.901	18	33.5	52.22	16	33.5	B3 J	12A	2592	A -16 1885
98		7.4A	16 22.182	-0.0015	21	-16 33 11.46	-0.006	15	0.34	22.207	18	33.5	11.36	16	33.5	K2 J	12A	2593	A -16 1886
99		8.6A	16 26.197	-0.0009	18	-14 9 8.64	0.002	13	0.31	26.212	18	33.5	8.67	16	33.5	A0 J	12A	2594	A -13 1935
00		8.8A	16 28.086	0.0005	18	-19 19 50.54	-0.005	13	0.31	28.078	18	33.5	50.45	16	33.5	A2 J	12B	2884	A -19 1806

152700

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	EPOCH 1950 μ s	EPOCH 1950 σ_μ ″.001	EPOCH 1950 δ_{1950} ° ′ ″	EPOCH 1950 μ' ″	EPOCH 1950 $\sigma_{\mu'}$ ″.001	EPOCH 1950 σ_{1950} ″	ORIGINAL EPOCH α_2 s	ORIGINAL EPOCH σ ″.01	ORIGINAL EPOCH ep.	ORIGINAL EPOCH δ_2 ″	ORIGINAL EPOCH σ' ″.01	ORIGINAL EPOCH ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	-10° 7H DM NUMBER
1		9.0A	7 16 29.238	-0.0014	21	-16 11 7.07	-0.010	15	0.34	29.261	18	33.5	6.91	16	33.5	K0 J	12A	2596	A -16 1887
2		8.7A	16 29.251	-0.0015	18	-15 22 32.01	-0.002	13	0.31	29.276	18	33.5	31.98	16	33.5	A0 J	12A	2595	A -15 1753
3		9.1A	16 29.389	-0.0018	17	-16 53 15.75	-0.000	13	0.30	29.419	18	33.5	15.74	16	33.5	B9 J	12B	2865	A -16 1777
4		8.8A	16 42.293	0.0011	15	-13 22 3.12	0.003	17	0.31	42.275	18	33.5	3.16	16	33.5	K5 J	11	2542	A -13 1939
5		8.6A	16 45.449	0.0008	21	-17 57 13.73	-0.026	15	0.34	45.437	18	33.5	13.31	16	33.5	F0 J	12A	2597	A -17 1913
6		8.6A	16 46.603	-0.0008	20	-19 22 42.99	-0.012	15	0.34	46.616	18	33.5	42.79	16	33.5	B8 J	12B	2889	A -19 1812
7		9.0A	16 46.735	0.0001	15	-13 10 4.22	0.026	17	0.31	46.734	18	33.5	4.64	16	33.5	K0 J	11	2543	A -12 1894
8		9.0A	16 48.897	-0.0008	21	-15 50 26.50	-0.024	15	0.34	48.910	18	33.5	26.11	16	33.5	B9 J	12A	2599	A -15 1758
9		6.8T	16 49.380	0.0020	18	-17 7 13.03	-0.087	15	0.75	49.297	24	08.4	9.13	22	05.0	K0	GC	9741	-16 1892
10		6.2T	16 50.211	0.0002	15	-19 11 15.22	-0.001	14	0.72	50.201	26	05.1	15.17	24	02.4	F0	GC	9742	-19 1813
11		8.6A	16 50.401	-0.0007	21	-14 17 44.10	0.013	15	0.34	50.412	18	33.5	44.32	16	33.5	K0 J	12A	2598	A -14 1824
12		8.4A	16 50.958	-0.0004	21	-14 29 24.57	0.006	15	0.34	50.965	18	33.5	24.67	16	33.5	K0 J	12A	2600	A -14 1825
13		8.7A	16 52.317	0.0011	15	-13 31 50.03	-0.017	17	0.31	52.299	18	33.5	49.74	16	33.5	K0 J	11	2546	A -13 1941
14		8.6A	16 54.602	-0.0016	17	-11 22 6.58	-0.003	18	0.33	54.629	18	33.5	6.52	16	33.5	M3 J	11	2545	A -11 1885
15		8.9A	16 55.524	-0.0013	15	-10 48 56.84	-0.000	17	0.31	55.545	18	33.5	56.83	16	33.5	M2 J	11	2547	A -10 1983
16		8.8A	16 55.740	0.0008	21	-17 59 48.27	0.021	15	0.34	55.726	18	33.5	48.62	16	33.5	B9 J	12A	2602	A -17 1914
17		9.0A	16 57.519	-0.0004	17	-10 44 0.70	-0.014	18	0.33	57.526	18	33.5	0.46	16	33.5	K J	11	2548	A -10 1984
18		8.5A	17 0.960	0.0013	21	-17 44 39.34	-0.056	15	0.34	0.939	18	33.5	38.42	16	33.5	F8 J	12A	2603	A -17 1916
19		9.2A	17 1.258	0.0013	17	-18 13 58.21	-0.030	13	0.30	1.237	18	33.5	57.73	16	33.5	A0 J	12B	2892	A -18 1780
20		8.7A	17 1.283	-0.0017	17	-10 25 25.39	-0.038	18	0.33	1.311	18	33.5	24.75	16	33.5	A0 J	11	2549	A -10 1985
21		8.8A	17 1.973	-0.0000	17	-11 6 12.92	-0.032	18	0.33	1.973	18	33.5	12.38	16	33.5	A0 J	11	2550	A -10 1986
22		8.9A	17 3.418	-0.0017	15	-12 24 47.78	0.025	17	0.31	3.445	18	33.5	48.19	16	33.5	B9 J	11	2551	A -12 1898
23		6.6T	17 4.460	-0.0019	17	-17 25 54.09	0.010	16	0.81	4.548	26	03.6	54.58	22	01.7	B8	GC	9751	-17 1917
24		5.4I	17 12.307	0.0105	08	-16 17 59.94	-0.134	07	0.30	11.901	07	11.4	54.69	07	10.8	F0	GC	9758V	B*-16 1898
25		8.2A	17 17.607	-0.0007	21	-15 47 33.88	-0.027	15	0.34	17.619	18	33.5	33.44	16	33.5	A0 J	12A	2608	A -15 1766
26		8.9A	17 21.668	-0.0027	15	-12 7 31.83	0.018	17	0.31	21.712	18	33.5	32.12	16	33.5	B9 J	11	2552	A -11 1889
27		9.1A	17 26.038	-0.0027	21	-15 46 39.69	-0.011	15	0.34	26.082	18	33.5	39.51	16	33.5	M1 J	12A	2609	A -15 1767
28		8.3A	17 29.025	-0.0002	18	-15 10 0.61	-0.000	13	0.31	29.028	18	33.5	0.61	16	33.5	B8 J	12A	2610	A -14 1834
29		8.7A	17 29.872	-0.0021	17	-18 35 4.32	-0.010	13	0.30	29.906	18	33.5	4.15	16	33.5	B8 J	12B	2898	A -18 1786
30		9.0A	17 30.656	-0.0005	21	-15 25 5.15	0.008	15	0.34	30.665	18	33.5	5.29	16	33.5	G0 J	12A	2611	A -15 1768
31		8.5A	17 34.151	-0.0005	17	-13 40 42.10	0.011	18	0.33	34.160	18	33.5	42.28	16	33.5	K0 J	11	2555	A -13 1948
32		9.1A	17 34.457	-0.0043	15	-11 48 54.87	-0.017	17	0.31	34.527	18	33.5	54.58	16	33.5	K0 J	11	2554	A -11 1891
33		9.0A	17 34.704	-0.0017	12	-10 12 45.18	-0.036	12	0.26	34.733	16	33.1	44.56	16	33.1	K0	16	2582	A -10 1991
34		9.1A	17 50.284	-0.0007	17	-18 32 17.95	0.003	13	0.30	50.296	18	33.5	17.99	16	33.5	K0 J	12B	2901	A -18 1790
35		8.6A	17 51.566	-0.0007	15	-13 54 13.62	-0.025	17	0.31	51.578	18	33.5	13.20	16	33.5	K5 J	11	2557	A -13 1951
36		8.7A	17 53.213	-0.0016	15	-12 11 59.03	-0.032	17	0.31	53.239	18	33.5	58.50	16	33.5	K2 J	11	2556	A -12 1904
37		9.0A	17 57.133	0.0001	21	-16 45 7.35	-0.029	15	0.34	57.131	18	33.5	6.87	16	33.5	K0 J	12A	2612	A -16 1904
38		8.9A	18 0.268	-0.0029	18	-16 56 24.60	-0.020	13	0.31	0.315	18	33.5	24.27	16	33.5	K5 J	12A	2613	A -16 1905
39		8.3A	18 5.075	0.0014	18	-13 26 34.94	0.006	20	0.35	5.052	18	33.5	35.03	16	33.5	K2 J	11	2558	A -13 1953
40		8.4A	18 5.176	-0.0012	21	-17 46 17.57	0.050	15	0.34	5.196	18	33.5	18.40	16	33.5	F5 J	12A	2615	A -17 1923
41		8.3A	18 7.636	-0.0004	21	-14 46 28.74	-0.013	15	0.34	7.642	18	33.5	28.52	16	33.5	K5 J	12A	2614	A -14 1840
42		8.9A	18 8.338	-0.0036	18	-11 8 55.29	-0.031	20	0.35	8.397	18	33.5	54.77	16	33.5	A2 J	11	2559	A -10 1996
43		9.0A	18 13.920	0.0019	15	-10 52 0.61	-0.090	15	0.30	13.888	18	33.5	59.12	16	33.5	G5 J	11	2560	A -10 1998
44		8.1A	18 19.888	-0.0003	21	-14 46 37.03	0.009	15	0.34	19.892	18	33.5	37.17	16	33.5	K2 J	12A	2616	A -14 1843
45		8.9A	18 26.006	-0.0018	17	-18 13 22.67	-0.041	13	0.30	26.037	18	33.5	22.00	16	33.5	K5 J	12B	2907	A -18 1793
46		8.8A	18 26.327	-0.0031	21	-16 2 37.55	-0.009	15	0.34	26.378	18	33.5	37.40	16	33.5	F8 J	12A	2617	A -15 1774
47		8.2A	18 31.073	-0.0007	17	-19 7 59.23	0.010	13	0.30	31.085	18	33.5	59.39	16	33.5	KF J	12B	2909	A -18 1794
48		9.3A	18 34.019	0.0001	17	-18 30 14.83	-0.020	13	0.30	34.017	18	33.5	14.50	16	33.5	A0 J	12B	2910	A -18 1795
49		5.7T	18 40.588	-0.0017	09	-14 15 55.21	0.013	09	0.38	40.652	14	12.5	55.71	14	11.0	K0	GC	9795	B*-14 1846
50		8.6A	18 44.764	0.0012	21	-14 33 1.19	-0.016	15	0.34	44.745	18	33.5	0.92	16	33.5	K2 J	12A	2620	A -14 1849
51		8.4A	7 18 48.262	-0.0027	21	-16 42 43.19	-0.021	15	0.34	48.306	18	33.5	42.85	16	33.5	A2 J	12A	2621	A -16 1911
52		8.2A	18 48.749	-0.0022	15	-12 11 29.79	0.002	15	0.30	48.784	18	33.5	29.82	16	33.5	B8 J	11	2562	A -12 1909
53		8.7A	18 54.700	-0.0010	15	-12 50 15.33	-0.017	17	0.31	54.716	18	33.5	15.04	16	33.5	A0 J	11	2563	A -12 1911
54		8.7A	18 55.326	-0.0019	21	-14 15 53.06	-0.001	15	0.34	55.357	18	33.5	53.05	16	33.5	A2 J	12A	2622	A -14 1853
55		8.8A	18 57.088	-0.0014	18	-13 58 9.96	-0.021	20	0.35	57.111	18	33.5	9.62	16	33.5	A2 J	11	2565	A -13 1963
56		8.8A	18 58.739	-0.0017	17	-16 14 39.39	-0.010	12	0.29	58.767	18	33.5	39.23	16	33.5	A2 J	12A	2623	A -16 1914
57		8.7A	19 6.697	0.0003	18	-18 31 28.01	-0.013	13	0.31	6.692	18	33.5	27.79	16	33.5	K0 J	12B	2916	A -18 1798
58		8.8A	19 12.664	-0.0015	18	-12 54 31.14	0.032	20	0.35	12.689	18	33.5	31.66	16	33.5	K0 J	11	2566	A -12 1915
59		8.8A	19 14.359	-0.0010	17	-19 38 37.65	0.000	13	0.30	14.376	18	33.5	37.65	16	33.5	A0 J	12B	2918	A -19 1840
60		9.0A	19 17.547	-0.0014	18	-13 22 13.12	0.023	20	0.35	17.570	18	33.5	13.49	16	33.5	K2 J	11	2568	A -13 1967
61		8.9A	19 18.964	-0.0022	15	-11 44 16.60	0.006	17	0.31	18.999	18	33.5	16.69	16	33.5	A0 J	11	2567	A -11 1907
62		9.1A	19 22.577	-0.0030	17	-18 3 49.74	-0.010	12	0.29	22.627	18	33.5	49.58	16	33.5	B9 J	12B	2919	A -17 1929
63		8.6A	19 23.477	0.0041	21	-15 22 16.33	-0.086	15	0.34	23.410	18	33.5	14.92	16	33.5	K0 J	12A	2625	A -15 1778
64		8.8A	19 25.900	-0.0013	17	-18 55 25.02	-0.035	13	0.30	25.879	18	33.5	24.44	16	33.5	K2 J	12B	2920	A -18 1802
65		9.0A	19 26.975	-0.0018	17	-15 24 45.07	-0.002	12	0.29	27.004	18	33.5	45.04	16	33.5	A0 J	12A	2627	A -15 1780
66		8.9A	19 34.967	-0.0002	17	-16 13 37.67	-0.010	12	0.29	34.970	18	33.5	37.51	16	33.5	K5 J	12A	2628	A -16 1921
67		8.6A	19 40.801	-0.0024	21	-14 59 21.34	0.018	15	0.34	40.840	18	33.5	21.63	16	33.5	A5 J	12A	2629	A -14 1861
68		8.8A	19 43.055	-0.0013	21	-14 42 41.83	-0.013	15	0.34	43.075	18	33.5	41.61	16	33.5	A0 J	12A	2630	A -14 1862
69		8.2A	19 44.520	-0.0005	21	-14 37 18.12	-0.011	15	0.34	44.528	18	33.5	17.93	16	33.5	K2 J	12A	2631	A -14 1864
70		8.9A	19 44.627	0.0007	18	-18 22 42.13	-0.009	13	0.31	44.615	18	33.5	41.99	16	33.5	K0 J	12B	2923	A -18 1805
71		9.3A	19 46.913	-0.0013	21	-17 57 6.30	-0.007	15	0.34	46.934	18	33.5	6.18	16	33.5	B9 J	12A	2632	A -17 1933
72		8.6A	19 52.445	0.0010	17	-17 43 48.64	0.036	11	0.29	52.429	18	33.5	49.23	16	33.5	A3 J	12A	2633	A -17 1935
73		8.6A	19 56.492	-0.0000	20	-19 58 26.91	-0.029	15	0.34	56.493	18	33.5	26.44	16	33.5	B3 J	12B	2924	A -19 1845
74		8.9A	20 0.857	-0.0009	12	-10 7 15.61	-0.039	12	0.26	0.871	16	33.1	14.94	16	33.1	K0	16	2613	A -9 2005
75		8.7A	20 1.205	-0.0015	15	-11 53 58.30	-0.004	17	0.31	1.229	18	33.5	58.23	16	33.5	A0 J	11	2570	A -11 1911
76		4.9T	20 1.365	0.0001	09	-18 55 11.85	-0.007	08	0.36	1.360	12	10.9	11.55	12	08.6	B8	GC	9836	-18 1806
77		8.7A	20 2.974	-0.0018	15	-10 43 33.77	-0.000	15	0.30	3.004	18	33.5	33.76	16	33.5	B	11	2571	A -10 2015
78		7.2A	20 4.164	0.0003	17	-16 12 54.50	-0.003	12	0.29	4.158	18	33.5	54.46	16	33.5	K2 J	12A	2634	A -16 1923
79		8.3A	20 6.999	0.0001	21	-17 42 55.20	-0.022	15	0.34	6.998	18	33.5	54.84	16	33.5	F2 J	12A	2636	A -17 1937
80		8.8A	20 8.672	-0.0012	21	-15 28 21.31	-0.013	15	0.34	8.692	18	33.5	21.10	16	33.5	B9 J	12A	2635	A -15 1786
81		8.6A	20 10.358	-0.0011	13	-19 6 40.49	0.001	09	0.26	10.377	18	33.5	40.50	16	33.5	A5 J	12B	2926	A -18 1807
82		9.0A	20 11.105	-0.0021	18	-19 52 13.94	-0.010	13	0.31	11.140	18	33.5	13.78	16	33.5	A0 J	12B	2927	A -19 1846
83		9.0A	20 12.782	-0.0005	12	-10 8 29.27	-0.026	12	0.26	12.790	16	33.1	28.82	16	33.1	MA	16	2616	A -9 2007
84		9.0A	20 15.431	-0.0000	21	-15 20 18.76	-0.027	15	0.34	15.431	18	33.5	18.32	16	33.5	M0 J	12A	2637	A -15 1788
85		8.9A	20 21.262	-0.0008	17	-18 56 1.31	-0.018	13	0.30	21.275	18	33.5	1.01	16	33.5	B8 J	12B	2929	A -18 1809
86		8.7A	20 27.143	-0.0004	21	-17 31 48.69	-0.018	15	0.34	27.150	18	33.5	48.41	16	33.5	B5 J	12A	2638	A -17 1941
87		9.2A	20 31.276	0.0016	21	-16 39 6.92	0.013	15	0.34	31.250	18	33.5	7.14	16	33.5	A2 J	12A	2639	A -16 1926
88		9.3A	20 32.465	-0.0003	17	-16 16 33.96	-0.015	12	0.29	32.471	18	33.5	33.72	16	33.5	A0 J	12A	2640	A -16 1927
89		8.8A	20 33.564	-0.0025	18	-10 26 46.24	0.014	20	0.35	33.605	18	33.5	46.46	16	33.5	A0 J	11	2573	A -10 2019
90		8.0A	20 33.916	-0.0009	21	-16 37 45.56	0.010	15	0.34	33.931	18	33.5	45.73	16	33.5	K0 J	12A	2641	A -16 1928
91		8.8A	20 39.808	0.0000	21	-17 43 44.27	-0.003	15	0.34	39.808	18	33.5	44.22	16	33.5	A5 J	12A	2642	A -17 1942
92		8.8A	20 39.974	-0.0009	18	-12 26 0.08	0.017	20	0.35	39.989	18	33.5	0.35	16	33.5	K0 J	11	2574	A -12 1927
93		8.8A	20 42.875	-0.0016	18	-13 52 10.32	0.003	20	0.35	42.902	18	33.5	10.37	16	33.5	F8 J	11	2575	A -13 1976
94		8.7A	20 49.746	-0.0013	18	-10 59 43.57	-0.056	20	0.35	49.767	18	33.5	42.64	16	33.5	K2 J	11	2576	A -10 2021
95		8.9A	20 56.008	-0.0013	11	-10 10 7.16	-0.027	13	0.26	56.028	16	33.5	6.71	16	33.5	A0	16	2626	A -9 2021
96		8.9A	20 56.342	-0.0014	18	-13 35 20.21	0.005	20	0.35	56.364	18	33.5	20.29	16	33.5	K0 J	11	2578	A -13 1977
97		8.8A	20 56.701	0.0002	17	-14 46 53.58	0.017	15	0.31	56.697	18	33.5	53.85	16	33.5	F8 J	12A	2643	A -14 1872
98		8.8A	20 57.474	-0.0000	18	-14 45 46.21	0.001	13	0.31	57.474	18	33.5	46.22	16	33.5	F J	12A	2644	A -14 1873
99		9.0A	20 57.645	-0.0026	15	-12 29 1.34	-0.030	17	0.31	57.687	18	33.5	0.84	16	33.5	K2 J	11	2579	A -12 1930
00		8.0A	20 58.811	-0.0003	21	-17 40 24.77	-0.060	15	0.34	58.817	18	33.5	23.79	16	33.5	K0 J	12A	2645	A -17 1947

152800

EPOCH 1950 — ORIGINAL EPOCH — SOURCE — -10° 7H

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	σ'_μ ″.001	σ_{1950} ″	α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	CAT.	STAR NUMBER	DM NUMBER
1		9.2A	7 21 0.821	-0.0002	21	-17 35 13.14	-0.021	15	0.34	0.825	18	33.5	12.80	16	33.5	K2 J	12A	2646	A -17 1948
2		8.3A	21 5.180	-0.0001	17	-13 15 8.69	-0.013	18	0.33	5.181	18	33.5	8.47	16	33.5	A0 J	11	2581	A -13 1979
3		8.9A	21 5.689	0.0005	18	-12 34 8.35	0.035	20	0.35	5.681	18	33.5	8.92	16	33.5	B8 J	11	2582	A*-12 1933
4		8.7A	21 5.862	-0.0029	17	-10 26 35.55	0.014	18	0.33	5.910	18	33.5	35.77	16	33.5	A0 J	11	2580K	A -10 2023
5		9.0A	21 7.912	0.0013	21	-16 28 17.25	-0.004	15	0.34	7.890	18	33.5	17.19	16	33.5	A0 J	12A	2647	A -16 1933
6		8.9A	21 10.273	-0.0017	15	-13 12 2.97	0.050	17	0.31	10.301	18	33.5	3.79	16	33.5	F0 J	11	2583	A -13 1980
7		8.8A	21 11.098	-0.0029	17	-18 15 14.42	0.048	13	0.30	11.146	18	33.5	15.21	16	33.5	F5 J	12B	2938	A -18 1815
8		9.2A	21 14.843	-0.0013	21	-15 37 5.73	-0.010	15	0.34	14.864	18	33.5	5.57	16	33.5	A0 J	12A	2650	A -15 1798
9		8.5A	21 15.295	-0.0003	21	-14 39 57.04	-0.010	15	0.34	15.299	18	33.5	56.88	16	33.5	K5 J	12A	2648	A -14 1874
10		8.2A	21 19.670	-0.0007	17	-14 0 7.89	0.006	18	0.33	19.682	18	33.5	7.99	16	33.5	B8 J	11	2584	A -13 1981
11		8.4A	21 20.475	0.0003	21	-15 6 55.37	0.013	15	0.34	20.470	18	33.5	55.59	16	33.5	A0 J	12A	2651	A -14 1876
12		8.8A	21 21.995	-0.0002	17	-18 49 39.40	-0.014	13	0.30	21.999	18	33.5	39.16	16	33.5	A0 J	12B	2943	A -18 1817
13		8.7A	21 24.809	-0.0010	18	-10 51 2.62	-0.005	20	0.35	24.825	18	33.5	2.53	16	33.5	K0 J	11	2585	A -10 2026
14		8.8A	21 29.407	-0.0004	18	-19 27 36.37	0.001	13	0.31	29.414	18	33.5	36.38	16	33.5	B9 J	12B	2944	A -19 1857
15		9.2A	21 30.232	0.0006	21	-16 30 12.47	-0.001	15	0.34	30.222	18	33.5	12.46	16	33.5	A0 J	12A	2652	A -16 1938
16		8.8A	21 32.017	0.0006	15	-12 53 8.39	-0.001	17	0.31	32.008	18	33.5	8.37	16	33.5	K0 J	11	2586	A -12 1938
17		8.9A	21 33.320	-0.0001	21	-17 37 41.02	-0.028	15	0.34	33.321	18	33.5	40.56	16	33.5	K2 J	12A	2654	A -17 1954
18		7.9A	21 33.846	-0.0001	21	-15 46 9.69	-0.013	15	0.34	33.848	18	33.5	9.91	16	33.5	K5 J	12A	2653	A -15 1799
19		6.9T	21 39.666	-0.0053	41	-17 18 56.29	-0.104	32	1.44	40.067	29	12.0	52.12	27	09.8	F8	GC	9879	-17 1955
20		8.7A	21 42.610	-0.0032	15	-12 39 52.85	0.001	17	0.31	42.663	18	33.5	52.86	16	33.5	F0 J	11	2587	A -12 1942
21		9.0A	21 45.286	-0.0027	21	-16 4 54.06	0.007	15	0.34	45.331	18	33.5	54.18	16	33.5	K5 J	12A	2656	A -15 1802
22		8.2A	21 49.339	0.0003	17	-14 42 50.82	0.002	11	0.29	49.333	18	33.5	50.85	16	33.5	K2 J	12A	2657	A -14 1880
23		8.6A	21 50.291	-0.0002	21	-14 38 23.27	0.014	15	0.34	50.293	18	33.5	23.49	16	33.5	M3 J	12A	2658	A -14 1881
24		8.8A	21 53.303	0.0003	18	-11 21 40.98	0.014	20	0.35	53.297	18	33.5	41.20	16	33.5	K2 J	11	2588	A -11 1921
25		8.7A	21 55.269	0.0028	18	-11 18 40.34	-0.015	20	0.35	55.223	18	33.5	40.08	16	33.5	A2 J	11	2589	A -11 1922
26		8.8A	22 0.505	-0.0015	18	-11 12 2.46	-0.029	20	0.35	0.529	18	33.5	1.97	16	33.5	K0 J	11	2590	A -11 1923
27		8.0A	22 4.467	-0.0002	17	-18 15 1.12	0.019	13	0.30	4.470	18	33.5	1.44	16	33.5	A5 J	12B	2953	A -18 1822
28		8.4A	22 4.957	-0.0016	21	-14 6 22.67	-0.008	15	0.34	4.983	18	33.5	22.54	16	33.5	K0 J	12A	2659	A -13 1990
29		8.9A	22 8.149	0.0006	18	-15 57 52.91	-0.030	13	0.31	8.139	18	33.5	52.42	16	33.5	K2 J	12A	2661	A -15 1805
30		7.6A	22 8.575	-0.0018	20	-12 6 8.96	-0.009	20	0.37	8.605	18	33.5	8.81	16	33.5	K2 J	11	2592	A -11 1924
31		8.5A	22 17.923	-0.0010	18	-13 53 6.35	0.001	20	0.35	17.939	18	33.5	6.36	16	33.5	K0 J	11	2594	A -13 1992
32		9.1A	22 18.137	-0.0007	15	-11 17 47.11	-0.035	17	0.31	18.149	18	33.5	46.52	16	33.5	K0 J	11	2593	A -11 1925
33		9.0A	22 21.526	-0.0012	17	-17 58 51.75	-0.023	12	0.29	21.546	18	33.5	51.37	16	33.5	A3 J	12A	2662	A -17 1960
34		5.2T	22 24.467	-0.0014	06	-16 6 6.39	-0.013	05	0.27	24.544	12	08.9	5.76	12	01.0	B3P	GC	9893	B*-15 1810
35		9.0A	22 31.778	-0.0014	17	-18 55 22.18	0.016	13	0.30	31.802	18	33.5	22.44	16	33.5	K0 J	12B	2957	A -18 1823
36		8.4A	22 32.240	-0.0006	21	-14 1 23.37	-0.028	15	0.34	32.250	18	33.5	22.90	16	33.5	K0 J	12A	2664	A -13 1996
37		6.3T	22 38.520	-0.0019	12	-18 54 46.22	0.002	12	0.66	38.616	22	99.0	46.32	21	96.4	A3	GC	9899	-18 1825
38		8.4A	22 38.935	-0.0027	17	-12 14 10.30	-0.003	18	0.33	38.979	18	33.5	10.24	16	33.5	A0 J	11	2596	A -12 1954
39		6.6T	22 49.579	-0.0028	14	-14 47 0.20	-0.014	14	0.69	49.705	29	05.6	0.82	26	04.3	A0	GC	9904	-14 1867
40		5.8M	22 50.476	-0.0145	03	-13 39 8.12	-0.010	03	0.09	50.836	04	25.2	7.86	04	24.5	F0	F4	1192	-13 2001
41		9.2A	22 51.202	-0.0002	00	-19 22 9.86	-0.009	13	0.23	51.205	18	33.5	9.71	16	33.5	K0 J	12B	2962	A -19 1872
42		8.8A	22 53.457	0.0018	21	-15 51 5.02	-0.035	15	0.34	53.427	18	33.5	4.45	16	33.5	F2 J	12A	2667	A -15 1815
43		9.0A	22 53.586	-0.0011	17	-18 44 51.03	-0.005	13	0.30	53.607	18	33.5	50.94	16	33.5	B8 J	12B	2963	A -18 1826
44		9.0A	22 55.979	-0.0031	18	-19 49 28.23	-0.014	13	0.31	56.031	18	33.5	28.00	16	33.5	B9 J	12B	2966	A -19 1873
45		8.9A	22 59.015	0.0002	15	-13 59 44.21	-0.001	17	0.31	59.012	18	33.5	44.20	16	33.5	A0 J	11	2599	A -13 2003
46		8.8A	23 1.887	0.0003	18	-11 12 39.52	-0.010	20	0.35	1.882	18	33.5	39.35	16	33.5	K5 J	11	2598	A -11 1930
47		9.0A	23 2.169	-0.0001	21	-17 7 52.74	-0.013	15	0.34	2.171	18	33.5	52.53	16	33.5	K5 J	12A	2668	A -16 1950
48		9.0A	23 3.709	-0.0015	21	-16 21 33.30	-0.014	15	0.34	3.733	18	33.5	33.07	16	33.5	A3 J	12A	2669	A -16 1949
49		8.1A	23 7.476	-0.0013	21	-15 8 15.38	-0.005	15	0.34	7.497	18	33.5	15.30	16	33.5	K0 J	12A	2670	A -14 1888
50		8.5A	23 13.765	0.0005	21	-14 21 53.91	0.020	15	0.34	13.757	18	33.5	54.23	16	33.5	K0 J	12A	2671	A -14 1889
51		9.1A	7 23 16.607	-0.0008	17	-10 39 23.62	-0.025	18	0.33	16.620	18	33.5	23.20	16	33.5	B5 J	11	2600	A -10 2035
52		8.6A	23 20.724	-0.0019	18	-17 37 13.86	-0.035	13	0.31	20.755	18	33.5	13.30	16	33.5	K2 J	12A	2672	A -17 1967
53		7.6A	23 21.933	-0.0012	17	-19 20 14.72	0.025	13	0.30	21.953	18	33.5	15.13	16	33.5	K0 J	12B	2970	A -19 1878
54		8.5A	23 23.055	0.0001	18	-12 28 28.30	-0.005	20	0.35	23.053	18	33.5	28.21	16	33.5	K5 J	11	2601	A -12 1959
55		8.5A	23 34.328	-0.0037	18	-10 37 2.93	0.004	20	0.35	34.388	18	33.5	2.99	16	33.5	B9 J	11	2602	A -10 2037
56		8.6A	23 36.356	0.0005	18	-17 6 12.93	-0.049	13	0.31	36.347	18	33.5	12.13	16	33.5	K0 J	12A	2674	A -16 1955
57		8.4A	23 36.808	-0.0006	17	-11 54 13.66	-0.003	18	0.33	36.819	18	33.5	13.60	16	33.5	B9 J	11	2603	A -11 1934
58		8.9A	23 37.270	-0.0003	18	-13 42 3.20	0.009	20	0.35	37.276	18	33.5	3.35	16	33.5	A2 J	11	2605	A -13 2007
59		9.0A	23 38.026	0.0004	15	-12 11 52.26	0.036	17	0.31	38.018	18	33.5	52.84	16	33.5	A2 J	11	2604K	A -12 1962
60		6.8T	23 38.184	0.0023	18	-14 4 40.24	0.012	14	0.79	38.083	29	05.8	40.80	27	02.7	B9	GC	9931	-13 2008
61		8.8A	23 43.603	-0.0015	18	-12 13 56.99	-0.018	20	0.35	43.627	18	33.5	56.69	16	33.5	F8 J	11	2607	A -12 1963
62		8.6A	23 45.131	-0.0008	18	-14 1 48.10	-0.016	13	0.31	45.144	18	33.5	47.83	16	33.5	K2 J	12A	2675	A -13 2009
63		8.4A	23 46.582	-0.0013	18	-18 2 14.62	0.020	13	0.31	46.603	18	33.5	14.95	16	33.5	A2 J	12A	2677	A -17 1970
64		8.8A	23 47.285	-0.0015	20	-10 26 53.80	0.008	20	0.37	47.309	18	33.5	53.92	16	33.5	A0 J	11	2608	A -10 2038
65		7.6A	23 47.434	-0.0067	18	-15 33 48.71	-0.090	13	0.31	47.544	18	33.5	47.23	16	33.5	G5 J	12A	2676	A -15 1820
66		8.4A	23 50.063	-0.0001	18	-11 58 20.83	-0.025	20	0.35	50.065	18	33.5	20.41	16	33.5	A3 J	11	2610	A -11 1937
67		9.2A	23 53.302	0.0010	21	-14 59 10.95	-0.004	15	0.34	53.285	18	33.5	10.88	16	33.5	B	12A	2678	A -14 1894
68		8.2A	23 53.937	-0.0016	17	-18 1 14.73	0.005	12	0.29	53.964	18	33.5	14.82	16	33.5	B8 J	12A	2680	A -17 1971
69		8.8A	23 56.194	-0.0018	17	-13 1 34.76	0.058	18	0.33	56.225	18	33.5	35.71	16	33.5	K0 J	11	2611	A -12 1965
70		9.1A	24 2.256	-0.0001	21	-17 14 41.53	-0.031	15	0.34	2.257	18	33.5	41.02	16	33.5	K5 J	12A	2682	A -17 1972
71		9.1A	24 4.763	0.0009	18	-14 52 25.64	0.032	13	0.31	4.748	18	33.5	26.16	16	33.5	F	12A	2681	A -14 1896
72		9.0A	24 5.272	0.0007	21	-14 30 25.85	-0.000	15	0.34	5.261	18	33.5	25.84	16	33.5	A0 J	12A	2683	A -14 1897
73		8.6A	24 7.039	-0.0009	18	-10 50 32.63	0.011	20	0.35	7.053	18	33.5	32.80	16	33.5	A0 J	11	2612	A -10 2040
74		8.8A	24 9.287	0.0008	21	-17 44 2.83	-0.050	15	0.34	9.275	18	33.5	2.01	16	33.5	F5 J	12A	2685	A -17 1973
75		8.9A	24 12.257	-0.0003	21	-14 3 9.29	-0.012	15	0.34	12.263	18	33.5	9.09	16	33.5	A0 J	12A	2684	A -13 2012
76		9.0A	24 15.680	-0.0027	21	-16 22 46.27	-0.017	15	0.34	15.705	18	33.5	45.99	16	33.5	F2 J	12A	2686	A -16 1958
77		9.0A	24 16.276	-0.0001	20	-18 39 23.00	-0.015	15	0.34	16.276	18	33.5	22.75	16	33.5	B8 J	12B	2981	A -18 1837
78		6.8T	24 16.524	-0.0034	33	-13 5 15.73	0.002	36	1.36	16.654	29	11.4	15.79	30	11.8	B9	GC	9944	-12 1969
79		9.0A	24 18.959	-0.0002	18	-11 29 8.32	-0.005	20	0.35	18.962	18	33.5	8.23	16	33.5	K0 J	11	2615	A -11 1938
80		8.6A	24 20.033	-0.0005	17	-19 53 52.31	0.034	11	0.29	20.042	18	33.5	52.87	16	33.5	K0 J	12B	2982	A -19 1885
81		8.9A	24 22.967	-0.0005	21	-15 49 25.62	-0.019	15	0.34	22.975	18	33.5	25.31	16	33.5	A5 J	12A	2687	A -15 1823
82		8.5A	24 23.194	-0.0028	18	-10 57 4.73	-0.030	20	0.35	23.240	18	33.5	4.23	16	33.5	A0 J	11	2616	A -10 2046
83		8.7A	24 23.742	-0.0034	20	-12 21 24.16	0.012	20	0.37	23.782	18	33.5	24.35	16	33.5	A0 J	11	2618	A -12 1971
84		9.0A	24 24.499	-0.0026	15	-10 24 8.93	-0.008	17	0.31	24.541	18	33.5	8.79	16	33.5	A0 J	11	2617	A -10 2047
85		9.1A	24 25.877	-0.0012	17	-13 32 41.16	0.010	18	0.33	25.896	18	33.5	41.32	16	33.5	B9 J	11	2619	A -13 2014
86		9.0A	24 27.726	-0.0008	17	-13 31 57.86	-0.025	18	0.33	27.739	18	33.5	57.45	16	33.5	M	11	2620	A -13 2016
87		9.1A	24 30.393	-0.0012	21	-17 12 58.30	-0.018	15	0.34	30.413	18	33.5	58.01	16	33.5	G5 J	12A	2688	A -17 1976
88		8.4A	24 32.364	-0.0004	18	-15 47 33.67	-0.022	13	0.31	32.370	18	33.5	33.31	16	33.5	A2 J	12A	2689	A -15 1825
89		8.6A	24 39.589	-0.0007	18	-11 15 45.05	0.022	20	0.35	39.601	18	33.5	45.40	16	33.5	K0 J	11	2621	A -11 1940
90		8.8A	24 40.943	-0.0023	21	-16 3 4.54	0.007	15	0.34	40.981	18	33.5	4.66	16	33.5	A0 J	12A	2690	A -15 1826
91		9.0A	24 43.011	-0.0010	17	-11 37 7.20	0.006	18	0.33	43.026	18	33.5	7.29	16	33.5	RP J	11	2622	A -11 1941
92		8.3A	24 43.440	0.0002	18	-12 7 19.16	0.003	20	0.35	43.437	18	33.5	19.20	16	33.5	B9 J	11	2623	A -11 1942
93		9.0A	24 45.959	-0.0009	17	-12 23 37.78	0.006	18	0.33	45.974	18	33.5	37.87	16	33.5	F0 J	11	2624	A -12 1974
94		5.7T	24 54.251	-0.0003	07	-17 45 45.57	0.012	07	0.36	54.263	12	06.5	46.14	12	04.2	F0	GC	9961K	B*-17 1980
95		8.7A	24 59.625	-0.0020	18	-11 23 23.14	-0.027	20	0.35	59.657	18	33.5	22.69	16	33.5	A0 J	11	2625	A -11 1945
96		8.9A	25 0.663	-0.0032	17	-18 51 55.42	0.013	13	0.30	0.716	18	33.5	55.63	16	33.5	F5 J	12B	2989	A -18 1844
97		8.4A	25 3.605	-0.0011	18	-12 15 19.19	-0.038	20	0.35	3.622	18	33.5	18.56	16	33.5	K2 J	11	2626	A -12 1978
98		8.9A	25 3.911	0.0010	18	-19 53 47.23	-0.015	13	0.31	3.895	18	33.5	46.99	16	33.5	B9 J	12B	2990	A -19 1892
99		9.0A	25 9.232	0.0011	21	-17 26 27.00	-0.003	15	0.34	9.214	18	33.5	26.95	16	33.5	F0 J	12A	2692	A -17 1981
00		9.0A	25 13.583	-0.0004	12	-10 7 3.31	-0.010	12	0.25	13.590	16	33.5	3.14	16	33.5	K0	16	2657	A -9 2058

152900

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ s	σ_μ .001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ .001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ .01	ep.	δ_2 ″	σ' .01	ep.	SP.		CAT.	SOURCE STAR NUMBER	-10° 7H DM NUMBER
1		8.4A	7 25 13.845	-0.0045	20	-12 18 41.49	-0.023	20	0.37	13.920	18	33.5	41.86	16	33.5	F5	J	11	2628K	A -12 1979
2		9.4A	25 13.860	-0.0009	21	-15 38 6.59	-0.009	15	0.34	13.874	18	33.5	6.44	16	33.5	A0	J	12A	2693	A -15 1833
3		8.5A	25 16.196	0.0011	20	-13 31 22.96	-0.014	21	0.37	16.178	18	33.5	22.72	16	33.5	A2	J	11	2630	A -13 2024
4		8.7A	25 16.275	-0.0021	15	-11 5 47.30	-0.014	17	0.31	16.309	18	33.5	47.06	16	33.5	K0	J	11	2629	A -10 2055
5		7.4Q	25 21.396	-0.0020	07	-18 23 21.46	-0.007	04	0.38	21.509	19	93.0	21.00	15	80.9	A0		GC	9971	-18 1846
6		8.2A	25 23.989	0.0016	18	-18 23 38.24	0.032	13	0.31	23.963	18	33.5	38.77	16	33.5	B9	J	12B	2994	A -18 1847
7		9.2A	25 24.621	0.0003	17	-11 33 29.43	-0.025	18	0.33	24.616	18	33.5	29.01	16	33.5	B9	J	11	2631	A -11 1949
8		8.6Q	25 29.558	-0.0009	22	-11 27 0.88	-0.002	18	0.84	29.592	21	11.0	0.78	22	09.4	A0		GC	9977K	-11 1951
9		5.9T	25 30.580	-0.0007	05	-11 27 14.83	-0.005	04	0.30	30.622	09	87.3	14.47	07	85.0	F5		GC	9979K	B*-11 1951
10		8.7A	25 31.371	-0.0009	20	-11 37 17.12	-0.044	20	0.37	31.385	18	33.5	16.39	16	33.5	K0	J	11	2633	A -11 1950
11		8.6A	25 35.117	0.0007	21	-15 59 28.29	-0.023	15	0.34	35.105	18	33.5	27.91	16	33.5	B3	J	12A	2694	A -15 1837
12		8.7A	25 38.610	-0.0010	18	-15 16 56.97	-0.005	13	0.31	38.627	18	33.5	56.89	16	33.5	B	J	12A	2695	A -15 1839
13		9.1A	25 40.858	-0.0024	18	-16 16 51.82	-0.007	13	0.31	40.898	18	33.5	51.71	16	33.5	B8	J	12A	2696	A -16 1963
14		9.0A	25 47.290	-0.0024	13	-10 50 31.06	-0.012	15	0.29	47.329	18	33.5	30.85	16	33.5	A0	J	11	2634	A -10 2059
15		8.6A	25 48.270	-0.0039	21	-14 54 2.62	0.024	15	0.34	48.334	18	33.5	3.01	16	33.5	K0	J	12A	2697	A -14 1913
16		8.8A	25 50.328	-0.0020	18	-13 1 44.09	-0.000	20	0.35	50.362	18	33.5	44.08	16	33.5	K0	J	11	2635	A -12 1985
17		8.6A	25 51.016	-0.0002	21	-14 44 14.24	-0.002	15	0.34	51.019	18	33.5	14.20	16	33.5	A0	J	12A	2698	A -14 1914
18		7.7A	25 53.002	-0.0014	17	-19 0 54.29	0.006	13	0.30	53.026	18	33.5	54.38	16	33.5	B8	J	12B	3002	A -18 1851
19		7.3A	25 55.466	0.0003	18	-11 9 43.68	-0.019	20	0.35	55.460	18	33.5	43.36	16	33.5	B9	J	11	2636	A -10 2061
20		9.0A	25 55.862	-0.0022	15	-13 35 17.33	-0.010	17	0.31	55.898	18	33.5	17.16	16	33.5	B9	J	11	2637	A -13 2029
21		8.5A	25 59.074	-0.0028	21	-14 16 9.98	0.001	15	0.34	59.120	18	33.5	10.00	16	33.5	G0	J	12A	2699	A -14 1915
22		9.1A	26 3.806	-0.0026	12	-10 2 19.08	0.004	12	0.25	3.849	16	33.5	19.13	16	33.5	K5		16	2869	A -9 2068
23		9.5A	26 4.467	-0.0027	18	-15 52 37.24	-0.017	13	0.31	4.512	18	33.5	36.96	16	33.5	B9	J	12A	2700	A -15 1843
24		8.4A	26 6.828	-0.0025	18	-12 51 9.19	0.017	20	0.35	6.870	18	33.5	9.46	16	33.5	A0	J	11	2640	A -12 1988
25		8.9A	26 22.767	-0.0009	18	-13 35 54.19	-0.043	20	0.35	22.782	18	33.5	53.48	16	33.5	F0	J	11	2642	A -13 2034
26		9.0A	26 22.814	-0.0005	21	-16 27 18.50	-0.012	15	0.34	22.822	18	33.5	18.31	16	33.5	F0	J	12A	2701	A -16 1969
27		9.2A	26 23.170	-0.0004	17	-13 30 41.45	-0.049	18	0.33	23.177	18	33.5	40.63	16	33.5	G	J	11	2643	A -13 2033
28		9.0A	26 23.480	-0.0003	18	-12 3 37.13	-0.008	20	0.35	23.485	18	33.5	36.99	16	33.5	K5	J	11	2641	A -11 1960
29		9.7Q	26 25.397	0.0028	15	-13 42 44.19	-0.043	11	0.59	25.284	19	09.4	42.28	19	05.8	A3		GC	10000K	B*-13 2035
30		9.0A	26 39.888	-0.0001	20	-11 59 24.58	0.024	20	0.37	39.889	18	33.5	24.97	16	33.5	A0	J	11	2646	A -11 1962
31		8.4A	26 42.896	-0.0030	15	-12 14 53.13	-0.033	18	0.32	42.945	18	33.5	52.58	16	33.5	A0	J	11	2647	A -12 1989
32		9.2A	26 47.712	-0.0007	13	-19 43 41.76	0.013	09	0.26	47.723	18	33.5	41.98	16	33.5	K0	J	12B	3010	A -19 1909
33		9.0A	26 47.840	-0.0016	15	-10 56 42.27	-0.019	15	0.30	47.867	18	33.5	41.95	16	33.5	K7	J	11	2648	A -10 2065
34		8.7A	26 48.596	0.0004	17	-13 39 56.10	0.004	18	0.33	48.589	18	33.5	56.16	16	33.5	B3	J	11	2649	A -13 2040
35		9.0A	26 52.941	-0.0032	18	-12 43 32.13	0.015	20	0.35	52.994	18	33.5	32.37	16	33.5	A0	J	11	2650	A -12 1990
36		7.4A	26 53.173	0.0002	17	-18 46 16.16	-0.022	13	0.30	53.170	18	33.5	15.79	16	33.5	K0	J	12B	3012	A -18 1858
37		8.9A	26 53.706	-0.0004	17	-14 55 49.76	0.001	15	0.31	53.713	18	33.5	49.77	16	33.5	A0	J	12A	2702	A -14 1923
38		9.1A	26 54.722	-0.0011	21	-17 24 38.32	0.013	15	0.34	54.741	18	33.5	38.54	16	33.5	B9	J	12A	2703	A -17 1993
39		8.7A	26 55.392	-0.0007	17	-11 57 38.71	-0.006	18	0.33	55.403	18	33.5	38.60	16	33.5	A0	J	11	2651	A -11 1964
40		8.9A	26 56.686	-0.0026	21	-16 2 44.87	0.012	15	0.34	56.728	18	33.5	45.07	16	33.5	A5	J	12A	2704	A -15 1851
41		6.0T	26 59.580	-0.0009	12	-10 13 20.98	-0.032	12	0.60	59.619	18	04.8	19.38	18	00.8	K2		GC	10022	-10 2067
42		7.9A	27 0.079	-0.0018	17	-13 2 5.25	-0.030	18	0.33	0.110	18	33.5	4.75	16	33.5	K0	J	11	2653	A -12 1991
43		5.9T	27 5.294	-0.0131	07	-14 53 27.97	-0.258	05	0.30	5.320	12	02.3	14.04	10	55.9	F8		GC	10027K	B*-14 1925
44		8.0A	27 5.831	-0.0005	21	-17 14 25.61	-0.038	15	0.34	5.823	18	33.5	24.99	16	33.5	G0	J	12A	2707	A -17 1996
45		8.4A	27 6.797	-0.0022	21	-16 52 16.62	-0.011	15	0.34	6.833	18	33.5	16.44	16	33.5	B8	J	12A	2708	A -16 1973
46		9.2A	27 7.119	-0.0015	21	-15 3 17.09	0.002	15	0.34	7.145	18	33.5	17.13	16	33.5	F0	J	12A	2706	A -14 1926
47		8.8A	27 9.083	-0.0021	21	-15 57 18.04	-0.015	15	0.34	9.117	18	33.5	17.80	16	33.5	A5	J	12A	2709	A -15 1853
48		8.8A	27 12.428	-0.0017	20	-13 22 13.98	0.003	21	0.37	12.456	18	33.5	14.02	16	33.5	K2	J	11	2654	A -13 2044
49		8.8A	27 15.782	-0.0014	18	-19 15 32.59	-0.013	13	0.31	15.759	18	33.5	32.37	16	33.5	K2	J	12B	3016	A -19 1912
50		8.7A	27 17.383	-0.0024	18	-11 15 16.88	0.013	20	0.35	17.422	18	33.5	17.09	16	33.5	A0	J	11	2655	A -11 1967
51		8.6A	7 27 18.955	-0.0010	15	-12 24 47.06	0.005	17	0.31	18.971	18	33.5	47.13	16	33.5	A0	J	11	2656	A -12 1993
52		8.4A	27 19.211	-0.0001	21	-16 10 16.91	0.004	15	0.34	19.212	18	33.5	16.98	16	33.5	F2	J	12A	2710	A -15 1856
53		8.2A	27 20.862	-0.0003	21	-17 28 10.18	0.012	15	0.34	20.867	18	33.5	10.38	16	33.5	M2	J	12A	2711	A -17 1998
54		8.9A	27 21.946	0.0007	18	-18 21 39.13	-0.028	13	0.31	21.934	18	33.5	38.67	16	33.5	A0	J	12B	3019	A -18 1863
55		8.7A	27 25.804	-0.0014	17	-19 25 12.10	0.017	13	0.30	25.828	18	33.5	12.37	16	33.5	B9	J	12B	3022	A -19 1915
56		8.9A	27 27.013	-0.0041	18	-11 17 14.71	-0.149	20	0.35	27.081	18	33.5	12.25	16	33.5	G5	J	11	2657	A -11 1968
57		8.8A	27 27.947	-0.0001	21	-17 23 36.19	-0.007	15	0.34	27.950	18	33.5	36.07	16	33.5	K5	J	12A	2713	A -17 1999
58		9.2A	27 30.668	0.0018	21	-18 19 32.36	-0.001	15	0.34	30.638	18	33.5	32.35	16	33.5	K2	J	12A	2715	A -18 1865
59		8.9A	27 34.328	0.0006	18	-11 8 42.37	-0.016	20	0.35	34.318	18	33.5	42.10	16	33.5	K0	J	11	2658	A -10 2072
60		8.4A	27 35.543	0.0018	21	-14 2 58.91	-0.020	15	0.34	35.514	18	33.5	58.58	16	33.5	B3	J	12A	2714	A -13 2052
61		8.8A	27 35.649	-0.0033	18	-12 15 13.73	0.013	20	0.35	35.702	18	33.5	13.94	16	33.5	F5	J	11	2659	A -12 1994
62		7.7A	27 35.738	-0.0054	17	-14 15 11.17	-0.002	13	0.30	35.826	18	33.5	11.13	16	33.5	F0	J	12A	2716	A -14 1928
63		6.9T	27 35.932	0.0002	22	-13 53 0.91	0.052	22	0.93	35.924	22	10.1	2.99	22	09.8	B5		GC	10038	-13 2051
64		9.2A	27 39.309	0.0023	20	-13 49 16.19	-0.041	20	0.37	39.271	18	33.5	15.52	16	33.5	K7	J	11	2663	A -13 2053
65		8.7A	27 39.793	-0.0001	17	-17 25 39.48	0.005	13	0.30	39.796	18	33.5	39.56	16	33.5	K0	J	12A	2718	A -17 2000
66		9.2A	27 40.526	-0.0028	18	-14 14 54.64	-0.019	13	0.31	40.572	18	33.5	54.32	16	33.5	A0	J	12A	2717	A -14 1929
67		8.6A	27 42.800	0.0011	18	-17 53 41.78	0.038	13	0.31	42.782	18	33.5	42.41	16	33.5	G5	J	12A	2719	A -17 2004
68		7.0T	27 50.367	0.0006	12	-19 25 17.55	-0.013	12	0.69	50.339	21	96.7	16.81	19	94.1	K0		GC	10044	-19 1919
69		8.6A	27 50.832	-0.0000	21	-15 41 39.82	-0.015	15	0.34	50.833	18	33.5	39.58	16	33.5	K0	J	12A	2720	A -15 1862
70		9.0A	27 55.944	0.0005	15	-13 31 39.73	0.002	17	0.31	55.936	18	33.5	39.76	16	33.5	K0	J	11	2664	A -13 2055
71		8.5A	27 56.455	0.0005	17	-16 57 46.29	0.024	15	0.31	56.446	18	33.5	46.69	16	33.5	K0	J	12A	2721	A -16 1978
72		8.2A	28 0.803	-0.0019	17	-14 53 32.91	0.004	15	0.31	0.835	18	33.5	32.97	16	33.5	B8	J	12A	2722	A -14 1932
73		8.2A	28 1.910	-0.0024	21	-15 44 37.69	0.004	15	0.34	1.949	18	33.5	37.76	16	33.5	A0	J	12A	2723	A -15 1865
74		8.6A	28 5.177	0.0004	17	-18 19 36.32	-0.027	13	0.30	5.171	18	33.5	35.88	16	33.5	B9	J	12B	3027	A -18 1867
75		9.2A	28 5.495	-0.0006	12	-10 1 12.58	0.001	12	0.25	5.505	16	33.5	12.59	16	33.5	G5		16	2690	A -9 2083
76		9.3A	28 10.221	0.0001	21	-17 16 7.86	-0.022	15	0.34	10.219	18	33.5	7.50	16	33.5	A0	J	12A	2725	A -17 2005
77		8.9A	28 16.103	-0.0017	18	-14 52 2.00	0.001	13	0.31	16.130	18	33.5	2.01	16	33.5	F5	J	12A	2726	A -14 1935
78		8.3A	28 17.295	-0.0037	15	-13 20 3.52	-0.042	17	0.31	17.357	18	33.5	2.82	16	33.5	A3	J	11	2665	A -13 2058
79		8.6A	28 19.185	-0.0013	21	-17 13 1.61	-0.029	15	0.34	19.206	18	33.5	1.14	16	33.5	B9	J	12A	2727	A -17 2006
80		9.0A	28 20.971	0.0005	18	-17 44 21.55	0.020	13	0.31	20.963	18	33.5	21.89	16	33.5	B9	J	12A	2728	A -17 2007
81		8.1A	28 23.708	0.0022	18	-15 53 14.59	-0.136	13	0.31	23.672	18	33.5	12.36	16	33.5	G5	J	12A	2729	A -15 1868
82		9.0A	28 26.044	0.0012	21	-16 59 40.13	-0.022	15	0.34	26.023	18	33.5	39.77	16	33.5	K2	J	12A	2730	A -16 1986
83		8.6A	28 30.373	-0.0020	18	-10 26 33.95	-0.012	20	0.35	30.406	18	33.5	33.74	16	33.5	A2	J	11	2666	A -10 2079
84		8.3A	28 32.193	-0.0016	17	-13 3 43.88	0.006	18	0.33	32.219	18	33.5	43.97	16	33.5	A0	J	11	2667	A -12 1998
85		9.1A	28 32.300	-0.0011	21	-15 19 16.41	-0.017	15	0.34	32.318	18	33.5	16.13	16	33.5	B9	J	12A	2731	A -15 1869
86		7.0T	28 35.843	-0.0020	11	-10 0 4.87	-0.015	10	0.53	35.932	17	04.7	4.12	17	01.7	K2		GC	10062	-9 2086
87		9.0A	28 36.523	-0.0045	18	-15 7 5.19	0.029	13	0.31	36.598	18	33.5	5.67	16	33.5	A0	J	12A	2732	A -14 1939
88		9.0A	28 37.626	-0.0011	17	-18 9 20.64	-0.007	13	0.30	37.645	18	33.5	20.53	16	33.5	G0	J	12B	3031	A -17 2010
89		9.1A	28 37.986	-0.0017	12	-10 12 32.54	-0.025	12	0.25	38.013	16	33.5	32.12	16	33.5	A0		16	2700	A -10 2081
90		8.8A	28 42.597	0.0001	21	-16 0 3.39	0.001	15	0.34	42.595	18	33.5	3.41	16	33.5	K0	J	12A	2734	A -15 1871
91		8.4A	28 46.192	-0.0007	17	-18 49 25.43	-0.010	13	0.30	46.203	18	33.5	25.26	16	33.5	B3	J	12B	3033	A -18 1873
92		9.1A	28 50.328	-0.0016	12	-10 10 38.15	-0.015	12	0.25	50.354	16	33.5	37.89	16	33.5	B8		16	2702	A -9 2087
93		8.7A	28 52.626	-0.0031	21	-17 35 57.89	0.035	15	0.34	52.678	18	33.5	58.48	16	33.5	F8	J	12A	2736	A -17 2013
94		8.9A	28 52.958	0.0005	15	-12 40 14.37	-0.006	17	0.31	52.950	18	33.5	14.26	16	33.5	A0	J	11	2672	A -12 2002
95		9.1A	28 54.036	-0.0002	15	-15 12 5.15	-0.003	11	0.27	54.039	18	33.5	5.10	16	33.5	F2	J	12A	2735	A -15 1873
96		9.0A	28 54.247	0.0006	18	-17 54 8.82	-0.017	13	0.31	54.238	18	33.5	8.54	16	33.5	A0	J	12A	2737	A -17 2014
97		8.9A	28 54.991	-0.0007	15	-13 20 52.02	-0.007	17	0.31	55.002	18	33.5	51.90	16	33.5	K5	J	11	2673	A -13 2066
98		8.5A	29 0.000	0.0008	18	-12 25 14.55	-0.006	20	0.35	-59.986	18	33.5	14.45	16	33.5	K0	J	11	2674	A -12 2006
99		8.3A	29 1.123	0.0015	17	-15 11 29.94	-0.001	12	0.29	1.099	18	33.5	29.93	16	33.5	A0	J	12A	2738	A -15 1875
00		8.6A	29 1.881	-0.0003	21	-17 34 51.66	-0.012	15	0.34	1.886	18	33.5	51.47	16	33.5	K5	J	12A	2740	A -17 2015

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NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	-10° 7H DM NUMBER
1		7.6A	7 29 2.582	-0.0016	17	-14 51 31.49	-0.028	12	0.29	2.608	18	33.5	31.02	16	33.5	K0 J	12A	2739	A -14 1944
2		8.4A	29 4.971	0.0005	18	-12 8 3.49	-0.010	20	0.35	4.963	18	33.5	3.32	16	33.5	A0 J	11	2575	A -11 1980
3		8.6A	29 6.056	-0.0028	18	-13 32 51.47	0.013	20	0.35	6.102	18	33.5	51.69	16	33.5	K0 J	11	2676	A -13 2068
4		9.0A	29 9.560	-0.0021	15	-19 4 7.56	-0.002	11	0.27	9.594	18	33.5	7.52	16	33.5	F0 J	12B	3036	A -18 1882
5		9.0A	29 12.043	0.0003	18	-13 47 38.29	-0.001	20	0.35	12.037	18	33.5	38.27	16	33.5	B8 J	11	2678	A -13 2069
6		8.3A	29 13.385	-0.0007	15	-12 40 13.62	-0.017	17	0.31	13.396	18	33.5	13.33	16	33.5	A3 J	11	2679	A -12 2009
7		8.7A	29 13.729	-0.0035	21	-16 11 58.69	0.054	15	0.34	13.787	18	33.5	59.58	16	33.5	G0 J	12A	2741	A -16 1991
8		9.1A	29 14.012	0.0006	12	-10 10 35.26	-0.008	12	0.25	14.002	16	33.5	35.12	16	33.5	B9	16	2708	A -9 2090
9		7.7A	29 18.256	0.0001	18	-19 24 16.29	-0.016	13	0.31	18.254	18	33.5	16.02	16	33.5	K5 J	12B	3039	A -19 1929
10		8.9A	29 22.491	0.0024	17	-17 4 58.79	-0.022	11	0.29	22.451	18	33.5	58.43	16	33.5		12A	2742	A -16 1994
11		8.6A	29 23.386	0.0003	18	-17 5 25.54	0.017	13	0.31	23.380	18	33.5	25.82	16	33.5	B5 J	12A	2743	A -16 1995
12		9.0A	29 26.137	0.0001	15	-13 43 32.17	-0.006	17	0.31	26.136	18	33.5	32.06	16	33.5	K5 J	11	2680	A -13 2072
13		9.4A	29 26.370	-0.0014	21	-17 5 34.51	0.026	15	0.34	26.393	18	33.5	34.94	16	33.5	B8 J	12A	2744	A -16 1997
14		9.0A	29 28.322	-0.0003	18	-13 37 36.63	0.015	20	0.35	28.328	18	33.5	36.87	16	33.5	K2 J	11	2681	A -13 2073
15		8.6A	29 42.449	-0.0016	21	-14 33 18.60	-0.023	15	0.34	42.475	18	33.5	18.21	16	33.5	A0 J	12A	2745	A -14 1950
16		8.9A	29 45.500	-0.0014	17	-19 24 11.92	-0.003	13	0.30	45.523	18	33.5	11.86	16	33.5	K0 J	12B	3044	A -19 1934
17		9.1A	29 46.930	0.0002	12	-10 8 48.61	-0.006	12	0.25	46.926	16	33.5	48.50	16	33.5	A0	16	2717	A -9 2094
18		8.8A	29 47.119	-0.0006	17	-11 25 32.74	-0.001	18	0.33	47.129	18	33.5	32.71	16	33.5	A0 J	11	2683	A -11 1985
19		8.5A	29 50.297	-0.0027	18	-15 57 54.50	-0.011	13	0.31	50.341	18	33.5	54.32	16	33.5	G5 J	12A	2746	A -15 1884
20		9.0A	29 52.098	-0.0003	15	-12 57 27.92	0.014	15	0.30	52.102	18	33.5	28.14	16	33.5	K7 J	11	2685	A -12 2014
21		8.8A	29 52.398	0.0010	15	-14 1 32.66	0.024	17	0.31	52.582	18	33.5	33.05	16	33.5	B8 J	11	2687	A -13 2076
22		8.8A	29 53.254	-0.0005	17	-11 22 6.63	-0.000	17	0.32	55.263	18	33.5	6.62	16	33.5	A0 J	11	2684	A -11 1986
23		9.4A	29 54.130	-0.0029	21	-15 50 4.74	-0.001	15	0.34	54.178	18	33.5	4.73	16	33.5	A0 J	12A	2747	A -15 1885
24		8.6A	29 56.323	-0.0007	17	-10 23 32.71	-0.013	18	0.33	56.334	18	33.5	32.49	16	33.5	K0 J	11	2686	A -10 2092
25		8.6A	29 57.532	-0.0006	21	-14 57 15.96	0.014	15	0.34	57.541	18	33.5	16.19	16	33.5	F2 J	12A	2748	A -14 1952
26		8.2A	29 58.030	-0.0030	21	-16 51 28.14	-0.017	15	0.34	58.079	18	33.5	27.86	16	33.5	K2 J	12A	2749	A -16 2001
27		8.7A	30 3.066	-0.0003	13	-11 26 12.15	-0.008	15	0.29	3.071	18	33.5	12.02	16	33.5	K5 J	11	2688	A -11 1987
28		8.0A	30 3.151	-0.0015	17	-18 24 35.43	-0.017	12	0.29	3.176	18	33.5	35.15	16	33.5	F0P J	12B	3047	A -18 1893
29		9.0A	30 5.386	-0.0033	21	-14 52 32.92	0.005	15	0.34	5.439	18	33.5	33.00	16	33.5	F0 J	12A	2751	A -14 1953
30		9.1A	30 9.403	-0.0005	20	-18 45 57.71	0.011	15	0.34	9.411	18	33.5	57.88	16	33.5	B9 J	12B	3048	A -18 1894
31		7.9A	30 10.506	-0.0030	17	-18 8 36.66	-0.022	13	0.30	10.555	18	33.5	36.31	16	33.5	K0 J	12B	3049	A -17 2023
32		9.1A	30 13.856	0.0025	15	-12 46 7.15	-0.007	17	0.31	13.814	18	33.5	7.03	16	33.5	A J	11	2689	A -12 2016
33		9.0A	30 14.196	-0.0041	21	-15 21 12.59	0.089	15	0.34	14.264	18	33.5	14.06	16	33.5	G0 J	12A	2754	A -15 1888
34		9.3A	30 14.380	-0.0004	17	-12 46 15.45	0.068	18	0.33	14.387	18	33.5	16.56	16	33.5	A J	11	2690	A -12 2017
35		8.6A	30 16.031	-0.0005	18	-11 19 57.71	-0.009	20	0.35	16.038	18	33.5	57.55	16	33.5	G5 J	11	2691	A -11 1990
36		9.0A	30 18.935	-0.0037	18	-14 17 29.24	0.002	13	0.31	18.996	18	33.5	29.28	16	33.5	A0 J	12A	2755	A -14 1956
37		8.6A	30 19.270	-0.0074	15	-12 46 5.84	-0.058	17	0.31	19.393	18	33.5	4.88	16	33.5	G5 J	11	2692	A -12 2018
38		8.8A	30 20.178	-0.0010	15	-19 3 58.04	0.006	11	0.27	20.194	18	33.5	58.13	16	33.5	K0 J	12B	3052	A -18 1897
39		8.7A	30 22.335	0.0123	18	-16 43 4.84	0.100	13	0.31	22.132	18	33.5	6.49	16	33.5	G5 J	12A	2756	A -16 2006
40		9.2A	30 23.473	0.0006	17	-13 35 47.20	-0.018	18	0.33	23.464	18	33.5	46.91	16	33.5	A2 J	11	2694	A -13 2079
41		8.9A	30 23.790	0.0005	15	-11 4 50.62	-0.016	17	0.31	23.782	18	33.5	50.36	16	33.5	A2 J	11	2693	A -10 2093
42		8.5A	30 28.412	0.0004	21	-16 29 0.02	-0.032	15	0.34	28.405	18	33.5	59.50	16	33.5	A3 J	12A	2757	A -16 2008
43		9.0A	30 32.559	-0.0009	18	-11 56 5.21	-0.036	20	0.35	32.574	18	33.5	4.61	16	33.5	K7 J	11	2695	A -11 1992
44		8.7A	30 33.725	-0.0013	20	-18 8 45.44	-0.060	15	0.34	33.745	18	33.5	44.45	16	33.5	G0 J	12B	3055	A -17 2025
45		9.4A	30 33.737	0.0012	17	-13 35 28.12	-0.004	22	0.37	33.718	18	33.5	28.06	16	33.5	A5 J	11	2696	
46		8.8A	30 38.407	0.0006	21	-16 13 16.58	-0.009	15	0.34	38.396	18	33.5	16.44	16	33.5	K0 J	12A	2759	A -16 2010
47		8.9A	30 40.533	0.0006	18	-12 58 2.53	-0.003	20	0.35	40.524	18	33.5	2.47	16	33.5	A0 J	11	2697	A -12 2020
48		9.2A	30 40.981	0.0006	21	-17 7 0.32	0.001	15	0.34	40.971	18	33.5	0.34	16	33.5	B9 J	12A	2760	A -16 2012
49		9.1A	30 40.989	-0.0018	17	-19 26 31.79	-0.000	13	0.30	41.018	18	33.5	31.79	16	33.5	B8 J	12B	3061	A -19 1938
50		9.2A	30 44.831	-0.0031	21	-14 56 41.17	-0.024	15	0.34	44.882	18	33.5	40.77	16	33.5	B9 J	12A	2761	A -14 1962
51		8.2A	7 30 49.746	0.0015	17	-13 18 40.83	-0.003	18	0.33	49.720	18	33.5	40.77	16	33.5	A0 J	11	2699	A -13 2084
52		8.7A	30 50.079	-0.0000	18	-11 30 10.39	0.015	20	0.35	50.080	18	33.5	10.64	16	33.5	B5 J	11	2698	A -11 1994
53		8.6A	30 50.786	0.0000	21	-15 4 11.14	-0.013	15	0.34	50.786	18	33.5	10.93	16	33.5	A0 J	12A	2762	A -14 1964
54		9.1A	30 52.598	-0.0000	20	-10 54 56.64	0.019	21	0.37	52.598	18	33.5	56.95	16	33.5	A0 J	11	2700	A -10 2099
55		8.9A	30 54.739	-0.0042	18	-10 22 15.56	-0.045	20	0.35	54.808	16	33.5	14.81	16	33.5	K2 J	11	2701	A -10 2100
56		8.2A	30 56.130	-0.0008	21	-15 20 41.93	-0.029	15	0.34	56.142	18	33.5	41.45	16	33.5	B J	12A	2763	A -15 1892
57		9.3A	30 56.541	-0.0012	21	-15 24 17.97	-0.006	15	0.34	56.561	18	33.5	17.87	16	33.5		12A	2764	A -15 1893
58		9.0A	30 56.605	-0.0010	21	-17 42 52.95	-0.011	15	0.34	56.621	18	33.5	52.78	16	33.5	A0 J	12A	2765	A -17 2029
59		8.6A	30 59.167	0.0002	18	-13 0 33.88	-0.009	20	0.35	59.165	18	33.5	33.73	16	33.5	B J	11	2702	A -12 2025
60		9.4A	31 1.772	-0.0036	18	-15 56 40.23	-0.035	13	0.31	1.831	18	33.5	39.66	16	33.5	A0 J	12A	2766	A -15 1895
61		6.2T	31 4.043	-0.0011	12	-14 13 45.72	-0.008	11	0.61	4.096	21	01.7	45.31	18	98.7	B5	GC	10113	-14 1966
62		5.8T	31 7.314	0.0012	10	-19 18 8.90	-0.070	10	0.41	7.267	14	12.2	6.10	14	10.2	K0	GC	10115	B*-19 1944
63		9.0A	31 12.487	0.0006	15	-12 10 37.19	-0.006	17	0.31	12.477	18	33.5	37.08	16	33.5	A0 J	11	2704	A -11 1997
64		9.2A	31 16.996	-0.0007	21	-17 9 56.55	0.017	15	0.34	17.009	18	33.5	56.83	16	33.5	A0 J	12A	2768	A -16 2015
65		9.0A	31 20.499	-0.0017	18	-15 37 7.05	-0.002	13	0.31	20.526	18	33.5	7.02	16	33.5	A0 J	12A	2770	A -15 1899
66		9.1A	31 21.887	-0.0006	21	-14 18 31.83	-0.021	15	0.34	21.897	18	33.5	31.49	16	33.5	B9 J	12A	2769	A -14 1969
67		9.0A	31 22.318	-0.0032	17	-18 58 13.36	-0.045	13	0.30	22.370	18	33.5	12.61	16	33.5	F5 J	12B	3068	A -18 1905
68		8.0A	31 23.974	-0.0013	21	-15 2 52.73	-0.042	15	0.34	23.995	18	33.5	52.04	16	33.5	G0 J	12A	2771	A -14 1970
69		8.9A	31 26.822	-0.0008	18	-17 54 51.41	-0.050	13	0.31	26.835	18	33.5	50.59	16	33.5	F8 J	12A	2774	A -17 2033
70		8.6A	31 29.191	-0.0005	17	-13 5 26.88	-0.004	18	0.33	29.199	18	33.5	26.81	16	33.5	K5 J	11	2706	A -12 2031
71		8.7A	31 29.592	-0.0017	21	-15 11 6.42	0.031	15	0.34	29.619	18	33.5	6.93	16	33.5	B9 J	12A	2773	A -14 1973
72		5.1T	31 30.073	-0.0013	06	-14 24 52.04	-0.000	06	0.29	30.128	12	08.2	52.04	12	04.8	+++	GC	10122	B*-14 1971
73		8.9A	31 31.031	-0.0007	17	-13 55 20.43	0.034	18	0.33	31.043	18	33.5	20.99	16	33.5	A0 J	11	2707	A -13 2096
74		8.5A	31 33.479	-0.0005	18	-13 35 2.04	-0.039	20	0.35	33.488	18	33.5	1.40	16	33.5	F8 J	11	2708	A -13 2097
75		9.0A	31 40.869	0.0006	17	-13 20 59.33	0.004	18	0.33	40.859	18	33.5	59.39	16	33.5	K5 J	11	2710	A -13 2098
76		8.7A	31 41.274	0.0019	15	-10 56 15.84	-0.025	17	0.31	41.242	18	33.5	15.43	16	33.5	A0 J	11	2709	A -10 2104
77		8.6A	31 45.480	-0.0051	15	-11 7 47.65	0.013	17	0.31	45.563	18	33.5	47.86	16	33.5	F8 J	11	2711	A -10 2105
78		9.1A	31 47.688	-0.0023	21	-17 42 12.38	-0.017	15	0.34	47.726	18	33.5	12.10	16	33.5	B9 J	12A	2775	A -17 2037
79		8.2A	31 48.770	-0.0007	15	-12 55 46.08	0.005	17	0.31	48.783	18	33.5	46.16	16	33.5	B9 J	11	2712	A -12 2032
80		6.9T	31 57.540	-0.0037	17	-16 4 46.73	0.132	14	0.69	57.690	21	08.9	52.41	19	06.9	G5	GC	10135	-15 1904
81		9.0A	32 3.311	-0.0007	15	-11 26 29.65	0.028	17	0.31	3.323	18	33.5	30.10	16	33.5	A0 J	11	2713	A -11 2001
82		8.4A	32 6.380	-0.0005	15	-12 14 58.02	-0.031	15	0.30	6.389	18	33.5	57.51	16	33.5	K5 J	11	2714	A -12 2035
83		6.7T	32 10.381	-0.0044	16	-13 45 38.85	0.123	13	0.70	10.577	22	05.5	44.57	22	03.5	F5	GC	10142K	-13 2101
84		8.7A	32 11.606	0.0011	18	-12 44 17.19	-0.006	20	0.35	11.587	18	33.5	17.08	16	33.5	K2 J	11	2716	A -12 2036
85		8.7A	32 12.004	0.0002	17	-12 8 51.81	-0.003	18	0.33	12.001	18	33.5	51.76	16	33.5	K2 J	11	2715	A -11 2003
86		8.8A	32 14.439	0.0005	21	-14 58 40.68	-0.013	15	0.34	14.430	18	33.5	40.46	16	33.5	K0 J	12A	2777	A -14 1977
87		9.0A	32 16.921	-0.0004	21	-14 56 31.55	-0.022	15	0.34	16.928	18	33.5	31.18	16	33.5	K2 J	12A	2778	A -14 1979
88		9.0A	32 22.748	-0.0003	15	-11 0 57.60	0.011	17	0.31	22.752	18	33.5	57.77	16	33.5	A5 J	11	2718	A -10 2111
89		9.2A	32 31.568	0.0035	21	-15 32 19.07	-0.008	15	0.34	31.510	18	33.5	18.94	16	33.5	A3 J	12A	2779	A -15 1907
90		8.9A	32 35.250	-0.0004	17	-10 41 40.33	-0.000	18	0.33	35.256	18	33.5	40.32	16	33.5	A0 J	11	2719	A -10 2113
91		7.9A	32 36.144	-0.0041	18	-14 3 7.94	-0.028	13	0.31	36.212	18	33.5	7.48	16	33.5	B9 J	12A	2780	A -13 2104
92		8.3A	32 36.942	0.0033	17	-10 29 48.78	0.004	18	0.33	36.888	18	33.5	48.84	16	33.5	A0 J	11	2720	A -10 2114
93		9.0A	32 36.982	-0.0002	21	-14 50 20.29	-0.051	15	0.34	36.986	18	33.5	19.44	16	33.5	K2 J	12A	2781	A -14 1980
94		9.0A	32 39.925	-0.0026	21	-17 0 13.76	-0.029	15	0.34	39.969	18	33.5	13.28	16	33.5	F2 J	12A	2782	A -16 2027
95		8.8A	32 42.285	-0.0016	17	-18 52 17.26	-0.008	13	0.30	42.311	18	33.5	17.12	16	33.5	K5 J	12B	3077	A -18 1918
96		9.0A	32 45.286	-0.0023	21	-17 23 21.09	0.031	15	0.34	45.324	18	33.5	21.60	16	33.5	G0 J	12A	2784	A -17 2043
97		9.0A	32 46.146	-0.0020	21	-14 55 46.39	-0.026	15	0.34	46.178	18	33.5	45.96	16	33.5	K0 J	12A	2783	A -14 1982
98		8.9A	32 47.417	-0.0019	17	-19 33 57.52	0.003	12	0.29	47.448	18	33.5	57.57	16	33.5	A2 J	12B	3078	A -19 1954
99		7.3Q	32 57.850	-0.0072	22	-17 26 21.07	0.150	18	0.86	58.139	19	09.7	27.39	19	07.9	G5	GC	10169	-17 2048
00		8.6A	33 2.210	-0.0014	18	-18 47 36.05	-0.034	13	0.31	2.233	18	33.5	35.49	16	33.5	F2 J	12B	3081	A -18 1921

153100 — EPOCH 1950 — ORIGINAL EPOCH — SOURCE — −10° 7H

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	α_{1950} h m s	μ s	σ_μ .001"	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ .001"	σ_{1950} ″	α_2 s	σ .01"	ep.	δ_2 ″	σ' .01"	ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	DM NUMBER
1		8.0A	7 33 2.467	-0.0068	15	-13 56 9.81	-0.067	17	0.31	2.579	18	33.5	4.71	16	33.5	G5 J	11	2722	A -13 2109
2		8.6A	33 4.129	0.0006	21	-16 17 26.63	-0.021	15	0.34	4.119	18	33.5	26.28	16	33.5	K2 J	12A	2786	A -16 2031
3		9.0A	33 4.862	-0.0005	21	-17 17 33.02	-0.010	15	0.34	4.871	18	33.5	32.86	16	33.5	F2 J	12A	2788	A -17 2050
4		7.5A	33 6.580	-0.0020	17	-15 16 17.28	-0.021	12	0.29	6.613	18	33.5	16.94	16	33.5	K5 J	12A	2787	A -15 1914
5		8.8A	33 7.693	0.0011	21	-17 48 58.72	-0.013	15	0.34	7.674	18	33.5	58.51	16	33.5	K0 J	12A	2791	A -17 2053
6		8.7A	33 9.743	0.0017	21	-15 29 57.16	-0.017	15	0.34	9.715	18	33.5	56.88	16	33.5	K2 J	12A	2789	A -15 1915
7		8.9A	33 10.383	-0.0006	21	-14 57 35.41	-0.067	15	0.34	10.393	18	33.5	34.30	16	33.5	F5 J	12A	2790	A -14 1984
8		9.0A	33 12.786	-0.0016	18	-19 42 44.72	-0.002	13	0.31	12.812	18	33.5	44.69	16	33.5	B8 J	12B	3082	A -19 1958
9		8.6A	33 17.599	-0.0003	15	-13 42 43.58	-0.008	17	0.31	17.605	18	33.5	43.45	16	33.5	K0 J	11	2723	A -13 2111
10		8.9A	33 18.563	0.0016	21	-14 33 32.68	-0.015	15	0.34	18.536	18	33.5	32.43	16	33.5	A0 J	12A	2792	A -14 1987
11		8.9A	33 23.087	-0.0020	15	-12 39 50.80	0.009	17	0.31	23.121	18	33.5	50.94	16	33.5	K0 J	11	2724	A -12 2044
12		8.8A	33 26.702	-0.0005	15	-11 20 26.88	0.038	17	0.31	26.709	18	33.5	27.50	16	33.5	K2 J	11	2725	A -11 2012
13		8.7A	33 36.959	0.0002	18	-19 40 16.78	-0.017	13	0.31	36.955	18	33.5	16.50	16	33.5	B3 J	12B	3088	A -19 1959
14		9.0A	33 37.660	0.0006	21	-17 2 46.42	0.012	15	0.34	37.651	18	33.5	46.62	16	33.5	K0 J	12A	2794	A -16 2036
15		8.1A	33 39.234	-0.0003	18	-14 35 56.72	-0.016	13	0.31	39.239	18	33.5	56.45	16	33.5	B9 J	12A	2793	A -14 1994
16		8.8A	33 39.949	-0.0055	17	-19 16 49.09	-0.005	13	0.30	40.040	18	33.5	49.00	16	33.5	A0 J	12B	3089	A -19 1960
17		8.2A	33 44.101	-0.0006	17	-18 44 4.74	0.004	13	0.30	44.110	18	33.5	4.80	16	33.5	F0 J	12B	3090	A -18 1925
18		5.6T	33 45.898	-0.0011	06	-14 22 50.70	-0.001	06	0.29	45.947	12	06.3	50.66	12	03.3	B5	GC	10189K	-14 1999
19		8.9A	33 46.243	0.0012	15	-12 19 21.46	-0.014	17	0.31	46.223	18	33.5	21.23	16	33.5	K0 J	11	2726	A -12 2045
20		8.4A	33 50.552	0.0020	18	-14 35 8.91	-0.010	13	0.31	50.519	18	33.5	8.74	16	33.5	K0 J	12A	2796	A -14 2001
21		8.0A	33 51.198	-0.0014	21	-14 17 45.72	-0.027	15	0.34	51.222	18	33.5	45.28	16	33.5	K2 J	12A	2797	A -14 2002
22		8.8A	33 51.683	0.0002	21	-17 48 45.65	-0.006	15	0.34	51.680	18	33.5	45.56	16	33.5	K2 J	12A	2799	A -17 2057
23		8.6A	33 52.465	-0.0005	12	-10 9 20.24	0.016	12	0.25	52.473	16	33.5	20.50	16	33.5	B5	16	2758	A -9 2129
24		8.5A	33 52.602	0.0003	21	-16 46 56.34	-0.043	15	0.34	52.597	18	33.5	55.63	16	33.5	K0 J	12A	2798	A -16 2037
25		8.9A	33 52.708	-0.0001	15	-13 26 7.39	0.001	17	0.31	52.708	18	33.5	7.40	16	33.5	A0 J	11	2729	A -13 2113
26		9.0A	33 54.489	-0.0000	15	-12 3 46.92	-0.025	15	0.30	54.489	18	33.5	46.51	16	33.5	A5 J	11	2730	A -11 2016
27		8.8A	33 59.273	0.0003	15	-11 40 4.25	0.003	17	0.31	59.268	18	33.5	4.30	16	33.5	A2 J	11	2731	A -11 2017
28		8.6A	33 59.701	-0.0035	21	-17 41 54.11	-0.045	15	0.34	59.758	18	33.5	53.38	16	33.5	F2 J	12A	2800	A -17 2058
29		8.9A	34 1.791	-0.0005	21	-17 4 46.58	0.038	15	0.34	1.800	18	33.5	47.21	16	33.5	B9 J	12A	2803	A -16 2041
30		9.0A	34 3.977	0.0019	21	-14 37 42.23	-0.005	15	0.34	3.945	18	33.5	42.14	16	33.5	A0 J	12A	2801	A -14 2013
31		9.0A	34 4.601	-0.0022	17	-14 23 0.68	0.006	13	0.30	4.637	18	33.5	0.78	16	33.5	A J	12A	2802	A -14 2012
32		8.6A	34 5.219	0.0003	21	-16 10 7.67	0.002	15	0.34	5.214	18	33.5	7.71	16	33.5	M1 J	12A	2804	A -15 1926
33		7.0A	34 9.543	-0.0006	21	-14 28 57.77	-0.011	15	0.34	9.552	18	33.5	57.59	16	33.5	B9 J	12A	2805	A -14 2016
34		9.4A	34 12.548	0.0001	21	-17 20 21.21	0.003	15	0.34	12.547	18	33.5	21.26	16	33.5	A0 J	12A	2808	A -17 2059
35		8.8A	34 12.946	-0.0013	15	-14 33 10.56	0.007	11	0.27	12.966	18	33.5	10.67	16	33.5	A0 J	12A	2806	A -14 2018
36		8.8A	34 14.069	0.0026	17	-19 45 6.26	0.007	13	0.30	14.027	18	33.5	6.37	16	33.5	A0 J	12B	3096	A -19 1964
37		8.2A	34 14.448	-0.0023	21	-14 4 48.92	-0.040	15	0.34	14.486	18	33.5	48.27	16	33.5	B9 J	12A	2807	A -13 2119
38		9.2A	34 14.934	-0.0006	12	-10 4 7.18	-0.003	12	0.25	14.943	16	33.5	7.12	16	33.5	K5	16	2761	A -9 2134
39		8.9A	34 16.011	-0.0027	15	-13 56 50.42	-0.003	17	0.31	16.056	18	33.5	50.37	16	33.5	K0 J	11	2734	A -13 2120
40		9.0A	34 16.796	-0.0009	18	-14 19 3.85	-0.015	13	0.31	16.811	18	33.5	3.61	16	33.5	A J	12A	2809	A -14 2019
41		9.0A	34 17.306	-0.0038	17	-18 40 55.61	-0.007	13	0.31	17.370	18	33.1	55.49	16	33.1	A3 J	12B	3097	A -18 1926
42		7.9Q	34 17.647	-0.0005	09	-14 22 14.77	0.002	12	0.54	17.670	19	04.7	14.87	18	03.2	B9	GC	10202K	-14 2020
43		7.9Q	34 18.099	-0.0011	07	-14 22 19.55	-0.002	05	0.37	18.158	18	97.1	19.43	15	90.5	B9	GC	10203K	-14 2021
44		8.5A	34 22.715	0.0006	17	-12 57 3.50	0.061	18	0.34	22.706	18	33.1	4.53	16	33.1	B3 J	11	2740	A -12 2050
45		7.9Q	34 23.239	0.0001	15	-14 19 50.82	0.004	11	0.76	23.234	22	97.3	51.05	19	91.8	B9	GC	10204K	-14 2025
46		8.7A	34 25.651	-0.0001	18	-12 44 24.27	0.001	20	0.36	25.653	18	33.1	24.28	16	33.1	B9 J	11	2742	A -12 2052
47		8.8A	34 26.215	-0.0013	18	-15 54 30.12	-0.007	13	0.32	26.237	18	33.1	30.00	16	33.1	K0 J	12A	2814	A -15 1930
48		8.5A	34 28.485	-0.0003	17	-13 53 11.57	-0.003	18	0.34	28.491	18	33.1	11.52	16	33.1	B9 J	11	2743	A -13 2124
49		5.7H	34 29.124	-0.0008	03	-19 35 22.67	0.003	03	0.09	29.145	04	24.3	22.75	04	24.2	B3	F4	1197	-19 1967
50		9.0A	34 29.211	-0.0025	21	-14 26 55.47	0.018	15	0.35	29.253	18	33.1	55.78	16	33.1	A0 J	12A	2815	A -14 2029
51		9.0A	7 34 32.566	0.0009	18	-11 26 4.32	-0.041	20	0.36	32.551	18	33.1	3.63	16	33.1	A3 J	11	2744	A -11 2020
52		8.7A	34 36.257	-0.0002	20	-18 50 23.23	0.020	15	0.34	36.261	18	33.1	23.56	16	33.1	K0 J	12B	3099	A -18 1928
53		9.2A	34 36.994	0.0019	21	-15 19 46.88	-0.006	15	0.35	36.961	18	33.1	46.78	16	33.1	A2 J	12A	2816	A -15 1932
54		9.0A	34 40.358	0.0014	18	-11 16 46.02	0.018	20	0.36	40.333	18	33.1	46.32	16	33.1	F8 J	11	2745	A -11 2022
55		9.1A	34 41.004	-0.0011	17	-18 40 18.76	-0.015	12	0.30	41.022	18	33.1	18.50	16	33.1	F8 J	12B	3100	A -18 1929
56		9.0A	34 41.516	-0.0014	15	-13 7 17.52	0.020	17	0.32	41.540	18	33.1	17.85	16	33.1	B8 J	11	2746	A -12 2055
57		8.9A	34 44.487	0.0013	15	-10 40 0.24	-0.064	17	0.32	44.465	18	33.1	59.15	16	33.1	K2 J	11	2747	A -10 2130
58		7.7A	34 50.323	-0.0013	21	-14 12 41.06	-0.004	15	0.35	50.345	18	33.1	41.00	16	33.1	K5 J	12A	2817	A -14 2039
59		9.3A	34 50.586	-0.0005	18	-16 25 50.92	0.001	13	0.32	50.593	18	33.1	50.94	16	33.1	M0 J	12A	2818	A -16 2047
60		8.7A	34 51.391	-0.0048	17	-11 20 43.70	0.009	18	0.34	51.471	18	33.1	43.85	16	33.1	F8 J	11	2748	A -11 2025
61		8.9A	34 54.101	-0.0010	15	-19 52 39.07	-0.007	11	0.28	54.118	18	33.1	38.96	16	33.1	K0 J	12B	3104	A -19 1974
62		9.2A	35 9.215	0.0030	21	-15 56 17.91	0.004	15	0.35	9.164	18	33.1	17.98	16	33.1	K5 J	12A	2819	A -15 1939
63		8.7A	35 9.747	-0.0011	17	-18 21 8.97	-0.030	13	0.31	9.766	18	33.1	8.46	16	33.1	K5 J	12B	3109	A -18 1932
64		9.0A	35 11.034	0.0010	21	-15 57 29.85	0.031	15	0.35	11.018	18	33.1	30.38	16	33.1	A3 J	12A	2820	A -15 1940
65		9.0A	35 13.571	-0.0004	20	-13 11 35.36	-0.019	20	0.37	13.578	18	33.1	35.04	16	33.1	K0 J	11	2751	A -12 2058
66		9.2A	35 13.695	0.0057	21	-16 22 6.26	0.022	15	0.35	13.598	18	33.1	6.64	16	33.1	G0 J	12A	2822	A -16 2050
67		8.8A	35 16.532	0.0005	21	-15 34 4.06	-0.026	15	0.35	16.523	18	33.1	3.62	16	33.1	B5 J	12A	2823	A -15 1941
68		9.0A	35 18.135	-0.0021	18	-12 50 27.14	-0.017	20	0.36	18.171	18	33.1	26.85	16	33.1	A0 J	11	2752	A -12 2060
69		9.3A	35 18.196	-0.0015	18	-15 28 58.62	-0.017	13	0.32	18.221	18	33.1	58.34	16	33.1	A0 J	12A	2825	A -15 1942
70		8.5A	35 19.053	0.0017	17	-14 18 36.64	-0.034	12	0.30	19.024	18	33.1	36.07	16	33.1	B9 J	12A	2824	A -14 2052
71		9.5A	35 20.671	0.0005	13	-13 55 13.32	-0.015	15	0.30	20.663	18	33.1	13.07	16	33.1	A0 J	11	2754	
72		6.4T	35 20.778	0.0005	13	-14 19 37.69	-0.008	11	0.67	20.753	24	99.6	37.25	19	94.6	B9	GC	10242	-14 2053
73		8.4A	35 23.308	0.0029	21	-16 18 12.96	-0.047	15	0.35	23.260	18	33.1	12.17	16	33.1	K2 J	12A	2827	A -16 2052
74		8.3A	35 25.656	0.0002	15	-13 19 3.46	-0.021	17	0.32	25.652	18	33.1	3.10	16	33.1	K2 J	11	2756	A -13 2135
75		9.2A	35 32.904	-0.0017	21	-17 18 23.96	-0.005	15	0.35	32.932	18	33.1	23.88	16	33.1	B9 J	12A	2829	A -17 2063
76		9.2A	35 35.026	-0.0019	15	-15 25 32.55	0.026	13	0.30	35.058	18	33.1	32.99	16	33.1	F0 J	12A	2828	A -15 1945
77		9.0A	35 36.752	0.0022	18	-13 42 6.86	0.027	20	0.36	36.714	18	33.1	7.32	16	33.1	K2 J	11	2757	A -13 2138
78		8.9A	35 48.186	-0.0004	13	-13 11 48.34	0.008	15	0.30	48.193	18	33.1	48.47	16	33.1	F5 J	11	2759	A -12 2066
79		7.9A	35 49.481	-0.0022	15	-10 29 55.69	-0.017	17	0.32	49.517	18	33.1	55.39	16	33.1	K5 J	11	2758	A -10 2137
80		8.1A	35 52.478	0.0021	21	-15 55 48.51	0.035	15	0.35	52.442	18	33.1	49.11	16	33.1	K0 J	12A	2830	A -15 1950
81		9.6A	35 55.769	-0.0048	21	-15 20 36.83	-0.018	15	0.35	55.851	18	33.1	36.53	16	33.1	K5 J	12A	2831	A -15 1951
82		9.2A	35 56.189	-0.0001	21	-17 14 6.61	0.005	15	0.35	56.191	18	33.1	6.70	16	33.1	B9 J	12A	2832	A -17 2068
83		8.6A	35 57.319	-0.0002	15	-13 44 10.11	-0.021	17	0.32	57.322	18	33.1	9.76	16	33.1	B2 J	11	2760	A -13 2143
84		8.5A	36 16.842	0.0015	15	-12 9 4.29	-0.006	17	0.32	16.816	18	33.1	4.39	16	33.1	A5 J	11	2761	A -11 2034
85		9.2A	36 17.487	-0.0015	21	-14 52 19.37	-0.013	15	0.35	17.513	18	33.1	19.14	16	33.1	A0 J	12A	2833	A -14 2061
86		8.5A	36 22.511	-0.0018	15	-10 25 52.43	-0.016	17	0.32	22.542	18	33.1	52.15	16	33.1	B9 J	11	2762	A -10 2141
87		9.1A	36 31.933	0.0018	17	-16 15 56.33	0.074	12	0.30	31.904	18	33.1	57.59	16	33.1		12A	2835	A -16 2062
88		8.4A	36 32.121	0.0008	21	-14 58 6.23	-0.026	15	0.35	32.107	18	33.1	5.78	16	33.1	K2 J	12A	2834	A -14 2065
89		9.0A	36 37.363	-0.0014	21	-14 13 46.16	0.007	15	0.35	37.387	18	33.1	46.28	16	33.1	A0 J	12A	2836	A -14 2066
90		8.7A	36 38.896	0.0000	21	-14 15 31.56	0.008	15	0.35	38.896	18	33.1	31.70	16	33.1	B9 J	12A	2837	A -14 2067
91		8.9A	36 39.823	-0.0007	17	-16 18 53.10	-0.026	12	0.30	39.835	18	33.1	52.66	16	33.1	A0 J	12A	2838	A -16 2063
92		8.4A	36 42.334	-0.0010	18	-13 35 14.65	-0.027	20	0.36	42.350	18	33.1	14.20	16	33.1	B9 J	11	2766	A -13 2146
93		8.8A	36 44.260	-0.0014	15	-11 43 2.78	0.020	17	0.32	44.283	18	33.1	3.11	16	33.1	F0 J	11	2765	A -11 2037
94		9.0A	36 44.955	-0.0016	15	-19 55 55.65	-0.014	12	0.29	44.983	18	33.1	55.41	16	33.1	K5 J	12B	3117	A -19 1992
95		6.4T	36 53.890	-0.0019	18	-18 33 48.45	-0.029	17	0.91	53.981	24	00.7	46.95	22	99.0	B9	GC	10290	-18 1946
96		8.9A	36 56.102	-0.0017	21	-15 26 28.65	-0.017	15	0.35	56.131	18	33.1	28.37	16	33.1	A3 J	12A	2839	A -15 1958
97		8.5A	36 56.722	-0.0011	12	-10 4 48.86	-0.016	12	0.25	56.739	16	33.5	48.59	16	33.5	A0	16	2788	A -9 2157
98		9.2A	37 0.435	0.0005	17	-18 0 56.32	-0.020	12	0.30	0.428	18	33.1	55.98	16	33.1	A3 J	12A	2841	A -17 2077
99		8.6A	37 2.471	-0.0015	21	-16 12 7.15	0.004	15	0.35	2.497	18	33.1	7.22	16	33.1	K0 J	12A	2840	A -15 1961
00		7.7A	37 5.867	-0.0007	18	-11 26 54.27	-0.005	20	0.36	5.879	18	33.1	54.18	16	33.1	B8 J	11	2768	A -11 2039

153200 — -10° 7H

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	EPOCH 1950 μ_α s	EPOCH 1950 σ_{μ_α} ″.001	EPOCH 1950 δ_{1950} ° ′ ″	EPOCH 1950 μ_δ ″	EPOCH 1950 σ_{μ_δ} ″.001	EPOCH 1950 σ_{1950} ″	ORIGINAL EPOCH α_2 s	ORIGINAL EPOCH σ ″.01	ORIGINAL EPOCH ep.	ORIGINAL EPOCH δ_2 ″	ORIGINAL EPOCH σ' ″.01	ORIGINAL EPOCH ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	DM NUMBER
1		8.4A	7 37 5.932	-0.0014	21	-15 10 25.84	-0.093	15	0.35	5.955	18	33.1	24.27	16	33.1	F8 J	12A	2842	A -14 2073
2		9.3A	37 6.357	-0.0002	21	-15 47 26.17	0.007	15	0.35	6.359	18	33.1	26.29	16	33.1	K2 J	12A	2843	A -15 1962
3		9.1A	37 8.340	-0.0022	17	-18 7 51.70	0.002	13	0.31	8.378	18	33.1	51.74	16	33.1	B9 J	12B	3123	A -17 2078
4		6.5T	37 8.841	0.0004	18	-16 43 52.68	-0.013	17	0.86	8.821	24	33.7	52.06	22	01.7	K2	GC	10295	-16 2069
5		9.0A	37 14.644	-0.0019	18	-11 18 45.88	-0.008	20	0.36	14.676	18	33.1	45.74	16	33.1	K5 J	11	2769	A -11 2041
6		8.0A	37 16.709	-0.0015	18	-13 46 10.42	0.010	20	0.36	16.734	18	33.1	10.59	16	33.1	K5 J	11	2770	A -13 2157
7		8.7A	37 18.738	-0.0034	18	-15 54 39.84	0.038	13	0.32	18.796	18	33.1	40.49	16	33.1	F5 J	12A	2848	A -15 1965
8		9.2A	37 20.415	0.0010	17	-12 51 9.30	-0.006	18	0.34	20.397	18	33.1	9.19	16	33.1	A2 J	11	2772	A -12 2078
9		7.9A	37 23.659	-0.0005	17	-17 45 19.24	-0.011	11	0.29	23.668	18	33.1	19.06	16	33.1	A0 J	12A	2849	A -17 2081
10		8.5A	37 25.541	-0.0030	15	-12 23 40.06	-0.166	17	0.32	25.592	18	33.1	37.24	16	33.1	G0 J	11	2772	A -12 2079
11		7.8A	37 26.666	-0.0004	21	-15 42 42.31	-0.005	15	0.35	26.673	18	33.1	42.23	16	33.1	K5 J	12A	2850	A -15 1966
12		9.0A	37 33.372	-0.0007	21	-14 6 49.47	-0.009	15	0.35	33.384	18	33.1	49.32	16	33.1	A0 J	12A	2851	A -13 2160
13		9.2A	37 34.225	-0.0007	21	-17 47 29.22	-0.018	15	0.35	34.237	18	33.1	28.92	16	33.1	G0 J	12A	2852	A -17 2083
14		8.9A	37 36.469	0.0013	15	-12 5 13.66	0.005	15	0.30	36.447	18	33.1	13.74	16	33.1	F5 J	11	2774	A -11 2047
15		8.9A	37 41.366	-0.0010	17	-19 32 22.22	0.007	13	0.31	41.383	18	33.1	22.34	16	33.1	F0 J	12B	3125	A -19 1999
16		9.0A	37 45.628	-0.0011	20	-18 56 35.98	-0.008	15	0.34	45.647	18	33.1	35.84	16	33.1	K5 J	12B	3127	A -18 1952
17		8.7A	37 49.087	0.0026	17	-11 43 43.42	-0.008	17	0.33	49.044	18	33.1	43.28	16	33.1	K0 J	11	2775	A -11 2050
18		8.6A	37 49.944	0.0001	21	-17 21 0.43	-0.001	15	0.35	49.943	18	33.1	0.41	16	33.1	M3 J	12A	2853	A -17 2089
19		8.6A	37 51.214	-0.0019	21	-16 26 32.92	-0.008	15	0.35	51.245	18	33.1	32.79	16	33.1	F5 J	12A	2854	A -16 2074
20		8.5A	37 53.012	-0.0007	15	-11 57 50.13	-0.046	17	0.32	53.024	18	33.1	49.35	16	33.1	B9 J	11	2776	A -11 2052
21		9.0A	37 53.365	-0.0011	21	-17 3 29.89	-0.004	15	0.35	53.384	18	33.1	29.82	16	33.1	G5 J	12A	2855	A -16 2076
22		9.0A	37 54.045	-0.0018	15	-12 49 37.54	-0.010	17	0.32	54.075	18	33.1	37.36	16	33.1	A0 J	12A	2777K	A -12 2083
23		9.4A	37 58.609	-0.0011	21	-15 45 30.24	-0.022	15	0.35	58.627	18	33.1	29.87	16	33.1	F5 J	12A	2856	A -15 1969
24		6.6T	37 59.914	0.0001	15	-11 38 7.24	-0.001	14	0.69	59.909	21	05.7	7.19	21	04.6	K2	GC	10320	-11 2054
25		6.1T	38 1.453	0.0001	14	-19 32 39.82	0.008	12	0.64	1.447	21	05.2	40.22	19	01.2	K0	GC	10322K	-19 2003
26		8.9A	38 5.169	0.0023	18	-11 45 21.23	0.023	20	0.36	5.130	18	33.1	21.61	16	33.1	F2 J	11	2780	A -11 2056
27		5.1T	38 5.943	-0.0011	07	-15 8 47.73	-0.026	06	0.30	5.991	12	08.1	46.51	12	03.2	K0	GC	10328	B#-14 2082
28		9.0A	38 6.122	-0.0022	13	-18 26 28.85	-0.012	09	0.26	6.159	18	33.1	28.65	16	33.1	K5 J	12B	3131	A -18 1957
29		8.6A	38 8.639	-0.0014	17	-18 42 51.69	-0.040	13	0.31	8.662	18	33.1	51.01	16	33.1	K0 J	12B	3132	A -18 1958
30		9.3A	38 12.844	-0.0014	17	-17 50 21.43	-0.026	11	0.29	12.867	18	33.1	20.99	16	33.1	A2 J	12A	2860	A -17 2092
31		9.4A	38 12.972	0.0005	21	-17 45 10.13	-0.022	15	0.35	12.963	18	33.1	9.76	16	33.1	B9 J	12A	2859	A -17 2091
32		9.0A	38 15.045	0.0009	18	-14 31 38.51	-0.038	13	0.32	15.030	18	33.1	37.86	16	33.1	A2 J	12A	2858	A -14 2084
33		9.0A	38 16.878	-0.0032	18	-12 14 41.32	-0.042	20	0.36	16.933	18	33.1	40.60	16	33.1	G5 J	11	2781	A -12 2085
34		8.5A	38 17.197	-0.0012	15	-13 12 17.74	-0.005	17	0.32	17.218	18	33.1	17.65	16	33.1	B8 J	11	2782	A -12 2087
35		9.1A	38 19.787	-0.0025	18	-14 1 30.58	0.052	20	0.36	19.830	18	33.1	31.46	16	33.1	K J	11	2783	A -13 2162
36		8.9A	38 23.880	-0.0020	17	-15 9 48.01	-0.040	12	0.30	23.913	18	33.1	47.33	16	33.1	M1 J	12A	2861	A -14 2086
37		9.1A	38 25.205	-0.0013	21	-14 6 55.97	-0.004	15	0.35	25.227	18	33.1	55.91	16	33.1	A J	12A	2862	A -13 2163
38		9.4A	38 28.431	-0.0005	17	-14 23 46.26	-0.015	11	0.29	28.440	18	33.1	46.01	16	33.1	A0 J	12A	2863	A -14 2089
39		9.0A	38 42.105	0.0019	21	-16 23 32.60	0.007	15	0.35	42.073	18	33.1	32.72	16	33.1	G J	12A	2864	A -16 2079
40		8.9A	38 44.163	-0.0001	18	-11 24 19.06	0.004	20	0.36	44.165	18	33.1	19.12	16	33.1	M2 J	11	2785	A -11 2058
41		8.6A	38 46.272	-0.0013	21	-14 55 59.15	-0.000	15	0.35	46.293	18	33.1	59.14	16	33.1	F2 J	12A	2865	A -14 2099
42		9.3A	38 47.836	0.0012	21	-15 45 9.98	-0.006	15	0.35	47.815	18	33.1	9.88	16	33.1	K2 J	12A	2867	A -15 1974
43		8.6A	38 48.931	0.0007	13	-10 16 56.52	-0.018	13	0.27	48.919	16	33.5	56.22	16	33.5	G5	16	2802	A -10 2159
44		9.2A	38 50.613	0.0001	21	-14 44 24.13	-0.010	15	0.35	50.612	18	33.1	23.95	16	33.1	B9 J	12A	2868	A -14 2102
45		9.2A	38 51.445	-0.0001	21	-14 23 36.44	-0.012	15	0.35	51.446	18	33.1	36.24	16	33.1	K7 J	12A	2869	A -14 2101
46		8.2A	38 54.863	-0.0020	21	-17 1 38.14	-0.002	15	0.35	54.897	18	33.1	38.11	16	33.1	B8 J	12A	2870	A -16 2081
47		9.2A	38 55.582	0.0015	21	-18 0 39.13	-0.020	15	0.35	55.557	18	33.1	38.79	16	33.1	K2 J	12A	2871	A -17 2098
48		8.7A	38 58.518	-0.0014	15	-19 4 33.66	0.020	09	0.27	58.541	18	33.1	33.99	16	33.1	B9 J	12B	3143	A -18 1965
49		8.7A	39 0.929	-0.0001	17	-18 52 34.39	-0.012	13	0.31	0.930	18	33.1	34.18	16	33.1	B9 J	12B	3144	A -18 1967
50		8.9A	39 5.116	-0.0010	18	-14 42 6.58	0.004	13	0.32	5.132	18	33.1	6.64	16	33.1	A0 J	12A	2872	A -14 2112
51		9.0A	7 39 8.445	0.0005	17	-10 36 7.58	0.021	18	0.34	8.436	18	33.1	7.93	16	33.1	G0 J	11	2787	A -10 2162
52		8.8A	39 10.887	-0.0026	17	-19 2 45.81	0.004	13	0.31	10.931	18	33.1	45.87	16	33.1	B5 J	12B	3149	A -18 1968
53		9.1A	39 12.878	-0.0005	21	-15 45 9.71	0.024	15	0.35	12.886	18	33.1	10.12	16	33.1	A0 J	12A	2873	A -15 1978
54		8.9A	39 17.013	-0.0043	18	-11 14 43.90	-0.012	20	0.36	17.085	18	33.1	43.69	16	33.1	G5 J	11	2788	A -11 2063
55		8.3A	39 19.783	0.0012	20	-10 40 14.22	-0.014	21	0.38	19.762	18	33.1	13.98	16	33.1	K0 J	11	2789	A -10 2165
56		8.8A	39 20.375	-0.0002	18	-16 10 47.44	0.003	13	0.32	20.378	18	33.1	47.49	16	33.1	F5 J	12A	2874	A -15 1981
57		8.8A	39 21.564	-0.0036	18	-13 39 52.39	-0.016	20	0.36	21.624	18	33.1	52.12	16	33.1	G5 J	11	2791	A -13 2169
58		8.7A	39 23.981	-0.0002	17	-11 8 14.80	0.002	18	0.34	23.984	18	33.1	14.83	16	33.1	K0 J	11	2790	A -10 2166
59		9.1A	39 26.765	0.0015	15	-13 16 30.71	0.050	17	0.32	26.740	18	33.1	31.55	16	33.1	F2 J	11	2793	A -13 2170
60		9.0A	39 31.908	-0.0005	17	-10 37 9.35	-0.034	18	0.34	31.916	18	33.1	8.78	16	33.1	A0 J	11	2794	A -10 2168
61		8.7A	39 32.409	-0.0006	15	-13 37 50.55	-0.038	17	0.32	32.419	18	33.1	49.91	16	33.1	K5 J	11	2795	A -13 2173
62		9.0A	39 33.968	-0.0009	18	-14 52 24.50	-0.008	13	0.32	33.983	18	33.1	24.36	16	33.1	A0 J	12A	2875	A -14 2134
63		8.8A	39 40.094	-0.0041	21	-14 17 19.29	-0.030	15	0.35	40.162	18	33.1	18.79	16	33.1	G5 J	12A	2876	A -14 2138
64		7.9A	39 40.930	-0.0023	15	-11 44 5.70	0.041	17	0.32	40.968	18	33.1	6.39	16	33.1	G5 J	11	2796	A -11 2066
65		9.0A	39 41.483	0.0016	20	-18 16 44.67	-0.034	15	0.34	41.456	18	33.1	44.10	16	33.1	F8 J	12B	3154	A -18 1969
66		8.9A	39 46.368	-0.0008	15	-11 10 48.14	-0.000	17	0.32	46.381	18	33.1	48.13	16	33.1	K7 J	11	2798	A -10 2170
67		9.0A	39 48.429	0.0012	17	-12 45 52.37	-0.012	18	0.34	48.409	18	33.1	52.16	16	33.1	G0 J	11	2799	A -12 2095
68		8.4A	39 49.468	-0.0021	17	-13 9 31.09	-0.044	18	0.34	49.504	18	33.1	30.34	16	33.1	K2 J	11	2801	A -12 2096
69		8.7A	39 51.634	-0.0000	20	-11 13 50.69	0.005	20	0.37	51.634	18	33.1	50.77	16	33.1	B9 J	11	2800	A -11 2067
70		9.4A	39 53.428	-0.0001	21	-17 12 1.94	-0.001	15	0.35	53.429	18	33.1	1.92	16	33.1	A2 J	12A	2878	A -16 2087
71		8.7A	39 53.895	-0.0008	13	-18 5 24.30	-0.027	09	0.26	53.909	18	33.1	23.84	16	33.1	K5 J	12B	3157	A -17 2106
72		8.7A	39 55.052	-0.0017	15	-19 6 14.17	0.015	11	0.28	55.080	18	33.1	14.42	16	33.1	A0 J	12B	3158	A -18 1974
73		8.7A	39 55.297	-0.0003	17	-10 45 38.91	-0.007	18	0.34	55.302	18	33.1	38.78	16	33.1	PEC J	11	2802	A -10 2171
74		8.7A	39 55.901	0.0008	18	-14 1 28.16	-0.051	20	0.36	55.887	18	33.1	27.30	16	33.1	K0 J	11	2804	A -13 2177
75		8.6A	39 58.350	-0.0001	21	-16 59 44.13	-0.032	15	0.35	58.351	18	33.1	43.59	16	33.1	K0 J	12A	2880	A -16 2089
76		8.7A	39 59.148	-0.0005	18	-10 49 16.74	-0.013	20	0.36	59.157	18	33.1	16.51	16	33.1	K0 J	11	2803	A -10 2172
77		8.9A	40 2.538	-0.0006	21	-15 40 17.19	-0.001	15	0.35	2.548	18	33.1	17.18	16	33.1	A0 J	12A	2881	A -15 1986
78		8.5A	40 6.024	0.0029	15	-13 43 45.34	-0.049	17	0.32	5.975	18	33.1	44.51	16	33.1	A0 J	11	2805	A -13 2180
79		8.8A	40 7.874	0.0002	17	-16 12 53.91	0.010	12	0.30	7.870	18	33.1	54.08	16	33.1	M2 J	12A	2883	A -15 1989
80		8.1A	40 7.924	-0.0001	20	-18 59 14.05	-0.037	15	0.34	7.927	18	33.1	13.42	16	33.1	F5 J	12B	3161	A -18 1976
81		9.3A	40 9.793	0.0004	15	-15 40 30.27	-0.024	15	0.30	9.787	18	33.1	29.87	16	33.1	F5 J	12A	2885	A -15 1990
82		9.0A	40 10.408	-0.0023	21	-16 9 51.14	-0.016	15	0.35	10.448	18	33.1	50.87	16	33.1	G5 J	12A	2886	A -15 1991
83		8.5A	40 14.061	0.0008	20	-12 4 27.89	0.037	20	0.37	14.047	18	33.1	28.52	16	33.1	K5 J	11	2807	A -11 2071
84		8.1A	40 15.659	-0.0011	18	-15 50 2.94	0.010	13	0.32	15.677	18	33.1	3.11	16	33.1	K0 J	12A	2887	A -15 1992
85		8.7A	40 17.227	-0.0010	17	-19 18 0.01	0.038	13	0.31	17.243	18	33.1	0.65	16	33.1	K5 J	12B	3162	A -19 2018
86		8.3A	40 17.858	0.0003	18	-12 51 18.30	-0.011	20	0.36	17.853	18	33.1	18.11	16	33.1	K5 J	11	2808	A -12 2098
87		8.6A	40 18.669	-0.0004	21	-14 10 43.42	0.006	15	0.35	18.675	18	33.1	43.53	16	33.1	A2 J	12A	2888	A -13 2182
88		7.2T	40 20.433	-0.0018	22	-15 57 0.35	0.015	18	0.89	20.505	22	08.9	1.01	19	06.2	K0	GC	10368	-15 1987
89		8.6A	40 23.430	-0.0027	21	-14 13 58.36	-0.015	15	0.35	23.475	18	33.1	58.11	16	33.1	A5 J	12A	2889	A -14 2158
90		9.4A	40 25.350	-0.0006	21	-16 31 34.20	-0.004	15	0.35	25.360	18	33.1	34.13	16	33.1	A2 J	12A	2890	A -16 2092
91		8.6A	40 30.980	-0.0017	18	-14 44 31.69	-0.023	17	0.34	31.009	18	33.1	31.30	16	33.1	A2 J	12A	2891	A -14 2166
92		8.5A	40 31.088	-0.0006	17	-12 32 54.48	0.015	18	0.34	31.098	18	33.1	54.73	16	33.1	A0 J	11	2811	A -12 2100
93		9.4A	40 32.114	0.0022	21	-17 16 52.43	-0.012	15	0.35	32.077	18	33.1	52.23	16	33.1	M0 J	12A	2893	A -17 2110
94		9.0A	40 33.554	0.0009	18	-10 46 46.82	-0.009	20	0.36	33.539	18	33.1	46.66	16	33.1	G5 J	11	2812	A -10 2175
95		8.8A	40 34.824	-0.0015	21	-14 10 23.21	0.010	15	0.35	34.849	18	33.1	23.38	16	33.1	K0 J	12A	2892	A -13 2183
96		9.0A	40 36.703	0.0007	21	-17 34 31.66	0.005	15	0.35	36.691	18	33.1	31.75	16	33.1	G0 J	12A	2895	A -17 2113
97		9.0A	40 37.560	0.0004	18	-18 17 37.36	-0.007	13	0.32	37.553	18	33.1	37.24	16	33.1	A2 J	12B	3165	A -18 1981
98		9.2A	40 38.146	0.0005	17	-18 33 27.40	-0.000	12	0.30	38.137	18	33.1	27.40	16	33.1	A0 J	12B	3166	A -18 1982
99		8.9A	40 38.361	0.0008	18	-12 47 20.96	-0.002	20	0.36	38.347	18	33.1	20.93	16	33.1	A2 J	11	2814	A -12 2101
100		8.7A	40 38.390	-0.0057	18	-14 52 53.63	-0.057	13	0.32	38.486	18	33.1	52.66	16	33.1	G0 J	12A	2894	A -14 2171

153300

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	CAT.	STAR NUMBER	SOURCE
1		6.6T	7 40 43.650	-0.0013	18	-16 56 33.84	0.010	17	0.88	43.710	26	02.6	34.34	22	00.7	G5	GC	10384K	B*-16 2093
2		8.9A	40 44.724	-0.0005	15	-10 39 17.44	-0.030	15	0.30	44.732	18	33.1	16.93	16	33.1	K0 J	11	2815	A -10 2177
3		8.7A	40 52.093	0.0024	20	-14 2 53.88	0.036	20	0.37	52.052	18	33.1	54.49	16	33.1	A2 J	11	2816	A -13 2187
4		8.9A	40 54.432	0.0000	17	-12 16 50.62	-0.029	18	0.34	54.432	18	33.1	50.13	16	33.1	A0 J	11	2817	A -12 2104
5		8.9A	40 56.159	-0.0004	17	-13 52 56.42	0.027	18	0.34	56.166	18	33.1	56.88	16	33.1	A0 J	11	2818	A -13 2189
6		8.7A	40 59.824	0.0001	21	-14 42 46.34	0.002	15	0.35	59.822	18	33.1	46.37	16	33.1	A3 J	12A	2898	A -14 2178
7		8.9A	41 2.011	0.0024	21	-17 9 21.07	0.020	15	0.35	1.971	18	33.1	21.41	16	33.1	M1 J	12A	2899	A -16 2097
8		9.3A	41 3.960	-0.0003	15	-12 9 5.89	0.006	17	0.32	3.966	18	33.1	5.98	16	33.1	M0 J	11	2819	A -11 2075
9		8.1A	41 12.281	-0.0011	12	-10 1 18.00	-0.032	12	0.25	12.298	16	33.5	17.47	16	33.5	K2	16	2827	A -9 2191
10		9.0A	41 17.560	-0.0030	21	-14 21 43.14	-0.029	15	0.35	17.610	18	33.1	42.65	16	33.1	K7 J	12A	2900	A -14 2181
11		8.5A	41 20.837	-0.0007	15	-12 39 2.90	0.026	17	0.32	20.849	18	33.1	3.33	16	33.1	G0 J	11	2821	A -12 2111
12		8.4A	41 23.665	0.0000	21	-17 26 35.53	0.010	15	0.35	23.665	18	33.1	35.70	16	33.1	B9 J	12A	2901	A -17 2118
13		8.6A	41 27.549	-0.0016	21	-14 4 40.13	-0.005	15	0.35	27.577	18	33.1	40.05	16	33.1	G0 J	12A	2902	A -13 2194
14		8.7A	41 29.008	-0.0006	15	-19 47 54.59	-0.007	11	0.28	29.019	18	33.1	54.48	16	33.1	K0 J	12B	3178	A -19 2031
15		8.9A	41 31.037	0.0001	21	-17 49 32.10	0.006	15	0.35	31.035	18	33.1	32.20	16	33.1	B3 J	12A	2903	A -17 2120
16		8.6A	41 31.128	-0.0001	17	-10 39 10.94	0.043	18	0.34	31.129	18	33.1	11.66	16	33.1	K5 J	11	2822	A -10 2186
17		9.0A	41 33.211	0.0005	15	-10 57 9.40	-0.000	15	0.30	33.202	18	33.1	9.39	16	33.1	F2 J	11	2824	A -10 2187
18		9.0A	41 34.502	-0.0022	18	-16 8 28.88	-0.004	13	0.32	34.540	18	33.1	28.82	16	33.1	A3 J	12A	2904	A -15 2004
19		8.5A	41 39.206	-0.0019	21	-16 3 26.45	0.004	15	0.35	39.238	18	33.1	26.52	16	33.1	B9 J	12A	2905	A -15 2006
20		8.6A	41 39.409	0.0004	17	-18 48 18.90	-0.102	13	0.31	39.402	18	33.1	17.17	16	33.1	G5 J	12B	3181	A -18 1989
21		8.3A	41 39.656	0.0044	17	-11 11 41.23	-0.121	18	0.34	39.582	18	33.1	39.17	16	33.1	G5 J	11	2825	A -10 2190
22		8.8A	41 44.906	-0.0022	17	-18 29 3.98	-0.016	13	0.31	44.943	18	33.1	3.71	16	33.1	A0 J	12B	3182	A -18 1993
23		9.1A	41 49.988	-0.0022	15	-10 37 0.91	-0.019	17	0.32	50.026	18	33.1	0.58	16	33.1	A0 J	11	2826	A -10 2191
24		8.7A	41 50.627	0.0010	21	-16 48 42.52	0.003	15	0.35	50.610	18	33.1	42.57	16	33.1	B5 J	12A	2907K	A -16 2101
25		9.4A	41 51.014	-0.0022	18	-16 10 44.59	-0.004	13	0.32	51.052	18	33.1	44.53	16	33.1	A2 J	12A	2906	A -15 2007
26		9.2A	41 54.191	-0.0033	21	-16 6 46.37	-0.001	15	0.35	54.247	18	33.1	46.36	16	33.1	A2 J	12A	2908	A -15 2008
27		8.3A	42 1.164	0.0002	15	-13 31 33.68	0.017	17	0.32	1.160	18	33.1	33.97	16	33.1	M0 J	11	2828	A -13 2197
28		8.6A	42 1.331	0.0004	21	-17 44 33.77	0.001	15	0.35	1.325	18	33.1	33.79	16	33.1	A0 J	12A	2909	A -17 2126
29		9.0A	42 2.712	-0.0013	17	-19 44 6.89	-0.002	13	0.31	2.735	18	33.1	6.85	16	33.1	A2 J	12B	3184	A -19 2036
30		9.0A	42 3.782	-0.0006	12	-10 8 56.95	-0.037	12	0.25	3.792	16	33.5	56.33	16	33.5	A5	16	2834	A -9 2200
31		8.6A	42 13.104	-0.0008	17	-12 11 32.51	0.001	18	0.34	13.118	18	33.1	32.53	16	33.1	A2 J	11	2829K	A -11 2086
32		9.7A	42 13.516	0.0014	17	-14 1 11.53	-0.036	18	0.34	13.491	18	33.1	10.92	16	33.1	F0 J	11	2830	A -13 2199
33		8.5A	42 18.748	0.0003	21	-15 51 7.11	0.015	15	0.35	18.742	18	33.1	7.37	16	33.1	K5 J	12A	2910	A -15 2010
34		9.0A	42 19.881	-0.0016	18	-19 8 21.50	-0.004	13	0.32	19.909	18	33.1	21.43	16	33.1	A2 J	12B	3186	A -18 1999
35		8.4A	42 21.527	-0.0021	18	-17 10 9.39	-0.023	13	0.32	21.563	18	33.1	9.00	16	33.1	F5 J	12A	2911	A -16 2105
36		8.8A	42 25.337	0.0013	17	-14 0 24.96	-0.019	18	0.34	25.315	18	33.1	24.64	16	33.1	F8 J	11	2831	A -13 2202
37		8.2A	42 28.561	0.0002	17	-17 34 19.07	-0.001	12	0.30	28.557	18	33.1	19.05	16	33.1	K1 J	12A	2913	A -17 2130
38		8.2A	42 30.439	-0.0055	18	-14 57 49.69	0.032	13	0.32	30.533	18	33.1	50.23	16	33.1	F2 J	12A	2912	A -14 2190
39		9.0A	42 34.169	-0.0029	15	-13 1 24.79	-0.039	17	0.32	34.218	18	33.1	24.12	16	33.1	G0 J	11	2833	A -12 2121
40		8.9A	42 34.651	0.0003	13	-10 38 36.83	-0.039	15	0.30	34.645	18	33.1	36.16	16	33.1	A0 J	11	2832	A -10 2196
41		8.4A	42 36.315	-0.0011	21	-16 0 1.58	0.007	15	0.35	36.334	18	33.1	1.70	16	33.1	B5 J	12A	2914	A -15 2014
42		8.5A	42 36.909	-0.0013	17	-13 34 23.37	-0.002	18	0.34	36.931	18	33.1	23.34	16	33.1	A0 J	11	2834	A -13 2204
43		9.0A	42 41.614	0.0015	21	-16 46 50.82	0.019	15	0.35	41.588	18	33.1	51.14	16	33.1	K2 J	12A	2916	A -16 2107
44		8.2A	42 41.949	0.0003	15	-11 38 32.60	-0.001	17	0.32	41.945	18	33.1	32.58	16	33.1	B8 J	11	2835	A -11 2088
45		8.7A	42 42.883	-0.0006	18	-16 11 6.88	-0.004	13	0.32	42.893	18	33.1	6.82	16	33.1	A0 J	12A	2917	A -15 2017
46		8.8A	42 45.306	0.0018	18	-17 36 14.30	-0.016	13	0.32	45.276	18	33.1	14.03	16	33.1	M4 J	12A	2918	A -17 2133
47		8.8A	42 46.354	-0.0023	12	-10 9 49.19	-0.017	12	0.25	46.391	16	33.5	48.90	16	33.5	A5	16	2842	A -9 2205
48		8.8A	42 47.566	-0.0015	17	-12 9 10.55	0.028	18	0.34	47.591	18	33.1	11.02	16	33.1	F5 J	11	2837	A -11 2089
49		8.7A	42 48.397	0.0026	18	-19 33 26.71	-0.002	13	0.32	48.354	18	33.1	26.68	16	33.1	K0 J	12B	3190	A -19 2042
50		8.4A	42 51.330	-0.0019	17	-10 42 3.41	-0.003	18	0.34	51.362	18	33.1	3.35	16	33.1	F5 J	11	2838	A -10 2198
51		8.6A	7 42 55.109	-0.0003	15	-10 44 44.65	-0.018	17	0.32	55.113	18	33.1	44.35	16	33.1	K5 J	11	2839	A -10 2201
52		9.0A	42 55.176	-0.0007	17	-12 26 14.00	-0.013	17	0.33	55.187	18	33.1	13.78	16	33.1	A0 J	11	2840	A -12 2123
53		8.9A	43 2.342	0.0002	17	-12 18 41.12	0.003	18	0.34	2.340	18	33.1	41.17	16	33.1	G5 J	11	2841	A -12 2125
54		9.0A	43 3.489	-0.0004	21	-17 54 46.25	0.000	15	0.35	3.496	18	33.1	46.25	16	33.1	A0 J	12A	2920	A -17 2137
55		8.6A	43 3.574	-0.0005	21	-14 12 57.25	-0.013	15	0.35	3.582	18	33.1	57.04	16	33.1	A2 J	12A	2919	A -13 2207
56		9.1A	43 4.033	-0.0010	17	-18 6 6.98	-0.019	13	0.31	4.051	18	33.1	6.66	16	33.1	B9 J	12B	3192	A -17 2138
57		8.8A	43 5.036	-0.0014	17	-18 34 28.64	-0.005	13	0.31	5.060	18	33.1	28.55	16	33.1	A2 J	12B	3195	A -18 2003
58		9.0A	43 5.640	-0.0019	21	-16 1 37.49	0.009	15	0.35	5.672	18	33.1	37.65	16	33.1	F2 J	12A	2921	A -15 2021
59		8.5A	43 6.164	0.0005	12	-10 2 18.14	-0.001	12	0.25	6.155	16	33.5	18.12	16	33.5	F8	16	2849	A -9 2207
60		8.5A	43 6.186	-0.0033	21	-16 27 50.84	-0.019	15	0.35	6.242	18	33.1	50.52	16	33.1	F2 J	12A	2924	A -16 2111
61		9.3A	43 6.815	-0.0007	21	-15 51 29.29	-0.028	15	0.35	6.827	18	33.1	28.82	16	33.1	G5 J	12A	2923	A -15 2020
62		6.8T	43 10.625	-0.0015	07	-14 33 48.31	-0.022	06	0.39	10.711	14	94.0	46.99	14	90.8	A0	GC	10453K	-14 2193
63		6.1T	43 11.072	-0.0014	04	-14 34 4.60	-0.030	03	0.24	11.150	10	95.4	2.76	10	89.3	A0	GC	10455K	B*-14 2194
64		9.0A	43 11.734	-0.0012	20	-18 55 22.06	-0.013	15	0.34	11.754	18	33.1	21.83	16	33.1	K0 J	12B	3198	A -18 2004
65		8.8A	43 15.906	-0.0007	21	-15 19 14.00	-0.025	15	0.35	15.919	18	33.1	13.58	16	33.1	A0 J	12A	2927	A -15 2023
66		9.0A	43 19.979	-0.0005	21	-14 49 4.95	-0.029	15	0.35	19.987	18	33.1	4.45	16	33.1	A2 J	12A	2928	A -14 2197
67		8.6A	43 26.470	-0.0002	18	-11 17 18.84	0.003	20	0.36	26.473	18	33.1	18.88	16	33.1	A3 J	11	2843	A -11 2092
68		8.6A	43 29.827	-0.0046	15	-18 18 59.01	-0.028	11	0.28	29.904	18	33.1	58.54	16	33.1	K0 J	12B	3200	A -18 2006
69		8.8A	43 32.304	-0.0008	15	-13 24 28.82	0.016	15	0.30	32 318	18	33.1	29.08	16	33.1	G0 J	11	2844	A -13 2212
70		8.7A	43 34.432	-0.0017	12	-10 2 46.64	0.015	12	0.25	34.459	16	33.5	46.88	16	33.5	A2	16	2858	A -9 2214
71		8.9A	43 36.337	-0.0010	21	-15 3 20.38	-0.001	15	0.35	36.353	18	33.1	20.37	16	33.1	A5 J	12A	2931	A -14 2198
72		5.1H	43 38.664	-0.0014	02	-14 26 27.59	0.003	02	0.06	38.710	03	16.0	27.69	03	17.4	F0	F4	1202	-14 2199
73		9.0A	43 41.831	-0.0008	21	-15 43 57.26	-0.006	15	0.35	41.846	18	33.1	57.16	16	33.1	K0 J	12A	2933	A -15 2028
74		8.1A	43 43.877	0.0026	18	-18 46 53.84	-0.011	13	0.32	43.832	18	33.1	53.65	16	33.1	K2 J	12B	3202	A -18 2008
75		9.0A	43 51.303	0.0005	18	-17 30 0.79	0.015	13	0.32	51.294	18	33.1	1.04	16	33.1	A2 J	12A	2935	A -17 2144
76		9.0A	43 51.651	0.0009	18	-17 33 4.10	-0.003	13	0.32	51.636	18	33.1	4.05	16	33.1	G5 J	12A	2936	A -17 2146
77		9.2A	43 51.781	-0.0020	21	-16 27 14.69	0.018	15	0.35	51.815	18	33.1	15.00	16	33.1	F8 J	12A	2934	A -16 2119
78		8.1A	43 56.692	-0.0005	13	-12 17 28.49	-0.041	15	0.30	56.701	18	33.1	27.80	16	33.1	K0 J	11	2845	A -12 2130
79		8.9A	43 57.880	-0.0011	17	-13 19 34.41	-0.015	18	0.34	57.898	18	33.1	34.15	16	33.1	G0 J	11	2846	A -13 2217
80		9.2A	43 58.216	-0.0004	21	-15 37 48.03	-0.029	15	0.35	58.223	18	33.1	47.54	16	33.1	F5 J	12A	2937	A -15 2031
81		9.0A	43 59.125	-0.0032	21	-17 42 58.23	-0.016	15	0.35	59.180	18	33.1	57.96	16	33.1	A0 J	12A	2939	A -17 2149
82		8.8A	44 1.041	-0.0020	18	-14 56 29.30	-0.029	13	0.32	1.074	18	33.1	28.81	16	33.1	G5 J	12A	2938	A -14 2200
83		9.3A	44 5.909	-0.0020	18	-15 24 46.09	-0.016	13	0.32	5.942	18	33.1	45.82	16	33.1	A5 J	12A	2941	A -15 2035
84		8.9A	44 8.883	-0.0019	18	-18 22 41.87	0.013	13	0.32	8.915	18	33.1	42.09	16	33.1	F5 J	12B	3213	A -18 2013
85		8.3A	44 13.492	0.0022	15	-11 33 52.91	-0.037	17	0.32	13.456	18	33.1	52.28	16	33.1	A0 J	11	2847	A -11 2097
86		8.6A	44 19.459	0.0006	21	-14 24 25.67	0.007	15	0.35	19.449	18	33.1	25.79	16	33.1	F8 J	12A	2943	A -14 2203
87		9.0A	44 20.007	0.0006	15	-11 37 50.62	-0.016	17	0.32	19.997	18	33.1	50.34	16	33.1	A0 J	11	2848	A -11 2099
88		9.2A	44 22.583	-0.0003	21	-17 1 45.25	0.002	15	0.35	22.588	18	33.1	45.29	16	33.1	F2 J	12A	2944	A -16 2122
89		6.4T	44 24.506	0.0008	14	-12 33 5.31	-0.004	13	0.74	24.465	22	99.7	5.10	22	98.6	B9	GC	10486	-12 2135
90		8.9A	44 30.016	-0.0011	15	-19 9 32.79	-0.007	11	0.28	30.034	18	33.1	32.67	16	33.1	K5 J	12B	3217	A -18 2017
91		9.2A	44 34.257	-0.0013	21	-16 38 41.98	-0.031	15	0.35	34.279	18	33.1	41.46	16	33.1	A J	12A	2945	A -16 2124
92		8.7A	44 34.716	0.0002	17	-13 13 38.21	-0.001	18	0.34	34.712	18	33.1	38.19	16	33.1	G5 J	11	2850	A -12 2136
93		9.0A	44 43.163	-0.0008	15	-10 45 16.65	0.002	17	0.32	43.176	18	33.1	16.68	16	33.1	A0 J	11	2851	A -10 2218
94		9.1A	44 48.569	0.0003	15	-10 37 10.77	-0.044	15	0.30	48.564	18	33.1	10.02	16	33.1	G0 J	11	2852	A -10 2220
95		8.2A	44 53.845	-0.0012	21	-15 31 33.51	-0.032	15	0.35	53.865	18	33.1	32.97	16	33.1	A5 J	12A	2946	A -15 2043
96		8.5A	44 57.872	-0.0003	17	-12 4 38.34	-0.024	18	0.34	57.878	18	33.1	37.93	16	33.1	F2 J	11	2853	A -11 2100
97		8.6A	45 6.538	-0.0020	18	-19 48 28.63	0.016	13	0.32	6.572	18	33.1	28.91	16	33.1	A0 J	12B	3223	A -19 2062
98		8.4A	45 6.984	0.0004	21	-14 29 11.00	-0.008	15	0.35	6.977	18	33.1	10.87	16	33.1	M1 J	12A	2947	A -14 2211
99		9.1A	45 7.164	-0.0033	18	-16 20 47.75	-0.034	13	0.32	7.220	18	33.1	47.18	16	33.1	A J	12A	2949	A -16 2127
00		8.9A	45 8.309	-0.0004	21	-14 39 29.57	-0.004	15	0.35	8.316	18	33.1	29.49	16	33.1	B9 J	12A	2948	A -14 2212

-10° 7H

DM NUMBER

153400

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ s	σ_μ ,,.001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.		SOURCE CAT.	STAR NUMBER	-10° 7H DM NUMBER
1		9.2A	7 45 10.362	0.0007	21	-17 21 7.35	-0.017	15	0.35	10.350	18	33.1	7.64	16	33.1	A2	J	12A	2950	A -17 2158
2		9.2A	45 13.655	0.0011	21	-15 30 53.90	-0.019	15	0.35	13.636	18	33.1	53.58	16	33.1	F5	J	12A	2951	A -15 2048
3		8.7A	45 21.592	-0.0017	12	-10 11 34.20	-0.002	12	0.25	21.620	16	33.6	34.16	16	33.6	A5		16	2869	A -9 2228
4		6.7T	45 21.815	-0.0007	06	-15 51 57.42	-0.003	06	0.24	21.837	09	16.3	57.31	10	12.7	K0		GC	10607	-15 2049
5		6.8A	45 23.381	-0.0016	18	-15 13 59.43	-0.013	13	0.32	23.407	18	33.1	59.21	16	33.1	K2	J	12A	2953	A -15 2050
6		8.9A	45 23.786	0.0008	17	-12 53 44.97	-0.019	18	0.34	23.773	18	33.1	44.64	16	33.1	M2	J	11	2855	A -12 2145
7		9.2A	45 25.537	0.0018	17	-17 52 24.46	-0.015	12	0.30	25.507	18	33.1	24.21	16	33.1	A0	J	12A	2954	A -17 2160
8		9.0A	45 28.489	-0.0004	15	-12 1 53.72	0.020	15	0.30	28.496	18	33.1	54.06	16	33.1	G5	J	11	2856	A -11 2104
9		6.8T	45 28.569	-0.0004	08	-15 53 22.51	-0.005	11	0.49	28.587	18	01.0	22.27	18	01.9	K2		GC	10614	-15 2052
10		9.1A	45 32.736	0.0004	18	-11 12 7.37	-0.001	20	0.36	32.729	18	33.1	7.35	16	33.1	A5	J	11	2857	A -10 2225
11		8.6A	45 33.915	-0.0011	18	-19 51 35.86	-0.008	13	0.32	33.934	18	33.1	35.72	16	33.1	B8	J	12B	3229	A -19 2066
12		9.0A	45 36.054	-0.0008	17	-19 26 12.54	0.001	13	0.31	36.067	18	33.1	12.55	16	33.1	A0	J	12B	3230	A -19 2067
13		8.2G	45 36.123	-0.0098	17	-12 4 5.88	0.028	15	0.69	36.521	19	09.3	7.06	21	07.6			GC	10521K	-11 2106
14		5.5T	45 36.136	-0.0080	05	-12 4 7.99	0.055	04	0.32	36.626	12	88.6	11.72	15	81.9	F5		GC	10522K	B*-11 2106
15		8.8A	45 36.311	0.0008	15	-12 54 45.35	-0.024	17	0.32	36.297	18	33.1	44.94	16	33.1	K5	J	11	2860	A -12 2146
16		8.6A	45 46.136	-0.0016	20	-19 16 42.27	-0.005	15	0.34	46.164	18	33.1	42.18	16	33.1	A2	J	12B	3231	A -19 2068
17		9.1A	45 51.143	0.0007	21	-13 4 57.35	-0.055	22	0.41	51.131	18	33.1	56.41	16	33.1	G0	J	11	2861	A -12 2149
18		9.1A	45 52.253	0.0004	17	-13 8 45.03	0.001	18	0.34	52.247	18	33.1	45.04	16	33.1	G5	J	11	2862	A -12 2150
19		9.1A	45 52.991	0.0011	17	-18 40 22.01	-0.019	13	0.31	52.973	18	33.1	21.69	16	33.1	A0	J	12B	3235	A -18 2022
20		8.5A	45 55.036	-0.0026	15	-19 12 21.68	0.008	11	0.28	55.080	18	33.1	21.81	16	33.1	F8	J	12B	3236	A -18 2023
21		8.6A	45 56.111	-0.0035	15	-13 56 16.80	-0.004	17	0.32	56.170	18	33.1	16.73	16	33.1	K0	J	11	2864	A -13 2236
22		9.0A	45 57.097	-0.0022	15	-10 52 22.35	-0.016	17	0.32	57.134	18	33.1	22.07	16	33.1	A2	J	11	2863	A -10 2228
23		9.0A	46 2.348	-0.0014	21	-15 44 20.50	-0.012	15	0.35	2.372	18	33.1	20.30	16	33.1	A2	J	12A	2957	A -15 2056
24		8.8A	46 2.521	0.0002	21	-15 25 50.59	-0.019	15	0.35	2.517	18	33.1	50.91	16	33.1	K0	J	12A	2956	A -15 2054
25		8.9A	46 5.306	0.0008	13	-13 22 35.60	-0.021	15	0.30	5.293	18	33.1	35.24	16	33.1	M1	J	11	2865	A -13 2238
26		9.1A	46 8.858	-0.0016	13	-10 32 56.96	0.004	15	0.30	8.885	18	33.1	57.02	16	33.1	K0	J	11	2866	A -10 2229
27		8.2G	46 9.670	-0.0005	09	-12 5 34.34	-0.008	08	0.45	9.693	17	02.3	33.92	17	98.4	K5		GC	10537	-11 2111
28		9.1A	46 12.384	-0.0012	17	-17 21 16.50	0.025	11	0.29	12.404	18	33.1	16.92	16	33.1	K5	J	12A	2958	A -17 2165
29		9.0A	46 12.994	0.0001	17	-19 10 2.07	0.032	13	0.31	12.991	18	33.1	2.61	16	33.1	B9	J	12B	3239	A -18 2026
30		8.8A	46 13.532	-0.0033	18	-13 5 57.52	-0.020	20	0.36	13.588	18	33.1	57.17	16	33.1	A0	J	11	2868	A -12 2153
31		8.7A	46 16.813	-0.0024	18	-15 26 34.70	-0.009	13	0.32	16.854	18	33.1	34.55	16	33.1	B9	J	12A	2959	A -15 2059
32		8.8A	46 20.829	-0.0019	21	-16 25 5.11	-0.017	15	0.35	20.861	18	33.1	4.82	16	33.1	A0	J	12A	2960	A -16 2136
33		9.0A	46 21.611	-0.0017	21	-16 8 27.98	0.004	15	0.35	21.639	18	33.1	28.06	16	33.1	A0	J	12A	2961	A -16 2062
34		7.5A	46 30.836	-0.0024	17	-19 2 55.50	0.003	13	0.31	30.876	18	33.1	55.55	16	33.1	K2	J	12B	3243	A -18 2029
35		8.4A	46 30.980	-0.0010	21	-17 16 55.68	-0.040	15	0.35	30.996	18	33.1	55.00	16	33.1	F5	J	12A	2962	A -17 2171
36		9.3A	46 32.217	0.0000	17	-17 54 5.61	0.012	15	0.32	32.217	18	33.1	5.82	16	33.1	A0	J	12A	2963	A -17 2172
37		8.7A	46 33.904	-0.0001	11	-10 13 3.52	-0.027	11	0.23	33.955	16	33.6	3.07	16	33.6	A5		16	2878	A -9 2234
38		8.5A	46 38.761	-0.0010	18	-10 59 17.44	0.016	20	0.36	38.778	18	33.1	17.70	16	33.1	F5	J	11	2870	A -10 2236
39		8.8A	46 40.023	-0.0026	18	-17 58 5.33	0.010	13	0.32	40.068	18	33.1	5.50	16	33.1	K7	J	12A	2965	A -17 2173
40		8.6A	46 42.147	-0.0005	21	-14 29 15.82	0.015	15	0.35	42.156	18	33.1	16.08	16	33.1	B9	J	12A	2964	A -14 2223
41		6.8T	46 44.309	-0.0073	15	-11 3 18.35	0.017	10	0.69	44.656	24	02.3	19.28	21	94.5	F0		GC	10544	-10 2237
42		9.0A	46 48.494	-0.0017	12	-10 12 25.94	-0.011	12	0.25	48.522	16	33.6	25.75	16	33.6	A2		16	2879	A* -9 2236
43		7.4T	46 50.523	-0.0008	22	-10 22 22.64	0.005	16	0.93	50.558	22	04.7	22.87	21	02.2	A5		GC	10552	-10 2239
44		9.2A	46 52.803	-0.0003	21	-17 11 21.21	-0.017	15	0.35	52.808	18	33.1	20.93	16	33.1	A0	J	12A	2966	A -16 2138
45		8.3A	46 54.627	0.0002	21	-16 12 47.53	0.008	15	0.35	54.625	18	33.1	47.67	16	33.1	A2	J	12A	2968	A -15 2068
46		8.7A	46 55.437	-0.0011	18	-15 10 12.71	0.002	13	0.32	55.455	18	33.1	12.75	16	33.1	K7	J	12A	2967	A -14 2227
47		8.1A	46 58.123	-0.0017	17	-11 18 10.26	-0.003	18	0.34	58.151	18	33.1	10.20	16	33.1	A0	J	11	2874	A -11 2114
48		8.7A	46 58.790	0.0015	18	-13 8 47.96	-0.046	20	0.36	58.764	18	33.1	47.17	16	33.1	F8	J	11	2875	A -12 2161
49		6.1T	47 9.022	-0.0028	18	-13 13 34.65	-0.022	16	0.89	9.159	24	00.9	33.52	22	99.0	B9		GC	10560	-12 2164
50		7.9A	47 11.294	-0.0014	18	-15 13 7.35	-0.011	13	0.32	11.317	18	33.1	7.17	16	33.1	K2	J	12A	2969	A -14 2229
51		9.3A	7 47 15.534	-0.0001	13	-10 4 37.21	-0.098	13	0.27	15.535	16	33.6	35.59	16	33.6	G0		16	2886	A -9 2240
52		8.8A	47 18.187	-0.0016	21	-16 43 57.41	-0.077	15	0.35	18.214	18	33.1	56.11	16	33.1	G5	J	12A	2970	A -16 2145
53		6.6T	47 20.918	-0.0051	32	-13 57 30.31	0.004	33	1.37	21.131	29	08.3	30.48	29	08.5	K5		GC	10566	-13 2247
54		5.5T	47 25.628	0.0033	03	-17 5 59.44	-0.120	03	0.13	25.495	06	10.1	54.63	06	09.9	K0		GC	10569	B*-16 2146
55		9.0A	47 26.658	0.0015	17	-11 47 53.00	0.004	18	0.34	26.633	18	33.1	53.06	16	33.1	F2	J	11	2880	A -11 2117
56		6.8T	47 28.296	-0.0035	17	-19 22 39.05	0.033	16	0.84	28.466	24	02.0	40.70	21	99.4	K0		GC	10570	-19 2083
57		8.7A	47 30.362	0.0016	15	-13 45 10.99	-0.025	17	0.32	30.335	18	33.1	10.57	16	33.1	K0	J	11	2881	A -13 2249
58		9.2A	47 31.173	-0.0030	21	-14 30 54.60	-0.028	15	0.35	31.223	18	33.1	54.12	16	33.1	A0	J	12A	2972	A -14 2230
59		8.8A	47 32.439	0.0016	17	-18 52 47.25	-0.018	13	0.31	32.411	18	33.1	46.94	16	33.1	RF	J	12B	3248	A -18 2040
60		8.7A	47 33.078	-0.0021	18	-13 38 11.18	-0.002	20	0.36	33.113	18	33.1	11.15	16	33.1	F5	J	11	2882	A -13 2250
61		9.0A	47 34.796	-0.0021	17	-18 48 25.73	-0.016	13	0.31	34.831	18	33.1	25.45	16	33.1	K0	J	12B	3249	A -18 2041
62		9.0A	47 35.663	-0.0008	21	-17 2 51.76	-0.011	15	0.35	35.677	18	33.1	51.58	16	33.1	K5	J	12A	2973	A -16 2148
63		9.1A	47 40.711	-0.0043	21	-15 7 21.22	-0.009	15	0.35	40.784	18	33.1	21.07	16	33.1	F2	J	12A	2974	A -14 2233
64		8.6A	47 42.276	-0.0010	15	-13 24 21.77	0.021	17	0.32	42.293	18	33.1	22.12	16	33.1	K2	J	11	2883	A -13 2251
65		8.4A	47 44.058	0.0002	21	-15 17 4.04	-0.002	15	0.35	44.054	18	33.1	4.01	16	33.1	K5	J	12A	2975	A -15 2075
66		8.6A	47 49.035	-0.0033	21	-17 55 30.37	-0.019	15	0.35	49.090	18	33.1	30.05	16	33.1	A2	J	12A	2976	A -17 2179
67		9.0A	47 49.756	-0.0020	18	-12 13 56.70	-0.013	20	0.36	49.789	18	33.1	56.47	16	33.1	K7	J	11	2884	A -11 2119
68		6.4T	47 52.968	-0.0009	13	-19 23 46.42	-0.005	12	0.68	53.009	24	01.1	46.14	22	98.2	K0		GC	10582	-19 2089
69		8.8A	47 53.883	-0.0001	18	-11 26 43.64	-0.011	20	0.36	53.885	18	33.1	43.45	16	33.1	K0	J	11	2885	A -11 2121
70		9.0A	48 0.411	-0.0010	21	-15 36 7.74	-0.011	15	0.35	0.428	18	33.1	7.56	16	33.1	M0	J	12A	2978	A -15 2079
71		8.9A	48 2.481	0.0000	18	-13 27 51.08	-0.016	20	0.36	2.481	18	33.1	50.80	16	33.1	A2	J	11	2886	A -13 2254
72		9.1A	48 4.623	-0.0039	18	-19 26 23.37	0.017	13	0.32	4.688	18	33.1	23.65	16	33.1	A5	J	12B	3254	A -19 2092
73		9.3A	48 11.016	-0.0017	21	-15 24 44.21	-0.025	15	0.35	11.044	18	33.1	43.79	16	33.1	A0	J	12A	2979	A -15 2080
74		9.2A	48 15.214	0.0003	21	-15 55 3.30	0.024	15	0.35	15.209	18	33.1	3.71	16	33.1	A2	J	12A	2980	A -15 2082
75		8.8A	48 18.673	-0.0040	18	-13 37 51.58	-0.053	20	0.36	18.741	18	33.1	50.69	16	33.1	G5	J	11	2887	A -13 2255
76		8.6A	48 22.828	-0.0050	17	-18 48 47.14	0.026	13	0.31	22.913	18	33.1	47.57	16	33.1	F2	J	12B	3257	A -18 2049
77		8.5A	48 27.179	-0.0005	15	-13 2 42.04	0.015	17	0.32	27.188	18	33.1	42.29	16	33.1	A2	J	11	2888	A -12 2174
78		9.0A	48 27.561	0.0004	21	-16 44 21.32	-0.006	15	0.35	27.555	18	33.1	21.22	16	33.1	K0	J	12A	2981	A -16 2157
79		6.3T	48 33.102	-0.0001	09	-11 0 0.03	-0.044	07	0.34	33.105	09	09.6	-58.27	09	10.2	K0		GC	10606	-10 2253
80		8.7A	48 34.618	-0.0004	12	-10 11 18.64	-0.038	12	0.25	34.624	16	33.6	18.01	16	33.6	A2		16	2898	A -9 2251
81		9.0A	48 37.364	0.0034	18	-10 59 1.50	-0.111	20	0.36	37.307	18	33.1	-59.62	16	33.1	F8	J	11	2891	A -10 2255
82		9.1A	48 39.938	-0.0003	15	-11 19 6.93	-0.028	17	0.32	39.942	18	33.1	6.45	16	33.1	A0	J	11	2892	A -11 2124
83		9.0A	48 42.105	0.0042	13	-19 30 50.95	-0.090	09	0.26	42.034	18	33.1	49.43	16	33.1	F5	J	12B	3263	A -19 2095
84		8.8A	48 45.384	-0.0009	21	-17 0 26.99	0.003	15	0.35	45.399	18	33.1	27.04	16	33.1	G0	J	12A	2982	A -16 2160
85		8.5A	48 46.975	-0.0012	21	-16 8 53.58	-0.007	15	0.35	46.995	18	33.1	53.46	16	33.1	A2	J	12A	2983	A -15 2086
86		8.3A	48 50.787	-0.0012	18	-15 7 7.85	-0.012	13	0.32	50.808	18	33.1	7.65	16	33.1	K5	J	12A	2984	A -14 2240
87		9.1A	48 50.866	-0.0009	17	-19 19 3.65	0.004	13	0.31	50.882	18	33.1	3.71	16	33.1	A2	J	12B	3265	A -19 2096
88		6.7T	48 52.216	-0.0001	18	-18 7 8.55	0.010	15	0.83	52.219	22	03.1	9.06	19	99.9	K0		GC	10612	-17 2185
89		8.3A	48 53.098	0.0013	17	-12 28 52.92	-0.053	18	0.34	53.076	18	33.1	52.02	16	33.1	K2	J	11	2893	A -12 2176
90		8.1A	48 55.670	-0.0014	18	-11 2 36.05	-0.013	20	0.36	55.693	18	33.1	35.82	16	33.1	K0	J	11	2894	A -10 2257
91		8.5A	49 7.690	-0.0006	21	-16 0 51.81	0.041	15	0.35	7.700	18	33.1	52.51	16	33.1	M0	J	12A	2986	A -15 2091
92		8.6A	49 8.276	0.0043	21	-15 44 48.64	-0.031	15	0.35	8.203	18	33.1	48.12	16	33.1	F5	J	12A	2987	A -15 2090
93		8.9A	49 9.531	-0.0007	21	-16 6 59.83	-0.003	15	0.35	9.542	18	33.1	59.78	16	33.1	K5	J	12A	2989	A -15 2093
94		9.4A	49 10.041	-0.0035	21	-15 18 44.95	-0.022	15	0.35	10.100	18	33.1	44.58	16	33.1	A2	J	12A	2988	A -15 2092
95		8.2A	49 10.477	-0.0005	21	-16 28 38.31	0.012	15	0.35	10.486	18	33.1	38.52	16	33.1	K5	J	12A	2990	A -16 2162
96		8.5A	49 12.593	-0.0021	21	-16 53 43.62	0.019	15	0.35	12.628	18	33.1	43.94	16	33.1	F5	J	12A	2991	A -16 2163
97		9.1A	49 14.237	-0.0038	12	-10 14 5.93	-0.010	12	0.25	14.300	16	33.6	5.76	16	33.6	K2		16	2903	A -10 2259
98		9.0A	49 19.088	-0.0008	15	-19 12 22.48	-0.005	11	0.28	19.102	18	33.1	22.39	16	33.1	A0	J	12B	3270	A -18 2056
99		6.5T	49 20.522	-0.0005	05	-12 41 24.96	-0.015	05	0.25	20.543	12	05.6	24.20	12	00.2	F2		GC	10627	B*-12 2179
00		5.3M	49 27.328	-0.0046	02	-13 45 50.78	-0.344	02	0.11	27.543	04	03.5	33.43	04	99.6	G0	J	F3	298C	*

153500

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ s	σ_μ .001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ .001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ .01	ep.	δ_2 ″	σ' .01	ep.	SP.	CAT.	STAR NUMBER	-10° 7H DM NUMBER
1		9.0A	7 49 27.825	-0.0006	18	-19 30 55.33	-0.015	13	0.32	27.836	18	33.1	55.07	16	33.1	K0 J	12B	3271	A -19 2101
2		9.0A	49 28.900	-0.0003	17	-19 12 22.79	0.015	12	0.30	28.905	18	33.1	23.04	16	33.1	K0 J	12B	3272	A -18 2057
3		9.0A	49 28.916	0.0001	15	-12 50 16.58	-0.016	17	0.32	28.915	18	33.1	16.30	16	33.1	A0 J	11	2898	A -12 2182
4		8.4A	49 29.886	-0.0021	18	-15 7 44.16	-0.030	13	0.32	29.922	18	33.1	43.65	16	33.1	A2 J	12A	2992	A -14 2245
5		9.0A	49 30.845	-0.0004	18	-12 34 8.22	-0.003	20	0.36	30.852	18	33.1	8.16	16	33.1	K2 J	11	2899	A -12 2183
6		7.8Q	49 31.449	0.0004	10	-18 13 41.06	0.010	08	0.44	31.430	17	07.6	41.56	15	01.5	B9	GC	10631	-17 2188
7		8.9A	49 32.148	-0.0028	18	-11 52 17.05	0.030	20	0.36	32.196	18	33.1	17.56	16	33.1	K0 J	11	2900	A -11 2127
8		8.8A	49 33.492	-0.0004	20	-18 9 37.61	0.001	15	0.34	33.499	18	33.1	37.63	16	33.1	G5 J	12B	3274	A -17 2189
9		8.2A	49 33.848	-0.0041	15	-10 54 4.84	-0.176	17	0.32	33.917	18	33.1	1.85	16	33.1	G5 J	11	2901	A -10 2263
10		8.9A	49 36.281	-0.0016	21	-17 15 24.66	0.000	15	0.35	36.308	18	33.1	24.66	16	33.1	A3 J	12A	2995	A -17 2190
11		9.0A	49 38.255	0.0010	21	-16 39 39.04	-0.014	15	0.35	38.238	18	33.1	38.80	16	33.1	M0 J	12A	2996	A -16 2166
12		8.8A	49 43.220	0.0042	12	-10 7 28.19	-0.115	12	0.25	43.150	16	33.6	26.29	16	33.6	G0	16	2912	A -9 2260
13		9.0A	49 45.124	-0.0032	17	-19 0 16.80	-0.002	13	0.31	45.178	18	33.1	16.76	16	33.1	A0 J	12B	3279	A -18 2061
14		8.9A	49 45.223	0.0007	13	-11 2 55.82	-0.017	15	0.30	45.211	18	33.1	55.52	16	33.1	K2 J	11	2903	A -10 2265
15		8.8A	49 45.448	-0.0026	15	-11 43 20.09	0.018	18	0.33	45.492	18	33.1	20.39	16	33.1	G5 J	11	2904	A -11 2129
16		8.8A	49 45.810	-0.0007	21	-14 45 34.64	0.009	15	0.35	45.822	18	33.1	34.79	16	33.1	K2 J	12A	2998	A -14 2248
17		8.8A	49 52.798	-0.0022	20	-10 37 51.77	-0.051	20	0.37	52.835	18	33.1	50.91	16	33.1	F8 J	11	2905	A -10 2266
18		8.3A	49 55.759	-0.0047	21	-17 39 7.45	0.007	15	0.35	55.839	18	33.1	7.57	16	33.1	F2 J	12A	2999	A -17 2196
19		8.5A	49 59.422	-0.0025	20	-11 31 31.40	-0.003	20	0.37	59.464	18	33.1	31.35	16	33.1	A2 J	11	2906	A -11 2133
20		5.7T	50 0.742	-0.0012	04	-14 42 59.29	-0.006	04	0.22	0.802	12	01.2	58.96	10	97.2	F2	GC	10640	B*-14 2250
21		8.6A	50 2.504	0.0077	17	-15 11 27.75	-0.064	12	0.30	2.373	18	33.1	26.67	16	33.1	F8 J	12A	3001	A -14 2251
22		6.9T	50 8.913	0.0021	07	-13 43 53.71	-0.082	06	0.40	8.795	15	93.7	49.01	14	92.6	K0	GC	10645K	B*-13 2270
23		8.8A	50 8.990	0.0023	21	-17 53 18.22	-0.027	15	0.35	8.952	18	33.1	17.76	16	33.1	B9 J	12A	3003	A -17 2198
24		8.9A	50 9.152	-0.0017	21	-16 33 12.19	0.018	15	0.35	9.180	18	33.1	12.49	16	33.1	F0 J	12A	3002	A -16 2168
25		8.4A	50 11.963	0.0001	21	-15 19 19.55	-0.028	15	0.35	11.960	18	33.1	19.08	16	33.1	F5 J	12A	3004	A -15 2101
26		8.5A	50 12.248	-0.0023	18	-11 47 28.44	0.003	20	0.36	12.286	18	33.1	28.49	16	33.1	K0 J	11	2908	A -11 2136
27		8.0A	50 20.366	-0.0014	21	-15 17 52.61	-0.034	15	0.35	20.389	18	33.1	52.03	16	33.1	B9 J	12A	3005	A -15 2102
28		9.2A	50 23.153	-0.0015	21	-16 57 40.27	0.016	15	0.35	23.179	18	33.1	40.54	16	33.1	A0 J	12A	3006	A -16 2169
29		9.0A	50 25.950	-0.0012	17	-12 52 41.11	0.008	18	0.34	25.971	18	33.1	41.24	16	33.1	M0 J	11	2909	A -12 2189
30		8.8A	50 26.265	-0.0011	15	-19 39 25.98	-0.002	11	0.28	26.283	18	33.1	25.94	16	33.1	B8 J	12B	3283	A -19 2106
31		8.8A	50 28.560	-0.0007	20	-19 31 27.34	-0.010	15	0.34	28.572	18	33.1	27.17	16	33.1	A3 J	12B	3284	A -19 2108
32		8.7A	50 30.591	-0.0014	17	-13 45 53.01	0.004	18	0.34	30.615	18	33.1	53.08	16	33.1	K0 J	11	2910	A -13 2274
33		8.1A	50 36.377	0.0001	21	-15 20 32.17	-0.093	15	0.35	36.375	18	33.1	30.60	16	33.1	K2 J	12A	3007	A -15 2105
34		7.8A	50 41.045	-0.0016	18	-13 55 37.83	0.005	20	0.36	41.071	18	33.1	37.92	16	33.1	K0 J	11	2912	A -13 2277
35		8.9A	50 41.462	-0.0023	17	-17 23 1.85	-0.029	12	0.30	41.501	18	33.1	1.36	16	33.1	A0 J	12A	3009	A -17 2205
36		7.9A	50 43.570	-0.0015	18	-11 29 39.[illegible]	-0.053	20	0.36	43.595	18	33.1	38.64	16	33.1	M2P J	11	2911	A -11 2141
37		9.1A	50 44.062	-0.0017	21	-14 53 24.55	-0.009	15	0.35	44.091	18	33.1	24.19	16	33.1	F5 J	12A	3008	A -14 2256
38		9.0A	50 50.014	0.0023	21	-14 52 38.21	-0.023	15	0.35	49.994	18	33.1	37.82	16	33.1	K0 J	12A	3010	A -14 2260
39		9.1A	50 50.760	-0.0033	17	-19 17 37.02	0.034	11	0.29	50.817	18	33.1	37.59	16	33.1	A0 J	12B	3289	A -19 2111
40		8.8A	50 51.278	0.0003	15	-11 58 7.86	0.028	17	0.32	51.274	18	33.1	8.33	16	33.1	G5 J	11	2913	A -11 2143
41		9.1A	50 53.451	-0.0016	20	-19 30 20.11	-0.021	15	0.34	53.479	18	33.1	19.76	16	33.1	A2 J	12B	3290	A -19 2113
42		9.0A	50 54.554	-0.0023	21	-15 19 17.41	0.004	15	0.35	54.593	18	33.1	17.48	16	33.1	K7 J	12A	3011	A -15 2108
43		9.2A	50 55.333	-0.0013	12	-10 5 36.08	-0.038	12	0.25	55.353	16	33.5	35.45	16	33.5	K2 R	16	2924	A -9 2269
44		9.2A	50 56.924	-0.0006	20	-19 27 32.27	-0.024	15	0.34	56.934	18	33.1	31.86	16	33.1	K	J 12B	3292	A -19 2114
45		8.9A	50 58.729	-0.0006	20	-19 56 7.36	-0.011	15	0.34	58.740	18	33.1	7.18	16	33.1	K0 J	12B	3293	A -19 2116
46		9.0A	51 0.330	0.0005	21	-16 39 52.74	-0.031	15	0.35	0.322	18	33.1	52.22	16	33.1	M1 J	12A	3012	A -16 2174
47		9.0A	51 1.950	-0.0033	21	-15 43 54.12	-0.007	15	0.35	2.007	18	33.1	54.00	16	33.1	B9 J	12A	3013	A -15 2110
48		8.8A	51 4.978	0.0017	21	-16 41 34.21	0.001	15	0.35	4.950	18	33.1	34.23	16	33.1	K0 J	12A	3014	A -16 2175
49		9.0A	51 8.793	-0.0008	18	-11 23 51.42	0.001	20	0.36	8.806	18	33.1	51.43	16	33.1	M0 J	11	2915	A -11 2148
50		9.0A	51 16.885	-0.0014	18	-17 5 38.19	-0.006	13	0.32	16.910	18	33.1	38.09	16	33.1		12A	3015	A -16 2178
51		8.5A	7 51 20.741	0.0100	18	-12 7 59.80	-0.030	20	0.36	20.571	18	33.1	59.29	16	33.1	G0 J	11	2916	A -11 2150
52		9.0A	51 23.762	-0.0008	21	-14 49 48.88	-0.046	15	0.35	23.775	18	33.1	48.10	16	33.1	K0 J	12A	3016	A -14 2263
53		8.6A	51 24.903	-0.0014	13	-13 28 34.90	-0.036	15	0.30	24.927	18	33.1	34.29	16	33.1	M0 J	11	2918	A -13 2284
54		8.6A	51 25.086	-0.0004	21	-16 43 19.69	-0.004	15	0.35	25.093	18	33.1	19.62	16	33.1	K0 J	12A	3017	A -16 2180
55		8.7A	51 25.578	-0.0012	18	-12 9 42.47	0.037	20	0.36	25.599	18	33.1	43.09	16	33.1	A3 J	11	2917	A -11 2152
56		9.0A	51 27.553	-0.0020	18	-16 1 24.99	0.002	13	0.32	27.587	18	33.1	25.03	16	33.1	K5 J	12A	3018	A -15 2114
57		9.2A	51 27.686	0.0008	15	-13 16 28.18	-0.000	17	0.32	27.673	18	33.1	28.17	16	33.1	G5 J	11	2919	A -13 2285
58		8.9A	51 27.741	-0.0021	15	-19 24 0.62	0.008	11	0.28	27.777	18	33.1	0.75	16	33.1	B9 J	12B	3297	A -19 2123
59		8.4A	51 39.664	-0.0005	15	-11 1 25.39	0.007	15	0.30	39.672	18	33.1	25.50	16	33.1	K0 J	11	2921	A -10 2279
60		8.0A	51 40.163	0.0003	18	-10 25 45.22	-0.011	20	0.36	40.157	18	33.1	45.03	16	33.1	K2 J	11	2920	A -10 2278
61		9.0A	51 47.742	0.0000	18	-12 57 51.58	-0.002	15	0.33	47.742	18	33.1	51.54	16	33.1	K0 J	11	2922	A -12 2201
62		9.2A	51 49.655	-0.0012	17	-11 30 47.95	0.010	18	0.34	49.675	18	33.1	48.12	16	33.1	K2 J	11	2923	A -11 2154
63		7.1T	51 52.911	0.0006	16	-18 11 56.14	0.010	16	0.83	52.884	24	01.3	56.67	21	99.1	K5	GC	10690K	-17 2219
64		8.4A	51 55.383	0.0008	21	-17 59 53.18	-0.010	15	0.35	55.370	18	33.1	53.01	16	33.1	K2 J	12A	3022	A -17 2220
65		9.1A	51 56.492	-0.0014	21	-15 30 32.05	-0.011	15	0.35	56.516	18	33.1	31.87	16	33.1	K7 J	12A	3021	A -15 2119
66		8.4A	51 56.976	-0.0025	18	-14 23 24.76	0.003	13	0.32	57.019	18	33.1	24.81	16	33.1	K0 J	12A	3020	A -14 2268
67		9.1A	51 58.145	-0.0012	21	-15 40 22.58	-0.035	15	0.35	58.166	18	33.1	21.99	16	33.1	F0 J	12A	3023	A -15 2120
68		8.7A	52 2.198	-0.0011	18	-19 32 54.88	-0.002	13	0.32	2.216	18	33.1	54.85	16	33.1	B9 J	12B	3304	A -19 2127
69		9.1A	52 7.469	-0.0012	21	-17 40 22.89	0.014	15	0.35	7.490	18	33.1	23.13	16	33.1		12A	3024	A -17 2221
70		8.9A	52 8.527	-0.0014	18	-17 40 10.22	-0.035	13	0.32	8.550	18	33.1	9.63	16	33.1	A0 J	12A	3025	A -17 2222
71		8.9A	52 13.416	-0.0009	21	-17 30 39.76	0.039	15	0.35	13.431	18	33.1	40.42	16	33.1	B9 J	12A	3026	A -17 2223
72		9.0A	52 17.010	-0.0004	15	-13 18 11.00	-0.006	17	0.32	17.017	18	33.1	10.89	16	33.1	A3 J	11	2926	A -13 2294
73		8.6A	52 19.088	-0.0013	15	-12 32 53.92	-0.008	17	0.32	19.110	18	33.1	53.78	16	33.1	K2 J	11	2928	A -12 2206
74		8.8A	52 19.665	0.0009	17	-13 46 41.40	0.018	18	0.34	19.650	18	33.1	41.71	16	33.1	K7 J	11	2929	A -13 2296
75		9.1A	52 19.970	-0.0057	12	-10 19 25.44	0.004	12	0.25	20.063	16	33.6	25.50	16	33.6	G0	16	2936	A -10 2283
76		8.8A	52 24.105	-0.0014	17	-18 7 15.67	0.019	13	0.31	24.129	18	33.1	15.99	16	33.1	A0 J	12B	3306	A -17 2225
77		8.8A	52 26.335	0.0012	15	-10 56 33.08	-0.005	17	0.32	26.314	18	33.1	32.99	16	33.1	K	J 11	2930	A -10 2284
78		8.7A	52 34.868	-0.0003	17	-11 3 36.62	-0.037	18	0.34	34.873	18	33.1	35.99	16	33.1	A0 J	11	2931	A -10 2285
79		8.9A	52 34.978	-0.0012	15	-12 47 57.99	-0.013	17	0.32	34.999	18	33.1	58.20	16	33.1	K2 J	11	2932	A -12 2207
80		8.5A	52 38.067	0.0024	15	-13 9 5.40	-0.057	17	0.32	38.027	18	33.1	4.43	16	33.1	F5 J	11	2933	A -12 2208
81		8.8A	52 40.766	0.0013	21	-17 56 14.58	-0.008	15	0.35	40.744	18	33.1	14.45	16	33.1	A0 J	12A	3028	A -17 2229
82		8.7A	52 45.634	0.0016	21	-14 29 57.03	0.058	15	0.35	45.607	18	33.1	58.02	16	33.1	F5 J	12A	3029	A -14 2274
83		7.9A	52 54.931	-0.0002	15	-11 1 7.29	-0.005	17	0.32	54.934	18	33.1	7.20	16	33.1	B8 J	11	2934	A -10 2289
84		9.0A	52 55.056	0.0000	21	-15 28 14.99	0.004	15	0.35	55.055	18	33.1	15.06	16	33.1	K5 J	12A	3030	A -15 2127
85		8.1A	52 58.454	-0.0007	15	-11 38 26.97	-0.004	17	0.32	58.466	18	33.1	26.90	16	33.1	A0 J	11	2935	A -11 2163
86		9.0A	52 58.558	-0.0050	21	-16 56 24.40	0.014	15	0.35	58.643	18	33.1	24.64	16	33.1	G0 J	12A	3031	A -16 2192
87		8.5A	53 7.653	-0.0009	18	-14 35 21.89	-0.015	13	0.32	7.668	18	33.1	21.63	16	33.1	F5 J	12A	3032	A -14 2275
88		8.8A	53 8.376	-0.0009	21	-15 47 42.54	-0.022	15	0.35	8.392	18	33.1	42.17	16	33.1	B9 J	12A	3033	A -15 2128
89		8.2A	53 9.395	-0.0006	18	-10 31 43.32	-0.026	20	0.36	9.405	18	33.1	42.87	16	33.1	F5 J	11	2936	A -10 2294
90		9.0A	53 12.300	-0.0010	21	-15 42 50.33	-0.023	15	0.35	12.317	18	33.1	49.94	16	33.1	A0 J	12A	3034	A -15 2130
91		6.8T	53 15.739	0.0009	20	-18 54 52.49	-0.042	18	0.89	15.697	22	05.4	50.50	19	03.0	A2	GC	10723	-18 2082
92		9.0A	53 18.352	-0.0035	21	-15 16 56.42	-0.000	15	0.35	18.410	18	33.1	56.42	16	33.1	A0 J	12A	3035	A -15 2132
93		7.8A	53 18.636	-0.0092	21	-15 26 42.19	-0.025	15	0.35	18.791	18	33.1	41.77	16	33.1	K0 J	12A	3036	A -15 2133
94		7.7A	53 21.886	-0.0038	17	-13 35 58.02	-0.001	18	0.34	21.951	18	33.1	58.01	16	33.1	F2 J	11	2937	A -13 2304
95		9.1A	53 23.062	-0.0018	17	-18 57 47.74	-0.008	13	0.31	23.092	18	33.1	47.60	16	33.1	K2 J	12B	3313	A -18 2085
96		8.5A	53 31.492	-0.0000	15	-13 32 6.33	-0.034	15	0.30	31.492	18	33.1	5.76	16	33.1	K0 J	11	2938	A -13 2305
97		8.5A	53 35.365	-0.0009	15	-10 32 24.96	-0.016	17	0.32	35.380	18	33.1	24.68	16	33.1	B9 J	11	2939	A -10 2295
98		9.0A	53 36.226	-0.0001	15	-11 18 9.69	-0.008	17	0.32	36.228	18	33.1	9.56	16	33.1	A0 J	11	2940	A -11 2169
99		6.8T	53 38.095	-0.0011	16	-12 28 32.63	0.075	20	0.84	38.144	22	04.5	36.03	21	04.6	K0	GC	10732	-12 2217
00		8.8A	53 43.672	-0.0009	17	-11 48 23.15	-0.021	18	0.34	43.688	18	33.1	22.80	16	33.1	K2 J	11	2942	A -11 2170

153600

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	EPOCH 1950 μ s	EPOCH 1950 σ_μ ″.001	EPOCH 1950 δ_{1950} ° ′ ″	EPOCH 1950 μ' ″	EPOCH 1950 σ'_μ ″.001	EPOCH 1950 σ_{1950} ″	ORIGINAL EPOCH α_2 s	ORIGINAL EPOCH σ ″.01	ORIGINAL EPOCH ep.	ORIGINAL EPOCH δ_2 ″	ORIGINAL EPOCH σ' ″.01	ORIGINAL EPOCH ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	-10° 7H DM NUMBER
1		8.1A	7 53 47.121	-0.0021	17	-15 45 24.69	0.003	12	0.30	47.156	18	33.1	24.74	16	33.1	K5 J	12A	3037	A -15 2137
2		9.2A	53 47.878	-0.0007	21	-16 25 8.28	0.007	15	0.35	47.890	18	33.1	8.40	16	33.1	A0 J	12A	3038	A -16 2199
3		9.0A	53 47.959	-0.0016	15	-10 25 30.75	-0.023	15	0.30	47.986	18	33.1	30.36	16	33.1	A2 J	11	2943	A -10 2296
4		9.0A	53 51.093	-0.0012	21	-16 26 25.09	-0.015	15	0.35	51.114	18	33.1	24.84	16	33.1	A2 J	12A	3039	A -16 2200
5		8.3A	53 54.309	-0.0012	18	-14 46 1.72	-0.053	13	0.32	54.329	18	33.1	0.82	16	33.1	G0 J	12A	3040	A -14 2281
6		9.0A	53 55.224	0.0001	21	-15 52 36.84	-0.012	15	0.35	55.223	18	33.1	36.64	16	33.1	K2 J	12A	3041	A -15 2140
7		9.5A	53 58.695	-0.0027	21	-16 51 12.30	0.016	15	0.35	58.741	18	33.1	12.57	16	33.1	K7 J	12A	3042	A -16 2201
8		9.2A	54 0.762	0.0011	21	-17 25 52.93	0.010	15	0.35	0.744	18	33.1	53.10	16	33.1	K7 J	12A	3043	A -17 2237
9		8.8A	54 6.224	-0.0007	15	-10 59 4.16	0.022	15	0.30	6.235	18	33.1	4.53	16	33.1	K0 J	11	2944	A -10 2297
10		9.0A	54 13.099	-0.0018	18	-17 32 8.07	-0.019	13	0.32	13.130	18	33.1	7.75	16	33.1	A0 J	12A	3045	A -17 2239
11		8.0A	54 14.522	0.0001	21	-15 23 24.29	0.006	15	0.35	14.519	18	33.1	24.39	16	33.1	K2 J	12A	3044	A -15 2143
12		8.8A	54 22.473	0.0006	21	-16 29 35.38	-0.014	15	0.35	22.465	18	33.1	35.15	16	33.1	K2 J	12A	3046	A -16 2205
13		9.3A	54 23.055	-0.0018	18	-16 38 13.28	0.000	13	0.32	23.085	18	33.1	13.28	16	33.1	A0 J	12A	3048	A -16 2204
14		9.0A	54 23.073	-0.0014	17	-15 58 50.77	-0.026	15	0.32	23.097	18	33.1	50.33	16	33.1	G0 J	12A	3047	A -15 2144
15		8.3A	54 23.219	0.0001	18	-10 43 34.29	-0.020	20	0.36	23.216	18	33.1	33.94	16	33.1	A0 J	11	2945	A -10 2299
16		7.2T	54 23.825	-0.0043	26	-16 23 46.46	-0.035	22	1.03	24.000	22	08.9	44.97	22	07.3	F5	GC	10750	-16 2206
17		9.1A	54 24.374	-0.0009	15	-10 27 56.57	-0.015	17	0.32	24.390	18	33.1	56.31	16	33.1	A0 J	11	2946	A -10 2300
18		8.2A	54 24.888	-0.0038	17	-12 48 2.77	-0.007	18	0.34	24.953	18	33.1	2.64	16	33.1	K2 J	11	2947	A -12 2229
19		9.1A	54 27.447	0.0007	18	-18 46 0.29	-0.005	13	0.32	27.435	18	33.1	0.20	16	33.1	A0 J	12B	3323	A -18 2093
20		9.0A	54 42.580	-0.0002	17	-12 18 3.74	-0.029	18	0.34	42.583	18	33.1	3.24	16	33.1	A2 J	11	2948	A -12 2231
21		9.2A	54 48.866	-0.0015	17	-13 49 48.63	0.009	18	0.34	48.891	18	33.1	48.79	16	33.1		11	2950	A -13 2316
22		8.8A	54 49.053	0.0006	15	-13 15 33.94	-0.005	17	0.32	49.044	18	33.1	33.85	16	33.1	F8 J	11	2949	A -13 2315
23		8.8A	54 51.747	-0.0004	21	-15 54 4.94	-0.024	15	0.35	51.754	18	33.1	4.54	16	33.1	M0 J	12A	3050	A -15 2148
24		8.9A	54 52.353	-0.0004	18	-11 50 41.12	-0.076	20	0.36	52.359	18	33.1	39.82	16	33.1	A0 J	11	2951	A -11 2177
25		7.9P	54 54.895	-0.0183	12	-14 27 32.23	0.186	09	0.53	55.697	10	06.2	41.61	18	99.6	G0	GC	10759	-14 2293
26		8.4A	54 56.122	0.0014	21	-14 22 59.83	-0.007	15	0.35	56.097	18	33.1	59.71	16	33.1	A0 J	12A	3052	A -14 2292
27		8.6A	55 2.765	-0.0003	17	-10 38 8.01	0.005	18	0.34	2.770	18	33.1	8.09	16	33.1	K0 J	11	2954	A -10 2304
28		9.4A	55 6.682	-0.0003	21	-16 44 0.53	0.006	15	0.35	6.688	18	33.1	0.63	16	33.1	A0 J	12A	3053	A -16 2207
29		8.8A	55 8.487	-0.0015	18	-19 41 10.25	-0.027	13	0.32	8.512	18	33.1	9.79	16	33.1	F8 J	12B	3328	A -19 2153
30		8.5A	55 10.933	-0.0015	15	-11 56 11.08	0.012	17	0.32	10.959	18	33.1	11.28	16	33.1	K0 J	11	2955	A -11 2179
31		8.8A	55 11.011	-0.0008	21	-17 49 33.26	-0.008	15	0.35	11.025	18	33.1	33.13	16	33.1	A3 J	12A	3054	A -17 2247
32		8.7A	55 19.438	-0.0032	18	-14 11 2.72	-0.007	13	0.32	19.492	18	33.1	2.60	16	33.1	K0 J	12A	3055	A -13 2319
33		9.3A	55 20.615	0.0002	18	-16 9 7.96	0.002	15	0.35	20.612	18	33.1	8.00	16	33.1	F5 J	12A	3056	A -15 2151
34		9.5A	55 22.448	-0.0009	21	-15 57 38.98	-0.026	15	0.35	22.464	18	33.1	38.54	16	33.1		12A	3058	A -15 2153
35		8.7A	55 23.982	0.0005	21	-14 23 27.65	-0.038	15	0.35	23.974	18	33.1	27.01	16	33.1	K5 J	12A	3057	A -14 2299
36		8.1A	55 24.793	-0.0010	18	-19 0 20.19	0.008	13	0.32	24.809	18	33.1	20.32	16	33.1	K0 J	12B	3329	A -18 2103
37		8.0A	55 26.735	-0.0010	21	-14 28 17.15	0.009	15	0.35	26.751	18	33.1	17.31	16	33.1	K0 J	12A	3059	A -14 2301
38		8.8A	55 27.260	-0.0013	18	-17 51 27.37	0.007	13	0.32	27.282	18	33.1	27.49	16	33.1	K7 J	12A	3060	A -17 2249
39		8.8A	55 28.790	-0.0053	15	-11 45 4.87	0.068	15	0.30	28.879	18	33.1	6.02	16	33.1	F5 J	11	2958	A -11 2181
40		7.9A	55 34.481	-0.0049	17	-11 43 19.45	0.050	18	0.34	34.565	18	33.1	20.30	16	33.1	F5 J	11	2960	A -11 2182
41		8.1A	55 41.720	-0.0018	15	-10 44 51.84	-0.003	15	0.30	41.750	18	33.1	51.79	16	33.1	K0 J	11	2961K	A -10 2309
42		8.2A	55 47.207	-0.0001	18	-19 8 2.31	-0.014	13	0.32	47.208	18	33.1	2.07	16	33.1	G5 J	12B	3333	A -18 2108
43		8.0A	55 48.026	-0.0004	21	-14 30 24.77	-0.000	15	0.35	48.033	18	33.1	24.76	16	33.1	K5 J	12A	3061	A -14 2304
44		8.9A	55 52.998	-0.0028	21	-17 37 0.84	-0.007	15	0.35	53.046	18	33.1	0.72	16	33.1	G0 J	12A	3062	A -17 2252
45		8.6A	56 0.466	-0.0006	18	-19 46 52.17	-0.007	13	0.32	0.476	18	33.1	52.06	16	33.1	G5 J	12B	3335	A -19 2163
46		8.6A	56 1.123	-0.0013	17	-19 32 4.66	0.004	13	0.31	1.146	18	33.1	4.73	16	33.1	K0 J	12B	3336	A -19 2162
47		8.0A	56 5.804	-0.0018	18	-19 22 27.94	-0.018	13	0.32	5.834	18	33.1	27.63	16	33.1	K0 J	12B	3339	A -19 2164
48		8.9A	56 6.869	-0.0028	18	-15 36 58.08	-0.014	13	0.32	6.918	18	33.1	57.85	16	33.1	A0 J	12A	3064	A -15 2157
49		8.8A	56 7.354	0.0016	21	-14 52 49.67	-0.264	15	0.35	7.327	18	33.1	45.19	16	33.1	M0 J	12A	3063	A -14 2308
50		8.6A	56 9.720	-0.0007	17	-12 49 45.56	0.026	18	0.34	9.732	18	33.1	45.99	16	33.1	K5 J	11	2962	A -12 2247
51		8.5A	7 56 12.240	0.0000	21	-18 3 7.39	0.003	15	0.35	12.240	18	33.1	7.44	16	33.1	F2 J	12A	3066	A -17 2257
52		8.3A	56 12.598	-0.0023	21	-15 6 1.43	0.007	15	0.35	12.637	18	33.1	1.55	16	33.1	K0 J	12A	3065	A -14 2309
53		8.6A	56 21.869	-0.0003	18	-19 18 7.53	-0.018	13	0.32	21.874	18	33.1	7.22	16	33.1	G5 J	12B	3342	A -19 2168
54		9.0A	56 23.957	-0.0008	18	-18 31 39.11	-0.002	12	0.31	23.971	18	33.1	39.07	16	33.1	B9 J	12B	3343	A -18 2110
55		8.1A	56 25.612	-0.0017	21	-15 31 6.99	-0.006	15	0.35	25.641	18	33.1	6.89	16	33.1	K0 J	12A	3067	A -15 2161
56		8.8A	56 26.805	-0.0012	15	-10 48 21.87	-0.005	15	0.30	26.825	18	33.1	21.78	16	33.1	A2 J	11	2963	A -10 2313
57		8.7A	56 27.224	-0.0012	18	-10 53 58.13	-0.043	20	0.36	27.244	18	33.1	57.40	16	33.1	K5 J	11	2964	A -10 2314
58		8.8A	56 32.744	-0.0152	17	-13 10 35.87	-0.142	18	0.34	33.001	18	33.1	33.47	16	33.1	K0 J	11	2966	A -12 2252
59		8.7A	56 33.071	0.0017	21	-14 42 36.74	0.015	15	0.35	33.042	18	33.1	36.99	16	33.1	B9 J	12A	3068	A -14 2310
60		8.7A	56 34.745	-0.0020	18	-11 5 50.05	0.004	20	0.36	34.778	18	33.1	50.12	16	33.1	A0 J	11	2965	A -10 2315
61		8.5A	56 36.745	-0.0020	15	-11 22 41.66	0.003	17	0.32	36.779	18	33.1	41.70	16	33.1	A0 J	11	2967	A -11 2187
62		8.3A	56 38.988	0.0014	21	-16 55 13.51	-0.013	15	0.35	38.964	18	33.1	13.29	16	33.1	K5 J	12A	3070	A -16 2224
63		9.2A	56 39.005	-0.0017	21	-16 1 5.52	0.007	15	0.35	39.034	18	33.1	5.64	16	33.1	K5 J	12A	3069	A -15 2165
64		8.8A	56 41.359	0.0004	18	-16 47 44.59	0.007	13	0.32	41.352	18	33.1	44.71	16	33.1	M0 J	12A	3072	A -16 2225
65		9.4A	56 41.574	-0.0018	21	-16 5 16.45	0.020	15	0.35	41.606	18	33.1	16.79	16	33.1	K2 J	12A	3071	A -15 2166
66		8.8A	56 43.383	-0.0039	15	-13 45 34.87	0.008	15	0.30	43.449	18	33.1	35.01	16	33.1	F0 J	11	2969	A -13 2328
67		8.4A	56 45.568	0.0001	18	-11 39 52.50	-0.019	20	0.36	45.566	18	33.1	52.17	16	33.1	K5 J	11	2968	A -11 2188
68		9.0A	56 51.071	0.0003	18	-11 57 25.89	0.019	20	0.36	51.066	18	33.1	26.21	16	33.1	A J	11	2970	A -11 2189
69		9.1A	56 52.237	0.0010	17	-13 51 3.29	-0.040	17	0.33	52.221	18	33.1	2.62	16	33.1		11	2971	A -13 2332
70		8.2A	56 52.414	0.0021	17	-19 11 51.10	-0.017	15	0.30	52.380	18	33.2	50.81	16	33.2	K2 J	12B	3347	A -18 2114
71		8.9A	56 56.972	0.0007	18	-12 11 41.61	-0.013	20	0.36	56.961	18	33.2	41.38	16	33.2	K7 J	11	2973	A -11 2191
72		8.7A	56 57.067	-0.0019	15	-11 4 54.70	0.001	17	0.31	57.099	18	33.2	54.71	16	33.2	A2 J	11	2972	A -10 2318
73		8.6A	57 0.543	0.0001	17	-16 42 32.46	0.031	15	0.31	0.542	18	33.2	32.98	16	33.2	A0 J	12A	3073	A -16 2226
74		8.8A	57 0.839	-0.0013	12	-10 20 44.30	-0.026	12	0.25	0.860	16	33.6	43.87	16	33.6	A0	16	29794	A -10 2319
75		8.2A	57 1.409	-0.0025	21	-16 32 44.33	-0.012	15	0.35	1.451	18	33.2	44.13	16	33.2	K5 J	12A	3074	A -16 2227
76		9.0A	57 2.985	0.0008	17	-13 50 34.43	0.058	18	0.34	2.972	18	33.2	35.41	16	33.2		11	2975	A -13 2333
77		8.8A	57 4.205	-0.0037	18	-13 11 37.57	-0.016	20	0.36	4.268	18	33.2	37.30	16	33.2	A2 J	11	2976	A -12 2259
78		8.6A	57 4.652	0.0009	21	-17 2 47.26	0.000	15	0.35	4.638	18	33.2	47.26	16	33.2	K7 J	12A	3075	A -16 2229
79		7.4A	57 7.981	-0.0003	13	-19 19 43.87	-0.002	09	0.26	7.987	18	33.2	43.83	16	33.2	A0 J	12B	3352	A -19 2175
80		8.6A	57 8.761	-0.0007	17	-12 22 32.19	0.001	18	0.34	8.773	18	33.2	32.20	16	33.2	K5 J	11	2977	A -12 2260
81		9.4A	57 16.441	0.0019	15	-13 8 53.36	-0.052	17	0.31	16.409	18	33.2	52.48	16	33.2		11	2978	A -12 2261
82		8.1A	57 24.472	0.0015	12	-12 43 45.96	-0.004	13	0.27	24.447	18	33.2	45.89	16	33.2	B9 J	11	2979	A -12 2263
83		8.9A	57 25.132	0.0030	18	-19 37 14.21	0.045	15	0.32	25.081	18	33.2	14.97	16	33.2	A3 J	12B	3357	A -19 2176
84		8.1A	57 28.596	0.0001	15	-13 42 43.22	0.021	17	0.31	28.595	18	33.2	43.58	16	33.2	A0 J	11	29804	A -13 2337
85		9.2A	57 37.212	-0.0021	21	-17 6 25.28	0.016	15	0.35	37.247	18	33.2	25.55	16	33.2	K0 J	12A	3077	A -16 2233
86		9.0A	57 37.268	-0.0001	17	-13 13 50.85	-0.001	18	0.34	37.269	18	33.2	50.83	16	33.2	A3 J	11	2981	A -12 2264
87		4.6M	57 37.538	-0.0006	02	-18 15 39.17	-0.046	02	0.08	37.555	04	21.7	37.86	04	21.3	A2	F4	1212	-18 2118
88		8.9A	57 51.286	-0.0012	12	-10 16 10.07	-0.054	12	0.25	51.305	16	33.6	9.17	16	33.6	K2	16	2990	A -10 2329
89		7.1T	57 54.157	-0.0042	15	-16 48 53.14	0.001	13	0.66	54.337	22	06.9	53.19	18	04.7	K0	GC	10842	-16 2237
90		8.9A	57 55.353	-0.0001	21	-16 2 47.81	0.006	15	0.35	55.354	18	33.2	47.92	16	33.2	K2 J	12A	3080	A -15 2180
91		8.9A	57 55.730	-0.0003	18	-18 1 53.04	-0.017	13	0.32	55.735	18	33.2	52.76	16	33.2	K7 J	12A	3081	A -17 2272
92		8.5A	57 57.213	0.0002	18	-13 42 2.95	0.022	20	0.36	57.209	18	33.2	3.32	16	33.2	K2 J	11	2985	A -13 2338
93		8.9A	57 57.233	-0.0036	12	-10 11 54.48	0.008	12	0.25	57.291	16	33.6	54.60	16	33.6	F8	16	2991	A -9 2324
94		9.0A	57 57.776	0.0021	21	-17 42 13.08	-0.026	15	0.35	57.742	18	33.2	12.64	16	33.2	K5 J	12A	3082	A -17 2273
95		9.0A	57 58.113	-0.0014	17	-13 23 23.51	0.011	18	0.34	58.136	18	33.2	23.69	16	33.2	F2 J	11	2986	A -13 2339
96		8.9A	57 58.492	-0.0008	18	-11 26 0.47	-0.013	20	0.36	58.505	18	33.2	0.24	16	33.2	A0 J	11	2984	A -11 2196
97		9.0A	58 1.595	-0.0016	17	-19 35 42.74	0.004	13	0.30	1.622	18	33.2	42.81	16	33.2	A2 J	12B	3365	A -19 2185
98		8.2A	58 4.381	-0.0005	16	-17 51 58.03	-0.024	13	0.32	4.390	18	33.2	57.63	16	33.2	K5 J	12A	3083	A -17 2274
99		8.6A	58 6.316	-0.0031	17	-12 21 46.84	-0.001	18	0.34	6.369	18	33.2	46.83	16	33.2	K0 J	11	2988	A -12 2269
00		9.0A	58 8.039	0.0003	18	-10 53 48.17	-0.025	20	0.36	8.034	18	33.2	47.74	16	33.2	K7 J	11	2987	A -10 2330

153700

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ s	σ_μ .001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ .001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ .01	ep.	δ_2 ″	σ' .01	ep.	SP.		CAT.	STAR NUMBER	DM NUMBER
1		9.0A	7 58 10.516	-0.0025	20	-13 46 3.52	0.049	20	0.37	10.558	18	33.2	4.35	16	33.2	A2	J	11	2989	A -13 2341
2		8.8A	58 13.208	-0.0016	17	-19 56 15.38	-0.007	13	0.30	13.234	18	33.2	15.27	16	33.2	A2	J	12B	3366	A -19 2186
3		8.4A	58 14.212	0.0022	21	-16 53 41.70	-0.062	15	0.35	14.174	18	33.2	40.66	16	33.2	K0	J	12A	3085	A -16 2240
4		8.3A	58 14.300	-0.0004	21	-17 47 30.01	-0.005	15	0.35	14.307	18	33.2	29.93	16	33.2	K2	J	12A	3086	A -17 2276
5		8.4A	58 16.502	0.0016	21	-14 39 56.33	0.004	15	0.35	16.474	18	33.2	56.39	16	33.2	K7	J	12A	3084	A -14 2319
6		9.5A	58 16.774	0.0004	15	-11 2 4.43	-0.086	17	0.31	16.767	18	33.2	2.98	16	33.2	A0	J	11	2990	A -10 2332
7		9.6A	58 18.081	-0.0036	15	-11 2 9.71	-0.012	17	0.31	18.141	18	33.2	9.51	16	33.2	A0	J	11	2991	A -10 2332
8		9.3A	58 18.857	-0.0005	21	-17 29 43.15	0.020	15	0.35	18.866	18	33.2	43.49	16	33.2	K0	J	12A	3087	A -17 2277
9		9.0A	58 22.558	-0.0001	18	-12 55 20.43	-0.000	20	0.36	22.559	18	33.2	20.42	16	33.2			11	2992	A -12 2272
10		8.6A	58 22.959	-0.0004	21	-14 31 33.34	-0.005	15	0.35	22.965	18	33.2	33.25	16	33.2	M	J	12A	3088	A -14 2320
11		9.4A	58 23.697	-0.0030	21	-16 25 48.22	-0.021	15	0.35	23.747	18	33.2	47.87	16	33.2	A0	J	12A	3089	A -16 2242
12		8.9A	58 25.491	0.0017	17	-12 56 0.34	0.004	18	0.34	25.462	18	33.2	0.40	16	33.2	F2	J	11	2993	A -12 2273
13		9.1A	58 28.209	0.0015	17	-12 54 24.07	-0.028	18	0.34	28.184	18	33.2	23.59	16	33.2	A5	J	11	2994	A -12 2274
14		8.0A	58 36.725	0.0020	18	-15 35 57.82	-0.061	13	0.32	36.691	18	33.2	56.80	16	33.2	A5	J	12A	3090	A -15 2190
15		9.3A	58 37.028	0.0013	20	-13 25 24.20	-0.037	20	0.37	37.006	18	33.2	23.57	16	33.2	A5	J	11	2996	A -13 2342
16		8.7A	58 37.413	0.0017	18	-13 37 56.05	0.017	20	0.36	37.384	18	33.2	56.34	16	33.2	A0	J	11	2997	A -13 2343
17		9.2A	58 41.766	0.0001	21	-14 12 0.91	-0.041	15	0.35	41.765	18	33.2	0.22	16	33.2	A0	J	12A	3091	A -13 2344
18		8.3A	58 42.961	0.0012	18	-13 59 55.72	-0.006	20	0.36	42.941	18	33.2	55.62	16	33.2	A3	J	11	2999	A -13 2345
19		8.8A	58 46.288	-0.0023	21	-14 22 14.34	-0.026	15	0.35	46.327	18	33.2	13.91	16	33.2	K5	J	12A	3092	A -14 2326
20		8.6A	58 52.307	-0.0017	17	-18 59 40.48	-0.007	13	0.30	52.335	18	33.2	40.36	16	33.2	A0	J	12B	3370	A -18 2127
21		8.9A	58 54.352	-0.0018	21	-17 1 10.22	0.028	15	0.35	54.382	18	33.2	10.69	16	33.2	M0	J	12A	3093	A -16 2247
22		8.8A	58 57.632	-0.0024	18	-12 5 28.43	0.017	20	0.36	57.673	18	33.2	28.71	16	33.2	A0	J	11	3001	A -11 2200
23		8.9A	58 58.909	-0.0035	18	-13 58 55.54	0.016	20	0.36	58.968	18	33.2	55.81	16	33.2	A2	J	11	3002	A -13 2346
24		8.9A	59 2.492	0.0017	17	-13 5 8.27	0.012	18	0.34	2.463	18	33.2	8.47	16	33.2	F2	J	11	3003	A -12 2279
25		8.6A	59 3.995	0.0016	12	-12 39 13.68	-0.004	13	0.27	3.968	18	33.2	13.61	16	33.2	A0	J	11	3004	A -12 2280
26		9.3A	59 9.288	-0.0026	18	-16 36 23.23	0.005	13	0.32	9.332	18	33.2	23.32	16	33.2	G5	J	12A	3094	A -16 2249
27		9.0A	59 13.098	-0.0018	18	-11 35 31.65	-0.018	20	0.36	13.128	18	33.2	31.34	16	33.2	M0	J	11	3005	A -11 2203
28		9.3A	59 13.693	0.0018	13	-12 39 6.88	0.011	17	0.30	13.663	18	33.2	7.06	16	33.2			11	3006	A -12 2282
29		8.1A	59 16.901	0.0037	21	-15 6 56.50	-0.005	15	0.35	16.839	18	33.2	56.42	16	33.2	K0	J	12A	3095	A -14 2331
30		8.0A	59 19.626	-0.0031	18	-14 37 14.86	-0.026	13	0.32	19.678	18	33.2	14.42	16	33.2	K5	J	12A	3096	A -14 2332
31		7.9A	59 20.153	-0.0007	15	-18 30 4.17	-0.008	11	0.28	20.164	18	33.2	4.03	16	33.2	K2	J	12B	3374	A -18 2130
32		8.9A	59 20.446	-0.0013	15	-12 35 26.70	-0.018	17	0.31	20.469	18	33.2	26.39	16	33.2	M1	J	11	3007	A -12 2283
33		9.0A	59 29.816	-0.0014	15	-10 38 1.08	-0.010	15	0.30	29.838	18	33.2	0.91	16	33.2	K2	J	11	3008	A -10 2342
34		8.4A	59 36.358	0.0013	21	-15 27 25.21	-0.027	15	0.35	36.336	18	33.2	24.76	16	33.2	K0	J	12A	3097	A -15 2201
35		9.0A	59 41.758	-0.0023	18	-18 22 1.64	-0.003	13	0.32	41.797	18	33.2	1.59	16	33.2	F8	J	12B	3378	A -18 2134
36		8.4A	59 45.128	-0.0072	15	-12 39 40.62	-0.210	15	0.30	45.250	18	33.2	37.08	16	33.2	G5	J	11	3009	A -12 2288
37		9.2A	59 45.420	-0.0011	21	-17 27 27.68	-0.002	15	0.35	45.438	18	33.2	27.64	16	33.2	B9	J	12A	3100	A -17 2292
38		9.4A	59 46.164	-0.0017	21	-14 44 35.74	-0.012	15	0.35	46.193	18	33.2	35.53	16	33.2	F2	J	12A	3099	A -14 2335
39		9.1A	59 52.678	-0.0001	17	-18 32 21.27	-0.010	12	0.30	52.681	18	33.2	21.10	16	33.2	G0	J	12B	3382	A -18 2135
40		8.5A	59 53.487	-0.0020	17	-12 8 48.89	0.008	18	0.34	53.520	18	33.2	49.02	16	33.2	A3	J	11	3010	A -11 2207
41		9.1A	59 56.256	-0.0011	17	-19 19 29.92	-0.004	13	0.30	56.274	18	33.2	29.85	16	33.2	K5	J	12B	3384	A -19 2204
42		9.0A	59 58.987	-0.0016	17	-12 39 53.22	-0.032	18	0.34	59.014	18	33.2	52.68	16	33.2	G5	J	11	3012	A -12 2291
43	8	9.5A	0 4.448	0.0009	18	-13 31 14.33	0.009	20	0.36	4.433	18	33.2	14.48	16	33.2			11	3013	A -13 2353
44		9.1A	0 9.126	0.0005	13	-13 26 40.39	0.010	15	0.29	9.118	18	33.2	40.55	16	33.2			11	3015	A -13 2354
45		8.8A	0 10.261	-0.0010	18	-11 49 50.08	0.031	20	0.36	10.278	18	33.2	50.60	16	33.2	K7	J	11	3014	A -11 2208
46		8.7A	0 12.971	0.0015	21	-15 13 6.72	-0.000	15	0.35	12.946	18	33.2	6.72	16	33.2	K7	J	12A	3101	A -14 2340
47		8.5A	0 13.731	-0.0020	15	-12 13 35.51	0.008	17	0.31	13.764	18	33.2	35.64	16	33.2	F0	J	11	3016	A -11 2209
48		9.0A	0 14.797	-0.0077	21	-16 45 22.94	0.024	15	0.35	14.927	18	33.2	23.35	16	33.2	F8	J	12A	3102	A -16 2255
49		8.6A	0 17.591	-0.0015	18	-15 7 59.54	0.006	13	0.32	17.617	18	33.2	59.64	16	33.2	A0	J	12A	3103	A -14 2341
50		8.9A	0 20.022	-0.0018	17	-15 18 13.36	0.003	12	0.30	20.052	18	33.2	13.41	16	33.2	K5	J	12A	3104	A -15 2211
51	8	8.5A	0 20.786	-0.0019	21	-14 54 20.27	0.027	15	0.35	20.817	18	33.2	20.72	16	33.2	M0	J	12A	3105	A -14 2342
52		9.0A	0 25.298	0.0004	21	-17 32 11.36	-0.013	15	0.35	25.292	18	33.2	11.14	16	33.2	A0	J	12A	3106	A -17 2295
53		9.1A	0 26.706	-0.0003	17	-10 57 35.62	-0.020	18	0.34	26.711	18	33.2	35.28	16	33.2	K0	J	11	3017	A -10 2351
54		8.6A	0 32.135	-0.0016	21	-16 34 11.51	0.012	15	0.35	32.162	18	33.2	11.71	16	33.2	G0	J	12A	3107	A -16 2257
55		8.6A	0 51.225	-0.0004	15	-13 30 15.70	-0.005	15	0.30	51.232	18	33.2	15.62	16	33.2	A2	J	11	3018	A -13 2360
56		9.3A	0 54.447	0.0004	15	-11 42 34.23	-0.004	17	0.31	54.440	18	33.2	34.16	16	33.2			11	3019	A -11 2211
57		9.0A	0 57.075	-0.0007	21	-16 9 29.19	-0.002	15	0.35	57.086	18	33.2	29.16	16	33.2	B9	J	12A	3108	A -15 2222
58		9.2A	0 58.790	-0.0002	12	-10 21 4.24	-0.045	12	0.25	58.794	16	33.6	3.50	16	33.6	F8		16	3021	A -10 2355
59		9.0A	0 59.372	-0.0019	15	-12 45 13.30	0.001	17	0.31	59.404	18	33.2	13.31	16	33.2	G5	J	11	3021	A -12 2300
60		8.4A	1 3.375	-0.0015	21	-16 32 30.52	0.005	15	0.35	3.400	18	33.2	30.60	16	33.2	F0	J	12A	3109	A -16 2263
61		8.4Q	1 3.509	-0.0009	12	-13 3 41.56	-0.033	08	0.45	3.545	15	09.8	40.06	17	04.8	K0		GC	10934K	B*-12 2302
62		8.1A	1 4.274	-0.0025	18	-18 26 39.07	-0.005	13	0.32	4.317	18	33.2	38.99	16	33.2	A2	J	12B	3393	A -18 2147
63		9.2A	1 4.621	0.0011	17	-16 8 22.53	-0.007	12	0.30	4.632	18	33.2	22.42	16	33.2	A5	J	12A	3110	A -15 2223
64		9.4A	1 5.405	-0.0015	21	-17 18 41.74	-0.010	15	0.35	5.431	18	33.2	41.57	16	33.2	F5	J	12A	3111	A -17 2299
65		8.9A	1 11.630	-0.0007	17	-10 56 23.56	0.010	18	0.34	11.642	18	33.2	23.72	16	33.2	A2	J	11	3023	A -10 2356
66		8.4A	1 12.897	-0.0029	21	-15 12 38.67	-0.004	15	0.35	12.945	18	33.2	38.60	16	33.2	K5	J	12A	3113	A -14 2348
67		8.9A	1 17.318	-0.0004	15	-11 55 52.05	-0.022	17	0.31	17.325	18	33.2	51.67	16	33.2	A0	J	11	3024	A -11 2217
68		8.7A	1 19.566	-0.0002	15	-10 50 53.25	0.009	18	0.33	19.570	18	33.2	53.39	16	33.2	A0	J	11	3025	A -10 2357
69		8.9A	1 27.514	-0.0004	18	-16 22 58.61	-0.008	13	0.32	27.519	18	33.2	58.48	16	33.2	M0	J	12A	3114	A -16 2266
70		9.0A	1 29.765	-0.0018	12	-10 20 16.99	-0.012	12	0.25	29.794	16	33.6	16.79	16	33.6	K2		16	3028	A -10 2360
71		8.9A	1 32.706	-0.0023	21	-15 43 54.24	-0.018	15	0.35	32.745	18	33.2	53.94	16	33.2	K0	J	12A	3115	A -15 2230
72		9.2A	1 34.498	-0.0004	21	-17 25 19.99	0.005	15	0.35	34.504	18	33.2	20.08	16	33.2	F2	J	12A	3116	A -17 2304
73		9.0A	1 37.721	-0.0019	15	-19 7 59.76	0.008	11	0.28	37.752	18	33.2	59.89	16	33.2	A0	J	12B	3397	A -18 2151
74		9.0A	1 40.133	-0.0012	21	-14 45 43.25	0.004	15	0.35	40.153	18	33.2	43.31	16	33.2	M0	J	12A	3117	A -14 2351
75		8.5A	1 40.570	-0.0008	17	-16 11 59.65	-0.030	12	0.30	40.583	18	33.2	59.15	16	33.2	K0	J	12A	3118	A -15 2232
76		8.3A	1 43.420	-0.0007	21	-15 31 53.86	0.000	15	0.35	43.431	18	33.2	53.86	16	33.2	A0	J	12A	3119	A -15 2233
77		7.8A	1 45.388	0.0005	11	-10 17 10.38	-0.040	11	0.23	45.379	16	33.6	9.71	16	33.6	K0		16	3029	A -10 2362
78		9.1A	1 50.775	-0.0004	13	-19 13 30.00	0.018	11	0.26	50.782	18	33.2	30.30	16	33.2	A0	J	12B	3399	A -18 2154
79		8.8A	1 51.059	-0.0011	15	-11 42 36.80	-0.002	17	0.31	51.078	18	33.2	36.76	16	33.2	K0	J	11	3028	A -11 2222
80		8.9A	1 53.861	-0.0005	17	-16 21 35.56	-0.016	11	0.29	53.870	18	33.2	35.29	16	33.2	K0	J	12A	3120	A -16 2271
81		9.1A	1 56.804	-0.0024	13	-12 47 59.87	0.002	15	0.29	56.844	18	33.2	59.90	16	33.2	F8	J	11	3029	A -12 2313
82		9.2A	1 57.966	-0.0009	21	-17 7 16.07	0.009	15	0.35	57.980	18	33.2	16.22	16	33.2	A2	J	12A	3121	A -16 2272
83		8.3A	1 59.781	-0.0018	12	-10 10 53.32	-0.044	12	0.25	59.810	16	33.6	52.59	16	33.6	F5		16	3031	A -9 2351
84		8.6A	2 6.925	-0.0023	13	-10 6 25.01	-0.011	13	0.27	6.962	16	33.6	24.82	16	33.6	G5		16	3034	A -9 2352
85		8.1A	2 8.009	-0.0002	17	-12 59 35.67	0.003	18	0.34	8.012	18	33.2	35.71	16	33.2	B5	J	11	3033	A -12 2315
86		8.7A	2 8.410	0.0012	17	-10 29 43.14	-0.003	18	0.34	8.390	18	33.2	43.08	16	33.2	K2	J	11	3032	A -10 2366
87		9.1A	2 13.180	-0.0003	21	-15 39 6.05	-0.009	15	0.35	13.186	18	33.2	5.90	16	33.2	K2	J	12A	3122	A -15 2237
88		8.7Q	2 14.534	-0.0004	12	-19 38 0.33	-0.001	08	0.49	14.549	10	06.4	0.28	17	99.9	K5		GC	10957	-19 2224
89		9.2A	2 15.711	-0.0018	21	-15 43 26.41	0.024	15	0.35	15.742	18	33.2	26.82	16	33.2	M0	J	12A	3123	A -15 2238
90		6.6T	2 16.996	-0.0005	05	-17 31 21.18	-0.006	04	0.24	17.022	10	02.8	20.86	10	94.5	K5		GC	10958	B*-17 2311
91		7.6A	2 17.258	-0.0030	18	-18 50 27.22	-0.025	13	0.32	17.309	18	33.2	26.80	16	33.2	K2	J	12B	3405	A -18 2155
92		9.0A	2 21.896	-0.0026	21	-14 45 13.84	-0.020	15	0.35	21.939	18	33.2	13.50	16	33.2	A2	J	12A	3125	A -14 2355
93		8.7A	2 22.035	-0.0003	15	-11 53 10.88	-0.021	17	0.31	22.041	18	33.2	10.53	16	33.2	K5	J	11	3034	A -11 2226
94		9.0A	2 22.596	-0.0006	00	-19 38 1.60	-0.002	15	0.25	22.606	18	33.2	1.57	16	33.2	A0	J	12B	3407	A -19 2226
95		9.0A	2 23.183	-0.0007	21	-15 49 27.48	0.010	15	0.35	23.195	18	33.2	27.65	16	33.2	A2	J	12A	3127	A -15 2240
96		8.1T	2 28.224	-0.0002	06	-19 35 6.67	0.000	05	0.36	28.233	15	93.0	6.68	14	89.7	B3		GC	10964	-19 2228
97		8.1A	2 32.650	-0.0020	17	-13 48 4.48	0.029	18	0.34	32.683	18	33.2	4.97	16	33.2	M1	J	11	3035	A -13 2375
98		8.9A	2 36.103	-0.0024	21	-15 14 51.33	-0.009	15	0.35	36.143	18	33.2	51.18	16	33.2	F5	J	12A	3129	A -14 2359
99		9.1A	2 39.238	0.0002	12	-10 18 15.47	-0.011	11	0.24	39.235	16	33.6	15.28	16	33.6	A2		16	3045	A -10 2370
00		9.1A	2 41.894	-0.0098	18	-19 56 8.76	0.111	13	0.32	42.058	18	33.2	10.63	16	33.2	K2	J	12B	3412	A -19 2230

SOURCE

-10° 7H

153800

EPOCH 1950 — ORIGINAL EPOCH — SOURCE — -10° 8H

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	CAT.	STAR NUMBER	DM NUMBER
1		9.0A	8 2 44.310	-0.0001	21	-17 38 38.08	0.001	15	0.35	44.313	18	33.2	38.10	16	33.2	B9 J	12A	3132	A -17 2317
2		8.8A	2 44.535	-0.0023	18	-15 46 31.22	-0.012	13	0.32	44.572	18	33.2	31.02	16	33.2	F5 J	12A	3131	A -15 2241
3		8.0A	2 51.440	0.0002	21	-16 52 50.31	-0.004	15	0.35	51.437	18	33.2	50.24	16	33.2	K0 J	12A	3133	A -16 2277
4		9.2A	2 54.600	-0.0007	21	-17 4 39.92	-0.006	15	0.35	54.612	18	33.2	39.82	16	33.2	K7 J	12A	3134	A -16 2278
5		8.8A	2 56.830	0.0021	21	-16 30 53.55	-0.005	15	0.35	56.595	18	33.2	53.47	16	33.2	A3 J	12A	3135	A -16 2279
6		9.0A	2 58.180	-0.0018	21	-15 28 32.03	-0.020	15	0.35	58.210	18	33.2	31.70	16	33.2	K0 J	12A	3136	A -15 2243
7		8.7A	2 59.286	-0.0015	15	-19 15 18.57	-0.004	11	0.28	59.310	18	33.2	18.50	16	33.2	B9 J	12B	3414	A -18 2159
8		8.3A	3 2.441	-0.0003	21	-14 31 50.63	0.002	15	0.35	2.446	18	33.2	50.66	16	33.2	K5 J	12A	3137	A -14 2362
9		8.9A	3 3.402	0.0027	21	-17 50 29.33	-0.007	15	0.35	3.357	18	33.2	29.21	16	33.2	G5 J	12A	3139	A -17 2321
10		9.2A	3 4.363	-0.0010	17	-14 8 27.48	0.003	15	0.31	4.379	18	33.2	27.53	16	33.2	A0 J	12A	3138	A -13 2380
11		9.0A	3 5.683	0.0011	17	-18 12 39.43	-0.019	12	0.30	5.684	18	33.2	39.11	16	33.2	M1 J	12B	3416	A -17 2322
12		8.9A	3 6.612	-0.0006	15	-10 28 33.48	-0.035	15	0.30	6.622	18	33.2	32.89	16	33.2	F8 J	11	3037	A -10 2372
13		8.9A	3 10.027	-0.0008	15	-11 20 37.03	0.009	17	0.31	10.040	18	33.2	37.17	16	33.2	A0 J	11	3039	A -11 2229
14		8.6A	3 11.094	-0.0010	18	-18 16 32.25	-0.013	13	0.32	11.111	18	33.2	32.04	16	33.2	A2 J	12A	3141	A -18 2162
15		7.7A	3 11.735	-0.0035	15	-13 25 43.87	0.004	17	0.31	11.794	18	33.2	43.93	16	33.2	A0 J	11	3041	A -13 2381
16		8.7A	3 14.127	-0.0008	17	-11 10 49.47	0.017	18	0.34	14.141	18	33.2	49.75	16	33.2	K5 J	11	3040	A -10 2375
17		8.7A	3 19.047	-0.0006	17	-10 31 25.77	0.015	17	0.33	19.057	18	33.2	26.02	16	33.2	K0 J	11	3042	A -10 2377
18		9.2A	3 26.500	-0.0010	21	-17 58 30.23	-0.016	15	0.35	26.517	18	33.2	29.96	16	33.2	A0 J	12A	3143	A -17 2324
19		8.8A	3 28.781	-0.0006	17	-13 58 9.13	-0.002	18	0.34	28.790	18	33.2	9.10	16	33.2	K5 J	11	3043	A -13 2382
20		9.4A	3 29.187	0.0017	21	-16 13 8.74	-0.003	15	0.35	29.157	18	33.2	8.69	16	33.2	B5 J	12A	3144	A -15 2250
21		8.8A	3 30.053	-0.0018	21	-14 21 39.70	0.003	15	0.35	30.083	18	33.2	39.75	16	33.2	A0 J	12A	3142	A -14 2365
22		9.0A	3 31.017	-0.0021	13	-12 53 3.25	-0.028	15	0.29	31.052	18	33.2	2.77	16	33.2	K0 J	11	3044	A -12 2328
23		9.2A	3 31.281	-0.0020	21	-15 13 25.01	-0.009	15	0.35	31.315	18	33.2	24.86	16	33.2	F5 J	12A	3145	A -14 2366
24		8.7A	3 35.649	-0.0056	15	-12 0 49.14	-0.001	17	0.31	35.743	18	33.2	49.12	16	33.2	G5 J	11	3046	A -11 2234
25		9.0A	3 35.946	-0.0002	15	-12 47 59.00	-0.015	17	0.31	35.949	18	33.2	58.74	16	33.2	A0 J	11	3047	A -12 2329
26		8.4A	3 37.122	0.0006	17	-13 48 57.32	0.016	18	0.34	37.113	18	33.2	57.59	16	33.2	K0 J	11	3048	A -13 2384
27		8.4A	3 37.161	-0.0001	21	-16 15 23.01	0.012	15	0.35	37.162	18	33.2	23.22	16	33.2	K5 J	12A	3146	A -15 2253
28		8.5A	3 37.902	-0.0001	18	-18 10 2.73	-0.038	13	0.32	37.903	18	33.2	2.09	16	33.2	K0 J	12B	3421	A -17 2326
29		9.1A	3 39.801	-0.0017	20	-18 6 16.37	0.000	15	0.34	39.831	18	33.2	16.37	16	33.2	K5 J	12B	3423	A -17 2327
30		9.4A	3 42.725	-0.0022	21	-16 37 17.32	-0.026	15	0.35	42.762	18	33.2	16.88	16	33.2	G5 J	12A	3149	A -16 2285
31		9.4A	3 43.854	0.0027	21	-16 40 1.23	0.006	15	0.35	43.809	18	33.2	1.33	16	33.2	K5 J	12A	3150	A -16 2286
32		8.9A	3 45.664	-0.0007	15	-12 31 28.55	-0.003	17	0.31	45.677	18	33.2	28.49	16	33.2	F0 J	11	3049	A -12 2330
33		6.8T	3 45.751	-0.0008	17	-19 44 52.54	0.042	15	0.75	45.784	21	05.9	54.50	19	03.6	B9	GC	10996	-19 2240
34		8.6A	3 55.035	-0.0007	17	-11 41 15.03	-0.008	18	0.34	55.046	18	33.2	14.89	16	33.2	K5 J	11	3050	A -11 2236
35		8.7A	3 56.750	-0.0021	15	-13 7 44.95	-0.020	15	0.30	56.785	18	33.2	44.61	16	33.2	A0 J	11	3051	A -12 2334
36		9.1A	3 57.057	0.0014	21	-16 39 45.50	-0.034	15	0.35	57.033	18	33.2	46.07	16	33.2	K0 J	12A	3151	A -16 2287
37		7.8A	4 2.483	-0.0008	18	-18 13 42.13	-0.028	13	0.32	2.496	18	33.2	41.66	16	33.2	A0 J	12B	3431	A -17 2331
38		8.6A	4 5.914	-0.0022	17	-12 58 16.53	-0.023	18	0.34	5.952	18	33.2	16.91	16	33.2	A5 J	11	3053	A -12 2338
39		9.5A	4 6.669	-0.0045	18	-17 12 11.92	-0.014	13	0.32	6.744	18	33.2	11.69	16	33.2	A2 J	12A	3154	A -16 2289
40		9.1A	4 6.720	-0.0022	15	-13 28 23.40	0.016	15	0.30	6.758	18	33.2	23.66	16	33.2	A0 J	11	3054	A -13 2385
41		8.7A	4 6.750	-0.0006	15	-11 25 46.31	0.012	17	0.31	6.761	18	33.2	46.51	16	33.2	M0 J	11	3052	A -11 2237
42		9.4A	4 8.661	-0.0018	21	-14 26 18.46	0.015	15	0.35	8.691	18	33.2	18.72	16	33.2	G5 J	12A	3153	A -14 2368
43		8.8A	4 11.523	-0.0010	21	-17 3 12.13	0.005	15	0.35	11.540	18	33.2	12.22	16	33.2	K0 J	12A	3155	A -16 2291
44		8.9A	4 12.941	-0.0016	15	-13 31 2.96	-0.013	17	0.31	12.969	18	33.2	2.75	16	33.2	A2 J	11	3055	A -13 2387
45		8.2A	4 14.293	-0.0018	17	-19 40 53.29	-0.027	13	0.30	14.323	18	33.2	52.83	16	33.2	K0 J	12B	3433	A -19 2243
46		9.4A	4 21.219	-0.0011	20	-19 57 37.36	-0.007	15	0.34	21.238	18	33.2	37.25	16	33.2	A0 J	12B	3437	A -19 2246
47		8.8A	4 21.788	-0.0027	21	-14 43 16.29	-0.085	15	0.35	21.834	18	33.2	14.85	16	33.2	F5 J	12A	3156	A -14 2372
48		8.0A	4 23.174	-0.0014	21	-17 9 9.95	0.004	15	0.35	23.198	18	33.2	10.02	16	33.2	G5 J	12A	3157	A -16 2295
49		9.1A	4 23.513	-0.0014	15	-10 37 4.11	-0.048	15	0.30	23.536	18	33.2	3.30	16	33.2	K5 J	11	3056	A -10 2385
50		8.8A	4 25.573	-0.0000	21	-15 47 29.12	0.006	15	0.35	25.574	18	33.2	29.22	16	33.2	M0 J	12A	3158	A -15 2258
51		9.0A	8 4 27.663	-0.0028	15	-12 9 41.74	0.011	17	0.31	27.710	18	33.2	41.93	16	33.2	K0 J	11	3057	A -11 2239
52		9.0A	4 30.526	-0.0006	21	-17 41 41.67	0.009	15	0.35	30.536	18	33.2	41.83	16	33.2	B5 J	12A	3159	A -17 2333
53		9.0A	4 35.201	-0.0016	18	-15 55 49.09	-0.017	13	0.32	35.228	18	33.2	48.81	16	33.2	M1 J	12A	3161	A -15 2260
54		8.0A	4 36.320	-0.0020	21	-14 9 4.32	-0.005	15	0.35	36.353	18	33.2	4.24	16	33.2	F0 J	12A	3160	A -13 2391
55		9.1A	4 36.386	-0.0010	12	-10 19 4.96	-0.018	12	0.26	36.402	16	33.1	4.65	16	33.1	A0		16	3068	A -10 2396
56		8.3A	4 37.052	-0.0031	21	-15 39 51.16	0.009	15	0.35	37.104	18	33.2	51.32	16	33.2	K0 J	12A	3162	A -15 2261
57		7.7A	4 45.144	-0.0036	21	-14 10 33.01	-0.017	15	0.35	45.204	18	33.2	32.73	16	33.2	K0 J	12A	3163	A -13 2392
58		9.2A	4 47.348	-0.0029	18	-16 26 32.44	-0.033	13	0.32	47.396	18	33.2	31.89	16	33.2	F0 J	12A	3165	A -16 2300
59		8.4A	4 51.681	-0.0019	21	-14 27 41.49	-0.039	15	0.35	51.712	18	33.2	40.84	16	33.2	K5 J	12A	3166	A -14 2375
60		6.5T	5 0.146	-0.0035	18	-17 13 24.54	0.022	14	0.83	0.312	24	02.2	25.67	21	98.8	K2	GC	11025	-16 2304
61		8.8A	5 2.767	-0.0029	18	-17 52 39.55	-0.028	13	0.32	2.817	18	33.2	39.08	16	33.2	G0 J	12A	3168	A -17 2337
62		8.9A	5 3.868	-0.0017	15	-11 41 24.00	-0.028	15	0.30	3.897	18	33.2	23.52	16	33.2	A0 J	11	3062	A -11 2243
63		9.0A	5 11.921	-0.0005	15	-13 10 46.53	-0.016	15	0.30	11.930	18	33.2	46.26	16	33.2	A0 J	11	3063	A -12 2344
64		8.4A	5 16.035	-0.0039	15	-11 30 53.76	-0.075	17	0.31	16.100	18	33.2	52.50	16	33.2	G0 J	11	3064	A -11 2245
65		9.0A	5 19.823	-0.0013	11	-10 15 3.41	-0.016	11	0.24	19.862	16	33.1	3.14	16	33.1	A2		16	3074	A -9 2383
66		9.0A	5 21.719	0.0004	21	-17 27 3.86	0.058	15	0.35	21.712	18	33.2	4.84	16	33.2	F0 J	12A	3169	A -17 2340
67		8.8A	5 24.991	-0.0015	15	-12 48 23.03	0.005	15	0.30	25.017	18	33.2	23.11	16	33.2	A0 J	11	3066	A -12 2346
68		8.5A	5 33.194	-0.0019	17	-19 0 58.09	-0.012	12	0.30	33.226	18	33.2	57.89	16	33.2	B8 J	12B	3454	A -18 2181
69		7.2T	5 41.900	-0.0018	11	-13 21 39.87	-0.018	08	0.53	41.992	19	98.2	38.85	17	94.0	F8	GC	11042	-13 2401
70		9.1A	5 45.145	0.0011	21	-16 52 12.21	0.014	15	0.35	45.127	18	33.2	12.45	16	33.2	G5 J	12A	3170	A -16 2310
71		8.8A	5 48.684	-0.0010	21	-14 30 33.59	-0.008	15	0.35	48.701	18	33.2	33.45	16	33.2	M J	12A	3171	A -14 2382
72		9.6A	5 49.864	-0.0057	21	-16 6 22.68	-0.065	15	0.35	49.960	18	33.2	21.59	16	33.2	K0 J	12A	3172	A -15 2269
73		8.8A	5 54.528	-0.0010	12	-10 12 18.75	0.007	12	0.26	54.544	16	33.1	18.86	16	33.1	K0		16	3083	A -9 2389
74		8.8A	5 56.954	-0.0023	21	-17 38 16.09	-0.008	15	0.35	56.993	18	33.2	16.23	16	33.2	M0 J	12A	3173	A -17 2349
75		8.9A	5 58.955	0.0005	15	-11 28 38.32	-0.016	15	0.30	58.946	18	33.2	38.05	16	33.2	A2 J	11	3069	A -11 2250
76		8.9A	6 1.946	-0.0049	15	-11 8 22.62	-0.008	15	0.30	2.028	18	33.2	22.49	16	33.2	G5 J	11	3070	A -10 2395
77		8.5A	6 4.818	0.0018	21	-15 0 55.62	-0.009	15	0.35	4.788	18	33.2	55.47	16	33.2	A0 J	12A	3174	A -14 2385
78		9.1A	6 11.108	0.0017	15	-12 53 39.21	-0.024	15	0.30	11.078	18	33.2	38.80	16	33.2	A J	11	3071	A -12 2352
79		8.4A	6 13.036	0.0017	21	-15 4 28.24	0.002	15	0.35	13.007	18	33.2	28.27	16	33.2	G5 J	12A	3175	A -14 2387
80		9.0A	6 17.782	-0.0004	17	-19 9 51.62	0.022	12	0.30	17.769	18	33.2	51.99	16	33.2	K5 J	12B	3461	A -18 2186
81		8.2A	6 24.334	-0.0001	20	-19 41 34.24	-0.010	15	0.34	24.336	18	33.2	34.08	16	33.2	K0 J	12B	3465	A -19 2261
82		8.6A	6 24.487	-0.0001	18	-18 14 55.92	-0.011	13	0.32	24.489	18	33.2	55.74	16	33.2	A0 J	12B	3463	A -17 2352
83		8.9A	6 25.969	-0.0021	15	-12 36 31.27	-0.027	15	0.30	26.024	18	33.2	30.81	16	33.2	K0 J	11	3072	A -12 2355
84		8.5A	6 28.131	-0.0005	21	-15 5 13.49	0.010	15	0.35	28.139	18	33.2	13.66	16	33.2	G5 J	12A	3176	A -14 2389
85		8.4A	6 27.972	0.0016	21	-15 32 41.18	-0.015	15	0.35	27.945	18	33.2	40.93	16	33.2	G5 J	12A	3178	A -15 2271
86		9.2A	6 32.715	-0.0022	21	-16 9 35.59	-0.004	15	0.35	32.753	18	33.2	35.53	16	33.2	K7 J	12A	3179	A -15 2273
87		6.2T	6 34.460	-0.0007	09	-11 11 32.64	-0.016	09	0.52	34.496	21	95.5	31.80	18	97.9	B9	GC	11067	-10 2400
88		9.0A	6 34.817	-0.0015	20	-19 33 44.30	-0.004	15	0.34	34.843	18	33.2	44.24	16	33.2	A0 J	12B	3468	A -19 2264
89		8.6A	6 38.303	-0.0014	21	-15 49 50.03	-0.005	15	0.35	38.328	18	33.2	49.95	16	33.2	A0 J	12A	3180	A -15 2274
90		4.3T	6 47.628	-0.0015	04	-19 5 50.94	-0.010	03	0.22	47.706	10	99.4	50.36	10	94.1	B5	GC	11071	B*-18 2190
91		7.7A	6 50.026	-0.0001	21	-14 26 4.99	-0.037	15	0.35	50.028	18	33.2	4.37	16	33.2	M0 J	12A	3181	A -14 2393
92		8.0A	6 50.283	-0.0011	15	-11 26 2.40	-0.004	15	0.30	50.300	18	33.2	2.33	16	33.2	A0 J	11	3074	A -11 2255
93		8.8A	6 57.579	-0.0030	15	-12 3 18.83	-0.002	15	0.30	57.629	18	33.2	18.79	16	33.2	K0 J	11	3076	A -11 2256
94		8.9A	6 58.449	-0.0018	17	-13 53 23.11	-0.043	18	0.34	58.479	18	33.2	22.39	16	33.2	G5 J	11	3078	A -13 2410
95		7.8A	6 58.600	-0.0013	21	-15 25 20.69	0.008	15	0.35	58.621	18	33.2	20.82	16	33.2	B8 J	12A	3182	A -15 2278
96		9.0A	6 58.621	-0.0074	15	-11 37 1.02	0.007	17	0.31	58.746	18	33.2	1.14	16	33.2	G5 J	11	3077	A -11 2257
97		8.6A	6 58.654	-0.0010	21	-17 12 51.76	0.013	15	0.35	58.671	18	33.2	51.98	16	33.2	K2 J	12A	3183	A -16 2319
98		5.5T	7 11.220	-0.0016	07	-16 6 3.64	-0.011	06	0.30	11.286	12	07.8	3.13	10	03.6	B3	GC	11081K	B*-15 2280
99		8.8A	7 12.937	0.0026	17	-11 50 16.08	-0.021	18	0.34	12.893	18	33.2	15.72	16	33.2	A3 J	11	3080	A -11 2261
00		8.3A	7 13.246	-0.0017	17	-11 16 59.24	0.001	18	0.34	13.275	18	33.2	59.25	16	33.2	K2 J	11	3079	A -11 2262

153900

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	EPOCH 1950 μ s	EPOCH 1950 σ_μ ".001	EPOCH 1950 δ_{1950} ° ′ ″	EPOCH 1950 μ' ″	EPOCH 1950 σ'_μ ".001	EPOCH 1950 σ_{1950} ″	ORIGINAL EPOCH α_2 s	ORIGINAL EPOCH σ ".01	ORIGINAL EPOCH ep.	ORIGINAL EPOCH δ_2 ″	ORIGINAL EPOCH σ' ".01	ORIGINAL EPOCH ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	-10° 8H DM NUMBER
1		9.0A	8 7 18.616	-0.0020	15	-12 45 0.07	-0.013	17	0.31	18.651	18	33.2	-59.84	16	33.2	A2 J	11	3081	A -12 2360
2		9.1A	7 26.098	0.0004	18	-18 13 42.32	-0.040	13	0.32	26.092	18	33.2	41.65	16	33.2	K J	12B	3475	A -17 2362
3		9.0A	7 26.172	-0.0012	21	-15 52 49.49	0.006	15	0.35	26.192	18	33.2	49.60	16	33.2	K0 J	12A	3185	A -15 2284
4		9.2A	7 26.754	-0.0032	17	-13 35 49.72	-0.017	18	0.34	26.808	18	33.2	49.44	16	33.2	A5 J	11	3082	A -13 2413
5		9.0A	7 27.091	-0.0033	21	-17 33 31.35	-0.011	15	0.35	27.148	18	33.2	31.16	16	33.2	G0 J	12A	3187	A -17 2363
6		9.0A	7 32.324	-0.0022	21	-16 48 56.58	-0.029	15	0.35	32.361	18	33.2	56.09	16	33.2	A2 J	12A	3188	A -16 2323
7		9.0A	7 38.406	0.0016	17	-10 59 42.12	0.003	18	0.34	38.380	18	33.2	42.16	16	33.2	K J	11	3083	A -10 2404
8		8.5A	7 38.963	-0.0032	18	-12 5 29.98	0.002	20	0.36	39.017	18	33.2	30.02	16	33.2	B9 J	11	3084	A -11 2264
9		9.3A	7 39.303	-0.0015	18	-19 31 17.45	0.001	13	0.32	39.329	18	33.2	17.47	16	33.2	A0 J	12B	3481	A -19 2273
10		9.0A	7 41.326	-0.0015	18	-18 9 59.09	-0.005	15	0.33	41.352	18	33.2	59.01	16	33.2	B9 J	12B	3482	A -17 2367
11		8.2A	7 41.628	-0.0017	21	-14 28 0.45	-0.036	15	0.35	41.656	18	33.2	-59.85	16	33.2	K0 J	12A	3189	A -14 2398
12		8.6A	7 45.089	-0.0054	21	-15 53 8.29	-0.003	15	0.35	45.180	18	33.2	8.24	16	33.2	G0 J	12A	3191	A -15 2288
13		9.2A	7 45.837	-0.0017	21	-15 34 38.59	0.050	15	0.35	45.866	18	33.2	39.43	16	33.2	M J	12A	3192	A -15 2289
14		9.2A	7 48.917	-0.0017	21	-16 9 58.67	-0.020	15	0.35	48.945	18	33.2	58.34	16	33.2	M0 J	12A	3193	A -15 2291
15		9.0A	7 51.802	-0.0003	15	-13 1 1.14	-0.043	17	0.31	51.808	18	33.2	0.41	16	33.2	G5 J	11	3085	A -12 2370
16		8.9A	7 54.621	-0.0013	21	-16 4 16.20	-0.002	15	0.35	54.643	18	33.2	16.17	16	33.2	K5 J	12A	3194	A -15 2292
17		8.8A	7 57.460	-0.0003	18	-17 46 26.06	-0.030	13	0.32	57.465	18	33.2	25.56	16	33.2	K0 J	12A	3195	A -17 2371
18		8.7A	8 6.135	0.0008	21	-18 2 35.90	-0.035	15	0.35	6.121	18	33.2	35.31	16	33.2	K2 J	12A	3196	A -17 2372
19		9.0A	8 9.427	-0.0024	15	-13 20 32.61	0.039	17	0.31	9.467	18	33.2	33.26	16	33.2	F5 J	11	3087	A -13 2418
20		9.2A	8 10.791	0.0003	17	-11 23 44.81	-0.027	18	0.34	10.786	18	33.2	44.35	16	33.2	G5 J	11	3086	A -11 2266
21		9.0A	8 11.004	0.0010	21	-17 13 19.17	0.000	15	0.35	10.988	18	33.2	19.17	16	33.2	G5 J	12A	3197	A -16 2329
22		8.7A	8 11.597	-0.0008	20	-19 52 10.85	0.027	15	0.34	11.609	18	33.2	11.31	16	33.2	K0 J	12B	3486	A -19 2276
23		9.0A	8 11.982	-0.0071	21	-17 29 48.70	-0.035	15	0.35	12.102	18	33.2	48.11	16	33.2	G5 J	12A	3198	A -17 2373
24		5.6T	8 20.745	-0.0170	03	-13 39 3.44	0.052	02	0.12	21.429	05	09.8	5.61	05	08.3	G0	GC	11118	B#-13 2420
25		9.0A	8 28.997	-0.0025	17	-19 29 44.71	-0.000	11	0.29	29.039	18	33.2	44.71	16	33.2	A2 J	12B	3491	A -19 2278
26		9.2A	8 31.352	-0.0002	21	-17 14 34.15	0.006	15	0.35	31.355	18	33.2	34.25	16	33.2	K2 J	12A	3200	A -16 2332
27		9.0A	8 32.185	-0.0011	18	-16 25 45.16	-0.052	13	0.32	32.202	18	33.2	44.29	16	33.2	K7 J	12A	3199	A -16 2331
28		8.8A	8 33.323	-0.0012	21	-18 6 37.66	-0.038	15	0.35	33.343	18	33.2	37.02	16	33.2	K2 J	12A	3201	A -17 2377
29		8.9A	8 39.479	0.0015	15	-11 46 0.55	0.006	17	0.31	39.455	18	33.2	0.65	16	33.2	K5 J	11	3090	A -11 2267
30		9.1A	8 40.718	-0.0020	21	-15 45 55.45	-0.002	15	0.35	40.752	18	33.2	55.42	16	33.2	A3 J	12A	3202	A -15 2297
31		8.2A	8 44.068	-0.0006	18	-14 11 42.45	0.004	13	0.32	44.078	18	33.2	42.52	16	33.2	K0 J	12A	3203	A -13 2421
32		8.5A	8 45.396	-0.0014	15	-11 36 49.02	-0.022	18	0.33	45.420	18	33.2	48.64	16	33.2	B8 J	11	3091	A -11 2268
33		8.8A	8 47.079	-0.0027	21	-15 8 42.61	-0.025	15	0.35	47.124	18	33.2	42.19	16	33.2	K7 J	12A	3204	A -14 2401
34		8.6A	8 47.253	-0.0054	18	-18 12 11.97	-0.018	13	0.32	47.344	18	33.2	11.67	16	33.2	G5 J	12B	3494	A -17 2378
35		8.8A	8 48.899	-0.0004	15	-11 7 6.11	-0.018	17	0.31	48.905	18	33.2	5.81	16	33.2	M0 J	11	3093	A -10 2413
36		7.8Q	8 48.988	-0.0002	08	-18 49 28.77	-0.007	07	0.41	49.000	18	02.8	28.41	17	00.3	B9	GC	11129	-18 2206
37		9.1A	8 50.744	0.0008	21	-16 26 48.51	-0.011	15	0.35	50.730	18	33.2	48.33	16	33.2	K0 J	12A	3206	A -16 2334
38		9.1A	8 50.776	-0.0046	18	-12 46 55.38	0.030	20	0.36	50.853	18	33.2	55.88	16	33.2	A2 J	11	3095	A -12 2383
39		9.3A	8 51.221	-0.0002	17	-11 38 11.61	-0.027	18	0.34	51.226	18	33.2	11.15	16	33.2	A3 J	11	3094	A -11 2269
40		8.9A	8 53.258	0.0004	15	-14 13 12.11	-0.021	11	0.28	53.250	18	33.2	11.76	16	33.2		12A	3207	A -13 2425
41		9.7A	8 54.954	-0.0009	18	-16 7 26.21	-0.015	13	0.32	54.970	18	33.2	25.96	16	33.2	A	12A	3208	A -15 2299
42		4.7T	8 55.501	-0.0021	03	-12 46 38.70	0.008	03	0.16	55.595	07	05.0	39.06	07	04.5	K0	GC	11134K	B#-12 2385
43		8.6A	8 59.002	0.0010	21	-16 9 46.09	0.023	15	0.35	58.986	18	33.2	46.48	16	33.2	G5 J	12A	3209	A -15 2300
44		7.9A	9 1.300	-0.0023	15	-14 13 23.25	-0.018	11	0.28	1.338	18	33.2	22.95	16	33.2	K0 J	12A	3210	A -13 2426
45		9.1A	9 4.961	-0.0020	21	-16 53 45.13	-0.030	15	0.35	4.994	18	33.2	44.63	16	33.2	A3 J	12A	3211	A -16 2337
46		8.2A	9 10.792	-0.0025	17	-14 17 17.43	-0.018	12	0.30	10.834	18	33.2	17.13	16	33.2	K0 J	12A	3212	A -14 2404
47		9.0A	9 14.688	0.0002	18	-18 4 20.80	-0.038	13	0.32	14.685	18	33.2	20.16	16	33.2	M0 J	12A	3213	A -17 2383
48		8.6A	9 15.276	-0.0028	20	-12 12 45.78	-0.017	20	0.37	15.324	18	33.2	45.50	16	33.2	G0 J	11	3100	A -11 2273
49		8.9A	9 18.249	0.0020	13	-12 29 25.22	-0.001	15	0.29	18.216	18	33.2	25.20	16	33.2		11	3101	A -12 2387
50		9.1A	9 18.363	-0.0010	21	-15 58 13.59	0.021	15	0.35	18.380	18	33.2	13.95	16	33.2	G0 J	12A	3214	A -15 2304
51		8.8A	8 9 22.310	0.0001	15	-11 11 28.77	-0.019	17	0.31	22.308	18	33.2	28.44	16	33.2	K5 J	11	3103	A -10 2419
52		8.9A	9 27.033	0.0006	17	-12 31 43.14	0.008	18	0.34	27.024	18	33.2	43.27	16	33.2	A0 J	11	3104	A -12 2390
53		8.4A	9 29.929	0.0008	21	-16 35 32.19	-0.024	15	0.35	29.915	18	33.2	31.79	16	33.2	K0 J	12A	3215	A -16 2341
54		8.3A	9 31.694	-0.0017	17	-11 19 20.56	0.007	18	0.34	31.723	18	33.2	20.67	16	33.2	B9 J	11	3105	A -11 2275
55		9.0A	9 34.271	0.0006	21	-14 30 56.28	-0.018	15	0.35	34.260	18	33.2	55.97	16	33.2	B3 J	12A	3216	A -14 2406
56		9.4A	9 34.461	0.0015	21	-15 48 16.09	-0.037	15	0.35	34.435	18	33.2	15.47	16	33.2	F8 J	12A	3217	A -15 2308
57		9.0A	9 35.566	-0.0011	21	-15 22 38.00	-0.014	15	0.35	35.585	18	33.2	37.77	16	33.2	F8 J	12A	3218	A -15 2307
58		9.0A	9 36.234	-0.0015	21	-17 25 1.57	0.007	15	0.35	36.259	18	33.2	1.69	16	33.2	M0 J	12A	3219	A -17 2385
59		8.6A	9 40.735	-0.0025	17	-14 1 7.00	-0.003	17	0.33	40.776	18	33.2	6.95	16	33.2	B2 J	11	3108	A -13 2429
60		9.2A	9 40.818	0.0006	17	-12 44 5.63	-0.023	18	0.34	40.808	18	33.2	5.24	16	33.2	F0 J	11	3107	A -12 2392
61		9.1A	9 42.737	-0.0036	20	-10 32 52.14	-0.017	20	0.37	42.796	18	33.2	51.85	16	33.2	F8 J	11	3106	A -10 2421
62		9.0A	9 44.259	-0.0051	18	-11 43 6.33	-0.102	20	0.36	44.345	18	33.2	4.61	16	33.2	K0 J	11	3109	A -11 2276
63		8.7A	9 47.039	-0.0007	21	-15 30 16.54	-0.005	15	0.35	47.051	18	33.2	16.46	16	33.2	A0 J	12A	3220	A -15 2309
64		8.6A	9 48.374	-0.0005	21	-15 30 29.49	-0.008	15	0.35	48.382	18	33.2	29.36	16	33.2	A0 J	12A	3221	A -15 2310
65		9.0A	9 57.398	0.0019	21	-16 16 53.76	0.011	15	0.35	57.367	18	33.2	53.95	16	33.2	F5 J	12A	3222	A -16 2345
66		9.4A	10 0.453	-0.0021	21	-14 31 38.45	-0.020	15	0.35	0.487	18	33.2	38.11	16	33.2	F2 J	12A	3223	A -14 2410
67		8.4A	10 1.218	0.0021	20	-10 40 54.68	-0.045	20	0.37	1.182	18	33.2	53.92	16	33.2	K0 J	11	3110	A -10 2422
68		9.1A	10 6.104	-0.0013	21	-15 23 20.85	0.007	15	0.35	6.125	18	33.2	20.97	16	33.2	K7 J	12A	3224	A -15 2314
69		8.8A	10 12.351	-0.0001	17	-19 13 8.70	0.004	11	0.29	12.353	18	33.2	8.76	16	33.2	K5 J	12B	3507	A -18 2216
70		9.2A	10 13.217	-0.0012	21	-15 48 46.26	-0.018	15	0.35	13.238	18	33.2	45.96	16	33.2	A0 J	12A	3225	A -15 2315
71		9.2A	10 16.584	0.0020	12	-10 23 15.92	-0.005	12	0.26	16.551	16	33.1	15.83	16	33.1	A0	16	3112	A -10 2424
72		8.8A	10 18.254	-0.0006	21	-15 9 24.68	-0.014	15	0.35	18.264	18	33.2	24.45	16	33.2	K J	12A	3226	A -14 2416
73		9.0A	10 19.014	0.0004	21	-15 7 37.70	-0.023	15	0.35	19.007	18	33.2	37.31	16	33.2	B9 J	12A	3227	A -14 2417
74		8.2A	10 21.998	-0.0016	17	-13 19 42.29	0.004	18	0.34	22.025	18	33.2	42.36	16	33.2	A0 J	11	3112	A -13 2433
75		9.4A	10 23.920	-0.0032	21	-15 14 46.31	-0.007	15	0.35	23.973	18	33.2	46.19	16	33.2	K2 J	12A	3229	A -14 2418
76		8.7A	10 24.573	-0.0016	21	-14 32 50.49	-0.015	15	0.35	24.599	18	33.2	50.23	16	33.2	K7 J	12A	3228	A -14 2419
77		8.7A	10 26.323	-0.0013	17	-19 53 12.42	-0.004	12	0.30	26.345	18	33.2	12.35	16	33.2	K5 J	12B	3510	A -19 2286
78		8.6A	10 28.421	-0.0010	17	-14 25 32.45	-0.004	15	0.31	28.437	18	33.2	32.39	16	33.2	A0 J	12A	3230	A -14 2420
79		9.1A	10 29.454	-0.0008	20	-10 56 37.30	0.006	20	0.37	29.468	18	33.2	37.40	16	33.2	F5 J	11	3113	A -10 2426
80		9.0A	10 30.334	0.0004	21	-18 5 12.71	-0.030	15	0.35	30.328	18	33.2	12.21	16	33.2	M0 J	12A	3231	A -17 2392
81		8.8A	10 35.813	0.0001	21	-16 3 53.07	-0.020	15	0.35	35.811	18	33.2	52.74	16	33.2	A5 J	12A	3232	A -15 2319
82		8.2A	10 36.963	-0.0003	20	-13 42 15.37	0.018	20	0.37	36.968	18	33.2	15.68	16	33.2	B8 J	11	3115	A -13 2437
83		9.2A	10 38.307	-0.0026	21	-14 28 59.12	-0.030	15	0.35	38.351	18	33.2	58.62	16	33.2	A2 J	12A	3233	A -14 2421
84		8.6A	10 38.702	-0.0014	17	-13 21 4.97	-0.036	18	0.34	38.726	18	33.2	4.36	16	33.2	K0 J	11	3116	A -13 2438
85		8.7A	10 39.767	0.0044	18	-14 47 56.35	-0.198	13	0.32	39.692	18	33.2	53.02	16	33.2	G5 J	12A	3234	A -14 2422
86		8.2A	10 44.614	-0.0001	21	-14 37 5.62	-0.017	15	0.35	44.616	18	33.2	5.90	16	33.2	K2 J	12A	3235	A -14 2424
87		8.9A	10 45.891	-0.0007	20	-12 34 4.18	-0.032	20	0.37	45.902	18	33.2	3.63	16	33.2	A2 J	11	3117	A -12 2403
88		8.3A	10 51.001	-0.0013	18	-19 18 20.75	0.003	13	0.32	51.022	18	33.2	20.80	16	33.2	K5 J	12B	3512	A -19 2289
89		9.3A	10 56.998	-0.0040	18	-15 54 46.79	-0.006	13	0.32	57.065	18	33.2	46.69	16	33.2	K2 J	12A	3236	A -15 2323
90		8.2A	10 58.073	0.0002	20	-19 18 20.21	-0.037	15	0.34	58.070	18	33.2	19.58	16	33.2	K2 J	12B	3513	A -19 2293
91		9.1A	10 58.840	-0.0019	12	-10 16 5.43	-0.010	12	0.26	58.871	16	33.1	5.26	16	33.1	K5 R	16	3117	A -9 2424
92		9.0A	10 59.208	-0.0005	21	-16 27 58.59	0.000	15	0.35	59.217	18	33.2	58.59	16	33.2	A2 J	12A	3237	A -16 2350
93		5.0H	11 2.019	-0.0014	01	-15 38 10.95	-0.007	01	0.05	2.064	02	17.2	10.71	02	16.1	G5	F4	311	-15 2324
94		8.3A	11 4.090	0.0001	21	-17 59 15.46	-0.047	15	0.35	4.089	18	33.2	14.67	16	33.2	A2 J	12A	3239	A -17 2395
95		8.9A	11 4.258	-0.0027	13	-18 52 4.29	-0.018	11	0.26	4.304	18	33.2	3.98	16	33.2	G0 J	12B	3515	A -18 2228
96		9.0A	11 7.454	0.0002	18	-10 49 11.53	-0.010	20	0.36	7.451	18	33.2	11.35	16	33.2	F2 J	11	3120	A -10 2431
97		9.3A	11 11.963	-0.0029	21	-15 26 22.54	-0.024	15	0.35	12.011	18	33.2	22.14	16	33.2	K5 J	12A	3240	A -15 2327
98		8.4A	11 18.040	-0.0015	17	-18 42 19.21	0.013	13	0.30	18.065	18	33.2	19.42	16	33.2	A2 J	12B	3518	A -18 2229
99		8.8A	11 20.263	0.0010	21	-16 58 21.38	0.011	15	0.35	20.246	18	33.2	21.57	16	33.2	A0 J	12A	3241	A -16 2352
00		9.1A	11 22.614	-0.0083	18	-17 31 0.87	-0.015	13	0.32	22.754	18	33.2	0.62	16	33.2	F8 J	12A	3242	A -17 2397

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NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	EPOCH 1950 μ_s s	EPOCH 1950 σ_μ ″.001	EPOCH 1950 δ_{1950} ° ′ ″	EPOCH 1950 μ' ″	EPOCH 1950 $\sigma_{\mu'}$ ″.001	EPOCH 1950 σ_{1950} ″	ORIGINAL EPOCH α_2 s	ORIGINAL EPOCH σ ″.01	ORIGINAL EPOCH ep.	ORIGINAL EPOCH δ_2 ″	ORIGINAL EPOCH σ' ″.01	ORIGINAL EPOCH ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	-10° 8H DM NUMBER
1		8.8A	8 11 33.764	-0.0014	12	-10 8 22.29	-0.023	12	0.26	33.787	16	33.1	21.90	16	33.1	A5 J	16	3126	A -9 2434
2		8.8A	11 34.166	0.0011	21	-17 0 36.99	-0.060	15	0.35	34.148	18	33.2	35.98	16	33.2	K0 J	12A	3243	A -16 2353
3		9.0A	11 38.196	-0.0014	18	-19 30 21.79	-0.008	13	0.32	38.220	18	33.2	21.66	16	33.2	F0 J	12B	3523	A -19 2298
4		9.2A	11 40.564	-0.0007	18	-11 44 56.66	-0.044	20	0.36	40.576	18	33.2	55.92	16	33.2	A2 J	11	3122	A -11 2282
5		9.0A	11 41.841	0.0001	21	-18 0 14.77	-0.044	15	0.35	41.839	18	33.2	14.03	16	33.2	G5 J	12A	3245	A -17 2400
6		8.5A	11 41.882	0.0006	18	-17 30 48.79	-0.025	13	0.32	41.872	18	33.2	48.37	16	33.2	F8 J	12A	3244	A -17 2399
7		8.9A	11 43.156	-0.0005	15	-11 36 31.66	-0.031	17	0.31	43.165	18	33.2	31.13	16	33.2	K0 J	11	3123	A -11 2283
8		8.7A	11 47.580	-0.0016	18	-18 49 21.11	-0.034	13	0.32	47.608	18	33.2	20.53	16	33.2	A2 J	12B	3525	A -18 2233
9		8.8A	11 56.226	-0.0012	21	-15 53 33.12	-0.005	15	0.35	56.246	18	33.2	33.04	16	33.2	A2 J	12A	3246	A -15 2333
10		8.4A	12 4.085	-0.0003	21	-16 1 58.16	0.011	15	0.35	4.090	18	33.2	58.35	16	33.2	A5 J	12A	3247	A -15 2334
11		8.9A	12 4.159	-0.0009	15	-13 17 58.07	0.019	17	0.31	4.175	18	33.2	58.39	16	33.2	F5 J	11	3124	A -13 2443
12		8.6A	12 8.932	-0.0036	18	-19 28 20.18	-0.011	13	0.32	8.992	18	33.2	19.99	16	33.2	F0 J	12B	3527	A -19 2305
13		9.3A	12 9.023	-0.0029	21	-15 22 57.34	-0.009	15	0.35	9.071	18	33.2	57.19	16	33.2	K2 J	12A	3248	A -15 2336
14		9.1A	12 10.956	-0.0025	18	-15 37 20.27	0.019	13	0.32	10.997	18	33.2	20.59	16	33.2	A2 J	12A	3249	A -15 2337
15		8.6A	12 11.048	-0.0025	17	-11 22 42.09	-0.002	18	0.34	11.091	18	33.2	42.06	16	33.2	F0 J	11	3125	A -11 2284
16		8.9A	12 15.331	-0.0013	21	-17 35 29.11	-0.010	15	0.35	15.353	18	33.2	28.94	16	33.2	A2 J	12A	3250	A -17 2404
17		9.1A	12 22.804	0.0011	17	-10 18 9.33	-0.006	18	0.34	22.786	18	33.2	9.22	16	33.2	G0 J	11	3126	A -10 2435
18		8.6A	12 27.233	0.0007	15	-13 51 58.84	0.003	17	0.31	27.221	18	33.2	58.89	16	33.2	K5 J	11	3127	A -13 2446
19		8.7A	12 27.625	-0.0012	18	-15 9 37.70	-0.077	13	0.32	27.645	18	33.2	36.41	16	33.2	K7 J	12A	3251	A -14 2440
20		9.0A	12 36.162	-0.0008	18	-18 51 31.97	-0.021	13	0.32	36.174	18	33.2	31.61	16	33.2	K7 J	12B	3529	A -18 2238
21		9.1A	12 36.695	-0.0003	17	-10 36 2.40	-0.033	18	0.34	36.700	18	33.2	1.85	16	33.2	F2 J	11	3128	A -10 2436
22		9.1A	12 36.738	0.0008	17	-13 16 59.41	-0.045	18	0.34	36.784	18	33.2	58.65	16	33.2	A2 J	11	3129	A -12 2416
23		6.9T	12 39.356	-0.0006	15	-17 7 24.15	0.070	11	0.71	39.383	26	01.7	27.92	22	96.2	F5	GC	11229	-16 2363
24		8.9A	12 40.734	-0.0008	17	-14 4 40.37	0.010	18	0.34	40.748	18	33.2	40.54	16	33.2	A5 J	11	3131	A -13 2447
25		8.7A	12 41.861	-0.0011	21	-17 32 42.56	-0.004	15	0.35	41.880	18	33.2	42.49	16	33.2	K5 J	12A	3253	A -17 2407
26		9.3A	12 42.722	-0.0032	12	-10 22 50.58	-0.055	12	0.26	42.777	16	33.1	49.64	16	33.1	F8	16	3136	A -10 2437
27		9.0A	12 44.010	0.0003	21	-17 22 33.12	-0.017	15	0.35	44.006	18	33.2	32.84	16	33.2	A0 J	12A	3254	A -17 2408
28		8.9A	12 48.621	-0.0009	17	-11 46 38.64	-0.008	18	0.34	48.637	18	33.2	38.51	16	33.2	G5 J	11	3132	A -11 2289
29		9.0A	12 50.666	-0.0021	17	-19 14 10.78	0.014	13	0.30	50.701	18	33.2	11.01	16	33.2	K0 J	12B	3531	A -18 2240
30		8.9A	12 53.314	0.0006	15	-14 5 45.93	-0.007	15	0.30	53.305	18	33.2	45.82	16	33.2	K0 J	11	3133	A -13 2450
31		8.1A	12 59.854	-0.0008	18	-16 16 30.31	0.013	13	0.32	59.866	18	33.2	30.53	16	33.2	M1 J	12A	3255	A -15 2343
32		8.0A	13 2.200	-0.0023	15	-11 8 20.78	-0.000	15	0.30	2.258	18	33.2	20.77	16	33.2	K0 J	11	3134	A -10 2439
33		8.6A	13 7.254	-0.0010	21	-16 29 23.30	-0.015	15	0.35	7.271	18	33.2	23.05	16	33.2	G5 J	12A	3256	A -16 2368
34		9.2A	13 9.375	-0.0027	21	-15 59 10.61	0.042	15	0.35	9.420	18	33.2	11.32	16	33.2	A5 J	12A	3257	A -15 2344
35		7.2T	13 13.178	-0.0004	13	-13 28 12.97	-0.012	12	0.67	13.197	22	00.2	12.33	21	97.2	M0	GC	11242	-13 2452
36		9.0A	13 14.009	-0.0014	15	-12 15 53.38	-0.174	15	0.30	14.033	18	33.2	50.46	16	33.2	G5 J	11	3135	A -11 2292
37		9.2A	13 18.367	0.0005	18	-16 11 38.08	-0.013	13	0.32	18.359	18	33.2	37.86	16	33.2	M J	12A	3258	A -15 2347
38		9.0A	13 19.690	-0.0000	15	-12 5 26.49	-0.001	17	0.31	19.691	18	33.2	26.47	16	33.2	A2 J	11	3137	A -11 2293
39		8.9A	13 21.736	-0.0051	11	-10 17 37.71	-0.068	09	0.23	21.821	16	33.1	36.56	16	33.1	K2	16	3144	A -10 2443
40		9.2A	13 25.552	-0.0029	18	-18 0 49.63	-0.024	13	0.32	25.602	18	33.2	49.23	16	33.2	A0 J	12A	3259	A -17 2412
41		9.0A	13 25.828	0.0029	18	-19 32 41.13	-0.055	15	0.33	25.779	18	33.2	40.21	16	33.2	K0 J	12B	3537	A -19 2316
42		8.7A	13 26.479	-0.0003	18	-18 43 56.19	0.025	13	0.32	26.484	18	33.2	56.61	16	33.2	K0 J	12B	3536	A -18 2242
43		8.2A	13 40.500	-0.0027	18	-19 54 20.23	-0.004	13	0.32	40.546	18	33.2	20.17	16	33.2	F0 J	12B	3538	A -19 2321
44		9.2A	13 44.672	-0.0018	18	-17 12 34.06	-0.014	13	0.32	44.702	18	33.2	33.82	16	33.2	A0 J	12A	3260	A -16 2373
45		7.5A	13 45.113	-0.0005	17	-19 15 13.63	-0.025	13	0.30	45.122	18	33.2	13.20	16	33.2	K5 J	12B	3539	A -18 2243
46		8.2A	13 51.243	-0.0009	21	-17 42 12.57	-0.022	15	0.35	51.259	18	33.2	12.20	16	33.2	A0 J	12A	3261	A -17 2417
47		9.3A	13 52.696	-0.0010	15	-13 39 36.70	-0.017	15	0.30	52.712	18	33.2	35.42	16	33.2	A0 J	11	3140	A -13 2457
48		7.9A	13 53.857	-0.0023	21	-15 31 53.16	0.000	15	0.35	53.902	18	33.2	53.16	16	33.2	K0 J	12A	3262	A -15 2351
49		9.2A	13 55.353	0.0026	15	-12 49 18.77	0.003	17	0.31	55.309	18	33.2	18.81	16	33.2	F5 J	11	3141	A -12 2430
50		9.4A	13 56.583	-0.0011	21	-16 17 3.33	0.010	15	0.35	56.602	18	33.2	3.50	16	33.2	F5 J	12A	3263	A -16 2374
51		8.9A	8 13 57.249	0.0015	15	-11 24 34.27	-0.026	17	0.31	57.224	18	33.2	33.83	16	33.2	F2 J	11	3142	A -11 2297
52		9.0A	13 58.982	-0.0037	18	-17 31 57.74	-0.033	13	0.32	59.045	18	33.2	57.19	16	33.2	F5 J	12A	3264	A -17 2418
53		9.0A	14 2.427	-0.0002	17	-11 39 45.35	0.055	18	0.34	2.431	18	33.2	46.28	16	33.2	G5 J	11	3143	A -11 2299
54		8.6A	14 5.844	-0.0000	15	-11 36 39.30	0.048	17	0.31	5.845	18	33.2	40.11	16	33.2	K5 J	11	3144	A -11 2300
55		7.8A	14 10.865	-0.0033	18	-16 9 54.16	-0.042	13	0.32	10.922	18	33.2	53.46	16	33.2	K0 J	12A	3265K	A -15 2356
56		8.2A	14 12.208	-0.0037	17	-19 52 33.10	0.037	12	0.30	12.271	18	33.2	33.73	16	33.2	K0 J	12B	3541	A -19 2327
57		9.1A	14 19.317	0.0002	18	-18 25 30.81	0.007	13	0.32	19.314	18	33.2	30.93	16	33.2	A0 J	12B	3544	A -18 2248
58		8.8A	14 20.761	-0.0009	18	-14 47 41.30	-0.032	13	0.32	20.775	18	33.2	40.75	16	33.2	A0 J	12A	3266	A -14 2452
59		8.6A	14 21.456	-0.0005	21	-16 29 7.82	-0.006	15	0.35	21.464	18	33.2	7.72	16	33.2	K0 J	12A	3268	A -16 2376
60		8.7A	14 30.709	-0.0007	17	-12 26 6.64	0.043	18	0.34	30.721	18	33.2	7.36	16	33.2	A0 J	11	3145	A -12 2435
61		7.3T	14 33.306	-0.0005	16	-14 59 47.76	0.008	11	0.73	33.332	26	01.8	48.18	22	95.8	K2	GC	11280	-14 2456
62		8.4A	14 33.425	0.0005	17	-19 46 4.88	0.018	12	0.30	33.417	18	33.2	5.18	16	33.2	K5 J	12B	3547	A -19 2335
63		8.7A	14 33.568	-0.0009	21	-14 47 43.28	-0.047	15	0.35	33.582	18	33.2	42.48	16	33.2	A0 J	12A	3270	A -14 2457
64		8.9A	14 35.116	-0.0008	17	-16 4 56.98	-0.034	12	0.30	35.131	18	33.2	56.41	16	33.2	A0 J	12A	3271K	A -15 2357
65		8.9A	14 35.146	-0.0009	15	-12 24 55.97	-0.003	17	0.31	35.161	18	33.2	55.92	16	33.2	A0 J	11	3146	A -12 2436
66		8.8A	14 37.172	-0.0009	20	-19 0 39.70	0.006	15	0.34	37.187	18	33.2	39.80	16	33.2	A0 J	12B	3549	A -18 2251
67		9.4A	14 43.239	0.0001	15	-10 42 34.24	-0.007	17	0.31	43.237	18	33.2	30.12	16	33.2	K5 J	11	3147	A -10 2451
68		9.0A	14 46.314	0.0002	15	-10 31 23.00	-0.001	17	0.31	46.311	18	33.2	22.99	16	33.2	A3 J	11	3148	A -10 2452
69		8.8A	14 50.427	-0.0006	17	-12 43 39.34	-0.002	18	0.34	50.437	18	33.2	39.30	16	33.2	K2 J	11	3150	A -12 2438
70		8.7A	14 51.337	0.0000	12	-10 18 35.06	-0.005	12	0.26	51.336	16	33.1	34.97	16	33.1	A0	16	3161	A -10 2453
71		9.0A	14 58.289	-0.0018	21	-17 13 51.12	-0.001	15	0.35	58.320	18	33.2	51.10	16	33.2	K7 J	12A	3272	A -16 2381
72		9.0A	14 58.333	0.0006	15	-12 49 52.53	0.023	17	0.31	58.324	18	33.2	52.91	16	33.2	A5 J	11	3152	A -12 2441
73		9.0A	14 58.729	0.0006	17	-10 46 14.17	-0.042	18	0.34	58.719	18	33.2	13.46	16	33.2	K0 J	11	3151	A -10 2455
74		8.5A	15 0.451	-0.0014	15	-11 36 47.12	0.038	17	0.31	0.475	18	33.2	47.76	16	33.2	F0 J	11	3153	A -11 2305
75		9.1A	15 3.477	-0.0005	18	-16 17 7.69	-0.022	13	0.32	3.485	18	33.2	7.32	16	33.2	A3 J	12A	3273	A -16 2382
76		6.3T	15 5.499	-0.0018	03	-16 7 44.75	-0.012	03	0.17	5.578	07	05.2	44.21	07	04.7	A0	GC	11299	B*-15 2362
77		9.1A	15 17.447	-0.0001	18	-18 37 53.55	0.019	13	0.32	17.450	18	33.2	53.87	16	33.2	G5 J	12B	3557	A -18 2256
78		8.1A	15 20.138	-0.0023	17	-18 48 0.41	-0.019	13	0.30	20.176	18	33.2	0.08	16	33.2	A2 J	12B	3558	A -18 2257
79		9.0A	15 20.779	-0.0000	15	-12 12 17.27	-0.015	18	0.33	20.780	18	33.2	17.02	16	33.2	B9 J	11	3154	A -11 2307
80		9.0A	15 25.976	-0.0027	20	-18 58 0.86	-0.003	15	0.34	26.022	18	33.2	0.80	16	33.2	G5 J	12B	3560	A -18 2260
81		9.0A	15 28.289	-0.0016	21	-15 38 13.07	0.034	15	0.35	28.317	18	33.2	13.65	16	33.2	F0 J	12A	3275	A -15 2365
82		8.7A	15 34.346	0.0006	20	-18 29 28.30	-0.040	15	0.34	34.337	18	33.2	27.63	16	33.2	K2 J	12B	3561	A -18 2261
83		7.6A	15 42.062	-0.0032	21	-14 49 6.28	-0.035	15	0.35	42.116	18	33.2	5.69	16	33.2	B8 J	12A	3276	A -14 2460
84		8.2A	15 43.351	-0.0013	21	-16 42 14.87	-0.011	15	0.35	43.372	18	33.2	14.68	16	33.2	K0 J	12A	3277	A -16 2387
85		8.7A	15 44.288	-0.0013	12	-10 20 0.15	0.006	12	0.26	44.309	16	33.1	0.25	16	33.1	K0	16	3166	A -10 2461
86		9.0A	15 45.294	-0.0026	20	-18 17 23.97	-0.020	15	0.34	45.338	18	33.2	23.63	16	33.2	F0 J	12B	3565	A -17 2429
87		9.0A	15 50.013	-0.0009	21	-15 44 37.69	0.019	15	0.35	50.028	18	33.2	38.01	16	33.2	K5 J	12A	3279	A -15 2368
88		9.4A	15 51.760	-0.0001	21	-15 55 52.98	-0.037	15	0.35	51.762	18	33.2	52.36	16	33.2	A0 J	12A	3280	A -15 2369
89		8.9A	15 52.100	0.0005	17	-14 4 12.45	-0.009	18	0.34	52.092	18	33.2	12.30	16	33.2	K5 J	11	3156	A -13 2471
90		8.4A	15 56.472	-0.0004	21	-16 38 44.20	-0.004	15	0.35	56.479	18	33.2	44.13	16	33.2	K5 J	12A	3281	A -16 2389
91		8.9A	15 59.347	-0.0044	17	-11 54 37.85	0.038	18	0.34	59.421	18	33.2	38.49	16	33.2	F5 J	11	3157	A -11 2309
92		8.6A	16 0.725	-0.0014	18	-15 19 50.01	-0.005	13	0.32	0.748	18	33.2	49.93	16	33.2	M0 J	12A	3282	A -15 2370
93		6.0T	16 1.474	0.0181	04	-12 27 41.12	-0.983	04	0.20	0.619	06	02.8	-51.96	06	00.0	G5	GC	11325	B*-12 2449
94		9.0A	16 1.891	0.0009	12	-10 19 27.72	-0.017	12	0.26	1.875	16	33.1	27.43	16	33.1	K5	16	3170	A -10 2468
95		8.5A	16 16.326	0.0001	21	-15 16 30.83	-0.031	15	0.35	16.324	18	33.2	30.31	16	33.2	K7 J	12A	3283	A -14 2465
96		8.9A	16 17.591	-0.0021	18	-19 48 14.47	-0.015	13	0.32	17.626	18	33.2	14.22	16	33.2	A3 J	12B	3570	A -19 2348
97		8.9A	16 17.744	-0.0006	17	-11 52 35.50	-0.002	18	0.34	17.754	18	33.2	35.47	16	33.2	A5 J	11	3160	A -11 2310
98		6.8T	16 17.935	-0.0005	09	-14 24 33.26	-0.014	07	0.48	17.963	19	95.2	32.46	15	93.3	A2	GC	11332	-14 2466
99		9.2A	16 25.844	-0.0011	15	-18 51 39.36	-0.004	12	0.26	25.862	18	33.2	39.29	16	33.2	A0 J	12B	3572	A -18 2271
00		9.0A	16 29.290	-0.0020	17	-12 49 39.11	0.002	18	0.34	29.323	18	33.2	39.14	16	33.2	A2 J	11	3162	A -12 2457

154100			EPOCH 1950								ORIGINAL EPOCH						SP.	SOURCE		-10° 8H
NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.		CAT.	STAR NUMBER	DM NUMBER
1		9.2A	8 16 41.852	-0.0018	21	-17 50 21.89	-0.015	15	0.35	41.883	18	33.2	21.65	16	33.2	A2 J	12A	3285	A -17 2437
2		8.9A	16 47.597	0.0019	17	-11 23 25.96	0.002	18	0.34	47.564	18	33.2	25.99	16	33.2	G5 J	11	3163	A -11 2312
3		9.2A	16 49.387	0.0006	21	-18 4 53.52	0.015	15	0.35	49.377	18	33.2	53.77	16	33.2	K2 J	12A	3287	A -17 2439
4		8.5A	16 50.300	-0.0014	18	-11 21 52.06	-0.031	20	0.36	50.323	18	33.2	51.53	16	33.2	M1 J	11	3164	A -11 2313
5		8.3H	16 51.267	-0.0033	02	-10 0 30.92	0.033	03	0.07	51.343	04	26.9	31.73	04	25.1	A5	F4	1218	-9 2471
6		8.9A	16 51.798	-0.0003	17	-13 27 0.88	-0.038	18	0.34	51.802	18	33.2	0.23	16	33.2	K5 J	11	3165	A -13 2475
7		8.6A	16 52.239	-0.0010	21	-14 42 49.49	-0.008	15	0.35	52.255	18	33.2	49.35	16	33.2	K0 J	12A	3286	A -14 2471
8		8.5A	16 54.745	-0.0017	20	-11 29 6.79	-0.032	20	0.37	54.774	18	33.2	6.25	16	33.2	A3 J	11	3166	A -11 2314
9		8.6A	16 59.528	-0.0017	21	-16 42 9.66	0.004	15	0.35	59.556	18	33.2	9.73	16	33.2	B9 J	12A	3288	A -16 2395
10		8.4A	17 1.564	-0.0009	18	-18 18 36.42	-0.056	12	0.31	1.580	18	33.2	35.48	16	33.2	M1 J	12B	3583	A -18 2277
11		7.6A	17 7.128	0.0011	17	-11 43 28.95	-0.034	18	0.34	7.110	18	33.2	28.37	16	33.2	F5 J	11	3168	A -11 2315
12		8.8A	17 9.176	-0.0006	15	-11 58 30.21	-0.006	17	0.31	9.186	18	33.2	30.10	16	33.2	A0 J	11	3169	A -11 2316
13		8.8A	17 19.003	-0.0023	18	-11 26 50.81	-0.009	20	0.36	19.042	18	33.2	50.65	16	33.2	K0 J	11	3170	A -11 2317
14		8.3A	17 21.416	0.0024	17	-15 21 5.40	-0.055	12	0.30	21.376	18	33.2	4.47	16	33.2	G5 J	12A	3290	A -15 2378
15		8.8A	17 21.782	-0.0033	18	-12 40 14.53	0.001	20	0.36	21.837	18	33.2	14.55	16	33.2	F8 J	11	3171K	A -12 2462
16		9.0A	17 27.441	0.0001	18	-18 6 23.55	-0.015	13	0.32	27.440	18	33.2	23.30	16	33.2	R5 J	12A	3292	A -17 2442
17		9.4A	17 29.175	-0.0021	21	-16 7 45.41	-0.015	15	0.35	29.210	18	33.2	45.16	16	33.2	A2 J	12A	3291	A -15 2379
18		8.8A	17 31.281	0.0019	17	-19 57 55.62	-0.018	13	0.30	31.249	18	33.2	55.31	16	33.2	K5 J	12B	3590	A -19 2359
19		7.0T	17 32.826	-0.0026	13	-12 41 55.37	-0.009	12	0.67	32.949	26	02.3	54.90	24	98.5	K2	GC	11360	-12 2463
20		9.2A	17 35.154	-0.0025	21	-17 57 34.06	-0.042	15	0.35	35.197	18	33.2	33.36	16	33.2	A3 J	12A	3293	A -17 2444
21		8.9A	17 37.931	0.0005	12	-10 10 21.75	-0.041	12	0.26	37.922	16	33.1	21.05	16	33.1	A2	16	3183	A -9 2476
22		8.1A	17 44.012	-0.0077	18	-14 27 18.10	0.026	15	0.32	44.142	18	33.2	18.54	16	33.2	F2 J	12A	3294	A -14 2474
23		8.7A	17 44.508	0.0013	15	-11 10 6.26	-0.014	17	0.31	44.486	18	33.2	6.03	16	33.2	G5 J	11	3174	A -10 2477
24		8.4A	17 47.300	-0.0001	21	-14 44 11.98	-0.000	15	0.35	47.301	18	33.2	11.97	16	33.2	M0 J	12A	3295	A -14 2475
25		9.0A	17 55.217	-0.0027	17	-11 10 1.12	0.006	18	0.34	55.262	18	33.2	1.21	16	33.2	A3 J	11	3176	A -10 2480
26		8.9A	17 56.686	-0.0006	17	-10 32 4.54	-0.003	18	0.34	56.697	18	33.2	4.48	16	33.2	G5 J	11	3177	A -10 2483
27		8.9A	17 56.847	-0.0015	18	-15 25 21.94	-0.035	13	0.32	56.871	18	33.2	21.35	16	33.2	F5 J	12A	3296	A -15 2382
28		9.1A	17 56.959	-0.0003	15	-19 35 15.90	-0.058	11	0.28	56.964	18	33.2	14.92	16	33.2	G5 J	12B	3593	A -19 2363
29		8.8A	18 0.139	-0.0016	17	-13 46 12.19	-0.003	18	0.34	0.166	18	33.2	12.15	16	33.2	A2 J	11	3178	A -13 2484
30		9.2A	18 5.673	0.0024	21	-16 6 55.41	-0.049	15	0.35	5.632	18	33.2	54.59	16	33.2	F8 J	12A	3297	A -15 2383
31		9.2A	18 12.951	-0.0020	18	-17 2 30.56	0.004	13	0.32	12.984	18	33.2	30.63	16	33.2	K0 J	12A	3298	A -16 2403
32		8.4A	18 14.437	-0.0011	15	-13 28 27.87	-0.005	17	0.31	14.455	18	33.2	27.78	16	33.2	K0 J	11	3179	A -13 2488
33		9.5A	18 18.892	-0.0019	21	-17 41 2.23	-0.018	15	0.35	18.924	18	33.2	1.93	16	33.2	A0 J	12A	3299	A -17 2453
34		7.8A	18 25.784	-0.0042	18	-14 12 14.62	0.005	13	0.32	25.855	18	33.2	14.71	16	33.2	A3 J	12A	3300	A -13 2491
35		9.2A	18 26.846	0.0004	21	-17 50 15.28	-0.019	15	0.35	26.839	18	33.2	14.96	16	33.2	A0 J	12A	3301	A -17 2455
36		9.0A	18 31.193	-0.0005	17	-13 51 37.54	-0.011	18	0.34	31.201	18	33.2	37.36	16	33.2	K2 J	11	3181	A -13 2492
37		8.3A	18 32.360	-0.0015	11	-19 7 4.65	0.025	09	0.24	32.386	18	33.2	5.07	16	33.2	F5 J	12B	3599	A -18 2287
38		8.4A	18 36.392	-0.0022	18	-15 21 36.93	-0.018	13	0.32	36.429	18	33.2	36.63	16	33.2	F0 J	12A	3302	A -15 2388
39		8.4A	18 37.838	-0.0010	21	-17 11 57.48	0.053	15	0.35	37.855	18	33.2	58.37	16	33.2	K5 J	12A	3303	A -16 2404
40		9.0A	18 43.423	0.0011	20	-18 55 38.55	-0.027	15	0.34	43.406	18	33.2	38.09	16	33.2	A3 J	12B	3601	A -18 2292
41		9.0A	18 43.456	-0.0020	18	-18 45 36.65	-0.016	13	0.32	43.490	18	33.2	36.38	16	33.2	A0 J	12B	3602	A -18 2291
42		9.2A	18 53.432	-0.0009	21	-15 46 4.95	0.017	15	0.35	53.448	18	33.2	5.24	16	33.2	K7 J	12A	3304	A -15 2390
43		8.8A	18 55.947	-0.0014	17	-14 1 23.77	-0.001	18	0.34	55.971	18	33.2	23.76	16	33.2	A0 J	11	3182	A -13 2498
44		8.4A	18 57.146	0.0039	21	-16 50 37.41	-0.035	15	0.35	57.081	18	33.2	36.82	16	33.2	K2 J	12A	3305	A -16 2405
45		7.8A	18 59.586	-0.0014	21	-14 48 57.34	-0.023	15	0.35	59.609	18	33.2	56.95	16	33.2	K0 J	12A	3306	A -14 2483
46		8.7A	19 2.167	-0.0000	21	-15 5 37.84	-0.022	15	0.35	2.167	18	33.2	37.47	16	33.2	G5 J	12A	3307	A -14 2484
47		9.2A	19 2.508	0.0004	21	-17 34 44.27	-0.017	15	0.35	2.501	18	33.2	43.99	16	33.2	A2 J	12A	3308	A -17 2461
48		9.0A	19 5.829	-0.0009	17	-19 14 2.67	-0.030	13	0.30	5.844	18	33.2	2.16	16	33.2	F5 J	12B	3606	A -18 2297
49		8.5A	19 6.609	0.0009	17	-19 23 34.97	-0.020	13	0.30	6.594	18	33.2	34.63	16	33.2	F5 J	12B	3607	A -19 2368
50		5.6T	19 7.384	-0.0007	07	-19 55 8.19	-0.023	07	0.29	7.409	10	12.1	7.28	10	10.3	+++	GC	11393	B*-19 2369
51		8.3A	8 19 9.296	-0.0015	21	-14 38 40.32	-0.017	15	0.35	9.321	18	33.2	40.03	16	33.2	K0 J	12A	3309	A -14 2485
52		6.9T	19 13.208	0.0004	15	-10 53 8.99	-0.024	12	0.73	13.186	24	00.1	7.71	22	96.9	F0	GC	11396	-10 2490
53		8.7A	19 16.925	-0.0000	18	-15 16 8.93	-0.024	13	0.32	16.925	18	33.2	8.53	16	33.2	M0 J	12A	3310	A -14 2487
54		8.6A	19 20.872	-0.0025	18	-16 35 53.60	0.010	13	0.32	20.914	18	33.2	53.77	16	33.2	K2 J	12A	3311	A -16 2410
55		9.2A	19 21.916	-0.0003	17	-18 11 30.33	0.024	12	0.30	21.921	18	33.2	30.73	16	33.2	A2 J	12B	3611	A -17 2462
56		8.9A	19 24.148	0.0005	21	-14 16 33.42	-0.010	15	0.35	24.139	18	33.2	33.25	16	33.2	A0 J	12A	3312	A -13 2500
57		8.4A	19 27.934	-0.0001	21	-14 16 25.53	-0.014	15	0.35	27.935	18	33.2	25.30	16	33.2	A0 J	12A	3314	A -13 2501
58		6.7T	19 33.453	-0.0007	11	-10 35 16.39	0.001	12	0.67	33.490	22	94.8	16.44	21	94.5	F2	GC	11403	-10 2491
59		5.9T	19 38.389	-0.0071	07	-17 25 32.49	-0.018	07	0.30	38.678	12	09.1	31.73	12	07.5	K0	GC	11409	B*-17 2464
60		8.0A	19 39.938	-0.0038	15	-13 36 29.66	-0.018	17	0.31	40.002	18	33.2	29.36	16	33.2	F5 J	11	3188	A -13 2502
61		8.9A	19 40.079	-0.0032	15	-19 55 29.65	0.013	11	0.28	40.132	18	33.2	29.87	16	33.2	F0 J	12B	3615	A -19 2375
62		8.5A	19 40.548	-0.0011	21	-15 42 11.40	-0.012	15	0.35	40.566	18	33.2	11.20	16	33.2	A2 J	12A	3315	A -15 2397
63		9.3A	19 42.307	0.0038	15	-11 20 19.39	0.011	17	0.31	42.243	18	33.2	19.57	16	33.2	K7 J	11	3187	A -11 2329
64		8.6A	19 51.088	-0.0004	21	-17 49 19.24	-0.027	15	0.35	51.095	18	33.2	18.79	16	33.2	F5 J	12A	3317K	A -17 2466
65		9.0A	19 52.586	0.0002	17	-10 32 39.23	0.011	18	0.34	52.582	18	33.2	39.41	16	33.2	F8 J	11	3189	A -10 2493
66		8.8A	19 53.672	-0.0016	17	-13 27 41.21	-0.003	18	0.34	53.698	18	33.2	41.16	16	33.2	K5 J	11	3191	A -13 2506
67		8.9A	19 55.209	-0.0017	12	-10 16 34.29	-0.031	12	0.26	55.238	16	33.1	33.76	16	33.1	K5	16	3202	A -9 2490
68		9.2A	19 55.908	-0.0014	18	-19 49 58.61	-0.005	13	0.32	55.932	18	33.2	58.52	16	33.2	F5 J	12B	3617	A -19 2377
69		9.0A	20 0.907	-0.0005	15	-13 44 37.61	-0.027	17	0.31	0.915	18	33.2	38.07	16	33.2	A0 J	11	3193	A -13 2507
70		9.2A	20 1.239	-0.0036	15	-11 17 49.76	-0.024	17	0.31	1.299	18	33.2	49.35	16	33.2	K2 J	11	3192	A -10 2494
71		9.1A	20 3.482	-0.0006	18	-18 43 8.11	-0.020	13	0.32	3.492	18	33.2	7.77	16	33.2	A2 J	12B	3619	A -18 2302
72		9.6A	20 5.870	-0.0018	17	-17 12 6.53	0.006	12	0.30	5.901	18	33.2	6.63	16	33.2	G0 J	12A	3318	A -16 2414
73		8.9A	20 9.007	0.0017	17	-12 5 17.90	-0.030	18	0.34	8.979	18	33.2	17.39	16	33.2	K5 J	11	3194	A -11 2330
74		9.1A	20 15.152	-0.0013	17	-12 29 44.10	-0.024	18	0.34	15.175	18	33.2	43.69	16	33.2	K0 J	11	3196	A -12 2487
75		9.0A	20 18.978	-0.0025	13	-19 37 7.27	0.009	09	0.26	19.019	18	33.2	7.43	16	33.2	K0 J	12B	3622	A -19 2379
76		9.1A	20 20.569	-0.0018	21	-16 23 55.15	-0.021	15	0.35	20.600	18	33.2	54.80	16	33.2	A2 J	12A	3319	A -16 2416
77		6.3T	20 25.732	-0.0039	04	-12 53 34.10	-0.048	03	0.22	25.922	10	01.2	31.45	09	94.9	K0	GC	11435	B*-12 2490
78		8.7A	20 28.737	-0.0002	17	-12 13 50.47	-0.015	18	0.34	28.741	18	33.2	50.21	16	33.2	K2 J	11	3198	A -11 2332
79		9.0A	20 30.955	0.0011	21	-16 35 7.32	-0.015	15	0.35	30.937	18	33.2	7.07	16	33.2	K0 J	12A	3321	A -16 2417
80		8.9A	20 34.595	-0.0015	21	-15 58 10.29	-0.001	15	0.35	34.620	18	33.2	10.28	16	33.2	B9 J	12A	3322	A -15 2406
81		8.7A	20 37.229	-0.0033	18	-11 20 18.93	0.021	20	0.36	37.284	18	33.2	19.29	16	33.2	F8 J	11	3199	A -11 2333
82		8.5A	20 42.045	-0.0013	15	-11 53 47.67	-0.012	17	0.31	42.068	18	33.2	47.46	16	33.2	K0 J	11	3200	A -11 2335
83		9.0A	20 45.386	0.0041	21	-16 14 3.31	0.005	15	0.35	45.317	18	33.2	3.39	16	33.2	K0 J	12A	3323	A -15 2409
84		9.1A	20 48.685	-0.0003	15	-10 49 35.12	-0.025	15	0.30	48.690	18	33.2	34.69	16	33.2	F J	11	3201	A -10 2498
85		8.9A	20 49.562	-0.0018	15	-18 33 9.32	-0.003	11	0.28	49.592	18	33.2	9.26	16	33.2	K J	12B	3628	A -18 2308
86		9.1A	20 50.367	-0.0002	17	-12 15 2.88	0.004	18	0.34	50.371	18	33.2	2.94	16	33.2	K5 J	11	3202	A -11 2337
87		8.8A	20 56.249	0.0017	21	-17 6 6.38	0.024	15	0.35	56.221	18	33.2	6.78	16	33.2	K0 J	12A	3324	A -16 2421
88		8.8A	21 0.669	-0.0045	18	-18 32 25.63	0.031	13	0.32	0.744	18	33.2	26.15	16	33.2	F0 J	12B	3629	A -18 2309
89		8.3A	21 3.150	-0.0007	20	-18 47 17.96	-0.018	15	0.34	3.162	18	33.2	17.65	16	33.2	B9 J	12B	3630	A -18 2310
90		9.5A	21 3.356	0.0013	21	-17 54 33.27	-0.031	15	0.35	3.334	18	33.2	32.75	16	33.2	F5 J	12A	3325	A -17 2472
91		8.5A	21 7.383	-0.0008	15	-13 24 58.58	0.002	17	0.31	7.397	18	33.2	58.61	16	33.2	K2 J	11	3204	A -13 2513
92		8.8A	21 8.257	0.0001	17	-12 20 17.22	-0.042	18	0.34	8.256	18	33.2	16.51	16	33.2	K0 J	11	3203	A -12 2497
93		9.0A	21 9.093	-0.0005	15	-12 13 1.59	-0.037	17	0.31	9.101	18	33.2	0.97	16	33.2	G5 J	11	3205	A -11 2339
94		9.0A	21 10.251	-0.0009	21	-17 8 42.69	0.007	15	0.35	10.267	18	33.2	42.81	16	33.2	G5 J	12A	3327	A -16 2423
95		8.9A	21 12.316	0.0021	21	-16 28 36.52	-0.042	15	0.35	12.280	18	33.2	35.82	16	33.2	K2 J	12A	3328	A -16 2424
96		9.5A	21 14.273	-0.0008	18	-19 53 26.48	0.032	13	0.32	14.285	18	33.2	27.02	16	33.2		12B	3633	A -19 2385
97		9.2A	21 15.970	-0.0005	15	-13 4 22.44	-0.004	17	0.31	15.979	18	33.2	22.37	16	33.2	A3 J	11	3206	A -12 2498
98		9.1A	21 17.267	-0.0030	17	-19 35 30.97	-0.029	13	0.30	17.318	18	33.2	30.49	16	33.2	F5 J	12B	3634	A -19 2386
99		8.8A	21 20.088	-0.0072	15	-19 9 55.93	0.005	11	0.28	20.208	18	33.2	56.01	16	33.2	F8 J	12B	3635	A -18 2313
00		9.4A	21 20.263	-0.0013	18	-14 16 58.60	-0.031	13	0.32	20.285	18	33.2	58.08	16	33.2	A J	12A	3329	A -13 2514

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EPOCH 1950 — ORIGINAL EPOCH — SOURCE — -10° 8H

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	CAT.	STAR NUMBER	DM NUMBER
1		9.2A	8 21 20.775	-0.0041	21	-18 4 52.05	-0.007	15	0.35	20.845	18	33.2	51.93	16	33.2	G0 J	12A	3330	A -17 2475
2		9.4A	21 30.256	0.0014	21	-16 16 45.87	-0.036	15	0.35	30.232	18	33.2	45.27	16	33.2	F8 J	12A	3331	A -15 2414
3		8.5A	21 33.441	0.0026	15	-13 27 48.19	-0.068	17	0.31	33.397	18	33.2	47.04	16	33.2	F8 J	11	3208	A -13 2516
4		8.8A	21 34.866	-0.0015	15	-12 31 58.04	0.312	17	0.31	34.892	18	33.2	58.24	16	33.2	F8 J	11	3209	A -12 2500
5		8.9A	21 36.758	-0.0025	17	-16 55 43.83	0.041	12	0.30	36.801	18	33.2	44.52	16	33.2	F0 J	12A	3332	A -16 2427
6		9.1A	21 41.038	-0.0003	17	-18 24 54.41	0.001	13	0.30	41.044	18	33.2	54.43	16	33.2	A0 J	12B	3639	A -18 2317
7		9.0A	21 41.834	-0.0017	15	-18 26 20.25	0.018	12	0.28	41.863	18	33.2	20.55	16	33.2	A7 J	12B	3640	A -18 2318
8		8.6A	21 42.301	-0.0028	21	-15 38 4.02	-0.016	15	0.35	42.348	18	33.2	3.75	16	33.2	F2 J	12A	3333	A -15 2417
9		9.0A	21 48.046	-0.0091	17	-11 16 42.25	0.151	18	0.34	48.199	18	33.2	44.78	16	33.2	K0 J	11	3210	A -10 2502
10		9.2A	21 50.068	-0.0030	21	-16 42 58.97	-0.016	15	0.35	50.119	18	33.2	58.70	16	33.2	G0 J	12A	3336	A -16 2429
11		8.7A	21 50.114	0.0002	15	-11 0 26.39	-0.044	17	0.31	50.112	18	33.2	25.64	16	33.2	K0 J	11	3211	A -10 2503
12		8.6A	21 50.807	-0.0011	15	-12 37 54.05	-0.035	17	0.31	50.825	18	33.2	53.46	16	33.2	K5 J	11	3212	A -12 2501
13		7.0T	21 53.578	-0.0053	22	-18 58 18.61	-0.047	16	0.95	53.817	26	04.5	16.26	24	00.5	K0	GC	11474	-18 2319
14		8.8A	21 54.690	-0.0020	21	-17 59 47.70	-0.039	15	0.35	54.723	18	33.2	47.05	16	33.2	F2 J	12A	3337	A -17 2477
15		8.5A	22 5.946	-0.0013	12	-10 20 41.66	-0.006	12	0.26	5.967	16	33.1	41.55	16	33.1	A0	16	3231	A -10 2506
16		8.8A	22 10.647	0.0007	15	-11 20 45.82	-0.027	17	0.31	10.634	18	33.2	45.36	16	33.2	K0 J	11	3214	A -11 2344
17		9.1A	22 13.470	-0.0036	15	-13 40 37.47	-0.008	15	0.30	13.531	18	33.2	37.34	16	33.2	G5 J	11	3216	A -13 2524
18		8.5A	22 14.004	0.0008	18	-15 23 59.96	-0.022	13	0.32	13.990	18	33.2	59.59	16	33.2	K0 J	12A	3338	A -15 2419
19		9.5A	22 14.167	-0.0033	18	-19 50 44.20	-0.015	13	0.32	14.222	18	33.2	43.95	16	33.2	F2 J	12B	3647	A -19 2393
20		7.9A	22 16.801	0.0015	17	-11 21 41.56	-0.038	18	0.34	16.776	18	33.2	40.91	16	33.2	K2 J	11	3217	A -11 2345
21		7.8A	22 19.389	0.0023	21	-15 17 47.98	-0.021	15	0.35	19.350	18	33.2	47.63	16	33.2	K0 J	12A	3339	A -14 2504
22		8.0A	22 21.000	-0.0030	21	-14 26 17.75	-0.036	15	0.35	21.050	18	33.2	17.15	16	33.2	A2 J	12A	3340	A -14 2503
23		8.0A	22 24.792	0.0013	18	-10 34 54.57	-0.004	20	0.36	24.769	18	33.2	54.50	16	33.2	K2 J	11	3218	A -10 2508
24		9.0A	22 26.082	-0.0001	18	-13 54 28.14	-0.006	20	0.36	26.084	18	33.2	28.04	16	33.2	A0 J	11	3220	A -13 2525
25		8.6A	22 26.345	-0.0030	21	-15 1 30.77	-0.035	15	0.35	26.395	18	33.2	30.18	16	33.2	K0 J	12A	3341	A -14 2505
26		9.5A	22 30.124	0.0006	21	-17 0 27.61	0.028	15	0.35	30.114	18	33.2	28.08	16	33.2	A2 J	12A	3344	A -16 2435
27		9.2A	22 30.653	0.0011	21	-16 56 11.04	-0.035	15	0.35	30.635	18	33.2	10.45	16	33.2	K7 J	12A	3345	A -16 2436
28		8.5A	22 30.713	-0.0004	17	-16 6 50.30	-0.013	12	0.30	30.721	18	33.2	50.08	16	33.2	K5 J	12A	3343	A -15 2421
29		8.3A	22 31.102	-0.0001	21	-14 40 32.62	-0.019	15	0.35	31.104	18	33.2	32.29	16	33.2	K5 J	12A	3342	A -14 2508
30		6.9T	22 38.785	-0.0020	12	-12 36 3.86	0.013	13	0.66	38.886	22	99.0	4.48	18	01.9	B8	GC	11487	-12 2510
31		6.7T	22 39.428	-0.0028	10	-15 7 51.42	0.019	10	0.58	39.572	26	99.3	52.41	22	97.9	A3	GC	11488	-14 2510
32		8.7A	22 42.439	0.0008	18	-18 35 15.09	-0.006	13	0.32	42.425	18	33.2	14.98	16	33.2	F2 J	12B	3649	A -18 2324
33		8.8A	22 44.995	-0.0011	21	-15 0 28.51	0.020	15	0.35	45.014	18	33.2	28.85	16	33.2	A3 J	12A	3347	A -14 2511
34		9.2A	22 45.775	0.0019	21	-16 37 8.55	-0.032	15	0.35	45.744	18	33.2	8.02	16	33.2	A3 J	12A	3348	A -16 2438
35		8.7A	22 53.292	-0.0004	12	-10 6 38.78	-0.001	12	0.26	53.266	16	33.1	38.76	16	33.1	K2	16	3238	A -9 2512
36		9.1A	23 9.154	0.0021	13	-10 36 52.82	-0.037	15	0.29	9.119	18	33.2	52.19	16	33.2	A3 J	11	3222	A -10 2511
37		8.2A	23 10.795	0.0007	21	-16 49 12.23	-0.021	15	0.35	10.784	18	33.2	11.88	16	33.2	K5 J	12A	3349	A -16 2440
38		8.5A	23 17.810	0.0005	15	-12 16 2.95	-0.001	17	0.31	17.802	18	33.2	2.93	16	33.2	A0 J	11	3223	A -11 2352
39		9.2A	23 19.829	-0.0018	12	-10 20 39.23	-0.016	12	0.26	19.859	16	33.1	38.95	16	33.1	F2	16	3242	A -10 2512
40		6.4T	23 22.526	-0.0009	13	-17 16 30.96	-0.009	12	0.68	22.568	24	01.8	30.51	21	99.6	K0	GC	11507	-16 2442
41		8.7A	23 24.112	-0.0011	12	-10 13 24.23	-0.010	12	0.26	24.129	16	33.1	24.06	16	33.1	F0	16	3244	A -9 2516
42		9.4A	23 26.468	-0.0023	17	-12 15 56.09	0.025	18	0.34	26.507	18	33.2	56.50	16	33.2	F5 J	11	3226	A -11 2353
43		8.1A	23 28.795	0.0001	21	-15 15 57.13	0.005	15	0.35	28.793	18	33.2	57.22	16	33.2	A0 J	12A	3351	A -14 2515
44		5.9T	23 36.171	-0.0012	09	-14 45 57.37	0.028	07	0.33	36.220	09	10.1	58.49	09	09.6	A2	GC	11512	-14 2517
45		8.6A	23 36.264	-0.0022	17	-18 59 53.31	-0.043	12	0.30	36.300	18	33.2	52.58	16	33.2	F0 J	12B	3659	A -18 2331
46		9.0A	23 36.383	-0.0006	00	-19 49 8.22	-0.014	13	0.23	36.392	18	33.2	7.99	16	33.2	A2 J	12B	3660	A -19 2400
47		6.6T	23 37.398	-0.0015	12	-10 21 8.16	-0.022	13	0.66	37.472	21	99.9	7.04	21	99.4	A2	GC	11513	-10 2514
48		8.9A	23 39.071	-0.0005	15	-13 30 19.88	0.010	17	0.31	39.079	18	33.2	20.05	16	33.2	A0 J	11	3228	A -13 2533
49		8.3A	23 43.019	-0.0008	15	-11 49 11.43	0.001	17	0.31	43.033	18	33.2	11.44	16	33.2	G5 J	11	3229	A -11 2355
50		9.1A	23 44.141	-0.0015	17	-19 9 26.50	-0.011	13	0.30	44.167	18	33.2	26.31	16	33.2	F0 J	12B	3662	A -18 2333
51		6.5A	8 23 50.096	0.0001	18	-19 26 45.07	-0.014	13	0.32	50.093	18	33.2	44.83	16	33.2	K5 J	12B	3664	A -19 2403
52		9.1A	23 52.339	-0.0016	21	-17 59 20.84	-0.011	15	0.35	52.366	18	33.2	20.65	16	33.2	A2 J	12A	3353	A -17 2491
53		8.4A	23 56.595	-0.0014	21	-15 53 49.17	-0.015	15	0.35	56.619	18	33.2	48.92	16	33.2	K0 J	12A	3354	A -15 2432
54		8.0A	24 1.608	0.0012	21	-17 54 22.34	0.002	15	0.35	1.588	18	33.2	22.38	16	33.2	K5 J	12A	3355	A -17 2493
55		7.9A	24 18.055	-0.0015	15	-11 36 34.88	0.006	17	0.31	18.080	18	33.2	34.98	16	33.2	G5 J	11	3231	A -11 2358
56		9.0A	24 18.303	-0.0026	15	-10 50 57.13	-0.034	15	0.30	18.346	18	33.2	56.55	16	33.2	A0 J	11	3230	A -10 2518
57		5.7T	24 20.373	-0.0066	08	-12 22 8.43	-0.023	07	0.35	20.656	12	07.0	7.36	12	03.9	K0	GC	11539	B+-12 2524
58		8.6A	24 22.216	-0.0015	21	-15 43 48.87	0.032	15	0.35	22.242	18	33.2	49.41	16	33.2	A2 J	12A	3356	A -15 2436
59		8.8A	24 26.207	0.0021	15	-13 53 34.96	-0.033	17	0.31	26.171	18	33.2	34.41	16	33.2	K0 J	11	3235	A -13 2542
60		8.9A	24 27.330	0.0023	15	-10 43 53.29	-0.037	17	0.31	27.290	18	33.2	52.66	16	33.2	A0 J	11	3233	A -10 2521
61		8.2A	24 27.807	0.0010	15	-12 5 25.10	-0.019	17	0.31	27.791	18	33.2	24.77	16	33.2	K0 J	11	3234	A -11 2361
62		8.4A	24 28.468	-0.0014	18	-18 40 18.53	-0.005	13	0.32	28.492	18	33.2	18.44	16	33.2	B9 J	12B	3675	A -18 2340
63		8.7A	24 29.417	0.0003	15	-12 42 37.67	-0.008	17	0.31	29.412	18	33.2	37.53	16	33.2	K5 J	11	3236	A -12 2530
64		8.9A	24 29.481	0.0022	18	-15 25 7.99	-0.008	13	0.32	29.444	18	33.2	7.86	16	33.2	G5 J	12A	3357	A -15 2438
65		8.9A	24 30.032	0.0004	21	-15 54 7.92	-0.052	15	0.35	30.025	18	33.2	7.05	16	33.2	A0 J	12A	3358	A -15 2439
66		8.2A	24 31.955	-0.0013	18	-18 0 27.98	-0.036	13	0.32	31.977	18	33.2	27.38	16	33.2	A0 J	12A	3359	A -17 2497
67		9.0A	24 35.436	-0.0022	17	-18 33 32.21	0.008	13	0.30	35.471	18	33.2	32.34	16	33.2	A2 J	12B	3676	A -18 2342
68		9.2A	24 41.113	0.0010	20	-18 47 41.79	-0.013	15	0.34	41.097	18	33.2	41.57	16	33.2	F0 J	12B	3677	A -18 2344
69		9.1A	24 43.821	0.0007	18	-17 59 42.89	-0.012	13	0.32	43.809	18	33.2	42.69	16	33.2	G5 J	12A	3360	A -17 2500
70		7.9A	24 46.580	0.0002	21	-15 28 37.70	0.004	15	0.35	46.577	18	33.2	37.77	16	33.2	K5 J	12A	3361	A -15 2441
71		9.0A	25 0.380	0.0010	21	-16 22 18.95	-0.021	15	0.35	0.364	18	33.2	18.60	16	33.2	K0 J	12A	3362	A -16 2453
72		9.4A	25 5.279	-0.0009	21	-16 7 0.98	0.007	15	0.35	5.294	18	33.2	1.10	16	33.2	G0 J	12A	3363	A -15 2443
73		6.5T	25 7.357	-0.0025	13	-14 46 10.79	-0.018	11	0.69	7.493	19	96.3	9.78	18	94.6	B5	GC	11563	-14 2526
74		8.8A	25 13.240	-0.0013	15	-13 40 8.35	-0.002	17	0.31	13.262	18	33.2	8.32	16	33.2	K2 J	11	3237	A -13 2548
75		8.6A	25 17.586	-0.0005	21	-15 47 28.94	-0.034	15	0.35	17.596	18	33.2	28.37	16	33.2	K0 J	12A	3365	A -15 2445
76		8.8A	25 20.378	-0.0029	21	-16 7 28.33	0.017	15	0.35	20.425	18	33.2	28.62	16	33.2	A0 J	12A	3366	A -15 2446
77		8.9A	25 24.532	0.0030	13	-12 36 24.79	-0.063	15	0.29	24.481	18	33.2	23.73	16	33.2	F8 J	11	3238	A -12 2537
78		8.3A	25 25.973	-0.0008	15	-13 25 37.48	-0.003	17	0.31	25.987	18	33.2	37.42	16	33.2	K5 J	11	3239	A -13 2549
79		9.2A	25 26.088	0.0025	17	-13 38 16.32	0.035	18	0.34	26.043	18	33.2	16.91	16	33.2	K2 J	11	3240	A -13 2551
80		8.4A	25 35.528	-0.0002	21	-16 42 30.90	-0.015	15	0.35	35.529	18	33.2	30.65	16	33.2	K0 J	12A	3367	A -16 2457
81		8.4A	25 49.327	-0.0044	15	-13 4 3.34	0.001	17	0.31	49.401	18	33.2	3.35	16	33.2	A2 J	11	3241	A -12 2543
82		8.8A	25 51.787	0.0008	21	-17 31 33.40	-0.003	15	0.35	51.773	18	33.2	33.35	16	33.2	K0 J	12A	3368	A -17 2507
83		8.9A	25 53.425	0.0004	18	-12 28 15.90	-0.016	20	0.36	53.418	18	33.2	15.63	16	33.2	A0 J	11	3242	A -12 2545
84		8.8A	25 55.536	-0.0001	21	-17 52 11.15	0.002	15	0.35	55.539	18	33.2	11.19	16	33.2	M1 J	12A	3371	A -17 2510
85		8.9A	25 55.556	0.0007	21	-17 22 59.35	0.002	15	0.35	55.545	18	33.2	59.39	16	33.2	K0 J	12A	3370	A -17 2509
86		8.2A	25 57.335	-0.0093	21	-14 25 8.20	-0.172	15	0.35	57.491	18	33.2	5.31	16	33.2	F8 J	12A	3369	A -14 2532
87		8.5A	25 59.058	0.0015	15	-12 29 59.84	-0.009	15	0.30	59.033	18	33.2	59.68	16	33.2	F5 J	11	3243	A -12 2546
88		8.7A	25 59.834	-0.0015	12	-10 3 34.54	-0.007	11	0.25	59.858	16	33.1	34.41	16	33.1	A0	16	3268	A -9 2529
89		8.8A	26 2.464	0.0014	21	-16 33 13.31	-0.006	15	0.35	2.441	18	33.2	13.21	16	33.2	K0 J	12A	3372	A -16 2461
90		8.9A	26 2.981	-0.0052	21	-17 14 43.75	0.013	15	0.35	3.068	18	33.2	43.97	16	33.2	G0 J	12A	3373	A -16 2463
91		8.5A	26 3.040	0.0022	15	-13 23 17.96	-0.052	17	0.31	3.003	18	33.2	17.09	16	33.2	F2 J	11	3245	A -13 2552
92		8.6A	26 4.142	-0.0008	15	-12 34 7.31	-0.024	17	0.31	4.156	18	33.2	6.90	16	33.2	A2 J	11	3246	A -12 2547
93		8.5A	26 7.722	-0.0019	21	-14 49 2.73	-0.002	15	0.35	7.754	18	33.2	2.69	16	33.2	A0 J	12A	3374	A -14 2536
94		8.6A	26 9.185	-0.0011	15	-11 13 9.62	0.002	17	0.31	9.204	18	33.2	9.65	16	33.2	K0 J	11	3247	A -10 2539
95		9.0A	26 10.304	-0.0012	15	-19 18 35.99	0.011	11	0.28	10.325	16	33.2	36.17	16	33.2	F J	12B	3692	A -18 2354
96		8.8A	26 11.508	-0.0027	17	-17 13 39.58	-0.051	12	0.30	11.552	18	33.2	38.73	16	33.2	F2 J	12A	3375	A -16 2464
97		8.7A	26 27.028	0.0007	18	-17 21 29.81	-0.045	13	0.32	27.014	18	33.2	29.05	16	33.2	F5 J	12A	3376	A -17 2512
98		8.6A	26 27.108	-0.0003	21	-17 21 44.04	-0.019	15	0.35	27.113	18	33.2	43.72	16	33.2	F5 J	12A	3377	A -17 2512
99		8.0A	26 31.386	-0.0007	21	-15 53 47.77	0.070	15	0.35	31.397	18	33.2	48.95	16	33.2	G5 J	12A	3378	A -15 2452
00		8.9A	26 37.421	-0.0015	21	-17 47 39.43	-0.018	15	0.35	37.447	18	33.2	39.13	16	33.2	A3 J	12A	3381	A -17 2515

154300

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	CAT.	SOURCE STAR NUMBER	-10° 8H DM NUMBER
1		8.2A	8 26 37.489	0.0125	21	-15 42 3.78	-0.138	15	0.35	37.279	18	33.2	1.46	16	33.2	K0 J	12A	3380	A -15 2454
2		8.5A	26 44.252	-0.0002	18	-15 21 38.88	-0.040	13	0.32	44.255	18	33.2	38.21	16	33.2	F5 J	12A	3382	A -15 2455
3		8.6A	26 49.842	0.0013	21	-15 36 17.14	-0.007	15	0.35	49.819	18	33.2	17.03	16	33.2	A0 J	12A	3383	A -15 2456
4		9.1A	26 52.575	-0.0001	15	-13 16 41.42	0.011	17	0.31	52.577	18	33.2	41.60	16	33.2	K0 J	11	3248	A -12 2549
5		9.1A	26 55.863	-0.0010	17	-17 37 34.92	-0.003	12	0.30	55.881	18	33.2	34.87	16	33.2	A0 J	12A	3384	A -17 2516
6		9.2A	26 58.749	-0.0008	18	-18 38 7.30	-0.001	13	0.32	58.762	18	33.2	7.28	16	33.2	F8 J	12B	3700	A -18 2362
7		8.9A	26 58.759	-0.0019	15	-11 55 3.16	0.004	17	0.31	58.791	18	33.2	3.23	16	33.2	M0 J	11	3249	A -11 2368
8		8.8A	27 2.987	0.0003	13	-12 43 6.11	-0.007	15	0.29	2.982	18	33.2	5.99	16	33.2	K5 J	11	3250	A -12 2551
9		8.2A	27 4.927	0.0031	15	-12 40 47.06	-0.038	17	0.31	4.875	18	33.2	46.42	16	33.2	K5 J	11	3251	A -12 2552
10		9.3A	27 7.664	-0.0018	17	-14 27 12.58	-0.026	17	0.33	7.694	18	33.2	12.15	16	33.2	F2 J	11	3252	A -14 2540
11		8.6A	27 10.306	0.0001	21	-17 34 10.04	-0.007	15	0.35	10.305	18	33.2	9.93	16	33.2	K0 J	12A	3385	A -17 2518
12		8.6A	27 15.044	0.0004	21	-16 36 4.47	0.031	15	0.35	15.037	18	33.2	4.99	16	33.2	K0 J	12A	3386	A -16 2474
13		7.8A	27 15.889	-0.0011	15	-18 35 22.34	0.009	11	0.28	15.906	18	33.2	22.49	16	33.2	B8 J	12B	3703	A -18 2364
14		8.8A	27 17.719	-0.0016	21	-15 50 1.51	0.003	15	0.35	17.746	18	33.2	1.56	16	33.2	A0 J	12A	3387	A -15 2458
15		8.8A	27 22.330	-0.0004	21	-14 21 12.55	0.002	15	0.35	22.336	18	33.2	12.59	16	33.2	K0 J	12A	3388	A -14 2542
16		7.5T	27 26.898	-0.0058	15	-10 17 57.56	0.041	13	0.68	27.156	18	05.2	59.47	19	03.2	K0	GC	11629	-9 2539
17		9.2A	27 27.661	-0.0006	21	-18 6 51.68	0.003	15	0.35	27.671	18	33.2	51.73	16	33.2	K0 J	12A	3389	A -17 2520
18		8.8A	27 30.609	0.0014	17	-19 56 21.63	0.003	13	0.30	30.586	18	33.2	21.68	16	33.2	K0 J	12B	3706	A -19 2424
19		9.0A	27 30.790	-0.0009	21	-16 58 1.99	-0.004	15	0.35	30.806	18	33.2	1.92	16	33.2	A0 J	12A	3390	A -16 2477
20		8.4A	27 41.479	-0.0006	21	-16 32 50.38	-0.018	15	0.35	41.490	18	33.2	50.08	16	33.2	K0 J	12A	3391	A -16 2478
21		8.0A	27 51.269	-0.0001	21	-18 10 41.67	0.007	15	0.35	51.270	18	33.2	41.79	16	33.2	K0 J	12A	3393	A -17 2522
22		9.2A	27 51.624	0.0007	17	-17 13 39.24	-0.043	11	0.29	51.613	18	33.2	38.52	16	33.2	F2 J	12A	3392	A -16 2479
23		8.2A	27 54.161	-0.0014	21	-16 39 36.02	0.039	15	0.35	54.185	18	33.2	36.68	16	33.2	F0 J	12A	3394	A -16 2480
24		8.4A	27 56.602	-0.0017	15	-10 26 51.76	-0.004	17	0.31	56.630	18	33.2	51.69	16	33.2	B8 J	11	3255	A -10 2546
25		8.1A	28 3.489	-0.0017	17	-15 11 55.05	-0.017	12	0.30	3.517	18	33.2	54.76	16	33.2	A0 J	12A	3395	A -14 2548
26		7.6A	28 4.182	-0.0016	15	-13 17 59.40	-0.014	15	0.30	4.208	18	33.2	59.16	16	33.2	A2 J	11	3256	A -12 2557
27		8.2A	28 6.237	-0.0021	12	-10 6 54.87	-0.021	12	0.26	6.273	16	33.1	54.51	16	33.1	K0	16	3285	A -9 2542
28		8.4A	28 6.596	0.0008	15	-12 27 54.25	-0.030	15	0.30	6.583	18	33.2	53.74	16	33.2	A2 J	11	3259	A -12 2558
29		8.7A	28 6.632	0.0015	15	-11 40 11.86	-0.046	15	0.30	6.607	18	33.2	11.09	16	33.2	K5 J	11	3258	A -11 2370
30		8.8A	28 6.997	0.0009	15	-11 5 0.68	-0.011	15	0.30	6.981	18	33.2	0.50	16	33.2	K5 J	11	3257	A -10 2549
31		8.5A	28 7.382	-0.0022	15	-19 15 45.71	0.009	11	0.28	7.418	18	33.2	45.85	16	33.2	A3 J	12B	3710	A -18 2370
32		7.4A	28 11.474	-0.0013	12	-10 1 45.10	-0.016	12	0.26	11.496	16	33.1	44.82	16	33.1	F0	16	3286	A -9 2543
33		8.1A	28 23.868	-0.0022	15	-11 37 51.23	-0.013	17	0.31	23.905	18	33.2	51.00	16	33.2	K0 J	11	3260	A -11 2372
34		9.2A	28 24.153	-0.0022	21	-15 48 41.33	-0.047	15	0.35	24.190	18	33.2	40.54	16	33.2	F0 J	12A	3396	A -15 2470
35		8.7A	28 27.898	-0.0007	18	-19 11 28.58	0.011	13	0.32	27.909	18	33.2	28.76	16	33.2	A0 J	12B	3715	A -18 2373
36		9.0A	28 29.203	-0.0013	21	-17 53 12.37	0.036	15	0.35	29.225	18	33.2	12.99	16	33.2	F0 J	12A	3397	A -17 2527
37		8.9A	28 31.630	0.0017	15	-12 28 55.32	-0.044	15	0.30	31.601	18	33.2	54.58	16	33.2	F2 J	11	3261	A -12 2562
38		8.8A	28 32.570	-0.0013	21	-17 17 42.35	0.024	15	0.35	32.592	18	33.2	42.75	16	33.2	K0 J	12A	3398	A -16 2484
39		9.0A	28 32.802	-0.0007	18	-17 56 10.18	0.026	13	0.32	32.814	18	33.2	10.62	16	33.2	G5 J	12A	3400	A -17 2528
40		6.9T	28 34.767	-0.0013	22	-15 39 54.96	0.012	18	0.95	34.822	26	06.4	55.52	24	03.1	K2	GC	11656	-15 2472
41		9.0A	28 40.100	-0.0016	21	-15 27 40.72	-0.018	15	0.35	40.127	18	33.2	40.42	16	33.2	F0 J	12A	3401	A -15 2473
42		7.7A	28 43.235	-0.0001	15	-13 50 33.63	0.005	17	0.31	43.237	18	33.2	33.72	16	33.2	A3 J	11	3262	A -13 2566
43		9.3A	28 43.248	0.0035	21	-16 50 11.68	0.023	15	0.35	43.190	18	33.2	12.07	16	33.2	M3 J	12A	3403	A -16 2485
44		8.2A	28 44.083	-0.0046	21	-15 0 54.83	-0.013	15	0.35	44.160	18	33.2	54.61	16	33.2	F2 J	12A	3402	A -14 2552
45		8.7A	28 45.225	0.0011	18	-15 22 55.08	-0.006	13	0.32	45.207	18	33.2	54.98	16	33.2	K0 J	12A	3404	A -15 2474
46		8.4A	28 46.489	0.0013	21	-15 50 6.33	-0.036	15	0.35	46.467	18	33.2	5.73	16	33.2	M2 J	12A	3405	A -15 2475
47		8.3A	28 47.259	0.0001	17	-10 46 4.87	-0.042	18	0.34	47.257	18	33.2	4.16	16	33.2	K0 J	11	3263	A -10 2550
48		8.6A	28 47.635	-0.0012	17	-15 42 35.52	-0.010	12	0.30	47.654	18	33.2	35.35	16	33.2	K0 J	12A	3406	A -15 2476
49		8.8A	28 53.108	-0.0047	15	-11 17 25.92	0.046	17	0.31	53.187	18	33.2	26.69	16	33.2	G0 J	11	3264	A -10 2551
50		9.0A	28 57.146	-0.0027	21	-14 20 0.85	-0.016	15	0.35	57.192	18	33.2	0.59	16	33.2	A2 J	12A	3407	A -14 2554
51		8.7A	8 28 59.191	-0.0024	18	-18 15 47.24	0.001	13	0.32	59.233	18	33.2	47.27	16	33.2	F0 J	12B	3717	A -17 2530
52		8.8A	28 59.648	0.0018	21	-18 22 27.02	-0.014	15	0.35	59.618	18	33.2	26.79	16	33.2	K0 J	12A	3409	A -18 2377
53		8.3A	29 1.239	-0.0009	20	-18 37 38.60	-0.013	15	0.34	1.254	18	33.2	38.38	16	33.2	K0 J	12B	3720	A -18 2379
54		9.0A	29 1.422	0.0001	17	-18 19 28.56	-0.018	12	0.30	1.420	18	33.2	28.27	16	33.2	K2 J	12B	3719	A -18 2378
55		9.0A	29 1.584	0.0040	21	-16 50 7.95	0.028	15	0.35	1.517	18	33.2	8.42	16	33.2	A0 J	12A	3411	A -16 2488
56		8.8A	29 2.676	-0.0026	21	-15 19 50.74	0.033	15	0.35	2.719	18	33.2	51.30	16	33.2	F8 J	12A	3410	A -15 2477
57		9.0A	29 3.658	0.0008	15	-12 18 42.94	-0.014	17	0.31	3.644	18	33.2	42.70	16	33.2	K0 J	11	3266	A -11 2376
58		7.6B	29 8.898	-0.0012	10	-19 20 8.01	-0.010	08	0.54	8.961	19	95.3	7.41	18	92.2	F0	GC	11673	-19 2436
59		5:4T	29 16.052	-0.0027	04	-19 24 26.71	-0.011	04	0.26	16.200	09	96.2	26.07	09	93.6	A0	GC	11679K	B*-19 2438
60		8.7A	29 16.157	-0.0018	18	-14 10 43.06	-0.026	13	0.32	16.187	18	33.2	42.63	16	33.2	K2 J	12A	3413	A -13 2572
61		9.2A	29 26.698	-0.0007	21	-13 15 12.31	-0.001	22	0.40	26.709	18	33.2	12.29	16	33.2	A2 J	11	3268	A -12 2566
62		9.2A	29 41.083	0.0033	21	-16 42 49.81	-0.019	15	0.35	41.028	18	33.2	49.49	16	33.2	F5 J	12A	3414	A -16 2493
63		7.1T	29 42.994	-0.0039	17	-18 13 7.07	-0.146	17	0.81	43.179	21	03.2	0.27	19	03.3	G5	GC	11685	-17 2534
64		8.8A	29 54.760	-0.0006	17	-19 30 42.26	0.025	12	0.30	54.771	18	33.2	42.68	16	33.2	A3 J	12B	3732	A -19 2443
65		9.1A	29 54.884	-0.0006	20	-19 1 7.18	0.019	15	0.34	54.893	18	33.2	7.49	16	33.2	A2 J	12B	3731	A -18 2382
66		8.9A	29 58.817	-0.0000	15	-12 4 0.81	0.014	17	0.31	58.818	18	33.2	1.04	16	33.2	K0 J	11	3269	A -11 2380
67		8.7A	30 0.638	0.0003	18	-19 47 49.12	-0.058	13	0.32	0.633	18	33.2	48.14	16	33.2	K0 J	12B	3734	A -19 2444
68		9.2A	30 2.360	0.0015	21	-17 44 50.14	-0.028	15	0.35	2.335	18	33.2	49.67	16	33.2	G5 J	12A	3416	A -17 2536
69		8.0A	30 6.012	-0.0024	15	-11 14 2.63	-0.012	17	0.31	6.052	18	33.2	2.42	16	33.2	K0 J	11	3270	A -10 2558
70		8.5A	30 8.009	-0.0013	21	-15 14 10.99	-0.020	15	0.35	8.030	18	33.2	10.67	16	33.2	A0 J	12A	3417	A -14 2563
71		8.9A	30 11.720	-0.0002	17	-13 46 31.71	-0.010	18	0.34	11.723	18	33.2	31.55	16	33.2	A0 J	11	3271	A -13 2582
72		9.2A	30 12.464	-0.0004	21	-16 37 28.92	0.011	15	0.35	12.470	18	33.2	29.10	16	33.2	K0 J	12A	3419	A -16 2496
73		6.4T	30 13.839	-0.0039	12	-14 51 33.68	0.047	12	0.60	14.020	21	03.5	35.88	17	03.1	A5	GC	11703	-14 2564
74		6.8T	30 17.353	-0.0020	16	-14 14 49.69	-0.001	13	0.74	17.450	24	01.3	49.65	18	01.5	K0	GC	11704	-13 2583
75		8.9A	30 22.118	0.0021	21	-17 27 16.69	-0.027	15	0.35	22.082	18	33.2	16.23	16	33.2	K0 J	12A	3421	A -17 2541
76		8.9A	30 25.296	-0.0016	18	-18 24 8.68	-0.016	13	0.32	25.322	18	33.2	8.41	16	33.2	K2 J	12B	3738	A -18 2388
77		8.7A	30 31.743	-0.0007	15	-13 31 38.75	-0.004	15	0.30	31.754	18	33.2	38.69	16	33.2	K0 J	11	3273	A -13 2585
78		9.0A	30 35.894	-0.0034	15	-11 21 41.13	-0.015	15	0.30	35.951	18	33.2	40.87	16	33.2	G5 J	11	3274	A -11 2382
79		8.7A	30 35.976	0.0008	21	-15 55 6.75	0.003	15	0.35	35.962	18	33.2	6.80	16	33.2	K0 J	12A	3423	A -15 2485
80		9.1A	30 38.659	-0.0044	17	-18 55 28.93	0.003	13	0.30	38.733	18	33.2	28.98	16	33.2	F8 J	12B	3741	A -18 2391
81		9.0A	30 39.673	-0.0025	21	-14 29 47.27	-0.009	15	0.35	39.716	18	33.2	47.12	16	33.2	B9 J	12A	3424	A -14 2569
82		9.0A	30 42.199	0.0011	13	-12 47 0.35	0.009	15	0.29	42.179	18	33.2	0.50	16	33.2	K0 J	11	3275K	A -12 2573
83		8.0A	30 50.297	-0.0022	21	-15 35 35.25	-0.011	15	0.35	50.335	18	33.2	35.07	16	33.2	K0 J	12A	3425	A -15 2487
84		8.5A	30 51.824	0.0010	21	-16 3 13.33	0.010	15	0.35	51.807	18	33.2	13.50	16	33.2	K0 J	12A	3426	A -15 2488
85		8.7A	30 52.347	-0.0010	15	-13 27 0.24	-0.006	17	0.31	52.364	18	33.2	0.14	16	33.2	K2 J	11	3276	A -13 2589
86		9.2A	30 52.960	-0.0006	21	-16 6 14.82	0.003	15	0.35	52.970	18	33.2	14.88	16	33.2	F0 J	12A	3427	A -15 2489
87		8.7A	30 56.164	-0.0006	17	-13 17 16.26	-0.016	18	0.34	56.174	18	33.2	15.98	16	33.2	K2 J	11	3277	A -12 2575
88		7.9A	30 58.633	0.0004	17	-12 33 55.30	0.012	18	0.34	58.626	18	33.2	55.50	16	33.2	A3 J	11	3278	A -12 2577
89		9.0A	31 3.561	-0.0008	18	-18 40 36.78	-0.001	13	0.32	3.575	18	33.2	36.77	16	33.2	A0 J	12B	3747	A -18 2393
90		8.9A	31 4.099	0.0001	17	-16 49 29.12	-0.003	12	0.30	4.097	18	33.2	29.06	16	33.2	K2 J	12A	3429	A -16 2504
91		9.0A	31 7.046	-0.0007	21	-14 35 30.29	-0.024	15	0.35	7.058	18	33.2	29.88	16	33.2	K2 J	12A	3430	A -14 2571
92		9.2A	31 7.622	0.0002	21	-16 4 34.20	0.018	15	0.35	7.619	18	33.2	34.51	16	33.2	G5 J	12A	3431	A -15 2492
93		8.2A	31 10.824	-0.0017	21	-15 1 55.38	-0.023	15	0.35	10.853	18	33.2	55.01	16	33.2	A0 J	12A	3432	A -14 2572
94		8.9A	31 14.097	-0.0025	15	-19 33 56.89	-0.028	12	0.28	14.139	18	33.2	57.35	16	33.2	F0 J	12B	3750	A -19 2452
95		6.6T	31 14.861	-0.0006	18	-15 56 17.07	-0.000	14	0.89	14.890	21	97.8	17.04	18	94.8	K0	GC	11734	-15 2494
96		9.4A	31 17.880	0.0005	21	-17 36 19.89	-0.009	15	0.35	17.871	18	33.2	19.73	16	33.2	A2 J	12A	3434	A -17 2549
97		9.0A	31 19.324	-0.0008	15	-13 10 8.54	-0.014	17	0.31	19.338	18	33.2	8.30	16	33.2	F2 J	11	3279	A -12 2580
98		8.4A	31 27.421	-0.0019	21	-14 13 28.15	0.000	15	0.35	27.454	18	33.2	28.16	16	33.2	A0 J	12A	3435	A -13 2593
99		8.5A	31 27.588	-0.0024	15	-10 47 32.82	-0.018	17	0.31	27.629	18	33.2	32.51	16	33.2	A0 J	11	3280	A -10 2565
00		9.2A	31 30.460	0.0014	17	-14 14 17.70	-0.006	18	0.34	30.437	18	33.2	17.60	16	33.2	A J	11	3284	A -13 2594

154400

EPOCH 1950 — ORIGINAL EPOCH — SOURCE — −10° 8H

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.		SOURCE CAT.	SOURCE STAR NUMBER	DM NUMBER
1		8.9A	8 31 31.416	-0.0022	17	-13 52 30.40	0.006	18	0.34	31.453	18	33.2	30.51	16	33.2	A5	J	11	3285	A -13 2595
2		8.6A	31 31.459	-0.0009	15	-12 2 23.16	-0.020	15	0.30	31.474	18	33.2	22.82	16	33.2	K0	J	11	3283	A -11 2388
3		8.9A	31 32.146	-0.0001	15	-10 29 53.77	-0.014	17	0.31	32.148	18	33.2	53.53	16	33.2	A0	J	11	3282	A -10 2566
4		8.6A	31 32.503	0.0007	21	-14 54 34.18	-0.002	15	0.35	32.492	18	33.2	34.14	16	33.2	K5	J	12A	3436	A -14 2573
5		8.8A	31 35.989	-0.0013	18	-17 34 0.80	0.015	13	0.32	36.011	18	33.2	1.05	16	33.2	K2	J	12A	3437	A -17 2552
6		9.2A	31 38.040	-0.0015	15	-18 16 1.51	0.002	12	0.28	38.065	18	33.2	1.53	16	33.2	A5	J	12B	3752	A -17 2553
7		9.1A	31 39.050	-0.0009	15	-13 31 25.15	-0.040	15	0.30	39.065	18	33.2	24.48	16	33.2	K0	J	11	3286	A -13 2396
8		9.3A	31 40.798	0.0022	21	-16 47 59.64	-0.013	15	0.35	40.761	18	33.2	59.42	16	33.2	G0	J	12A	3439	A -16 2507
9		8.7A	31 43.256	-0.0000	17	-19 53 39.80	0.013	13	0.30	43.257	18	33.2	40.01	16	33.2	F0	J	12B	3753	A -19 2457
10		8.1A	31 52.608	0.0019	17	-12 10 25.19	-0.013	18	0.34	52.576	18	33.2	24.97	16	33.2	G5	J	11	3287	A -11 2390
11		9.3A	31 54.252	-0.0020	18	-15 22 49.49	-0.003	13	0.32	54.286	18	33.2	49.44	16	33.2	K0	J	12A	3440	A -15 2502
12		8.9A	31 55.482	-0.0010	18	-13 30 15.96	-0.011	20	0.36	55.499	18	33.2	15.78	16	33.2	K2	J	11	3289	A -13 2398
13		8.3A	31 55.654	0.0015	17	-13 4 29.06	0.017	18	0.34	55.629	18	33.2	29.34	16	33.2	K5	J	11	3288	A -12 2583
14		8.9A	32 4.637	-0.0018	18	-17 33 2.99	-0.011	13	0.32	4.660	18	33.2	2.85	16	33.2	G5	J	12A	3441	A -17 2561
15		8.9A	32 5.172	-0.0052	17	-19 23 30.03	0.043	13	0.30	5.259	18	33.2	30.76	16	33.2	F8	J	12B	3757	A -19 2460
16		9.0A	32 7.644	-0.0005	21	-15 5 47.62	-0.018	15	0.35	7.653	18	33.2	47.33	16	33.2	F0	J	12A	3442	A -14 2576
17		9.0A	32 9.326	0.0011	21	-16 28 31.45	-0.002	15	0.35	9.308	18	33.2	31.41	16	33.2	K2	J	12A	3443	A -16 2509
18		9.3A	32 26.996	-0.0000	21	-16 38 16.80	-0.033	15	0.35	26.897	18	33.2	16.24	16	33.2	G0	J	12A	3444	A -16 2510
19		8.7A	32 27.234	0.0014	17	-18 47 36.06	-0.032	12	0.30	27.211	18	33.2	35.53	16	33.2	K0	J	12B	3761	A -18 2397
20		8.8A	32 28.459	0.0016	17	-12 20 27.00	-0.019	18	0.34	28.432	18	33.2	26.68	16	33.2	M5	J	11	3290	A -12 2586
21		8.9A	32 28.784	0.0018	18	-18 37 30.75	-0.011	13	0.32	28.734	18	33.2	30.57	16	33.2	K0	J	12B	3762	A -18 2398
22		8.7A	32 31.899	-0.0010	17	-10 45 17.62	-0.030	18	0.34	31.915	18	33.2	17.11	16	33.2	F0	J	11	3291	A -10 2570
23		8.5A	32 31.904	0.0057	18	-14 16 52.84	-0.184	13	0.32	31.808	18	33.2	49.75	16	33.2	G5	J	12A	3445	A -13 2600
24		8.8A	32 32.386	-0.0004	18	-18 34 22.01	0.016	13	0.32	32.374	18	33.2	22.28	16	33.2	A2	J	12B	3764	A -18 2400
25		8.5A	32 42.525	-0.0023	18	-11 32 17.29	-0.019	20	0.36	42.564	18	33.2	16.97	16	33.2	B9	J	11	3293	A -11 2398
26		9.0A	32 46.226	-0.0034	12	-10 12 0.51	-0.022	12	0.26	46.283	16	33.1	0.13	16	33.1	F5		16	3318	A -9 2581
27		8.6A	32 46.775	-0.0002	17	-11 52 49.12	-0.002	18	0.34	46.778	18	33.2	49.08	16	33.2	G0	J	11	3295	A -11 2399
28		9.0A	33 3.200	-0.0021	21	-15 2 36.43	-0.011	15	0.35	3.234	18	33.2	36.25	16	33.2	K0	J	12A	3446	A -14 2579
29		8.9A	33 3.382	0.0011	18	-18 52 3.84	-0.012	13	0.32	3.364	18	33.2	3.64	16	33.2	K5	J	12B	3775	A -18 2404
30		9.0A	33 9.321	-0.0017	12	-10 12 43.87	-0.011	12	0.26	9.349	16	33.1	43.68	16	33.1	A0		16	3324	A -9 2587
31		8.6A	33 11.709	-0.0022	17	-10 36 54.92	-0.002	18	0.34	11.746	18	33.2	54.88	16	33.2	A0	J	11	3297	A -10 2572
32		9.1A	33 13.987	-0.0031	17	-19 36 35.86	0.017	13	0.30	14.039	18	33.2	36.13	16	33.2	K0	J	12B	3776	A -19 2466
33		8.9A	33 21.122	-0.0012	21	-15 49 8.17	-0.010	15	0.35	21.142	18	33.2	8.01	16	33.2	F0	J	12A	3447	A -15 2510
34		7.8A	33 28.450	-0.0005	18	-11 7 2.84	-0.049	20	0.36	28.459	18	33.2	2.01	16	33.2	M1	J	11	3298	A -10 2575
35		9.1A	33 28.697	-0.0007	17	-18 53 43.02	-0.007	13	0.30	28.710	18	33.2	42.91	16	33.2	K0	J	12B	3778	A -18 2406
36		8.6A	33 39.153	-0.0003	17	-11 25 42.09	-0.005	18	0.34	39.159	18	33.2	42.00	16	33.2	A3	J	11	3299	A -11 2403
37		9.3A	33 39.472	0.0002	17	-13 5 25.17	0.051	18	0.34	39.469	18	33.2	26.02	16	33.2	A2	J	11	3300	A -12 2598
38		8.9A	33 40.308	-0.0015	18	-18 35 3.04	0.008	13	0.32	40.355	18	33.2	3.18	16	33.2	F8	J	12B	3780	A -18 2408
39		9.0A	33 40.780	-0.0035	21	-14 12 28.05	-0.014	15	0.35	40.839	18	33.2	27.82	16	33.2	F5	J	12A	3448	A -13 2606
40		9.0A	33 48.669	0.0012	20	-18 33 7.04	-0.012	15	0.34	48.650	18	33.2	6.84	16	33.2	K0	J	12B	3783	A -18 2409
41		9.0A	33 55.727	-0.0014	15	-12 15 29.63	0.009	15	0.30	55.751	18	33.2	29.78	16	33.2	A0	J	11	3302	A -11 2407
42		8.2A	33 55.895	-0.0007	21	-14 57 0.65	0.013	15	0.35	55.907	18	33.2	0.86	16	33.2	K2	J	12A	3450	A -14 2583
43		8.0A	34 1.397	-0.0006	15	-12 58 37.28	0.030	15	0.30	1.406	18	33.2	37.78	16	33.2	F2	J	11	3304	A -12 2600
44		9.0A	34 2.746	-0.0017	12	-10 16 40.96	0.003	12	0.26	2.774	16	33.1	41.01	16	33.1	F2		16	3327	A -9 2592
45		8.9A	34 6.479	0.0005	15	-13 38 40.04	-0.064	17	0.31	6.471	18	33.2	38.97	16	33.2	K	J	11	3306	A -13 2609
46		7.9A	34 8.514	-0.0030	12	-10 23 30.03	-0.008	12	0.26	8.564	16	33.1	29.89	16	33.1	A0		16	3328	A -10 2578
47		8.8A	34 11.879	-0.0011	12	-10 10 16.44	-0.040	12	0.26	11.897	16	33.1	15.76	16	33.1	K2		16	3329	A -9 2593
48		8.3A	34 12.398	-0.0026	12	-10 1 33.00	0.003	12	0.26	12.441	16	33.1	33.05	16	33.1	K0		16	3330	A -9 2594
49		8.8A	34 12.485	-0.0006	21	-17 13 25.61	0.007	15	0.35	12.495	18	33.2	25.72	16	33.2	K0	J	12A	3452	A -16 2519
50		8.6A	34 14.042	-0.0001	21	-14 26 20.26	-0.043	15	0.35	14.045	18	33.2	19.54	16	33.2	K0	J	12A	3451	A -14 2586
51		8.6A	8 34 15.597	-0.0017	21	-17 50 51.45	-0.005	15	0.35	15.626	18	33.2	51.36	16	33.2	K0	J	12A	3453	A -17 2576
52		8.9A	34 21.004	-0.0022	15	-19 51 16.69	-0.021	11	0.28	21.041	18	33.2	16.33	16	33.2	K0	J	12B	3788	A -19 2474
53		8.6A	34 30.861	0.0017	21	-15 18 7.46	-0.001	15	0.35	30.832	18	33.2	7.45	16	33.2	K0	J	12A	3454	A -14 2589
54		8.5A	34 32.383	-0.0039	18	-14 35 38.46	-0.063	13	0.32	32.449	18	33.2	37.40	16	33.2	G5	J	12A	3455	A -14 2588
55		8.2A	34 36.522	-0.0018	15	-13 49 32.24	-0.005	17	0.31	36.552	18	33.2	32.16	16	33.2	A5	J	11	3309	A -13 2613
56		9.2A	34 37.853	-0.0019	17	-13 28 33.46	-0.004	18	0.34	37.884	18	33.2	33.39	16	33.2	K5	J	11	3310	A -13 2614
57		8.8A	34 39.286	0.0006	21	-17 41 42.52	-0.013	15	0.35	39.256	18	33.2	42.29	16	33.2	K0	J	12A	3456	A -17 2580
58		9.0A	34 40.544	0.0009	15	-13 52 55.29	0.009	17	0.31	40.529	18	33.2	55.45	16	33.2	B9	J	11	3311	A -13 2615
59		7.1T	34 41.548	-0.0000	14	-18 30 18.97	-0.028	12	0.52	41.550	09	11.0	17.92	09	12.4	G5		GC	11813	-18 2416
60		8.4A	34 43.262	-0.0008	21	-14 54 52.60	-0.008	15	0.35	43.296	18	33.2	52.46	16	33.2	K2	J	12A	3457	A -14 2590
61		8.1A	34 50.729	-0.0001	21	-15 50 40.00	-0.005	15	0.35	50.731	18	33.2	39.92	16	33.2	K0	J	12A	3458	A -15 2520
62		8.8A	34 58.445	-0.0100	21	-17 19 12.51	0.049	15	0.35	58.612	18	33.2	13.33	16	33.2	G5	J	12A	3459	A -16 2525
63		9.2A	35 10.709	-0.0024	21	-17 2 39.47	-0.003	15	0.35	10.750	18	33.2	39.41	16	33.2	F0	J	12A	3460	A -16 2527
64		6.6T	35 11.838	-0.0036	12	-12 24 38.54	0.011	10	0.57	12.022	19	99.6	39.10	17	99.1	F0		GC	11831	-12 2607
65		8.7A	35 12.598	-0.0028	15	-10 45 55.68	0.019	15	0.30	12.646	18	33.2	56.00	16	33.2	F2	J	11	3312	A -10 2583
66		8.9A	35 12.620	-0.0058	15	-13 39 28.20	-0.032	17	0.31	12.718	18	33.2	27.67	16	33.2	F2	J	11	3314	A -13 2617
67		9.2A	35 14.491	-0.0003	18	-18 16 38.76	-0.023	13	0.32	14.496	18	33.2	38.37	16	33.2	F8	J	12B	3793	A -17 2583
68		9.1A	35 18.149	-0.0021	15	-13 22 20.51	0.005	15	0.30	18.184	18	33.2	20.59	16	33.2	K0	J	11	3315	A -13 2619
69		8.2A	35 25.794	-0.0014	17	-12 21 39.78	-0.003	18	0.34	25.818	18	33.2	39.73	16	33.2	F2	J	11	3316	A -12 2609
70		7.2A	35 30.947	-0.0006	17	-12 31 48.62	-0.012	18	0.34	30.958	18	33.2	48.41	16	33.2	K0	J	11	3317	A -12 2610
71		9.1A	35 32.704	-0.0008	21	-15 47 50.46	-0.004	15	0.35	32.718	18	33.2	50.40	16	33.2	G5	J	12A	3462	A -15 2525
72		8.4A	35 33.607	-0.0001	21	-15 22 28.83	0.003	15	0.35	33.608	18	33.2	28.88	16	33.2	K0	J	12A	3463	A -15 2526
73		8.6A	35 34.050	-0.0009	21	-17 54 6.81	0.007	15	0.35	34.066	18	33.2	6.92	16	33.2	K0	J	12A	3464	A -17 2586
74		9.0A	35 38.011	-0.0016	17	-18 13 47.08	-0.009	13	0.30	38.039	18	33.2	46.92	16	33.2	F0	J	12B	3795	A -17 2587
75		6.5T	35 38.715	-0.0004	17	-11 34 3.98	-0.015	16	0.82	38.732	24	02.6	3.25	22	01.2	A0		GC	11847	-11 2411
76		8.9A	35 44.270	-0.0009	15	-10 57 4.18	-0.038	15	0.30	44.285	18	33.2	3.54	16	33.2	F0	J	11	3319	A -10 2585
77		8.9A	35 46.605	-0.0006	15	-13 44 59.16	0.018	15	0.30	46.615	18	33.2	59.47	16	33.2	K5	J	11	3320	A -13 2623
78		8.9A	35 54.663	-0.0000	21	-17 6 31.51	0.004	15	0.35	54.664	18	33.2	31.57	16	33.2	K2	J	12A	3466	A -16 2532
79		7.9A	36 1.174	-0.0034	21	-15 5 57.00	0.000	15	0.35	1.232	18	33.2	57.00	16	33.2	K0	J	12A	3467	A -14 2594
80		8.4A	36 2.005	-0.0040	15	-10 38 55.28	-0.007	17	0.31	2.072	18	33.2	55.16	16	33.2	A2	J	11	3321	A -10 2588
81		8.9A	36 3.091	-0.0010	17	-19 31 7.97	-0.025	12	0.30	3.108	18	33.2	7.54	16	33.2	F2	J	12B	3800	A -19 2486
82		9.5A	36 3.268	-0.0010	17	-15 54 54.68	0.034	11	0.29	3.286	18	33.2	55.27	16	33.2	K0	J	12A	3468	A -15 2531
83		9.0A	36 4.498	-0.0019	18	-19 25 25.65	-0.001	13	0.32	4.531	18	33.2	25.64	16	33.2	K5	J	12B	3803	A -19 2487
84		8.5A	36 7.618	-0.0015	21	-16 49 38.27	-0.003	15	0.35	7.643	18	33.2	38.21	16	33.2	G5	J	12A	3470	A -16 2534
85		9.0A	36 8.448	-0.0026	21	-15 0 44.89	-0.007	15	0.35	8.492	18	33.2	44.77	16	33.2	A2	J	12A	3469	A -14 2595
86		9.0A	36 11.973	-0.0049	15	-13 1 47.56	-0.001	17	0.31	12.055	18	33.2	47.54	16	33.2	F0	J	11	3322	A -12 2616
87		9.6A	36 12.897	-0.0038	21	-15 55 49.62	0.010	15	0.35	12.960	18	33.2	49.78	16	33.2	G5	J	12A	3471	A -15 2533
88		8.7A	36 22.331	-0.0020	17	-18 15 47.32	-0.005	13	0.30	22.365	18	33.2	47.23	16	33.2	A5	J	12B	3806	A -17 2593
89		8.3A	36 23.185	-0.0006	21	-14 32 50.45	-0.018	15	0.35	23.194	18	33.2	50.15	16	33.2	K0	J	12A	3472	A -14 2596
90		9.1A	36 23.786	-0.0045	15	-13 4 49.50	0.049	17	0.31	23.862	18	33.2	50.32	16	33.2	K	J	11	3324	A -12 2618
91		8.6A	36 24.196	0.0005	17	-11 26 58.95	-0.022	18	0.34	24.187	18	33.2	58.58	16	33.2	G5	J	11	3323	A -11 2413
92		6.5T	36 24.924	0.0003	14	-19 33 37.63	-0.017	13	0.63	24.913	18	D6.4	36.84	17	04.9	K5		GC	11865K	B*-19 2489
93		9.4A	36 31.633	-0.0010	21	-15 50 59.39	-0.014	15	0.35	31.650	18	33.2	59.17	16	33.2	K0	J	12A	3474	A -15 2534
94		8.5A	36 35.616	-0.0031	17	-12 39 16.46	0.017	18	0.34	35.668	18	33.2	16.74	16	33.2	F2	J	11	3325	A -12 2619
95		8.2A	36 35.659	-0.0002	21	-14 29 49.61	-0.010	15	0.35	35.663	18	33.2	49.45	16	33.2	K5	J	12A	3475	A -14 2597
96		9.0A	36 36.387	-0.0026	20	-19 56 5.75	0.009	15	0.34	36.432	18	33.2	5.89	16	33.2	M2	J	12B	3809	A -19 2490
97		8.3A	36 38.490	-0.0008	15	-11 56 36.83	-0.035	17	0.31	38.500	18	33.2	36.24	16	33.2	A2	J	11	3326	A -11 2415
98		9.2A	36 42.374	-0.0001	21	-16 12 33.25	-0.016	15	0.35	42.376	18	33.2	32.98	16	33.2	A2	J	12A	3477	A -15 2535
99		8.9A	36 43.087	-0.0024	18	-14 59 5.29	0.015	13	0.32	43.127	18	33.2	5.54	16	33.2	K0	J	12A	3476	A -14 2599
00		9.0A	36 43.853	-0.0018	21	-17 7 29.73	0.003	15	0.35	43.883	18	33.2	29.78	16	33.2	K0	J	12A	3478	A -16 2537

154500

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.		SOURCE CAT.	STAR NUMBER	-10° 8H DM NUMBER
1		9.0A	8 36 44.225	-0.0005	21	-17 48 18.23	-0.001	15	0.35	44.234	18	33.2	18.21	16	33.2	K2	J	12A	3479	A -17 2595
2		9.0A	36 47.406	-0.0007	18	-13 22 28.18	0.012	20	0.36	47.418	18	33.2	28.38	16	33.2	F0	J	11	3327	A -13 2628
3		7.9A	36 51.639	-0.0001	21	-15 51 19.80	-0.002	15	0.35	51.642	18	33.2	19.76	16	33.2	A0	J	12A	3480K	A -15 2538
4		6.6T	36 52.710	-0.0007	11	-12 33 36.63	-0.005	09	0.53	52.740	19	04.5	36.37	18	98.6	A0		GC	11875	-12 2620
5		9.1A	36 53.397	-0.0109	18	-19 48 22.46	-0.020	13	0.32	53.580	18	33.2	22.11	16	33.2	G5	J	12B	3811	A -19 2491
6		9.0A	37 4.789	-0.0028	18	-17 14 13.58	-0.012	13	0.32	4.837	18	33.2	13.37	16	33.2	K0	J	12A	3481	A -16 2538
7		8.6A	37 10.777	-0.0024	18	-18 40 36.68	0.017	13	0.32	10.818	18	33.2	36.97	16	33.2	F2	J	12B	3814	A -18 2429
8		7.1T	37 12.309	-0.0062	22	-18 5 18.78	-0.022	17	0.94	12.586	26	05.7	17.71	22	01.8	A2		GC	11885	-17 2597
9		7.4A	37 15.565	-0.0044	21	-14 18 40.76	-0.036	15	0.35	15.639	18	33.2	40.16	16	33.2	K0	J	12A	3482	A -13 2633
10		8.2A	37 18.531	-0.0027	12	-10 17 58.36	-0.008	12	0.26	18.577	16	33.1	58.22	16	33.1	G5		16	3362	A -9 2613
11		9.1A	37 21.012	-0.0015	21	-15 20 6.31	-0.016	15	0.35	21.038	18	33.2	6.05	16	33.2	G0	J	12A	3484	A -15 2541
12		8.6A	37 30.086	-0.0005	18	-18 15 57.83	-0.015	15	0.33	30.095	18	33.2	57.57	16	33.2	B8	J	12B	3820	A -17 2601
13		9.1A	37 30.930	-0.0014	21	-15 19 44.63	-0.024	15	0.35	30.953	18	33.2	44.24	16	33.2	F2	J	12A	3485	A -14 2604
14		7.0T	37 35.726	0.0002	16	-17 7 23.39	-0.161	13	0.74	35.715	21	03.3	15.29	18	99.8	M8		GC	11906	-16 2541
15		5.1H	37 39.279	-0.0061	02	-12 17 51.03	-0.006	02	0.06	39.487	03	15.6	50.83	03	15.3	K2		F4	325	-11 2420
16		9.1A	37 39.898	-0.0025	17	-17 31 42.91	0.013	12	0.30	39.941	18	33.2	43.12	16	33.2	K0	J	12A	3488	A -17 2603
17		9.5A	37 43.302	0.0040	21	-17 4 41.75	-0.062	15	0.35	43.235	18	33.2	40.37	16	33.2	G5	J	12A	3490	A -16 2542
18		8.2A	37 43.769	-0.0010	21	-14 51 30.85	-0.000	15	0.35	43.786	18	33.2	30.85	16	33.2	M3	J	12A	3489	A -14 2608
19		8.3A	37 49.451	-0.0014	17	-13 41 28.31	0.004	18	0.34	49.475	18	33.2	28.38	16	33.2	K0	J	11	3332	A -13 2638
20		9.0A	37 51.627	-0.0009	21	-18 3 59.76	0.017	15	0.35	51.642	18	33.2	* 0.04	16	33.2	F0	J	12A	3491	A -17 2604
21		9.1A	37 52.902	-0.0012	20	-18 26 18.75	-0.016	15	0.34	52.923	18	33.2	18.48	16	33.2	A2	J	12B	3823	A -18 2435
22		8.4A	37 53.241	0.0001	15	-13 23 18.65	-0.006	17	0.31	53.240	18	33.2	18.55	16	33.2	A0	J	11	3333	A -13 2640
23		8.8A	37 56.795	-0.0033	15	-10 46 59.95	0.039	15	0.30	56.850	18	33.2	* 0.60	16	33.2	F5	J	11	3334	A -10 2595
24		8.6A	37 58.743	-0.0010	21	-15 7 17.22	0.000	15	0.35	58.760	18	33.2	17.23	16	33.2	F0	J	12A	3493K	A -14 2610
25		8.2A	38 3.784	-0.0021	21	-14 31 8.87	-0.020	15	0.35	3.819	18	33.2	8.53	16	33.2	A2	J	12A	3494	A -14 2611
26		9.0A	38 6.830	-0.0028	21	-17 16 42.51	-0.004	15	0.35	6.878	18	33.2	42.44	16	33.2	G5	J	12A	3495	A -16 2547
27		9.0A	38 10.382	0.0005	17	-19 7 13.08	0.020	12	0.30	10.375	18	33.2	13.42	16	33.2	A0	J	12B	3827	A -18 2436
28		8.6A	38 14.480	-0.0038	18	-19 16 1.57	0.011	13	0.32	14.545	18	33.2	1.76	16	33.2	K0	J	12B	3828	A -18 2437
29		8.7A	38 15.659	-0.0023	17	-19 1 11.27	-0.011	13	0.30	15.698	18	33.2	11.09	16	33.2	G0	J	12B	3829	A -18 2438
30		8.4Q	38 18.341	-0.0031	07	-11 59 22.38	0.041	10	0.48	18.495	19	99.4	24.41	19	00.5			GC	11925K	-11 2425
31		8.0Q	38 18.723	-0.0027	06	-11 59 26.31	0.014	06	0.36	18.865	18	96.3	27.14	17	90.9	A2		GC	11926K	-11 2425
32		9.2A	38 20.481	-0.0011	21	-18 8 1.13	0.008	15	0.35	20.500	18	33.2	1.26	16	33.2	F2	J	12A	3497	A -17 2607
33		7.8Q	38 20.934	-0.0007	10	-11 44 55.63	-0.015	07	0.50	20.973	24	98.4	54.70	21	88.0	G5		GC	11927	-11 2426
34		9.2A	38 22.646	-0.0011	17	-12 26 26.03	-0.030	18	0.34	22.665	18	33.2	25.53	16	33.2	K0	J	11	3339	A -12 2626
35		7.8A	38 26.865	-0.0041	12	-10 16 3.76	-0.022	12	0.26	26.934	16	33.1	3.38	16	33.1	K0		16	3370	A -9 2621
36		8.9A	38 27.981	-0.0007	21	-17 58 11.61	-0.015	15	0.35	27.992	18	33.2	11.35	16	33.2	A0	J	12A	3500	A -17 2609
37		9.1A	38 29.565	-0.0039	18	-15 52 52.56	-0.012	13	0.32	29.631	18	33.2	52.37	16	33.2	F5	J	12A	3499	A -15 2547
38		9.3A	38 30.779	0.0250	21	-16 9 35.29	-0.486	15	0.35	30.359	18	33.2	27.13	16	33.2	F5	J	12A	3498	A -15 2546
39		9.0A	38 31.524	-0.0003	15	-18 24 31.54	-0.044	11	0.28	31.529	18	33.2	30.79	16	33.2	G5	J	12B	3833	A -18 2440
40		8.7A	38 36.364	0.0002	18	-17 9 38.19	0.010	13	0.32	36.360	18	33.2	38.36	16	33.2	A0	J	12A	3503K	A -16 2550
41		8.6A	38 37.113	-0.0013	18	-14 59 16.10	-0.013	13	0.32	37.134	18	33.2	15.88	16	33.2	K0	J	12A	3502	A -14 2614
42		8.2A	38 41.407	-0.0040	18	-14 6 51.65	-0.014	20	0.36	41.474	18	33.2	51.42	16	33.2	F5	J	11	3341	A -13 2644
43		8.4A	38 42.864	0.0023	21	-14 40 46.54	-0.061	15	0.35	42.825	18	33.2	45.51	16	33.2	K2	J	12A	3504	A -14 2615
44		9.0A	38 47.116	-0.0008	21	-16 1 49.55	-0.017	15	0.35	47.130	18	33.2	49.25	16	33.2	K0	J	12A	3505	A -15 2551
45		8.3A	38 53.006	-0.0026	13	-19 44 12.83	0.009	09	0.26	53.050	18	33.2	12.97	16	33.2	A3	J	12B	3836	A -19 2500
46		8.7A	39 3.914	-0.0014	17	-18 59 44.53	-0.019	13	0.30	3.939	18	33.2	44.22	16	33.2	K2	J	12B	3837	A -18 2445
47		8.0A	39 5.492	-0.0045	17	-19 16 28.43	0.020	13	0.30	5.568	18	33.2	28.77	16	33.2	F5	J	12B	3838	A -18 2446
48		8.9A	39 9.795	0.0001	17	-12 36 36.58	0.002	18	0.34	9.793	18	33.2	36.61	16	33.2	A2	J	11	3342	A -12 2632
49		9.0A	39 13.201	-0.0003	18	-13 34 26.14	-0.001	20	0.36	13.207	18	33.2	26.13	16	33.2	K2	J	11	3343	A -13 2648
50		9.4A	39 18.636	-0.0018	21	-16 28 5.32	-0.005	15	0.35	18.667	18	33.2	5.24	16	33.2	F0	J	12A	3506	A -16 2555
51		8.8A	8 39 22.142	-0.0023	13	-19 48 42.97	0.003	11	0.26	22.181	18	33.2	43.01	16	33.2	K0	J	12B	3840	A -19 2505
52		5.0T	39 24.073	-0.0006	05	-15 45 45.16	-0.096	04	0.25	24.098	12	03.4	40.15	10	97.7	K0		GC	11959K	B*-15 2554
53		9.0A	39 28.051	0.0005	21	-18 8 51.87	0.002	15	0.35	28.043	18	33.2	51.90	16	33.2	B9	J	12A	3508	A -17 2614
54		8.7A	39 28.081	-0.0018	15	-13 38 5.43	0.003	17	0.31	28.112	18	33.2	5.49	16	33.2	K2	J	11	3344	A -13 2649
55		8.6A	39 35.320	0.0002	15	-13 44 22.52	0.025	17	0.31	35.318	18	33.2	22.95	16	33.2	K2	J	11	3345	A -13 2651
56		9.2A	39 43.405	0.0002	17	-12 34 10.74	0.020	18	0.34	43.400	18	33.2	11.08	16	33.2	F5	J	11	3346	A -12 2635
57		9.1A	39 43.565	-0.0010	13	-13 38 43.34	-0.030	15	0.29	43.582	18	33.2	42.84	16	33.2	F8	J	11	3347	A -13 2652
58		6.3T	39 46.885	-0.0025	14	-11 47 9.89	-0.027	13	0.75	47.013	19	97.6	8.42	18	95.8	A2		GC	11969	-11 2432
59		8.4A	39 48.260	-0.0010	18	-17 15 0.12	0.024	13	0.32	48.276	18	33.2	0.52	16	33.2	F5	J	12A	3509K	A -16 2559
60		8.7A	39 48.887	-0.0020	17	-13 21 30.35	-0.013	18	0.34	48.920	18	33.2	30.13	16	33.2	A3	J	11	3349	A -13 2653
61		8.4A	39 59.349	-0.0006	17	-13 6 47.91	-0.020	17	0.33	59.359	18	33.2	47.58	16	33.2	K5	J	11	3350	A -12 2636
62		9.0A	39 59.745	0.0009	21	-15 51 42.93	0.005	15	0.35	59.730	18	33.2	43.03	16	33.2	A2	J	12A	3510	A -15 2557
63		8.5A	40 4.770	0.0005	15	-10 50 34.64	-0.025	15	0.30	4.762	18	33.2	34.22	16	33.2	A2	J	11	3351	A -10 2611
64		8.2A	40 21.029	0.0008	21	-15 48 20.64	-0.012	15	0.35	21.015	18	33.2	20.43	16	33.2	K0	J	12A	3511	A -15 2558
65		9.3A	40 22.176	-0.0028	18	-19 13 29.18	0.042	15	0.33	22.223	18	33.2	29.89	16	33.2	F5	J	12B	3846	A -18 2451
66		9.6A	40 26.226	-0.0031	21	-15 33 20.41	0.010	15	0.35	26.279	18	33.2	20.57	16	33.2	G0	J	12A	3512	A -15 2559
67		9.3A	40 33.091	-0.0006	21	-16 13 48.13	0.006	15	0.35	33.101	18	33.2	48.24	16	33.2	A2	J	12A	3513	A -15 2561
68		8.2A	40 35.333	-0.0033	21	-14 48 48.56	-0.085	15	0.35	35.388	18	33.2	47.13	16	33.2	G5	J	12A	3514	A -14 2629
69		8.8A	40 44.783	-0.0035	21	-17 1 0.29	-0.013	15	0.35	44.842	18	33.2	0.50	16	33.2	F0	J	12A	3515	A -16 2562
70		8.4A	40 45.092	-0.0023	15	-12 14 26.72	-0.022	17	0.31	45.130	18	33.2	26.36	16	33.2	F5	J	11	3352	A -11 2437
71		8.6A	40 49.080	-0.0032	21	-14 48 56.54	-0.014	15	0.35	49.134	18	33.2	56.30	16	33.2	A0	J	12A	3516	A -14 2630
72		9.3A	41 2.086	-0.0026	18	-17 44 9.51	-0.002	13	0.32	2.130	18	33.2	9.47	16	33.2	A2	J	12A	3517	A -17 2623
73		9.0A	41 6.216	-0.0041	17	-19 53 57.98	0.010	13	0.30	6.285	18	33.2	58.14	16	33.2	A0	J	12B	3854	A -19 2510
74		9.3A	41 7.130	-0.0022	18	-15 25 53.91	-0.123	13	0.32	7.168	18	33.2	51.85	16	33.2	K0	J	12A	3518	A -15 2565
75		9.1A	41 8.991	-0.0075	17	-19 23 52.23	-0.141	13	0.30	9.118	18	33.2	49.87	16	33.2	K0	J	12B	3855	A -19 2511
76		8.1A	41 11.449	-0.0020	13	-13 51 38.74	-0.002	15	0.29	11.484	18	33.2	38.71	16	33.2	A0	J	11	3353	A -13 2661
77		8.8A	41 12.110	-0.0001	21	-17 2 56.81	-0.000	15	0.35	12.112	18	33.2	56.81	16	33.2	K5	J	12A	3519	A -16 2564
78		9.2A	41 20.611	-0.0039	21	-17 28 26.58	0.015	15	0.35	20.676	18	33.2	26.83	16	33.2	G5	J	12A	3521	A -17 2626
79		9.2A	41 21.158	-0.0012	21	-16 23 23.56	0.000	15	0.35	21.179	18	33.2	23.57	16	33.2	K5	J	12A	3520	A -16 2565
80		9.3A	41 25.038	-0.0023	18	-16 4 44.32	-0.027	13	0.32	25.076	18	33.2	43.88	16	33.2	K5	J	12A	3522	A -15 2568
81		8.4A	41 31.472	0.0050	21	-16 50 13.66	-0.138	15	0.35	31.387	18	33.2	11.33	16	33.2	F8	J	12A	3524	A -16 2566
82		8.3A	41 32.286	-0.0000	21	-15 46 21.73	-0.002	15	0.35	32.289	18	33.2	21.70	16	33.2	K0	J	12A	3525	A -15 2569
83		8.1A	41 32.529	-0.0028	17	-14 52 54.93	0.019	12	0.30	32.577	18	33.2	55.25	16	33.2	K0	J	12A	3523	A -14 2631
84		8.8A	41 34.412	0.0016	15	-12 17 20.98	-0.005	17	0.31	34.386	18	33.2	20.90	16	33.2	K0	J	11	3354	A -11 2441
85		8.8A	41 36.512	-0.0003	12	-10 22 26.26	-0.028	12	0.26	36.516	16	33.1	25.78	16	33.1	B9		16	3399	A -10 2619
86		9.0A	41 42.133	-0.0031	21	-15 47 50.48	0.001	15	0.35	42.186	18	33.2	50.51	16	33.2	K0	J	12A	3526	A -15 2570
87		9.0A	41 44.108	-0.0011	21	-14 47 45.76	-0.029	15	0.35	44.127	18	33.2	45.27	16	33.2	K7	J	12A	3527	A -14 2633
88		8.8A	41 44.752	-0.0031	15	-10 55 34.39	-0.024	17	0.31	44.805	18	33.2	33.98	16	33.2	F8	J	11	3356	A -10 2622
89		9.1A	41 47.352	-0.0010	21	-17 11 19.40	-0.016	15	0.35	47.369	18	33.2	19.12	16	33.2	K5	J	12A	3528	A -16 2568
90		8.5A	41 50.156	-0.0000	17	-16 45 52.77	-0.018	12	0.30	50.157	18	33.2	52.46	16	33.2	K0	J	12A	3529	A -16 2569
91		9.6A	41 52.026	0.0005	21	-17 30 17.76	0.004	15	0.35	52.017	18	33.2	17.82	16	33.2	K2	J	12A	3530	A -17 2631
92		8.6A	41 53.761	0.0009	15	-12 15 37.08	0.023	15	0.30	53.746	18	33.2	37.46	16	33.2	A2	J	11	3357	A -11 2444
93		9.1A	41 54.349	-0.0034	18	-19 27 4.72	-0.023	15	0.33	54.407	18	33.1	4.34	16	33.1	A3	J	12B	3859	A -19 2514
94		8.4A	42 7.270	-0.0007	21	-17 49 41.79	-0.002	15	0.35	7.281	18	33.1	41.75	16	33.1	K2	J	12A	3531	A -17 2632
95		8.9A	42 7.439	-0.0009	12	-10 18 16.25	-0.030	12	0.26	7.455	16	33.1	15.74	16	33.1	K5		16	3402	A -9 2641
96		8.5A	42 9.505	-0.0027	15	-12 27 36.53	-0.006	17	0.32	9.550	18	33.1	36.43	16	33.1	A3	J	11	3359	A -12 2656
97		8.4A	42 10.108	-0.0019	17	-18 54 0.58	-0.028	13	0.31	10.138	18	33.1	0.11	16	33.1	K0	J	12B	3864	A -18 2462
98		8.8A	42 10.750	0.0003	15	-13 0 40.80	0.018	17	0.32	10.746	18	33.1	41.10	16	33.1	B9	J	11	3360	A -12 2657
99		9.2A	42 12.631	-0.0039	18	-19 31 14.98	-0.006	13	0.32	12.698	18	33.1	14.87	16	33.1	A3	J	12B	3865	A -19 2516
00		9.4A	42 22.760	-0.0014	18	-19 24 50.43	0.008	13	0.32	22.783	18	33.1	50.57	16	33.1	A2	J	12B	3867	A -19 2517

154600

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	-10° 8H DM NUMBER
1		8.6A	8 42 37.967	0.0012	21	-15 50 8.85	-0.006	15	0.35	37.947	18	33.1	8.76	16	33.1	K0 J	12A	3532	A -15 2574
2		8.3A	42 44.268	-0.0014	15	-13 13 10.60	0.009	15	0.30	44.291	18	33.1	10.75	16	33.1	M1 J	11	3361	A -12 2659
3		8.0A	42 44.898	-0.0066	21	-15 14 29.68	-0.066	15	0.35	45.008	18	33.1	28.57	16	33.1	F5 J	12A	3533	A -14 2637
4		9.3A	42 49.632	-0.0023	21	-15 52 3.10	0.005	15	0.35	49.671	18	33.1	3.18	16	33.1	G5 J	12A	3534	A -15 2578
5		9.0A	42 50.183	-0.0008	18	-15 46 56.69	-0.004	13	0.32	50.198	18	33.1	56.63	16	33.1	F5 J	12A	3535	A -15 2577
6		9.1A	43 0.502	-0.0100	17	-19 28 40.21	0.059	13	0.31	0.671	18	33.1	41.21	16	33.1	G5 J	12B	3871	A -19 2518
7		9.1A	43 9.763	-0.0004	17	-18 20 32.33	-0.010	13	0.31	9.771	18	33.1	32.16	16	33.1	K0 J	12B	3874	A -18 2466
8		9.0A	43 21.522	-0.0000	15	-10 56 15.34	-0.013	17	0.32	21.522	18	33.1	15.12	16	33.1	K7 J	11	3363	A -10 2630
9		8.2A	43 21.556	-0.0019	15	-13 5 56.33	0.042	17	0.32	21.587	18	33.1	57.04	16	33.1	K0 J	11	3364	A -12 2663
10		9.2A	43 23.006	-0.0022	21	-17 38 30.92	-0.002	15	0.35	23.043	18	33.1	30.88	16	33.1	A3 J	12A	3537K	A -17 2641
11		8.7A	43 24.001	-0.0015	15	-12 28 48.35	0.003	15	0.30	24.027	18	33.1	48.40	16	33.1	F8 J	11	3365	A -12 2664
12		7.6A	43 34.076	-0.0027	12	-10 3 34.77	-0.008	12	0.26	34.122	16	33.1	34.63	16	33.1	K0	16	3413	A -9 2648
13		8.9A	43 37.744	-0.0008	17	-11 20 23.60	-0.002	18	0.34	37.758	18	33.1	23.56	16	33.1	K2 J	11	3366	A -11 2652
14		9.2A	43 42.506	-0.0010	21	-15 53 32.49	-0.017	15	0.35	42.524	18	33.1	32.21	16	33.1	K2 J	12A	3538	A -15 2582
15		6.5T	43 42.951	-0.0016	09	-10 49 24.19	0.022	07	0.34	45.017	09	09.9	25.06	09	10.6	K5	GC	12086	-10 2634
16		7.4T	43 45.356	0.0008	26	-10 38 48.62	-0.060	26	1.17	45.322	27	05.8	45.91	26	04.8	MB	GC	12087	-10 2635
17		9.0A	43 46.164	0.0000	21	-17 6 41.57	-0.012	15	0.35	46.163	18	33.1	41.36	16	33.1	F8 J	12A	3540	A -16 2579
18		8.2A	43 47.672	0.0080	21	-14 10 57.26	-0.179	15	0.35	47.536	18	33.1	54.24	16	33.1	F8 J	12A	3539K	A -13 2670
19		9.2A	43 48.507	-0.0006	21	-16 6 39.28	0.000	15	0.35	48.517	18	33.1	39.29	16	33.1	F0 J	12A	3541	A -15 2583
20		8.3A	43 51.218	-0.0008	15	-11 12 29.52	-0.029	17	0.32	51.232	18	33.1	29.03	16	33.1	F0 J	11	3370	A -10 2636
21		8.7A	43 58.632	-0.0007	20	-18 58 19.88	-0.020	15	0.34	58.643	18	33.1	19.55	16	33.1	F2 J	12B	3882	A -18 2470
22		4.4T	44 0.736	0.0007	04	-13 21 49.74	-0.016	04	0.22	0.700	10	01.2	48.86	09	95.3	G5	GC	12097	B0- -13 2673
23		8.9A	44 8.912	-0.0013	18	-12 23 23.33	0.015	20	0.36	8.934	18	33.1	23.58	16	33.1	K5 J	11	3372	A -12 2668
24		9.1A	44 9.376	0.0007	20	-19 39 46.36	0.021	15	0.34	9.365	18	33.1	46.70	16	33.1	K7 J	12B	3884	A -19 2523
25		8.8A	44 10.835	-0.0035	12	-10 2 32.11	-0.040	12	0.26	10.895	16	33.1	31.43	16	33.1	G5	16	3419	A -9 2652
26		9.3A	44 27.343	-0.0008	21	-17 45 46.08	-0.002	15	0.35	27.357	18	33.1	46.04	16	33.1	K0 J	12A	3542	A -17 2647
27		9.2A	44 28.438	-0.0026	18	-19 44 17.67	0.001	13	0.32	28.483	18	33.1	17.68	16	33.1	K5 J	12B	3889	A -19 2524
28		6.6T	44 28.707	0.0003	05	-18 34 25.20	-0.012	06	0.28	28.694	09	01.0	24.61	09	00.4	K0	GC	12114	-18 2474
29		8.5A	44 36.730	-0.0008	18	-13 56 26.98	-0.016	20	0.36	36.744	18	33.1	26.72	16	33.1	G0 J	11	3373	A -13 2676
30		9.1A	44 42.068	-0.0002	21	-16 54 48.04	0.014	15	0.35	42.071	18	33.1	48.27	16	33.1	K0 J	12A	3543	A -16 2586
31		8.8A	44 42.533	-0.0026	13	-10 35 49.12	0.045	15	0.30	42.577	18	33.1	49.88	16	33.1	F8 J	11	3375	A -10 2641
32		8.2A	44 48.844	-0.0040	18	-12 52 41.39	0.033	20	0.36	48.911	18	33.1	41.94	16	33.1	F8 J	11	3376	A -12 2671
33		8.9A	44 57.383	0.0003	17	-12 3 29.85	0.017	18	0.34	57.379	18	33.1	30.13	16	33.1	A5 J	11	3377	A -11 2459
34		8.6A	45 0.511	-0.0006	18	-13 17 33.33	0.023	20	0.36	0.522	18	33.1	33.71	16	33.1	K0 J	11	3378	A -12 2672
35		8.6A	45 0.665	-0.0003	20	-18 38 34.46	-0.009	15	0.34	0.670	18	33.1	34.31	16	33.1	K0 J	12B	3894	A -18 2478
36		6.6T	45 3.109	0.0004	15	-16 52 6.79	-0.042	11	0.62	3.090	17	06.5	4.79	15	02.9	+++	GC	12131K	B0- -16 2589
37		8.8A	45 5.333	-0.0010	15	-13 1 29.20	-0.020	17	0.32	5.349	18	33.1	28.86	16	33.1	F0 J	11	3379	A -12 2674
38		8.5A	45 6.133	-0.0003	21	-15 36 28.28	-0.010	15	0.35	6.138	18	33.1	28.12	16	33.1	A0 J	12A	3545	A -15 2591
39		7.9A	45 13.512	-0.0020	15	-13 20 31.56	-0.018	15	0.30	13.546	18	33.1	31.25	16	33.1	A0 J	11	3380	A -12 2675
40		8.6A	45 17.408	0.0006	18	-18 31 32.67	0.001	13	0.32	17.398	18	33.1	32.69	16	33.1	K0 J	12B	3896	A -18 2481
41		9.2A	45 23.078	-0.0010	21	-16 51 54.79	-0.067	15	0.35	23.094	18	33.1	53.65	16	33.1	K J	12A	3547	A -16 2590
42		8.6A	45 31.430	-0.0003	15	-11 9 50.23	-0.004	17	0.32	31.436	18	33.1	50.17	16	33.1	G5 J	11	3381	A -10 2644
43		8.4A	45 33.035	-0.0036	17	-19 35 53.13	-0.031	13	0.31	33.097	18	33.1	52.59	16	33.1	K5 J	12B	3899	A -19 2529
44		9.0A	45 41.198	-0.0028	15	-13 46 35.22	0.021	15	0.30	41.246	18	33.1	35.58	16	33.1	K5 J	11	3382	A -13 2684
45		8.2A	46 4.088	0.0007	18	-18 50 29.69	-0.005	13	0.32	4.077	18	33.1	29.61	16	33.1	K2 J	12B	3903	A -18 2487
46		8.2A	46 12.371	-0.0029	21	-17 51 25.27	-0.016	15	0.35	12.420	18	33.1	24.99	16	33.1	G5 J	12A	3551	A -17 2655
47		8.7A	46 16.583	-0.0026	15	-13 28 53.64	0.000	17	0.32	16.627	18	33.1	53.64	16	33.1	K5 J	11	3383	A -13 2686
48		8.9A	46 18.646	0.0043	17	-19 13 19.50	-0.003	13	0.31	18.574	18	33.1	19.46	16	33.1	F8 J	12B	3907	A -18 2488
49		9.0A	46 38.706	-0.0025	17	-12 38 38.05	-0.030	18	0.34	38.748	18	33.1	37.54	16	33.1	A2 J	11	3384	A -12 2685
50		8.6A	46 40.769	0.0006	17	-10 40 49.70	-0.007	18	0.34	40.759	18	33.1	49.58	16	33.1	F5 J	11	3385	A -10 2650
51		8.2A	8 46 40.804	-0.0045	17	-12 32 56.52	-0.021	18	0.34	40.880	18	33.1	56.16	16	33.1	F8 J	11	3386	A -12 2686
52		9.0A	46 42.433	0.0003	13	-12 27 46.10	0.009	13	0.28	42.429	18	33.1	46.25	16	33.1	K2 J	11	3387	A -12 2687
53		9.0A	46 42.892	-0.0010	15	-13 13 20.89	-0.010	15	0.30	42.908	18	33.1	20.72	16	33.1	F0 J	11	3389K	A -12 2689
54		8.9A	46 43.243	-0.0016	15	-12 49 48.91	0.023	15	0.30	43.215	18	33.1	49.29	16	33.1	K5 J	11	3388	A -12 2688
55		9.2A	46 52.651	-0.0016	17	-16 52 57.09	-0.043	12	0.30	52.679	18	33.1	56.36	16	33.1	M0 J	12A	3552	A -16 2596
56		8.7A	46 53.585	-0.0032	21	-17 48 20.64	-0.003	15	0.35	53.639	18	33.1	20.58	16	33.1	K0 J	12A	3554	A -17 2660
57		9.1A	46 54.330	-0.0021	17	-13 25 8.99	0.004	18	0.34	54.365	18	33.1	9.05	16	33.1	F0 J	11	3390	A -13 2690
58		7.9A	46 55.195	0.0017	15	-13 22 41.24	-0.066	13	0.32	55.166	18	33.1	40.13	16	33.1	F8 J	12A	3553	A -15 2597
59		7.4T	46 58.120	-0.0002	16	-10 41 54.89	0.030	12	0.77	58.132	24	00.1	56.52	21	95.7	K0	GC	12174	-10 2651
60		8.8A	47 2.638	-0.0019	21	-15 35 20.49	-0.012	15	0.35	2.671	18	33.1	20.30	16	33.1	A2 J	12A	3555	A -15 2599
61		7.7A	47 2.988	-0.0022	17	-10 49 57.55	0.016	18	0.34	3.025	18	33.1	57.82	16	33.1	K2 J	11	3392K	A -10 2654
62		9.0A	47 14.769	-0.0023	17	-18 39 59.40	0.001	13	0.31	14.809	18	33.1	59.42	16	33.1	K5 J	12B	3914	A -18 2492
63		8.8A	47 16.380	-0.0005	21	-15 16 50.63	-0.002	15	0.35	16.388	18	33.1	50.61	16	33.1	F5 J	12A	3558	A -14 2665
64		8.4A	47 16.367	0.0036	21	-15 50 41.97	-0.006	15	0.35	16.326	18	33.1	41.87	16	33.1	K5 J	12A	3559	A -15 2600
65		8.2A	47 16.501	-0.0025	18	-12 16 1.75	0.004	20	0.36	18.543	18	33.1	1.82	16	33.1	A0 J	11	3393	A -11 2468
66		8.4A	47 18.519	-0.0012	15	-13 50 41.88	0.006	17	0.32	18.540	18	33.1	41.99	16	33.1	A0 J	11	3394	A -13 2692
67		9.1A	47 25.839	0.0005	17	-18 1 49.65	-0.005	15	0.32	25.830	18	33.1	49.56	16	33.1	K0 J	12A	3560	A -17 2661
68		8.9A	47 31.152	-0.0004	15	-11 54 21.73	-0.032	17	0.32	31.158	18	33.1	21.18	16	33.1	K J	11	3395	A -11 2469
69		8.7A	47 31.320	-0.0050	18	-19 2 50.52	-0.037	15	0.33	31.404	18	33.1	49.90	16	33.1	G0 J	12B	3917	A -18 2495
70		8.8A	47 37.114	0.0002	18	-19 1 41.98	0.016	13	0.32	37.111	18	33.1	42.26	16	33.1	F8 J	12B	3919	A -18 2497
71		8.4A	47 41.230	-0.0000	21	-17 3 7.96	-0.028	15	0.35	41.231	18	33.1	7.48	16	33.1	K2 J	12A	3562	A -16 2600
72		9.2A	47 43.316	-0.0012	11	-10 11 27.32	-0.034	11	0.24	43.337	16	33.1	26.74	16	33.1	F0	16	3440	A -9 2671
73		9.0A	47 47.507	-0.0007	21	-17 16 56.85	0.021	15	0.35	47.519	18	33.1	57.20	16	33.1	K5 J	12A	3563	A -16 2601
74		8.7A	47 51.086	-0.0012	13	-10 57 1.53	-0.009	17	0.31	51.107	18	33.1	1.37	16	33.1	K0 J	11	3397	A -10 2658
75		9.0A	47 55.162	-0.0018	21	-17 58 49.64	-0.021	15	0.35	55.193	18	33.1	49.28	16	33.1	K7 J	12A	3564	A -17 2664
76		8.6A	48 0.773	-0.0013	21	-17 41 25.82	-0.001	15	0.35	0.795	18	33.1	25.80	16	33.1	K7 J	12A	3565	A -17 2665
77		9.0A	48 4.081	0.0012	21	-15 52 25.89	-0.032	15	0.35	4.061	18	33.1	25.35	16	33.1	K0 J	12A	3566	A -15 2604
78		8.4A	48 7.361	-0.0011	21	-14 25 33.41	-0.008	15	0.35	7.380	18	33.1	33.28	16	33.1	A2 J	12A	3567	A -14 2669
79		8.5A	48 8.217	-0.0009	17	-13 7 12.60	0.021	18	0.34	8.232	18	33.1	12.95	16	33.1	A2 J	11	3398	A -12 2704
80		9.2A	48 9.606	-0.0004	21	-15 36 32.60	-0.007	15	0.35	9.614	18	33.1	32.49	16	33.1	F5 J	12A	3568	A -15 2605
81		9.2A	48 12.367	-0.0028	20	-19 36 8.15	0.014	15	0.34	12.414	18	33.1	8.37	16	33.1	A3 J	12B	3923	A -19 2544
82		8.6A	48 14.139	-0.0013	21	-15 36 46.36	0.005	15	0.35	14.161	18	33.1	46.45	16	33.1	K0 J	12A	3569	A -15 2606
83		8.9A	48 16.366	-0.0025	18	-14 8 17.42	0.051	20	0.36	16.409	18	33.1	18.29	16	33.1	K0 J	11	3400	A -13 2694
84		9.0A	48 18.532	0.0014	15	-12 8 49.56	-0.018	15	0.30	18.508	18	33.1	49.25	16	33.1	K2 J	11	3401	A -11 2473
85		8.3A	48 28.500	0.0003	18	-15 51 45.98	-0.038	13	0.32	28.495	18	33.1	45.35	16	33.1	A0 J	12A	3570	A -15 2607
86		9.2A	48 28.971	-0.0019	17	-18 11 34.37	-0.011	13	0.31	29.004	18	33.1	34.18	16	33.1	F8 J	12B	3924	A -17 2667
87		8.1A	48 33.333	-0.0030	17	-13 29 39.63	-0.016	18	0.34	33.384	18	33.1	39.36	16	33.1	F0 J	11	3402	A -13 2695
88		8.9A	48 41.998	-0.0035	21	-14 53 44.70	-0.044	15	0.35	42.056	18	33.1	43.95	16	33.1	G0 J	12A	3572	A -14 2675
89		8.1A	48 46.603	-0.0018	18	-13 32 36.93	-0.030	20	0.36	46.633	18	33.1	36.43	16	33.1	A0 J	11	3403	A -13 2696
90		8.9A	49 9.606	-0.0010	15	-11 15 38.25	-0.043	17	0.32	9.623	18	33.1	37.52	16	33.1	F5 J	11	3404	A -10 2665
91		8.3A	49 9.978	0.0007	18	-15 12 30.76	-0.012	13	0.32	9.967	18	33.1	30.56	16	33.1	M0 J	12A	3574	A -14 2677
92		8.7A	49 17.763	-0.0041	15	-11 43 50.73	0.021	17	0.32	17.832	18	33.1	51.08	16	33.1	F0 J	11	3405	A -11 2480
93		8.8A	49 21.586	0.0003	21	-15 43 33.72	-0.017	15	0.35	21.581	18	33.1	33.42	16	33.1	A2 J	12A	3575	A -15 2609
94		9.0A	49 28.055	0.0000	21	-16 46 41.77	-0.005	15	0.35	28.055	18	33.1	41.68	16	33.1	K5 J	12A	3576	A -16 2609
95		9.4A	49 31.740	-0.0030	21	-17 25 14.61	0.016	15	0.35	31.791	18	33.1	14.88	16	33.1	A2 J	12A	3578	A -17 2675
96		8.8A	49 34.547	-0.0006	21	-14 27 49.00	0.007	15	0.35	34.557	18	33.1	49.13	16	33.1	K5 J	12A	3577	A -14 2678
97		8.3A	49 42.126	-0.0062	21	-16 42 59.65	0.026	15	0.35	42.230	18	33.1	0.09	16	33.1	G5 J	12A	3579	A -16 2611
98		8.8A	49 50.023	-0.0020	21	-14 52 28.90	0.007	15	0.35	50.057	18	33.1	29.01	16	33.1	K0 J	12A	3580	A -14 2681
99		8.8A	49 52.642	-0.0009	15	-11 3 40.90	-0.009	15	0.30	52.657	18	33.1	40.74	16	33.1	K2 J	11	3408	A -10 2672
00		8.8A	49 54.555	-0.0002	15	-13 9 24.42	0.011	17	0.32	54.558	18	33.1	24.60	16	33.1	G5 J	11	3409	A -12 2713

154700

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ_α s	σ_{μ_α} ″.001	δ_{1950} ° ′ ″	μ'_δ ″	$\sigma_{\mu'_\delta}$ ″.001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ_{α_2} ″.01	ep.	δ_2 ″	σ'_{δ_2} ″.01	ep.	SP.		SOURCE CAT.	STAR NUMBER	DM NUMBER
																				-10° 8H
1		6.9T	8 49 57.918	0.0000	17	-12 37 3.90	-0.091	15	0.87	57.916	24	98.7	-59.01	22	96.3	GO		GC	12254	-12 2714
2		8.3A	49 59.174	-0.0043	17	-18 25 36.16	-0.019	13	0.31	59.247	18	33.1	35.83	16	33.1	F5	J	12B	3937	A -18 2506
3		8.7A	50 7.472	-0.0040	17	-19 19 53.88	0.013	12	0.30	7.541	18	33.1	54.10	16	33.1	K5	J	12B	3939	A -18 2507
4		6.2T	50 8.335	0.0013	13	-13 2 38.41	-0.024	14	0.73	8.266	22	98.5	37.20	22	99.5	KO		GC	12258K	-12 2716
5		8.8A	50 11.939	0.0005	17	-18 9 28.93	-0.046	12	0.30	11.930	18	33.1	28.15	16	33.1	K2	J	12A	3582	A -17 2677
6		8.3A	50 15.445	-0.0023	21	-15 33 45.39	-0.028	15	0.35	15.484	18	33.1	44.93	16	33.1	A0	J	12A	3583	A -15 2616
7		8.5A	50 16.629	0.0022	15	-12 51 47.25	-0.021	17	0.32	16.592	18	33.1	46.89	16	33.1	K5	J	11	3412	A -12 2720
8		9.1A	50 24.265	-0.0003	21	-15 19 22.41	-0.002	15	0.35	24.269	18	33.1	22.39	16	33.1	A0	J	12A	3585	A -14 2689
9		8.4A	50 24.269	-0.0017	21	-14 41 29.91	-0.006	15	0.35	24.298	18	33.1	29.80	16	33.1	A3	J	12A	3584	A -14 2688
10		7.8A	50 28.642	-0.0000	15	-11 31 42.08	-0.019	17	0.32	28.642	18	33.1	41.75	16	33.1	G5	J	11	3413	A -11 2483
11		8.7A	50 30.797	0.0016	17	-11 20 37.00	0.003	18	0.34	30.770	18	33.1	37.04	16	33.1	K5	J	11	3414	A -10 2675
12		9.2A	50 35.970	0.0001	21	-18 10 53.45	-0.034	15	0.35	35.968	18	33.1	52.87	16	33.1	F2	J	12A	3586	A -17 2679
13		8.9A	50 40.483	0.0022	13	-13 0 52.36	-0.037	15	0.30	40.446	18	33.1	51.73	16	33.1	KO	J	11	3415	A -12 2721
14		6.6T	50 46.599	-0.0036	13	-16 45 43.62	-0.065	11	0.62	46.765	22	03.4	40.34	19	99.9	KO		GC	12271	-16 2618
15		8.9A	50 49.972	-0.0000	15	-11 2 0.49	0.025	15	0.30	49.972	18	33.1	0.91	16	33.1	K2	J	11	3416	A -10 2677
16		9.3A	50 53.529	-0.0018	21	-17 40 18.37	0.013	15	0.35	53.560	18	33.1	18.58	16	33.1	A0	J	12A	3589	A -17 2681
17		9.1A	50 53.959	0.0022	21	-16 33 44.83	0.010	15	0.35	53.922	18	33.1	45.00	16	33.1	F8	J	12A	3588	A -16 2621
18		8.5A	51 2.948	0.0001	17	-15 11 43.36	0.003	15	0.32	2.946	18	33.1	43.41	16	33.1	K0	J	12A	3590	A -14 2691
19		7.9A	51 5.394	-0.0001	15	-11 12 7.13	-0.014	15	0.30	5.397	18	33.1	7.36	16	33.1	K5	J	11	3417	A -10 2678
20		9.0A	51 13.205	-0.0014	18	-17 2 17.86	-0.012	13	0.32	13.228	18	33.1	17.65	16	33.1	K2	J	12A	3591	A -16 2624
21		8.0A	51 17.741	0.0013	21	-17 10 8.95	-0.001	15	0.35	17.719	18	33.1	8.93	16	33.1	F5	J	12A	3592	A -16 2625
22		8.5A	51 20.746	0.0010	17	-15 11 21.75	0.010	12	0.30	20.729	18	33.1	21.93	16	33.1	F8	J	12A	3593	A -14 2695
23		8.7A	51 23.248	-0.0065	15	-13 38 48.38	0.038	17	0.32	23.358	18	33.1	49.03	16	33.1	KO	J	11	3418	A -13 2704
24		8.6A	51 26.182	-0.0006	18	-17 1 41.46	-0.006	13	0.32	26.192	18	33.1	41.35	16	33.1	F0	J	12A	3594	A -16 2626
25		8.6Q	51 27.646	-0.0001	18	-13 5 50.15	-0.131	16	0.74	27.648	18	08.5	44.55	19	07.2	GO		GC	12300	-12 2724
26		8.9A	51 36.851	-0.0026	21	-15 2 24.70	0.006	15	0.35	36.895	18	33.1	24.80	16	33.1	K2	J	12A	3595	A -14 2696
27		8.2A	51 38.694	-0.0025	21	-15 23 42.56	-0.023	15	0.35	38.737	18	33.1	42.17	16	33.1	K2	J	12A	3596	A -15 2626
28		9.1A	51 39.177	-0.0033	18	-15 55 2.46	-0.002	13	0.32	39.234	18	33.1	2.43	16	33.1	A2	J	12A	3597	A -15 2627
29		8.3A	51 43.863	-0.0016	15	-10 43 48.78	0.024	17	0.32	43.891	18	33.1	49.18	16	33.1	G0	J	11	3420	A -10 2685
30		8.3A	52 2.335	-0.0032	17	-18 40 21.39	-0.018	13	0.31	2.389	18	33.1	21.09	16	33.1	K2	J	12B	3953	A -18 2515
31		9.3A	52 4.369	-0.0020	18	-17 29 33.93	-0.030	13	0.32	4.403	18	33.1	33.42	16	33.1	F5	J	12A	3598	A -17 2687
32		6.8T	52 14.375	0.0019	13	-11 11 10.64	0.005	12	0.70	14.279	22	98.4	10.91	19	95.3	K5		GC	12316	-10 2688
33		8.9A	52 20.275	-0.0004	21	-15 55 9.47	-0.015	15	0.35	20.282	18	33.1	9.22	16	33.1	K7	J	12A	3599	A -15 2629
34		8.8A	52 34.318	-0.0012	21	-14 55 19.00	0.005	15	0.35	34.338	18	33.1	19.08	16	33.1	B9	J	12A	3601	A -14 2700
35		8.1A	52 34.439	-0.0001	15	-10 47 39.27	-0.019	17	0.32	34.440	18	33.1	38.94	16	33.1	K0	J	11	3422	A -10 2690
36		9.2A	52 35.894	-0.0036	18	-19 57 56.18	-0.007	13	0.32	35.956	18	33.1	56.05	16	33.1	F5	J	12B	3957	A -19 2563
37		7.5A	52 37.958	-0.0077	21	-15 35 19.84	0.053	15	0.35	38.088	18	33.1	20.74	16	33.1	K0	J	12A	3602	A -15 2631
38		8.7A	52 40.548	-0.0010	20	-19 5 49.03	-0.009	15	0.34	40.565	18	33.1	48.88	16	33.1	K5	J	12B	3958	A -18 2516
39		9.3A	52 40.851	-0.0037	18	-19 48 53.35	-0.010	13	0.32	40.914	18	33.1	53.17	16	33.1	F0	J	12B	3959	A -19 2564
40		7.9A	52 42.048	-0.0126	18	-18 37 15.27	0.007	13	0.32	42.262	18	33.1	15.40	16	33.1	G5	J	12B	3960	A -18 2517
41		9.0A	52 50.522	-0.0005	15	-11 11 40.67	0.028	17	0.32	50.530	18	33.1	41.14	16	33.1	K0	J	11	3423	A -10 2691
42		8.6A	52 52.293	-0.0000	17	-11 25 13.36	-0.000	18	0.34	52.293	18	33.1	13.36	16	33.1	K5	J	11	3424	A -11 2493
43		6.7T	52 53.158	-0.0001	14	-11 10 46.67	-0.027	12	0.65	53.164	18	03.2	45.38	17	02.3	A0		GC	12330	-10 2692
44		8.9A	52 54.350	-0.0020	17	-11 54 19.60	-0.014	18	0.34	54.384	18	33.1	19.36	16	33.1	K0	J	11	3426	A -11 2494
45		5.9H	52 54.496	0.0009	03	-18 2 58.72	-0.002	03	0.10	54.472	04	23.9	58.65	05	23.7	K0		F4	1231	-17 2691
46		7.1T	52 56.946	-0.0019	20	-18 3 56.25	-0.019	18	0.89	57.031	26	06.0	55.35	22	03.0	K2		GC	12332	-17 2692
47		9.0A	52 59.179	0.0010	21	-14 15 10.31	-0.001	15	0.35	59.163	18	33.1	10.30	16	33.1	F8	J	12A	3604	A -13 2711
48		9.0A	52 59.651	-0.0005	17	-13 7 25.60	0.011	18	0.34	59.659	18	33.1	25.78	16	33.1	G5	J	11	3427	A -12 2729
49		8.8A	53 1.217	0.0005	15	-12 0 35.51	-0.017	17	0.32	1.209	18	33.1	35.22	16	33.1	A2	J	11	3428	A -11 2495
50		8.9A	53 1.444	-0.0016	18	-12 39 4.16	-0.021	20	0.36	1.471	18	33.1	3.80	16	33.1	A2	J	11	3429	A -12 2730
51		8.8A	8 53 1.719	0.0010	21	-15 57 28.04	-0.011	15	0.35	1.702	18	33.1	27.86	16	33.1	F5	J	12A	3606	A -15 2635
52		7.8A	53 6.370	-0.0003	21	-14 12 49.91	0.021	15	0.35	6.376	18	33.1	50.27	16	33.1	K5	J	12A	3607	A -13 2713
53		8.5A	53 10.326	-0.0003	21	-14 26 3.75	-0.023	15	0.35	10.331	18	33.1	3.37	16	33.1	F0	J	12A	3608	A -14 2704
54		9.0A	53 12.150	-0.0019	21	-16 52 8.75	-0.015	15	0.35	12.181	18	33.1	8.49	16	33.1	A0	J	12A	3609	A -16 2631
55		9.0A	53 13.177	-0.0016	17	-18 48 23.42	-0.026	13	0.31	13.204	18	33.1	22.99	16	33.1	K5	J	12B	3963	A -18 2520
56		8.8A	53 20.465	-0.0061	18	-15 19 33.41	-0.003	13	0.32	20.567	18	33.1	33.36	16	33.1	F8	J	12A	3610	A -14 2706
57		8.3A	53 21.347	-0.0046	15	-13 50 53.44	0.003	17	0.32	21.426	18	33.1	53.50	16	33.1	A2	J	11	3432	A -13 2714
58		8.5A	53 30.191	-0.0021	15	-11 41 37.01	-0.014	17	0.32	30.226	18	33.1	36.77	16	33.1	G0	J	11	3433	A -11 2498
59		9.0A	53 32.508	-0.0008	15	-13 26 22.02	-0.021	17	0.32	32.521	18	33.1	21.66	16	33.1	G0	J	11	3434	A -13 2715
60		6.7T	53 33.802	-0.0020	13	-15 14 46.56	-0.023	12	0.70	33.906	22	98.8	45.33	19	95.6	KO		GC	12348	-14 2707
61		8.7A	53 36.225	-0.0001	15	-10 41 52.86	-0.001	17	0.32	36.228	18	33.1	52.84	16	33.1	K5	J	11	3435	A -10 2693
62		8.5A	53 40.350	-0.0022	18	-10 57 40.03	-0.025	20	0.36	40.387	18	33.1	39.60	16	33.1	B9	J	11	3436	A -10 2694
63		8.9A	53 43.624	-0.0035	17	-19 36 50.72	-0.038	13	0.31	43.683	18	33.1	50.07	16	33.1	K5	J	12B	3969	A -19 2569
64		9.0A	53 43.896	-0.0009	21	-16 35 7.12	-0.040	15	0.35	43.911	18	33.1	6.44	16	33.1	K5	J	12A	3612	A -16 2634
65		9.0A	53 49.036	-0.0026	21	-14 17 8.33	-0.010	15	0.35	49.081	18	33.1	8.17	16	33.1	G5	J	12A	3613	A -13 2717
66		8.5A	53 50.278	-0.0001	15	-13 42 43.81	0.001	17	0.32	50.280	18	33.1	43.83	16	33.1	B0	J	11	3438	A -13 2718
67		8.6A	53 57.736	0.0012	21	-15 34 2.37	0.003	15	0.35	57.716	18	33.1	2.42	16	33.1	G5	J	12A	3614	A -15 2641
68		9.0A	53 58.996	0.0009	21	-15 58 3.10	0.008	15	0.35	58.981	18	33.1	3.24	16	33.1	K2	J	12A	3615	A -15 2642
69		8.8A	54 7.069	-0.0000	15	-13 44 20.37	-0.011	17	0.32	7.070	18	33.1	20.19	16	33.1	G5	J	11	3440	A -13 2719
70		8.3A	54 7.917	-0.0008	17	-10 54 18.44	0.018	18	0.34	7.931	18	33.1	18.74	16	33.1	K5	J	11	3439	A -10 2697
71		9.4A	54 9.592	-0.0038	18	-15 56 23.34	-0.015	13	0.32	9.656	18	33.1	23.09	16	33.1	A	J	12A	3616	A -15 2644
72		9.1A	54 11.708	-0.0105	17	-19 18 32.63	0.003	12	0.30	11.885	18	33.1	32.68	16	33.1	G0	J	12B	3972	A -18 2525
73		6.1T	54 14.786	-0.0011	13	-16 30 57.16	-0.051	12	0.66	14.839	18	99.7	54.45	15	97.2	KO		GC	12365	-16 2639
74		9.2A	54 16.473	-0.0015	18	-13 31 20.02	0.015	20	0.36	16.498	18	33.1	20.28	16	33.1	G0	J	11	3441	A -13 2720
75		8.7A	54 20.641	-0.0016	12	-10 8 31.03	-0.012	12	0.26	20.668	16	33.1	30.83	16	33.1	K0		16	3482	A -9 2695
76		8.9A	54 22.580	0.0012	17	-10 54 52.62	-0.027	18	0.34	22.561	18	33.1	52.17	16	33.1	G5	J	11	3442	A -10 2699
77		8.2A	54 28.161	-0.0004	18	-19 16 59.45	0.013	13	0.32	28.168	18	33.1	59.67	16	33.1	K5	J	12B	3974	A -18 2527
78		9.1A	54 28.634	-0.0019	21	-16 50 0.74	0.014	15	0.35	28.665	18	33.1	0.97	16	33.1	A0	J	12A	3618	A -16 2640
79		8.6A	54 30.420	-0.0003	15	-13 30 15.75	-0.014	17	0.32	30.426	18	33.1	15.52	16	33.1	K2	J	11	3443	A -13 2721
80		9.1A	54 31.112	-0.0031	18	-19 57 55.68	-0.011	13	0.32	31.165	18	33.1	55.48	16	33.1	F8	J	12B	3975	A -19 2571
81		6.6T	54 31.242	-0.0007	12	-17 14 26.55	-0.010	10	0.56	31.271	19	06.0	26.03	18	01.0	F2		GC	12374K	B*-16 2644
82		8.1A	54 32.323	-0.0000	21	-17 50 29.24	-0.055	15	0.35	32.324	18	33.1	28.30	16	33.1	K0	J	12A	3620	A -17 2696
83		8.8A	54 34.976	0.0005	17	-12 13 30.43	-0.033	18	0.34	34.968	18	33.1	29.88	16	33.1	A0	J	11	3444	A -11 2503
84		8.6A	54 36.832	-0.0010	15	-12 37 31.58	-0.004	17	0.32	36.849	18	33.1	31.51	16	33.1	K2	J	11	3445	A -12 2738
85		8.6A	54 52.708	-0.0010	21	-14 22 18.93	-0.034	15	0.35	52.725	18	33.1	18.36	16	33.1	K0	J	12A	3621	A -14 2709
86		8.5A	54 58.226	-0.0006	17	-12 41 9.51	-0.053	18	0.34	58.235	18	33.1	8.61	16	33.1	F2	J	11	3447	A -12 2742
87		8.5A	55 8.885	-0.0043	21	-17 51 0.58	0.008	15	0.35	8.958	18	33.1	0.71	16	33.1	A2	J	12A	3622	A -17 2700
88		9.3A	55 13.564	-0.0038	18	-15 24 27.94	-0.015	13	0.32	13.628	18	33.1	27.69	16	33.1	A0	J	12A	3623	A -15 2649
89		9.0A	55 14.178	-0.0031	18	-19 28 21.27	0.004	13	0.32	14.231	18	33.1	21.34	16	33.1	F5	J	12B	3977	A -19 2576
90		8.8A	55 26.301	-0.0011	15	-12 53 58.05	-0.003	17	0.32	26.320	18	33.1	58.00	16	33.1	A0	J	11	3448K	A -12 2749
91		9.2A	55 27.268	-0.0007	18	-19 26 55.85	-0.006	13	0.32	27.279	18	33.1	55.76	16	33.1	G	J	12B	3980	A -19 2578
92		8.9A	55 30.395	0.0031	17	-12 11 20.34	-0.002	18	0.34	30.343	18	33.1	20.31	16	33.1	K	J	11	3449	A -11 2509
93		9.0A	55 33.331	-0.0024	21	-17 7 7.31	-0.045	15	0.35	33.371	18	33.1	6.54	16	33.1	F8	J	12A	3624	A -16 2648
94		7.1T	55 33.600	-0.0020	17	-18 41 41.37	-0.040	15	0.78	33.693	21	04.3	39.44	19	01.4	A0		GC	12399K	-18 2530
95		9.0A	55 41.371	-0.0008	21	-14 46 54.18	-0.004	15	0.35	41.385	18	33.1	54.11	16	33.1	A3	J	12A	3625	A -14 2712
96		8.8A	55 41.819	0.0006	17	-10 46 39.71	-0.004	18	0.34	41.809	18	33.1	39.64	16	33.1	K0	J	11	3450	A -10 2707
97		8.9A	55 44.131	-0.0007	21	-16 37 54.90	-0.009	15	0.35	44.142	18	33.1	54.74	16	33.1	M0	J	12A	3626	A -16 2649
98		9.1A	55 51.184	-0.0031	21	-15 10 35.84	-0.035	15	0.35	51.236	18	33.1	35.25	16	33.1	F5	J	12A	3627	A -14 2714
99		8.4A	55 56.243	-0.0022	17	-16 18 56.48	-0.015	12	0.30	56.260	18	33.1	56.23	16	33.1	A3	J	12A	3628	A -15 2654
00		8.8A	56 0.642	-0.0004	15	-14 10 34.49	-0.247	17	0.32	0.650	18	33.1	30.32	16	33.1	G5	J	11	3451	A -13 2728

154800

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	EPOCH 1950 μ s	σ_μ ″.001	EPOCH 1950 δ_{1950} ° ′ ″	EPOCH 1950 μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	CAT.	STAR NUMBER	DM NUMBER
1		8.7A	8 56 13.530	0.0048	15	-11 6 10.37	-0.024	17	0.32	13.449	18	33.1	9.96	16	33.1	K0 J	11	3452	A -10 2709
2		8.2A	56 17.427	-0.0004	21	-17 9 32.85	-0.008	15	0.35	17.434	18	33.1	32.71	16	33.1	K0 J	12A	3629	A -16 2652
3		9.0A	56 18.781	-0.0022	17	-12 58 15.53	0.000	18	0.34	18.818	18	33.1	15.53	16	33.1	G5 J	11	3453	A -12 2751
4		5.9T	56 23.050	0.0162	05	-15 56 27.27	0.214	04	0.26	22.216	07	98.7	39.13	09	94.7	GO	GC	12415	B#-15 2656
5		8.8A	56 26.689	-0.0031	21	-14 46 40.98	-0.000	15	0.35	26.742	18	33.1	40.98	16	33.1	F5 J	12A	3631K	A -14 2715
6		7.2T	56 26.986	0.0016	18	-16 33 14.94	-0.030	17	0.87	26.910	24	03.6	13.46	22	01.3	K0	GC	12416	-16 2653
7		8.7A	56 28.028	0.0001	12	-10 10 29.26	-0.034	12	0.26	28.027	16	33.2	28.69	16	33.2	K5	16	3497	A -9 2707
8		6.9T	56 35.303	-0.0017	16	-15 47 23.16	0.005	14	0.74	35.379	21	04.0	23.38	19	01.1	K2	GC	12418	-15 2658
9		8.6A	56 45.230	0.0008	21	-17 33 59.99	-0.004	15	0.35	45.217	18	33.1	59.92	16	33.1	K5 J	12A	3634	A -17 2706
10		7.8A	56 54.430	-0.0003	21	-16 18 27.43	-0.019	15	0.35	54.436	18	33.1	27.11	16	33.1	K0 J	12A	3635	A -15 2659
11		9.0A	57 11.497	-0.0039	15	-13 35 52.68	-0.011	17	0.32	11.563	18	33.1	52.50	16	33.1	K0 J	11	3454	A -13 2733
12		9.4A	57 17.951	0.0006	21	-17 31 8.15	-0.010	15	0.35	17.941	18	33.1	7.96	16	33.1	K2 J	12A	3637	A -17 2707
13		8.6A	57 18.413	-0.0028	21	-16 59 25.76	-0.001	15	0.35	18.461	18	33.1	25.74	16	33.1	A0 J	12A	3638	A -16 2658
14		8.4A	57 20.370	-0.0009	21	-14 48 19.12	-0.006	15	0.35	20.395	18	33.1	19.01	16	33.1	K5 J	12A	3636	A -14 2720
15		6.3T	57 22.762	-0.0039	12	-19 0 39.56	-0.102	12	0.52	22.918	17	10.4	38.15	17	06.7	F8	GC	12433	-18 2536
16		9.0A	57 23.060	-0.0005	17	-13 1 36.26	0.003	18	0.34	23.068	18	33.1	36.31	16	33.1	G5 J	11	3455	A -12 2757
17		8.9A	57 23.501	-0.0007	21	-16 30 57.81	-0.018	15	0.35	23.512	18	33.1	57.50	16	33.1	K2 J	12A	3639	A -16 2659
18		8.8A	57 39.822	-0.0017	21	-14 19 57.92	-0.010	15	0.35	39.851	18	33.1	57.76	16	33.1	F0 J	12A	3641	A -13 2735
19		8.7A	57 39.954	0.0002	17	-14 11 8.25	-0.011	15	0.32	39.951	18	33.1	8.07	16	33.1	K7 J	12A	3640	A -13 2736
20		8.2A	57 41.958	-0.0049	17	-12 15 54.01	0.000	18	0.34	42.040	18	33.1	54.01	16	33.1	F5 J	11	3458	A -11 2520
21		8.5A	57 42.417	-0.0028	18	-14 6 41.90	-0.030	20	0.36	42.464	18	33.1	41.40	16	33.1	A3 J	11	3459	A -13 2737
22		6.9A	57 56.225	-0.0008	15	-13 12 31.91	0.020	17	0.32	56.236	18	33.1	32.24	16	33.1	G5 J	11	3461	A -12 2759
23		8.1A	57 56.553	-0.0011	15	-12 2 39.78	0.032	17	0.32	56.572	18	33.1	40.33	16	33.1	K5 J	11	3460	A -11 2521
24		8.2A	57 57.871	-0.0011	21	-14 37 13.47	-0.018	15	0.35	57.889	18	33.1	13.16	16	33.1	A5 J	12A	3642	A -14 2722
25		8.5A	58 0.277	-0.0002	21	-15 35 17.74	-0.017	15	0.35	0.281	18	33.1	17.44	16	33.1	M1 J	12A	3643	A -15 2664
26		7.2A	58 9.366	-0.0049	17	-11 56 39.28	-0.071	18	0.34	9.449	18	33.1	38.09	16	33.1	F0 J	11	3462	A -11 2523
27		8.1A	58 10.678	-0.0019	17	-19 5 30.34	0.008	13	0.31	10.710	18	33.1	30.48	16	33.1	K0 J	12B	3995	A -18 2542
28		9.4A	58 11.140	-0.0011	21	-18 2 0.90	-0.004	15	0.35	11.160	18	33.1	0.83	16	33.1	K2 J	12A	3644	A -17 2711
29		8.0A	58 13.311	-0.0039	21	-15 57 26.51	0.006	15	0.35	13.377	18	33.1	26.62	16	33.1	A5 J	12A	3645	A -15 2665
30		9.0A	58 15.415	0.0009	15	-10 56 48.72	-0.076	17	0.32	15.400	18	33.1	47.58	16	33.1	K0 J	11	3463K	A -10 2716
31		8.4A	58 17.416	-0.0018	15	-12 58 15.43	0.017	17	0.32	17.446	18	33.1	15.71	16	33.1	A2 J	11	3464	A -12 2760
32		8.5A	58 25.217	-0.0034	15	-12 57 10.67	-0.025	17	0.32	25.274	18	33.1	10.24	16	33.4	F5 J	11	3465	A -12 2762
33		9.0A	58 28.906	-0.0027	21	-18 8 59.17	0.009	15	0.35	28.952	18	33.1	59.32	16	33.1	A0 J	12A	3646	A -17 2712
34		8.8A	58 34.400	-0.0028	21	-16 52 28.89	-0.094	15	0.35	34.448	18	33.1	27.30	16	33.1	K0 J	12A	3647	A -16 2663
35		9.1A	58 35.562	-0.0016	11	-10 17 56.38	-0.009	11	0.24	35.588	16	33.2	56.23	16	33.2	M0	16	3512	A -9 2718
36		8.8A	58 35.668	-0.0002	18	-16 9 12.38	-0.032	13	0.32	35.672	18	33.1	11.84	16	33.1	K0 J	12A	3648	A -15 2667
37		9.0A	58 43.393	-0.0011	21	-15 57 18.73	-0.004	15	0.35	43.412	18	33.1	18.67	16	33.1	F0 J	12A	3649	A -15 2668
38		8.9A	58 46.887	0.0008	15	-12 16 45.39	-0.006	17	0.32	46.873	18	33.1	45.28	16	33.1	G5 J	11	3467	A -11 2526
39		8.5A	58 48.183	-0.0012	18	-15 11 40.14	-0.034	13	0.32	48.203	18	33.1	39.57	16	33.1	K0 J	12A	3650	A -14 2726
40		7.5T	58 52.396	-0.0014	15	-19 8 42.71	-0.027	14	0.77	52.467	24	00.9	41.35	22	98.5	A2	GC	12472	-18 2546
41		9.2A	59 0.821	-0.0013	21	-14 41 1.71	0.012	15	0.35	0.844	18	33.1	1.91	16	33.1	K5 J	12A	3651	A -14 2727
42		8.6A	59 1.854	-0.0003	17	-11 2 28.75	-0.005	18	0.34	1.860	18	33.1	28.66	16	33.1	K2 J	11	3468	A -10 2720
43		8.9A	59 1.897	-0.0028	17	-19 30 39.76	-0.001	12	0.30	1.944	18	33.1	39.73	16	33.1	G0 J	12B	4001	A -19 2595
44		9.3A	59 6.984	-0.0033	21	-17 3 18.25	-0.019	15	0.35	7.040	18	33.1	17.92	16	33.1	F5 J	12A	3652	A -16 2664
45		8.3A	59 7.213	-0.0057	17	-11 30 24.81	0.015	18	0.34	7.319	18	33.1	25.06	16	33.1	K0 J	11	3469	A -11 2528
46		8.4A	59 11.920	-0.0006	21	-14 17 38.21	-0.017	15	0.35	11.931	18	33.1	37.93	16	33.1	A0 J	12A	3653	A -13 2743
47		8.3A	59 14.027	-0.0039	18	-14 58 52.17	-0.067	13	0.32	14.093	18	33.1	51.04	16	33.1	G0 J	12A	3654	A -14 2729
48		8.7A	59 17.952	0.0009	17	-14 13 40.91	-0.003	12	0.30	17.937	18	33.1	40.87	16	33.1	K0 J	12A	3655	A -13 2744
49		8.7A	59 18.246	-0.0019	15	-11 3 41.63	0.019	17	0.32	18.278	18	33.1	41.95	16	33.1	A2 J	11	3471	A -10 2722
50		9.4A	59 28.414	-0.0008	21	-18 18 9.50	0.004	15	0.35	28.428	18	33.1	9.56	16	33.1	A J	12A	3656	A -17 2717
51		8.9A	8 59 39.755	-0.0018	17	-19 50 42.46	-0.020	13	0.31	39.786	18	33.1	42.11	16	33.1	K5 J	12B	4005	A -19 2597
52		9.2A	59 47.843	0.0013	15	-18 14 44.69	0.002	11	0.28	47.821	18	33.1	44.92	16	33.1	K7 J	12B	4007	A -17 2720
53		8.2A	59 57.100	-0.0033	15	-10 42 8.72	0.058	17	0.32	57.156	18	33.1	9.70	16	33.1	F8 J	11	3473	A -10 2724
54		9.4A	59 57.306	-0.0003	21	-16 53 28.90	-0.005	15	0.35	57.311	18	33.1	28.81	16	33.1	K7 J	12A	3658	A -16 2667
55		9.4A	59 59.758	-0.0011	21	-14 59 59.86	-0.014	15	0.35	59.777	18	33.1	59.62	16	33.1	K5 J	12A	3659	A -14 2730
56		8.9A	9 0 2.266	-0.0020	18	-16 6 42.23	-0.022	13	0.32	2.300	18	33.1	41.86	16	33.1	M0 J	12A	3660	A -15 2674
57		8.8A	0 4.722	0.0008	17	-19 48 29.58	-0.001	12	0.30	4.708	18	33.1	29.55	16	33.1	K2 J	12B	4008	A -19 2599
58		9.0A	0 23.659	-0.0007	21	-15 27 24.86	-0.007	15	0.35	23.671	18	33.1	24.74	16	33.1	G5 J	12A	3661	A -15 2676
59		9.0A	0 24.856	0.0008	15	-12 33 56.15	0.002	15	0.30	24.842	18	33.1	56.18	16	33.1	F8 J	11	3474	A -12 2771
60		8.6A	0 33.743	-0.0016	11	-10 3 10.87	-0.015	11	0.24	33.770	16	33.1	10.62	16	33.1	K2 R	16	3525	A -9 2726
61		8.5A	0 40.464	-0.0026	21	-14 40 7.75	0.005	15	0.35	40.509	18	33.1	7.83	16	33.1	K2 J	12A	3662	A -14 2732
62		8.2A	0 45.667	-0.0017	15	-13 48 18.12	0.007	17	0.32	45.696	18	33.1	18.25	16	33.1	K5 J	11	3476	A -13 2746
63		8.7A	0 49.952	0.0010	15	-17 27 17.64	-0.021	11	0.28	49.936	18	33.1	17.28	16	33.1	K5 J	12A	3663	A -17 2726
64		8.7A	0 51.105	0.0003	21	-17 27 43.51	-0.003	15	0.35	51.100	18	33.1	43.45	16	33.1	A0 J	12A	3665	A -17 2727
65		8.8A	0 52.913	-0.0059	21	-15 3 3.49	0.018	15	0.35	53.012	18	33.1	3.80	16	33.1	F0 J	12A	3664	A -14 2733
66		9.1A	0 55.284	-0.0020	17	-18 37 26.29	0.001	13	0.31	55.319	18	33.1	26.31	16	33.1	A5 J	12B	4015	A -18 2555
67		9.3A	1 3.127	0.0022	21	-17 16 25.31	0.020	15	0.35	3.090	18	33.1	25.64	16	33.1	K0 J	12A	3666	A -16 2670
68		8.3A	1 11.469	-0.0085	15	-12 21 28.75	0.030	17	0.32	11.613	18	33.1	29.25	16	33.1	F0 J	11	3477	A -11 2537
69		8.7A	1 14.053	-0.0016	15	-11 43 1.62	0.005	17	0.32	14.080	18	33.1	1.70	16	33.1	G5 J	11	3478	A -11 2539
70		7.9Q	1 14.528	-0.0035	10	-14 14 18.74	0.016	07	0.46	14.696	10	01.6	19.62	15	94.9	K2	GC	12523	-13 2751
71		6.8T	1 25.955	-0.0004	13	-17 17 51.20	-0.031	11	0.60	25.972	21	03.7	49.63	18	99.9	K0	GC	12525	-16 2672
72		9.0A	1 29.870	-0.0009	21	-17 21 47.97	-0.012	15	0.35	29.886	18	33.1	47.76	16	33.1	K5 J	12A	3669	A -16 2673
73		8.6A	1 30.589	-0.0052	18	-19 37 33.09	-0.032	15	0.33	30.677	18	33.1	32.50	16	33.1	F8 J	12B	4022	A -19 2605
74		8.8A	1 44.254	-0.0041	17	-18 20 42.85	0.001	13	0.31	44.323	18	33.1	42.86	16	33.1	A3 J	12B	4023	A -17 2730
75		9.1A	1 48.629	-0.0045	18	-16 59 3.06	0.018	15	0.32	48.705	18	33.1	3.36	16	33.1	G0 J	12A	3672	A -16 2676
76		8.8A	1 50.055	-0.0022	21	-15 0 17.07	-0.007	15	0.35	50.092	18	33.1	16.96	16	33.1	K2 J	12A	3671	A -14 2737
77		8.6A	1 50.084	0.0000	15	-14 5 0.03	-0.001	15	0.30	50.064	18	33.1	0.02	16	33.1	K0 J	11	3480	A -13 2753
78		8.7A	1 53.250	0.0005	11	-10 27 19.63	-0.034	11	0.24	53.241	16	33.2	19.06	16	33.2	K5	16	3534	A -10 2732
79		9.0A	1 53.717	0.0001	21	-17 29 33.94	0.003	15	0.35	53.716	18	33.1	33.98	16	33.1	K0 J	12A	3675	A -17 2732
80		8.8A	1 57.657	-0.0021	15	-12 38 13.43	0.005	17	0.32	57.692	18	33.1	13.51	16	33.1	K0 J	11	3482	A -12 2777
81		8.7A	2 0.461	-0.0093	21	-15 42 51.37	-0.041	15	0.35	0.618	18	33.1	50.68	16	33.1	K2 J	12A	3674	A -15 2685
82		8.3A	2 15.277	-0.0045	18	-19 51 59.56	0.042	13	0.32	15.353	18	33.1	+ 0.26	16	33.1	F0 J	12B	4028	A -19 2610
83		8.3A	2 17.317	-0.0043	17	-13 3 19.87	0.000	18	0.34	17.390	18	33.1	19.87	16	33.1	A0 J	11	3483	A -12 2779
84		7.5A	2 22.277	-0.0029	21	-17 2 12.22	-0.032	15	0.35	22.325	18	33.1	11.67	16	33.1	F2 J	12A	3675	A -16 2679
85		9.1A	2 24.261	-0.0017	15	-13 30 55.63	0.017	17	0.32	24.290	18	33.1	55.93	16	33.1	G0 J	11	3484	A -13 2757
86		8.1A	2 33.859	-0.0004	17	-11 29 53.09	0.017	18	0.34	33.866	18	33.1	53.37	16	33.1	K2 J	11	3486	A -11 2543
87		8.7A	2 37.793	-0.0000	15	-11 11 15.93	-0.027	17	0.32	37.793	18	33.1	15.47	16	33.1	B9 J	11	3487	A -10 2736
88		8.7A	2 40.584	-0.0027	17	-19 7 17.76	0.000	13	0.31	40.630	18	33.1	17.77	16	33.1	B9 J	12B	4031	A -18 2565
89		8.6A	2 44.835	0.0004	13	-11 28 46.01	0.012	17	0.31	44.828	18	33.1	46.21	16	33.1	M0 J	11	3488	A -11 2544
90		8.4A	2 50.220	-0.0022	17	-12 53 39.65	-0.001	18	0.34	50.257	18	33.1	39.63	16	33.1	F8 J	11	3489	A -12 2784
91		9.0A	2 54.463	-0.0020	17	-14 7 19.98	0.007	18	0.34	54.498	18	33.1	20.11	16	33.1	A3 J	11	3491	A -13 2759
92		9.0A	2 55.343	-0.0014	17	-19 15 32.89	-0.003	12	0.30	55.366	18	33.1	32.85	16	33.1	K0 J	12B	4034	A -18 2566
93		8.6A	2 55.476	-0.0017	15	-12 43 19.03	0.035	17	0.32	55.504	18	33.1	19.62	16	33.1	F8 J	11	3490	A -12 2785
94		8.2A	3 0.228	-0.0002	21	-17 8 21.22	0.010	15	0.35	0.232	18	33.1	21.38	16	33.1	K5 J	12A	3676	A -16 2681
95		9.0A	3 0.725	-0.0028	18	-15 9 18.76	0.014	20	0.36	0.772	18	33.1	18.99	16	33.1	F0 J	11	3492	A -12 2786
96		9.0A	3 9.453	-0.0003	17	-13 8 37.48	0.000	18	0.34	9.458	18	33.1	37.48	16	33.1	A0 J	11	3493	A -12 2787
97		8.4A	3 16.788	-0.0021	21	-14 22 33.16	0.019	15	0.35	16.823	18	33.1	33.49	16	33.1	A2 J	12A	3677	A -14 2741
98		8.5A	3 17.927	-0.0017	17	-12 43 1.69	0.005	18	0.34	17.955	18	33.1	1.77	16	33.1	K0 J	11	3494	A -12 2790
99		9.0A	3 22.319	-0.0042	21	-14 46 50.26	-0.006	15	0.35	22.389	18	33.1	50.15	16	33.1	F8 J	12A	3678	A -14 2742
00		8.4A	3 24.867	-0.0025	21	-14 35 42.31	-0.018	15	0.35	24.909	18	33.1	42.00	16	33.1	K0 J	12A	3679	A -14 2743

SOURCE

-10° 8H

154900

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	σ'_μ ″.001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.		SOURCE CAT.	STAR NUMBER	-10° 9H DM NUMBER
1		8.6A	9 3 25.380	-0.0008	21	-17 35 33.97	-0.015	15	0.35	25.393	18	33.1	33.71	16	33.1	K5	J	12A	3680	A -17 2742
2		8.9A	3 30.258	-0.0022	15	-13 15 41.37	-0.054	17	0.32	30.295	18	33.1	40.45	16	33.1	F0	J	11	3496	A -12 2791
3		7.8A	3 35.823	-0.0006	17	-11 8 37.11	-0.064	18	0.34	35.834	18	33.1	36.02	16	33.1	K0	J	11	3497	A -10 2741
4		8.9A	3 36.371	-0.0006	15	-11 32 30.18	-0.007	17	0.32	36.382	18	33.1	30.06	16	33.1	K5	J	11	3498	A -11 2547
5		8.8A	3 38.754	0.0033	18	-18 19 56.97	-0.027	13	0.32	38.698	18	33.1	56.51	16	33.1	F5	J	12B	4038	A -17 2743
6		8.6A	3 48.624	0.0018	18	-19 7 53.01	0.028	13	0.32	48.594	18	33.1	53.49	16	33.1	F2	J	12B	4040	A -18 2570
7		8.5A	3 52.856	-0.0112	18	-19 54 25.45	-0.050	13	0.32	53.045	18	33.1	24.60	16	33.1	G5	J	12B	4041	A -19 2617
8		8.6A	3 56.944	-0.0017	21	-17 33 13.62	-0.034	15	0.35	56.974	18	33.1	13.04	16	33.1	F5	J	12A	3682	A -17 2745
9		8.8A	3 57.837	-0.0011	18	-16 56 16.98	-0.019	13	0.32	57.856	18	33.1	16.65	16	33.1	K0	J	12A	3683	A -16 2682
10		8.6A	4 0.816	0.0004	21	-15 55 0.48	-0.002	15	0.35	0.809	18	33.1	0.45	16	33.1	F8	J	12A	3684	A -15 2698
11		9.1A	4 6.106	-0.0058	15	-12 36 9.49	-0.002	17	0.32	6.204	18	33.1	9.45	16	33.1	K7	J	11	3499	A -12 2795
12		9.1A	4 8.442	-0.0035	18	-16 52 16.55	-0.034	13	0.32	8.501	18	33.1	15.97	16	33.1	A2	J	12A	3685	A -16 2683
13		9.1A	4 9.079	-0.0027	15	-13 12 15.39	-0.026	17	0.32	9.124	18	33.1	14.95	16	33.1	K5	J	11	3500	A -12 2796
14		8.5A	4 10.339	-0.0010	18	-19 4 54.31	-0.007	13	0.32	10.356	18	33.1	54.20	16	33.1	K2	J	12B	4042	A -18 2573
15		9.1A	4 13.656	-0.0014	17	-11 38 29.09	0.027	18	0.34	13.680	18	33.1	29.54	16	33.1	G0	J	11	3501	A -11 2548
16		8.5A	4 16.744	0.0011	12	-10 4 52.61	-0.003	12	0.26	16.726	16	33.2	52.56	16	33.2	K2		16	3547	A -9 2741
17		9.0A	4 20.560	-0.0006	21	-16 40 20.69	-0.024	15	0.35	20.569	18	33.1	20.28	16	33.1	F0	J	12A	3686	A -16 2684
18		6.7T	4 36.218	-0.0013	14	-17 59 57.92	-0.015	13	0.72	36.283	24	01.8	57.15	21	99.3	K0		GC	12585	-17 2751
19		9.0A	4 42.344	-0.0039	21	-17 39 30.13	-0.050	15	0.35	42.410	18	33.1	29.28	16	33.1	A2	J	12A	3688	A -17 2752
20		7.0T	4 51.737	-0.0009	13	-13 6 19.62	0.008	09	0.57	51.775	22	05.8	20.03	19	99.3	F0		GC	12590	-12 2800
21		8.1A	4 53.086	-0.0023	12	-10 31 48.58	0.002	12	0.26	53.125	16	33.2	48.62	16	33.2	K2		16	3551	A -10 2746
22		8.8A	4 53.763	0.0006	21	-15 27 40.87	-0.024	15	0.35	53.773	18	33.1	40.48	16	33.1	K0	J	12A	3689	A -15 2703
23		8.8A	5 13.822	-0.0012	18	-12 28 31.27	-0.020	20	0.36	13.843	18	33.1	30.93	16	33.1	F2	J	11	3504	A -12 2802
24		8.6A	5 17.160	-0.0024	21	-14 14 19.32	0.016	15	0.35	17.201	18	33.1	19.60	16	33.1	F5	J	12A	3690	A -13 2769
25		9.0A	5 18.186	-0.0006	17	-18 30 6.24	-0.025	13	0.31	18.197	18	33.1	5.82	16	33.1	K0	J	12B	4051	A -18 2578
26		7.7A	5 19.210	-0.0014	12	-10 17 18.29	-0.009	12	0.26	19.234	16	33.2	18.14	16	33.2	A0		16	3553	A -9 2746
27		7.9A	5 19.725	-0.0014	17	-11 49 7.35	-0.001	18	0.34	19.748	18	33.1	7.33	16	33.1	K5	J	11	3507	A -11 2554
28		8.6A	5 29.648	-0.0058	20	-12 7 15.10	-0.014	20	0.37	29.746	18	33.1	14.86	16	33.1	B9	J	11	3508	A -11 2557
29		8.8A	5 46.227	-0.0019	17	-19 33 18.61	-0.051	13	0.31	46.260	18	33.1	17.74	16	33.1	K0	J	12B	4054	A -19 2625
30		9.0A	5 46.720	0.0006	21	-17 53 7.51	0.006	15	0.35	46.711	18	33.1	7.61	16	33.1	K0	J	12A	3692	A -17 2755
31		8.2A	5 48.587	-0.0004	21	-17 39 52.48	-0.021	15	0.35	48.594	18	33.1	52.12	16	33.1	K2	J	12A	3693	A -17 2757
32		8.8A	5 51.156	0.0022	21	-16 17 41.10	-0.038	15	0.35	51.120	18	33.1	40.46	16	33.1	K0	J	12A	3694	A -15 2710
33		8.1A	5 52.723	-0.0018	17	-11 44 19.75	-0.029	18	0.34	52.753	18	33.1	19.25	16	33.1	K2	J	11	3509	A -11 2559
34		8.2A	5 54.545	-0.0035	17	-11 48 39.04	-0.038	18	0.34	54.604	18	33.1	38.39	16	33.1	A5	J	11	3511	A -11 2560
35		9.0A	5 55.616	-0.0034	12	-10 15 31.68	-0.038	12	0.26	55.673	16	33.2	31.04	16	33.2	K		16	3558	A -9 2749
36		9.2A	6 1.619	-0.0108	21	-15 10 17.58	0.045	15	0.35	1.802	18	33.1	18.35	16	33.1	G5	J	12A	3695	A -14 2755
37		9.2A	6 2.865	-0.0014	21	-17 38 44.02	-0.018	15	0.35	2.889	18	33.1	43.71	16	33.1	K2	J	12A	3696	A -17 2759
38		8.6A	6 3.015	-0.0015	17	-13 56 23.75	-0.025	18	0.34	3.040	18	33.1	23.33	16	33.1	K0	J	11	3512	A -13 2770
39		7.3T	6 5.636	-0.0372	10	-14 56 20.58	-0.207	09	0.52	7.596	15	97.3	9.50	12	96.5	G0		GC	12620	B*-14 2757
40		8.8A	6 6.677	0.0017	21	-16 41 22.34	-0.009	15	0.35	6.649	18	33.1	22.18	16	33.1	K0	J	12A	3698	A -16 2690
41		9.0A	6 15.720	-0.0014	15	-19 15 41.58	0.004	11	0.28	15.745	18	33.1	41.65	16	33.1	K5	J	12B	4060	A -18 2583
42		8.0A	6 18.106	-0.0026	21	-17 3 3.89	-0.002	15	0.35	18.150	18	33.1	3.85	16	33.1	K2	J	12A	3699	A -16 2691
43		9.0A	6 24.003	-0.0021	21	-15 17 10.08	-0.005	15	0.35	24.038	18	33.1	10.18	16	33.1	K0	J	12A	3700	A -14 2759
44		6.6T	6 24.018	0.0007	14	-16 4 22.24	-0.053	13	0.69	23.983	19	03.0	19.62	18	00.1	K0		GC	12631	-15 2712
45		7.3T	6 25.827	-0.0256	12	-10 33 10.54	-0.129	10	0.55	27.057	17	02.0	4.11	15	00.2	G0		GC	12632	-10 2754
46		7.6A	6 39.182	-0.0038	17	-13 58 51.69	-0.009	18	0.34	39.247	18	33.1	51.54	16	33.1	K0	J	11	3515K	A -13 2773
47		8.9A	6 40.336	0.0008	17	-12 40 33.97	-0.039	18	0.34	40.322	18	33.1	33.31	16	33.1	F8	J	11	3514	A -12 2807
48		8.8A	6 43.134	-0.0024	18	-18 1 12.80	0.014	13	0.32	43.174	18	33.1	13.03	16	33.1	K0	J	12A	3702	A -17 2763
49		8.5A	6 44.186	-0.0025	17	-11 22 7.85	-0.036	18	0.34	44.229	18	33.1	7.24	16	33.1	A2	J	11	3516	A -10 2757
50		5.7T	6 45.725	-0.0040	08	-18 7 31.16	0.005	08	0.34	45.886	12	10.2	31.35	15	10.1	A0		GC	12643	-17 2765
51		8.9A	9 6 46.090	0.0017	21	-17 29 27.35	-0.036	15	0.35	46.061	18	33.1	26.74	16	33.1	K2	J	12A	3704	A -17 2764
52		8.3A	6 46.121	-0.0077	21	-16 33 17.81	-0.010	15	0.35	46.250	18	33.1	17.63	16	33.1	F8	J	12A	3703	A -16 2694
53		5.8H	6 47.600	0.0010	03	-12 9 14.99	-0.002	03	0.09	47.574	04	23.2	14.92	04	22.7	K0		F4	1240	-11 2565
54		9.0A	6 47.666	-0.0060	18	-19 53 54.64	-0.032	15	0.33	47.767	18	33.1	54.09	16	33.1	G0	J	12B	4063	A -19 2633
55		8.0A	6 49.293	-0.0002	18	-19 13 3.78	0.007	15	0.33	49.296	18	33.1	3.91	16	33.1	K0	J	12B	4064	A -18 2586
56		9.0A	6 52.810	-0.0035	17	-12 57 26.41	-0.025	18	0.34	52.869	18	33.1	25.98	16	33.1	K	J	11	3518	A -12 2808
57		8.9A	6 53.998	-0.0101	17	-12 37 26.06	0.018	18	0.34	54.168	18	33.1	26.36	16	33.1	F8	J	11	3519	A -12 2809
58		8.7A	7 1.513	-0.0003	17	-13 59 49.65	-0.013	18	0.34	1.519	18	33.1	49.43	16	33.1	K2	J	11	3520	A -13 2774
59		9.0A	7 1.549	-0.0016	18	-18 30 48.33	-0.015	13	0.32	1.577	18	33.1	48.08	16	33.1	K5	J	12B	4067	A -18 2587
60		8.9A	7 2.043	-0.0027	21	-15 23 6.88	-0.006	15	0.35	2.089	18	33.1	6.78	16	33.1	G0	J	12A	3706	A -15 2714
61		7.9A	7 18.379	0.0035	17	-13 39 12.21	-0.009	18	0.34	18.321	18	33.1	12.06	16	33.1	K2	J	11	3521	A -13 2775
62		8.6A	7 25.941	-0.0004	18	-18 50 15.33	-0.023	13	0.32	25.948	18	33.1	14.95	16	33.1	A5	J	12B	4068	A -18 2592
63		8.1A	7 34.139	-0.0024	17	-18 26 45.11	-0.029	12	0.30	34.179	18	33.1	44.61	16	33.1	K0	J	12B	4070	A -18 2596
64		8.2A	7 34.317	-0.0017	15	-19 32 14.30	-0.016	11	0.28	34.346	18	33.1	14.02	16	33.1	K0	J	12B	4071	A -19 2637
65		9.2A	7 36.630	-0.0001	21	-15 19 43.52	-0.005	15	0.35	36.632	18	33.1	43.45	16	33.1	K2	J	12A	3708	A -14 2765
66		8.8A	7 44.488	-0.0010	17	-12 55 24.69	0.017	18	0.34	44.505	18	33.1	24.97	16	33.1	F0	J	11	3522	A -12 2815
67		7.1T	7 50.406	-0.0023	15	-16 39 28.91	0.013	12	0.64	50.507	17	05.5	29.51	17	02.6	F0		GC	12660K	-16 2701
68		9.2A	7 50.884	0.0023	21	-14 36 52.80	-0.014	15	0.35	50.845	18	33.1	52.56	16	33.1	K2	J	12A	3711	A -14 2767
69		8.7A	7 55.321	0.0003	15	-11 24 43.75	0.013	17	0.32	55.315	18	33.1	43.97	16	33.1	M1	J	11	3523	A -11 2570
70		8.8A	7 55.748	0.0035	15	-11 14 5.57	0.013	17	0.32	55.690	18	33.1	5.79	16	33.1	K2	J	11	3524	A -10 2761
71		8.9A	7 56.594	-0.0017	17	-12 57 51.10	-0.009	18	0.34	56.622	18	33.1	50.94	16	33.1	A3	J	11	3525	A -12 2816
72		8.7A	7 58.341	-0.0055	17	-19 42 34.86	-0.017	13	0.31	58.434	18	33.1	34.56	16	33.1	G0	J	12B	4075	A -19 2640
73		8.2A	8 3.050	-0.0019	21	-14 41 43.55	-0.004	15	0.35	3.083	18	33.1	43.48	16	33.1	A2	J	12A	3713	A -14 2769
74		8.6Q	8 15.157	-0.0042	18	-16 46 4.02	-0.023	16	0.86	15.351	26	03.3	2.85	22	00.1	F0		GC	12666	-16 2703
75		9.3A	8 18.136	-0.0025	18	-16 16 5.15	-0.022	13	0.32	18.179	18	33.1	4.77	16	33.1	F2	J	12A	3715	A -15 2725
76		8.2A	8 28.996	-0.0008	21	-17 36 3.48	-0.001	15	0.35	29.009	18	33.1	3.46	16	33.1	A2	J	12A	3716	A -17 2772
77		8.3A	8 33.436	-0.0006	15	-12 27 0.96	-0.012	15	0.30	33.445	18	33.1	0.75	16	33.1	G5	J	11	3526	A -12 2818
78		8.2A	8 33.794	-0.0014	21	-15 15 15.95	0.007	15	0.35	33.817	18	33.1	16.07	16	33.1	A0	J	12A	3717	A -14 2772
79		8.5A	8 42.741	-0.0021	18	-19 16 40.93	-0.015	15	0.33	42.777	18	33.1	40.68	16	33.1	F0	J	12B	4082K	A -18 2602
80		9.2A	8 44.658	-0.0008	12	-10 21 57.67	0.015	12	0.26	44.672	16	33.2	57.92	16	33.2	A0		16	3576	A -9 2761
81		9.0A	8 53.362	-0.0038	21	-17 44 44.24	-0.018	15	0.35	53.427	18	33.1	43.93	16	33.1	G5	J	12A	3719	A -17 2773
82		8.7A	8 55.994	-0.0012	21	-14 44 31.68	-0.032	15	0.35	56.014	18	33.1	31.14	16	33.1	A0	J	12A	3718	A -14 2773
83		8.6A	9 10.732	-0.0003	17	-11 16 27.25	-0.005	18	0.34	10.737	18	33.1	27.16	16	33.1	K2	J	11	3528	A -10 2762
84		9.4A	9 19.257	-0.0000	18	-19 51 24.80	-0.006	13	0.32	19.258	18	33.1	24.69	16	33.1	G0	J	12B	4083	A -19 2642
85		8.4A	9 24.885	0.0009	15	-11 58 36.01	-0.003	17	0.32	24.869	18	33.1	35.96	16	33.1	F5	J	11	3529	A -11 2575
86		8.8A	9 32.903	-0.0029	21	-16 46 53.57	-0.013	15	0.35	32.953	18	33.1	53.35	16	33.1	K0	J	12A	3721	A -16 2708
87		7.6A	9 37.692	-0.0011	15	-11 37 30.60	0.022	17	0.32	37.711	18	33.1	30.97	16	33.1	K5	J	11	3530	A -11 2577
88		9.0A	9 41.032	-0.0003	17	-13 52 17.04	0.003	18	0.34	41.038	18	33.1	17.09	16	33.1	K2	J	11	3531	A -13 2781
89		5.8H	9 41.241	-0.0044	02	-19 32 32.51	0.040	02	0.10	41.396	05	14.6	33.71	06	20.0	K0		F4	1242	-19 2644
90		8.5A	9 41.765	-0.0001	21	-15 56 20.78	-0.017	15	0.35	41.768	18	33.1	20.48	16	33.1	A0	J	12A	3722	A -15 2728
91		9.0A	9 42.907	-0.0006	15	-13 12 8.90	-0.034	17	0.32	42.916	18	33.1	8.32	16	33.1	K0	J	11	3532	A -12 2825
92		8.9A	9 47.930	0.0004	15	-13 9 47.58	0.001	17	0.32	47.923	18	33.1	47.59	16	33.1	K0	J	11	3533	A -12 2826
93		7.9A	9 53.576	-0.0010	15	-10 52 22.14	-0.010	15	0.30	53.592	18	33.1	21.97	16	33.1	A0	J	11	3534	A -10 2766
94		8.6A	9 54.455	0.0013	21	-15 4 7.58	-0.006	15	0.35	54.432	18	33.1	7.48	16	33.1	K5	J	12A	3723	A -14 2776
95		8.9A	9 57.220	-0.0021	17	-13 39 6.33	0.008	18	0.34	57.256	18	33.1	6.47	16	33.1	F2	J	11	3535	A -13 2782
96		7.8A	10 3.206	-0.0020	12	-10 31 16.68	0.016	12	0.26	3.239	16	33.2	16.95	16	33.2	K0		16	3587	A -10 2767
97		8.8A	10 5.841	-0.0008	17	-11 21 20.75	-0.052	17	0.33	5.855	18	33.1	19.87	16	33.1	F5	J	11	3537	A -10 2768
98		8.9A	10 7.443	-0.0003	15	-11 28 6.41	0.004	15	0.30	7.448	18	33.1	6.47	16	33.1	A2	J	11	3538	A -11 2578
99		8.2A	10 9.883	-0.0037	17	-11 17 17.29	0.028	18	0.34	9.945	18	33.1	17.76	16	33.1	A0	J	11	3539	A -10 2769
00		8.8A	10 20.362	-0.0001	21	-15 29 36.94	-0.005	15	0.35	20.363	18	33.1	36.87	16	33.1	K5	J	12A	3724	A -15 2729

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NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	EPOCH 1950 μ s	EPOCH 1950 σ_μ ″.001	EPOCH 1950 δ_{1950} ° ′ ″	EPOCH 1950 μ' ″	EPOCH 1950 σ_μ/σ_{1950} ″.001 ″	ORIGINAL EPOCH α_2 s	ORIGINAL EPOCH σ ″.01	ORIGINAL EPOCH ep.	ORIGINAL EPOCH δ_2 ″	ORIGINAL EPOCH σ' ″.01	ORIGINAL EPOCH ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	-10° 9H DM NUMBER
1		8.6A	9 10 27.287	-0.0001	21	-16 35 34.62	-0.034	15 0.35	27.288	18	33.1	34.04	16	33.1	B9 J	12A	3725	A -16 2715
2		8.8A	10 35.772	0.0033	18	-19 8 48.37	-0.041	13 0.32	35.717	18	33.1	47.68	16	33.1	K2 J	12B	4090	A -18 2607
3		7.4T	10 35.911	-0.0028	10	-15 12 46.32	-0.001	08 0.47	36.043	18	03.1	46.29	17	98.4	F2	GC	12718	-14 2780
4		9.0A	10 36.556	-0.0013	21	-18 1 13.42	-0.006	15 0.35	36.579	18	33.1	13.31	16	33.1	A3 J	12A	3727	A -17 2788
5		9.1A	10 40.298	-0.0041	18	-15 28 39.03	-0.005	13 0.32	40.367	18	33.1	38.95	16	33.1	K5 J	12A	3728	A -15 2731
6		8.9A	10 44.098	-0.0010	18	-18 35 44.49	0.006	13 0.32	44.116	18	33.1	44.60	16	33.1	A0 J	12B	4092	A -18 2609
7		9.0A	10 48.165	-0.0012	17	-12 20 47.92	-0.027	18 0.34	48.186	18	33.1	47.46	16	33.1	M0 J	11	3540	A -11 2580
8		8.5A	10 50.104	-0.0016	15	-10 35 26.16	-0.017	17 0.32	50.132	18	33.1	25.87	16	33.1	K0 J	11	3541	A -10 2776
9		8.6A	10 59.725	-0.0005	15	-10 53 8.52	0.000	17 0.32	59.734	18	33.1	8.52	16	33.1	F0 J	11	3542	A -10 2779
10		8.2A	11 1.484	-0.0006	17	-11 1 17.09	-0.011	18 0.34	1.435	18	33.1	16.90	16	33.1	K2 J	11	3543	A -10 2780
11		9.0A	11 1.517	-0.0021	21	-14 29 22.49	0.007	15 0.35	1.553	18	33.1	22.62	16	33.1	A2 J	12A	3730	A -14 2781
12		9.1A	11 2.263	0.0002	21	-17 58 54.92	0.004	15 0.35	2.261	18	33.1	54.98	16	33.1	G5 J	12A	3731	A -17 2790
13		8.5A	11 8.648	0.0003	15	-14 5 21.40	-0.002	17 0.32	8.643	18	33.1	21.37	16	33.1	K2 J	11	3545	A -13 2788
14		8.6A	11 14.377	-0.0019	15	-12 10 14.70	0.013	17 0.32	14.408	18	33.1	14.91	16	33.1	K2 J	11	3546	A -11 2583
15		9.2A	11 16.325	-0.0008	21	-16 33 4.36	-0.047	15 0.35	16.339	18	33.1	3.56	16	33.1	F5 J	12A	3732	A -16 2719
16		8.9A	11 17.073	-0.0013	18	-18 19 10.90	0.014	13 0.32	17.095	18	33.1	11.13	16	33.1	G5 J	12B	4093K	A -17 2792
17		8.7A	11 21.975	-0.0021	18	-19 32 32.73	0.017	13 0.32	22.010	18	33.1	33.01	16	33.1	G0 J	12B	4094	A -19 2649
18		8.8A	11 28.707	-0.0019	15	-13 3 12.93	-0.005	17 0.32	28.738	18	33.1	12.84	16	33.1	F0 J	11	3547	A -12 2832
19		8.9A	11 31.743	-0.0027	15	-19 46 20.91	-0.015	11 0.28	31.789	18	33.1	20.64	16	33.1	A2 J	12B	4098	A -19 2655
20		8.9A	11 33.929	-0.0030	21	-15 31 57.04	0.022	15 0.35	33.980	18	33.1	57.42	16	33.1	K2 J	12A	3734	A -15 2737
21		6.6T	11 40.994	0.0001	11	-14 29 12.56	-0.013	08 0.52	40.988	21	98.8	11.89	17	98.0	K0	GC	12741	-14 2786
22		7.0A	12 3.436	-0.0026	18	-18 28 3.71	0.003	13 0.32	3.480	18	33.1	3.75	16	33.1	K0 J	12B	4103	A -18 2613
23		8.6A	12 8.785	-0.0051	18	-19 47 32.64	0.069	13 0.32	8.872	18	33.1	33.80	16	33.1	G5 J	12B	4104	A -19 2659
24		9.6A	12 15.616	-0.0028	21	-15 3 53.27	0.003	15 0.35	15.663	18	33.1	53.32	16	33.1	K0 J	12A	3737	A -14 2788
25		8.2A	12 18.411	-0.0007	21	-14 44 18.85	0.001	15 0.35	18.423	18	33.1	18.86	16	33.1	K2 J	12A	3738	A -14 2789
26		8.8A	12 30.783	-0.0026	21	-14 39 10.72	0.025	15 0.35	30.828	18	33.1	11.14	16	33.1	K0 J	12A	3739	A -14 2790
27		9.2A	12 42.440	-0.0024	21	-17 53 52.13	-0.110	15 0.35	42.480	18	33.1	50.26	16	33.1	F5 J	12A	3740	A -17 2796
28		8.8A	12 46.527	-0.0020	15	-12 39 20.05	-0.007	17 0.32	46.561	18	33.1	19.93	16	33.1	F0 J	11	3549	A -12 2839
29		8.4A	12 53.215	-0.0008	21	-17 45 16.14	0.016	15 0.35	53.229	18	33.1	16.41	16	33.1	G5 J	12A	3741	A -17 2799
30		7.7A	12 56.064	-0.0014	17	-19 23 15.56	-0.005	12 0.30	56.087	18	33.1	15.48	16	33.1	B9 J	12B	4108	A -18 2618
31		9.1A	12 58.653	-0.0014	13	-19 35 4.17	-0.021	09 0.26	58.678	18	33.1	3.80	16	33.1	K0 J	12B	4109	A -19 2662
32		6.2T	13 2.987	-0.0022	10	-14 48 57.37	-0.019	09 0.37	3.064	12	15.0	56.65	12	12.4	A0	GC	12774	-14 2793
33		8.8A	13 3.137	-0.0000	15	-13 54 28.86	-0.022	17 0.32	3.138	18	33.1	28.50	16	33.1	K5 J	11	3551	A -13 2794
34		8.7A	13 4.291	0.0025	15	-10 51 8.91	-0.020	17 0.32	4.252	18	33.1	8.57	16	33.1	K5 J	11	3550	A -10 2786
35		9.2A	13 12.233	-0.0023	12	-10 16 45.39	-0.010	12 0.26	12.272	16	33.2	45.22	16	33.2	G5	16	3607	A -9 2779
36		9.0A	13 13.510	-0.0045	21	-15 8 34.11	-0.019	15 0.35	13.586	18	33.1	33.79	16	33.1	A2 J	12A	3743	A -14 2794
37		8.4A	13 15.852	-0.0040	15	-13 45 4.08	0.015	17 0.32	15.920	18	33.1	4.34	16	33.1	A2 J	11	3553	A -13 2795
38		9.0A	13 16.874	-0.0012	17	-18 15 25.42	-0.026	12 0.30	16.895	18	33.1	24.97	16	33.1	K0 J	12B	4110	A -17 2801
39		8.0A	13 17.465	-0.0014	15	-12 55 19.81	-0.038	17 0.32	17.488	18	33.1	19.16	16	33.1	K2 J	11	3554	A -12 2841
40		8.8A	13 26.194	-0.0004	15	-11 25 51.24	-0.025	17 0.32	26.201	18	33.1	50.82	16	33.1	A0 J	11	3555	A -11 2591
41		8.9A	13 31.741	-0.0071	15	-12 1 31.47	-0.069	17 0.32	31.861	18	33.1	30.30	16	33.1	G5 J	11	3556	A -11 2592
42		9.1A	13 45.772	-0.0018	15	-19 19 23.14	-0.011	11 0.28	45.802	18	33.1	22.96	16	33.1	G5 J	12B	4113	A -18 2625
43		9.4A	13 59.853	-0.0010	21	-18 4 49.32	-0.016	15 0.35	59.871	18	33.1	49.05	16	33.1	G5 J	12A	3745	A -17 2803
44		9.0A	14 0.564	0.0039	18	-19 7 39.86	-0.048	13 0.32	0.499	18	33.1	39.06	16	33.1	F8 J	12B	4116	A -18 2626
45		9.1A	14 1.305	-0.0042	17	-19 51 13.41	0.007	13 0.31	1.377	18	33.1	13.52	16	33.1	K2 J	12B	4117	A -19 2666
46		8.6A	14 1.371	-0.0007	15	-11 42 51.36	-0.012	17 0.32	1.383	18	33.1	51.16	16	33.1	K0 J	11	3558	A -11 2594
47		8.7A	14 2.031	-0.0000	15	-10 48 31.70	0.003	17 0.32	2.031	18	33.1	31.74	16	33.1	K5 J	11	3557	A -10 2789
48		6.7T	14 4.704	-0.0046	12	-13 37 28.11	0.045	12 0.57	4.907	18	05.6	30.17	19	04.3	A2	GC	12795	-13 2804
49		9.2A	14 6.973	-0.0012	17	-15 59 58.47	-0.011	11 0.29	6.993	18	33.1	58.29	16	33.1	G0 J	12A	3746	A -15 2749
50		7.3T	14 7.326	-0.0021	22	-19 14 56.66	-0.009	17 0.90	7.418	22	07.1	56.25	21	04.2	F2	GC	12797	-18 2829
51		8.8A	9 14 13.004	-0.0031	13	-10 58 1.62	-0.010	15 0.30	13.056	18	33.1	1.45	16	33.1	F0 J	11	3560	A -10 2792
52		8.7A	14 16.500	-0.0052	17	-10 43 44.97	-0.048	18 0.34	16.588	18	33.1	44.16	16	33.1	K0 J	11	3561	A -10 2793
53		8.6A	14 21.302	-0.0014	21	-16 37 38.29	-0.024	15 0.35	21.326	18	33.1	37.88	16	33.1	B9 J	12A	3747	A -16 2735
54		8.5A	14 23.562	-0.0048	17	-13 38 52.66	-0.001	18 0.34	23.644	18	33.1	52.65	16	33.1	A0 J	11	3562	A -13 2805
55		8.9A	14 25.734	-0.0006	21	-17 27 24.44	0.008	15 0.35	25.743	18	33.1	24.57	16	33.1	K2 J	12A	3748	A -17 2804
56		6.5T	14 31.882	-0.0005	13	-10 53 31.10	-0.053	10 0.62	31.908	21	02.1	28.39	17	98.9	K0	GC	12807	-10 2794
57		8.8A	14 35.297	-0.0019	15	-19 56 38.59	-0.011	11 0.28	35.329	18	33.1	38.39	16	33.1	K5 J	12B	4120	A -19 2667
58		8.9A	14 36.910	0.0032	21	-14 13 26.58	-0.003	15 0.35	36.856	18	33.1	26.54	16	33.1	G0 J	12A	3749	A -13 2807
59		8.2A	14 40.909	-0.0014	21	-15 17 51.20	0.028	15 0.35	40.932	18	33.1	51.68	16	33.1	K2 J	12A	3750	A -14 2802
60		6.0T	14 45.208	-0.0037	09	-14 21 49.41	0.007	08 0.47	45.405	17	96.4	49.81	14	94.1	K0	GC	12811	-13 2808
61		9.1A	14 51.734	-0.0011	12	-10 32 27.10	-0.020	12 0.26	51.752	16	33.2	26.76	16	33.2	A3	16	3620	A -10 2796
62		8.6A	14 51.819	-0.0019	15	-11 47 52.38	0.043	17 0.32	51.850	18	33.1	53.10	16	33.1	A5 J	11	3567	A -11 2600
63		8.6A	14 58.988	-0.0018	17	-16 6 28.99	0.017	11 0.29	59.019	18	33.1	29.28	16	33.1	K0 J	12A	3752	A -15 2752
64		7.3T	15 4.736	-0.0027	05	-11 45 3.66	-0.046	04 0.26	4.861	12	03.7	1.18	12	96.2	K0	GC	12822	B*-11 2601
65		8.5A	15 10.179	-0.0050	18	-14 13 23.51	0.002	13 0.32	10.263	18	33.1	23.55	16	33.1	K0 J	12A	3753	A -13 2809
66		8.9A	15 12.284	-0.0031	21	-18 4 1.15	-0.035	15 0.35	12.336	18	33.1	0.55	16	33.1	K J	12A	3754	A -17 2808
67		8.4A	15 19.241	-0.0030	17	-19 20 43.31	0.032	12 0.30	19.292	18	33.1	43.86	16	33.1	F8 J	12B	4129	A -18 2636
68		8.9A	15 25.477	0.0005	15	-11 34 3.27	0.000	17 0.32	25.469	18	33.1	3.27	16	33.1	K5 J	11	3570	A -11 2602
69		8.9A	15 28.823	-0.0008	15	-13 10 16.92	-0.068	17 0.32	28.836	18	33.1	15.77	16	33.1	F0 J	11	3571	A -12 2852
70		8.9A	15 37.140	-0.0045	18	-19 25 36.63	0.018	13 0.32	37.216	18	33.1	36.94	16	33.1	A3 J	12B	4133	A -19 2671
71		8.9A	15 40.012	-0.0011	21	-16 47 18.30	-0.015	15 0.35	40.030	18	33.1	18.04	16	33.1	G0 J	12A	3755	A -16 2740
72		9.3A	15 40.486	-0.0010	18	-18 6 55.19	-0.023	13 0.32	40.503	18	33.1	54.80	16	33.1	F5 J	12A	3756	A -17 2813
73		8.7A	15 41.523	-0.0004	15	-12 6 29.58	-0.002	15 0.30	41.530	18	33.1	29.54	16	33.1	G0 J	11	3572K	A -11 2604
74		9.0A	15 48.663	-0.0007	18	-19 2 0.05	0.019	13 0.32	48.676	18	33.1	0.38	16	33.1	A3 J	12B	4134	A -18 2638
75		9.0A	15 48.899	-0.0005	15	-11 5 4.74	0.009	17 0.32	48.907	18	33.1	4.89	16	33.1	A2 J	11	3573	A -10 2799
76		8.0A	15 50.897	0.0005	21	-18 2 13.35	-0.009	15 0.35	50.889	18	33.1	13.19	16	33.1	A2 J	12A	3757	A -17 2814
77		8.9A	15 59.573	0.0009	18	-19 15 37.30	-0.024	13 0.32	59.558	18	33.1	36.90	16	33.1	K2 J	12B	4138	A -18 2639
78		9.0A	16 1.123	0.0020	21	-15 16 45.53	-0.061	15 0.35	1.089	18	33.1	44.50	16	33.1	K0 J	12A	3758	A -14 2811
79		8.3A	16 5.525	-0.0013	21	-16 25 8.04	0.003	15 0.35	5.547	18	33.1	8.09	16	33.1	K2 J	12A	3759	A -16 2742
80		8.6A	16 11.513	0.0016	21	-14 57 14.63	0.032	15 0.35	11.487	18	33.1	15.17	16	33.1	K0 J	12A	3760	A -14 2813
81		8.2A	16 19.926	-0.0017	11	-10 12 6.99	0.023	11 0.24	19.954	16	33.2	7.38	16	33.2	A2	16	3627K	A -9 2792
82		9.2A	16 21.514	-0.0023	21	-17 59 40.99	-0.001	15 0.35	21.553	18	33.1	40.97	16	33.1	G0 J	12A	3762	A -17 2816
83		8.7Q	16 35.458	-0.0006	18	-16 36 15.46	0.004	18 0.85	35.483	22	05.6	15.62	22	04.8	A3	GC	12847	-16 2748
84		6.9T	16 37.339	0.0009	11	-16 35 21.30	-0.024	09 0.40	37.301	09	09.7	20.32	09	09.7	A0	GC	12849	-16 2749
85		7.8A	16 48.448	0.0003	13	-10 56 43.61	-0.033	17 0.31	48.443	18	33.1	43.05	16	33.1	K0 J	11	3574	A -10 2801
86		8.6A	16 50.253	0.0010	21	-16 58 27.01	0.026	15 0.35	50.236	18	33.1	27.44	16	33.1	K2 J	12A	3765	A -16 2751
87		8.7A	16 50.644	-0.0037	15	-11 1 12.76	0.003	17 0.32	50.708	18	33.1	12.81	16	33.1	G5 J	11	3575	A -10 2802
88		9.0A	16 56.010	-0.0024	21	-15 34 23.29	0.027	15 0.35	56.050	18	33.1	23.75	16	33.1	A2 J	12A	3766	A -15 2762
89		9.2A	17 1.323	0.0084	15	-11 23 37.79	-0.011	17 0.32	1.182	18	33.1	37.61	16	33.1	K7 J	11	3576	A -10 2803
90		6.5T	17 8.790	-0.0061	17	-11 6 10.08	0.031	16 0.88	9.106	22	98.6	11.73	19	96.9	A2	GC	12861	-10 2804
91		5.9T	17 11.494	0.0032	08	-15 37 18.61	-0.051	06 0.33	11.363	12	08.6	16.23	12	03.8	K0	GC	12862K	B*-15 2763
92		9.2A	17 13.537	-0.0018	21	-17 8 35.98	0.097	15 0.35	13.568	18	33.1	37.61	16	33.1	F5 J	12A	3768	A -16 2754
93		9.2A	17 14.284	-0.0001	21	-17 52 1.72	0.006	15 0.35	14.286	18	33.1	1.82	16	33.1	K5 J	12A	3769	A -17 2820
94		9.4A	17 17.905	-0.0008	21	-17 15 21.57	-0.022	15 0.35	17.918	18	33.1	21.19	16	33.1	G0 J	12A	3770	A -16 2755
95		8.5A	17 20.633	0.0021	15	-10 58 52.37	-0.019	15 0.30	20.598	18	33.1	52.04	16	33.1	K2 J	11	3578	A -10 2805
96		4.9T	17 21.845	-0.0020	04	-11 45 46.60	0.005	03 0.22	21.953	10	97.2	46.88	09	93.7	G5	GC	12867	B*-11 2609
97		8.8A	17 29.793	0.0000	21	-14 34 17.50	-0.009	15 0.35	29.792	18	33.1	17.35	16	33.1	A2 J	12A	3771	A -14 2819
98		7.2T	17 31.738	-0.0016	20	-13 5 37.64	-0.020	18 0.90	31.808	24	04.9	36.71	22	03.3	K0	GC	12868	-12 2864
99		8.9A	17 37.886	-0.0004	18	-17 58 26.27	0.006	13 0.32	37.893	18	33.1	26.37	16	33.1	A0 J	12A	3772	A -17 2821
00		8.2A	17 45.449	-0.0024	17	-18 19 36.47	-0.010	13 0.31	45.489	18	33.1	36.30	16	33.1	F5 J	12B	4149	A -17 2823

155100

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	σ'_μ ″.001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.		SOURCE CAT.	STAR NUMBER	-100 9H DM NUMBER
1		8.6A	9 17 49.416	0.0003	11	-10 30 46.41	-0.025	11	0.24	49.411	16	33.2	45.98	16	33.2	K5		16	3634	A -15 2808
2		8.8A	17 58.349	-0.0002	18	-18 44 2.89	0.001	13	0.32	58.353	18	33.1	2.91	16	33.1	A2	J	12B	4152	A -18 2647
3		8.9A	18 2.917	0.0053	17	-19 17 41.63	-0.054	12	0.30	2.828	18	33.1	40.72	16	33.1	G0	J	12B	4154	A -18 2649
4		8.3A	18 7.215	-0.0006	21	-17 12 42.06	-0.036	15	0.35	7.226	18	33.1	41.45	16	33.1	G5	J	12A	3775	A -16 2757
5		8.5A	18 8.856	-0.0014	21	-14 32 4.45	-0.115	15	0.35	8.879	18	33.1	2.50	16	33.1	F8	J	12A	3774	A -14 2824
6		8.9A	18 18.362	-0.0010	21	-16 1 41.33	-0.022	15	0.35	18.380	18	33.1	40.96	16	33.1	G5	J	12A	3776	A -15 2766
7		9.3A	18 19.437	-0.0037	18	-12 24 6.48	-0.012	20	0.36	19.500	18	33.1	6.27	16	33.1	F0	J	11	3583	A -12 2869
8		9.0A	18 22.534	0.0001	15	-13 31 7.61	0.029	15	0.30	22.533	18	33.1	8.11	16	33.1	A	J	11	3584	A -13 2825
9		8.8A	18 23.262	-0.0043	21	-15 1 36.16	0.034	15	0.35	23.335	18	33.1	36.75	16	33.1	F8	J	12A	3777	A -14 2826
10		8.1A	18 23.566	-0.0070	15	-13 35 43.19	0.032	17	0.32	23.685	18	33.1	43.74	16	33.1	F5	J	11	3585	A -13 2826
11		8.8A	18 24.548	-0.0014	21	-18 1 10.99	0.004	15	0.35	24.572	18	33.1	11.05	16	33.1	K0	J	12A	3778	A -17 2826
12		8.9A	18 27.782	0.0031	17	-12 20 53.95	0.028	18	0.34	27.730	18	33.1	54.42	16	33.1	K0	J	11	3586	A -11 2611
13		8.3A	18 29.846	0.0023	17	-11 23 9.46	-0.115	18	0.34	29.807	18	33.1	7.51	16	33.1	G5	J	11	3587	A -10 2809
14		6.3T	18 33.433	0.0042	07	-15 24 11.59	-0.107	06	0.32	33.260	14	08.5	6.80	12	05.1	F5		GC	12897	B*-14 2828
15		9.0A	18 36.595	0.0008	21	-15 14 39.51	-0.043	15	0.35	36.582	18	33.1	38.79	16	33.1	K5	J	12A	3780	A -14 2830
16		9.0A	18 37.574	-0.0037	15	-11 10 9.27	0.003	17	0.32	37.638	18	33.1	9.32	16	33.1	G5	J	11	3588	A -10 2811
17		9.1A	18 44.582	-0.0015	15	-19 57 47.58	-0.004	12	0.29	44.608	18	33.1	47.50	16	33.1	K2	J	12B	4158	A -19 2689
18		8.8A	18 46.319	-0.0000	17	-13 10 19.90	0.010	18	0.34	46.319	18	33.1	20.07	16	33.1	M2	J	11	3589	A -12 2872
19		8.6A	18 47.026	-0.0013	21	-16 1 36.12	-0.002	15	0.35	47.048	18	33.1	36.10	16	33.1	A0	J	12A	3781	A -15 2769
20		8.9A	18 59.545	-0.0006	15	-13 38 41.08	-0.022	17	0.32	59.555	18	33.1	40.71	16	33.1	G5	J	11	3590	A -13 2829
21		8.8A	19 6.320	-0.0023	15	-11 37 47.32	-0.010	17	0.32	6.359	18	33.1	47.15	16	33.1	K0	J	11	3591	A -11 2614
22		8.7A	19 8.540	-0.0019	18	-18 43 52.64	-0.015	13	0.32	8.572	18	33.1	52.40	16	33.1	K5	J	12B	4159	A -18 2652
23		8.8A	19 10.019	0.0024	21	-17 31 59.98	-0.111	15	0.35	9.979	18	33.1	58.10	16	33.1	F8	J	12A	3782	A -17 2828
24		8.6Q	19 12.235	0.0013	20	-17 32 33.58	-0.082	16	0.80	12.182	18	07.5	29.94	19	05.7	F8		GC	12913	-17 2829
25		8.9A	19 18.371	0.0002	15	-10 37 47.55	0.008	17	0.32	18.368	18	33.1	47.68	16	33.1	K0	J	11	3592	A -10 2815
26		8.2A	19 25.391	-0.0015	11	-10 12 48.28	-0.017	11	0.24	25.416	16	33.2	47.99	16	33.2	F0		16	3645	A -9 2808
27		7.7A	19 28.553	-0.0006	15	-13 19 24.57	0.003	17	0.32	28.562	18	33.1	24.62	16	33.1	K2	J	11	3593	A -12 2877
28		8.8A	19 45.823	-0.0004	15	-13 15 16.34	0.031	17	0.32	45.830	18	33.1	16.87	16	33.1	K2	J	11	3594	A -12 2878
29		6.8T	20 9.486	-0.0011	18	-17 40 45.56	-0.028	15	0.80	9.538	21	04.4	44.21	18	02.3	F2		GC	12928K	B*-17 2835
30		6.7T	20 9.970	0.0001	16	-15 1 14.26	-0.044	13	0.74	9.967	22	03.0	12.13	21	01.1	K0		GC	12930	-14 2835
31		9.1A	20 13.423	0.0010	21	-16 41 22.95	-0.036	15	0.35	13.406	18	33.1	22.34	16	33.1	F5	J	12A	3786	A -16 2764
32		9.3A	20 13.935	-0.0022	21	-17 48 17.61	-0.025	15	0.35	13.972	18	33.1	17.18	16	33.1	G0	J	12A	3788	A -17 2836
33		8.8A	20 14.474	-0.0004	21	-15 19 59.59	-0.001	15	0.35	14.481	18	33.1	59.58	16	33.1	K2	J	12A	3787	A -14 2837
34		8.9A	20 21.905	-0.0024	13	-10 58 13.80	0.012	15	0.30	21.945	18	33.1	14.00	16	33.1	F8	J	11	3595	A -10 2822
35		8.7A	20 29.631	0.0017	15	-11 29 44.87	0.013	17	0.32	29.603	18	33.1	45.09	16	33.1	G0	J	11	3596	A -11 2621
36		8.5A	20 30.409	-0.0033	15	-13 36 29.29	0.004	17	0.32	30.466	18	33.1	29.36	16	33.1	K0	J	11	3597	A -13 2835
37		8.4A	20 36.083	-0.0006	18	-17 16 55.44	-0.018	13	0.32	36.094	18	33.1	55.13	16	33.1	K5	J	12A	3791	A -16 2767
38		8.9A	20 37.589	-0.0022	13	-10 54 26.35	-0.001	15	0.30	37.627	18	33.1	26.36	16	33.1	K5	J	11	3598	A -10 2825
39		9.3A	20 42.115	-0.0026	21	-17 44 46.65	-0.004	15	0.35	42.159	18	33.1	46.58	16	33.1	F	J	12A	3792	A -17 2841
40		8.6A	20 58.681	-0.0050	18	-19 12 46.11	-0.056	13	0.32	58.766	18	33.1	45.17	16	33.1	F5	J	12B	4176	A -18 2660
41		9.0A	21 7.591	-0.0010	15	-11 28 48.93	0.008	17	0.32	7.607	18	33.1	49.06	16	33.1	A0	J	11	3600	A -11 2623
42		8.5A	21 7.670	0.0007	15	-10 36 2.81	-0.018	17	0.32	7.659	18	33.1	2.50	16	33.1	G5	J	11	3599	A -10 2828
43		7.8A	21 9.232	-0.0008	21	-16 27 4.04	0.017	15	0.35	9.245	18	33.1	4.32	16	33.1	B9	J	12A	3793	A -16 2770
44		8.2A	21 9.934	-0.0010	21	-15 35 11.59	0.007	15	0.35	9.951	18	33.1	11.71	16	33.1	K2	J	12A	3794	A -15 2778
45		9.0A	21 28.021	-0.0013	21	-17 32 12.05	-0.000	15	0.35	28.043	18	33.1	12.05	16	33.1	A2	J	12A	3795	A -17 2843
46		8.7A	21 31.156	-0.0032	18	-14 52 59.33	-0.011	13	0.32	31.210	18	33.1	59.14	16	33.1	A2	J	12A	3796	A -14 2842
47		9.2A	21 33.421	-0.0019	18	-19 6 43.57	0.037	13	0.32	33.453	18	33.1	44.20	16	33.1	G0	J	12B	4183	A -18 2664
48		8.8A	21 35.326	-0.0009	15	-10 52 24.00	-0.003	15	0.30	35.341	18	33.1	23.95	16	33.1	G5	J	11	3601K	A -10 2832
49		8.9A	21 50.135	-0.0024	21	-17 16 21.80	-0.001	15	0.35	50.175	18	33.1	21.78	16	33.1	K2	J	12A	3797	A -16 2775
50		8.7A	21 52.589	-0.0020	13	-12 38 2.57	0.006	15	0.30	52.623	18	33.1	2.67	16	33.1	K0	J	11	3602	A -12 2887
51		8.8A	9 21 54.224	-0.0146	21	-15 47 49.71	-0.026	15	0.35	54.470	18	33.1	49.27	16	33.1	G0	J	12A	3798	A -15 2780
52		8.6A	21 55.553	-0.0013	17	-16 8 35.10	-0.014	11	0.29	55.575	18	33.1	34.87	16	33.1	K2	J	12A	3799	A -15 2782
53		8.8A	21 59.879	0.0002	18	-18 14 14.80	-0.038	13	0.32	59.877	18	33.1	14.15	16	33.1	K0	J	12B	4184	A -17 2846
54		8.6A	22 2.730	0.0022	18	-19 55 0.71	-0.030	13	0.32	2.692	18	33.1	0.19	16	33.1	K2	J	12B	4185	A -19 2703
55		8.9A	22 6.047	-0.0002	15	-11 52 43.09	-0.011	15	0.30	6.051	18	33.1	42.90	16	33.1	K2	J	11	3604	A -11 2627
56		9.0A	22 20.065	-0.0011	18	-19 22 21.15	0.009	13	0.32	20.084	18	33.1	21.31	16	33.1	F0	J	12B	4189	A -18 2668
57		7.7A	22 29.100	-0.0009	15	-10 43 6.70	-0.016	17	0.32	29.115	18	33.1	6.43	16	33.1	A0	J	11	3605	A -10 2834
58		8.0A	22 29.788	0.0004	21	-15 25 20.69	-0.017	15	0.35	29.782	18	33.1	20.41	16	33.1	K0	J	12A	3801	A -15 2787
59		8.0A	22 32.865	-0.0048	21	-17 52 28.75	0.012	15	0.35	32.947	18	33.1	28.95	16	33.1	K0	J	12A	3802	A -17 2847
60		8.8A	22 32.915	-0.0012	11	-10 8 50.77	0.047	11	0.24	32.936	16	33.2	51.56	16	33.2	F5		16	3662	A -9 2825
61		9.1A	22 35.060	-0.0013	15	-13 4 22.25	-0.001	17	0.32	35.082	18	33.1	22.23	16	33.1	K2	J	11	3606	A -12 2888
62		8.7A	22 35.980	-0.0045	15	-11 51 47.83	0.057	17	0.32	36.056	18	33.1	48.79	16	33.1	A0	J	11	3607	A -11 2628
63		7.9A	22 39.246	-0.0010	21	-17 0 8.67	0.005	15	0.35	39.263	18	33.1	8.75	16	33.1	F2	J	12A	3803	A -16 2778
64		9.0A	22 39.840	-0.0022	17	-14 21 14.58	-0.046	18	0.34	39.877	18	33.1	13.81	16	33.1	K0	J	11	3608	A -13 2844
65		8.4A	22 51.077	0.0003	21	-16 10 22.64	0.003	15	0.35	51.072	18	33.1	22.70	16	33.1	K0	J	12A	3804	A -15 2788
66		9.4A	22 54.659	-0.0007	17	-13 50 47.27	-0.029	18	0.34	54.672	18	33.1	46.78	16	33.1	G	J	11	3609	A -13 2848
67		9.0A	22 54.858	0.0003	15	-13 49 46.83	0.016	15	0.30	54.853	18	33.1	47.11	16	33.1	F8	J	11	3610	A -13 2847
68		9.1A	22 56.717	-0.0014	21	-16 53 13.44	-0.003	15	0.35	56.741	18	33.1	13.38	16	33.1	G5	J	12A	3805	A -16 2779
69		9.0A	23 0.860	-0.0006	21	-14 25 00.00	0.004	15	0.35	0.871	18	33.1	+ 0.07	16	33.1	A2	J	12A	3806	A -14 2846
70		8.9A	23 1.294	0.0056	21	-15 42 16.70	-0.071	15	0.35	1.200	18	33.1	15.50	16	33.1	G5	J	12A	3807	A -15 2790
71		8.4A	23 8.055	0.0001	21	-15 52 37.80	-0.017	15	0.35	8.053	18	33.1	37.52	16	33.1	F0	J	12A	3808	A -15 2791
72		8.7A	23 13.073	-0.0029	17	-13 6 54.21	0.017	18	0.34	13.122	18	33.1	54.49	16	33.1	K0	J	11	3613	A -12 2891
73		9.0A	23 13.812	-0.0025	17	-11 22 28.39	0.008	18	0.34	13.853	18	33.1	28.52	16	33.1	F8	J	11	3612	A -10 2835
74		9.1A	23 17.343	0.0003	21	-14 26 44.89	0.009	15	0.35	17.339	18	33.1	45.05	16	33.1	M2	J	12A	3809	A -14 2850
75		8.5A	23 20.543	-0.0014	12	-10 16 13.26	0.026	12	0.26	20.567	16	33.2	13.70	16	33.2	F0		16	3670	A -9 2830
76		9.0A	23 21.084	0.0001	21	-17 53 23.07	-0.008	15	0.35	21.083	18	33.1	22.93	16	33.1	K7	J	12A	3810	A -17 2853
77		9.2A	23 22.370	0.0045	18	-12 0 41.33	-0.016	20	0.36	22.294	18	33.1	41.06	16	33.1	G5	J	11	3616	A -11 2632
78		9.5A	23 22.944	0.0001	21	-17 28 6.64	-0.083	15	0.35	22.943	18	33.1	5.23	16	33.1	G5	J	12A	3812	A -17 2854
79		8.6A	23 24.874	0.0011	18	-14 18 52.28	-0.073	13	0.32	24.856	18	33.1	51.06	16	33.1	G5	J	12A	3811	A -13 2851
80		9.0A	23 35.294	-0.0017	21	-14 58 6.24	-0.013	15	0.35	35.324	18	33.1	6.02	16	33.1	A2	J	12A	3813	A -14 2851
81		7.1T	23 36.488	-0.0058	26	-17 43 50.69	-0.012	20	1.02	36.740	22	06.9	50.14	18	04.9	G5		GC	13003	-17 2855
82		9.2A	23 42.332	0.0017	18	-11 26 30.24	-0.018	20	0.36	42.303	18	33.1	29.93	16	33.1	G5	J	11	3618	A -11 2633
83		8.0A	23 51.840	-0.0003	18	-19 52 33.48	0.014	13	0.32	51.845	18	33.1	33.70	16	33.1	K0	J	12B	4198	A -19 2710
84		8.6A	23 53.976	0.0007	17	-12 19 12.44	-0.031	18	0.34	53.965	18	33.1	11.91	16	33.1	K0	J	11	3620	A -11 2635
85		8.8A	23 54.665	-0.0006	17	-12 16 18.71	-0.002	18	0.34	54.674	18	33.1	18.67	16	33.1	K	J	11	3621	A -11 2636
86		8.4A	24 1.537	-0.0012	17	-12 34 55.37	-0.030	18	0.34	1.558	18	33.1	54.86	16	33.1	K0	J	11	3622	A -12 2893
87		9.0A	24 5.216	-0.0000	21	-15 47 22.01	-0.024	15	0.35	5.217	18	33.1	21.61	16	33.1	K2	J	12A	3815	A -15 2792
88		8.7A	24 13.590	-0.0110	21	-16 13 22.24	0.074	15	0.35	13.777	18	33.1	23.49	16	33.1	G5	J	12A	3816	A -15 2794
89		8.9A	24 14.484	-0.0073	20	-14 2 48.72	-0.049	20	0.37	14.608	18	33.1	47.90	16	33.1	F5	J	11	3623	A -13 2852
90		8.1A	24 19.523	0.0001	18	-16 13 37.38	0.018	13	0.32	19.522	18	33.1	37.69	16	33.1	G5	J	12A	3818	A -15 2796
91		8.1A	24 19.638	0.0021	21	-14 16 17.10	-0.120	15	0.35	19.604	18	33.1	15.08	16	33.1	G5	J	12A	3817	A -13 2855
92		8.8A	24 23.544	0.0003	18	-18 23 7.70	0.025	13	0.32	23.539	18	33.1	8.12	16	33.1	K0	J	12B	4204	A -17 2857
93		6.8T	24 29.666	-0.0000	13	-18 56 14.72	0.009	11	0.64	29.668	19	01.7	15.19	18	98.5	A2		GC	13031	-18 2678
94		9.0A	24 31.874	0.0009	18	-18 41 33.03	-0.009	13	0.32	31.860	18	33.1	32.88	16	33.1	A2	J	12B	4207	A -18 2679
95		8.4A	24 36.829	0.0025	18	-16 16 58.26	-0.027	13	0.32	36.787	18	33.1	57.81	16	33.1	F5	J	12A	3820	A -15 2798
96		7.6A	24 39.099	-0.0051	21	-15 47 43.73	-0.021	15	0.35	39.185	18	33.1	43.38	16	33.1	K2	J	12A	3821	A -15 2799
97		7.7A	24 39.606	-0.0025	20	-12 41 29.38	-0.007	20	0.37	39.647	18	33.1	29.26	16	33.1	A3	J	11	3625	A -12 2896
98		8.9A	24 40.452	-0.0009	18	-19 27 43.82	0.008	13	0.32	40.467	18	33.1	43.96	16	33.1	F5	J	12B	4208	A -19 2715
99		8.8A	24 40.759	0.0008	21	-17 58 36.43	-0.040	15	0.35	40.746	18	33.1	35.75	16	33.1	K2	J	12A	3822	A -17 2859
00		9.0A	24 43.863	0.0011	21	-16 17 4.99	-0.024	15	0.35	43.845	18	33.1	4.57	16	33.1	F5	J	12A	3823	A -15 2801

155200 — EPOCH 1950 — ORIGINAL EPOCH — -10° 9H

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	CAT.	STAR NUMBER	DM NUMBER
1		9.1A	9 24 45.628	0.0021	17	-14 7 2.37	-0.010	18	0.34	45.593	18	33.1	2.21	16	33.1	G5 J	11	3626	A -13 2857
2		9.4A	24 46.970	-0.0025	21	-17 2 45.57	-0.065	15	0.35	47.013	18	33.1	44.46	16	33.1	G5 J	12A	3824	A -16 2786
3		9.1A	24 46.997	-0.0032	18	-17 2 51.64	-0.035	13	0.32	47.051	18	33.1	51.04	16	33.1	G5 J	12A	3825	A -16 2786
4		8.9A	24 47.118	0.0018	17	-12 27 37.50	0.012	18	0.34	47.088	18	33.1	37.71	16	33.1	A3 J	11	3627	A -12 2897
5		7.7A	24 48.137	-0.0027	17	-13 41 0.37	-0.040	18	0.34	48.185	18	33.1	-59.70	16	33.1	K2 J	11	3628	A -13 2858
6		9.1A	24 48.546	-0.0127	21	-16 26 36.54	-0.073	15	0.35	48.761	18	33.1	35.31	16	33.1	K0 J	12A	3826	A -16 2787
7		9.2A	24 58.002	-0.0016	21	-15 32 29.32	-0.026	15	0.35	58.029	18	33.1	28.88	16	33.1	K0 J	12A	3827	A -15 2803
8		9.0A	25 4.578	-0.0031	20	-18 55 18.67	-0.008	15	0.34	4.632	18	33.1	18.54	16	33.1	F8 J	12B	4212	A -18 2681
9		9.2A	25 13.335	-0.0024	21	-15 40 23.69	-0.007	15	0.35	13.376	18	33.1	23.56	16	33.1	F5 J	12A	3828	A -15 2804
10		8.9A	25 19.878	-0.0037	18	-11 55 27.83	-0.001	20	0.36	19.941	18	33.1	27.81	16	33.1	K0 J	11	3629	A -11 2643
11		8.9A	25 28.803	-0.0005	21	-17 48 50.18	-0.017	15	0.35	28.812	18	33.1	49.89	16	33.1	G0 J	12A	3830	A -17 2862
12		9.1A	25 30.597	-0.0037	20	-11 19 53.03	0.006	20	0.37	30.659	18	33.1	53.14	16	33.1	A2 J	11	3630	A -10 2838
13		8.1A	25 31.008	0.0005	21	-14 38 55.70	-0.072	15	0.35	31.000	18	33.1	54.48	16	33.1	F8 J	12A	3829	A -14 2860
14		9.2A	25 53.754	-0.0005	21	-16 17 28.10	0.056	15	0.35	53.762	18	33.1	29.05	16	33.1	G0 J	12A	3831	A -15 2807
15		7.8A	25 54.696	-0.0011	11	-10 6 0.53	0.004	11	0.24	54.714	16	33.2	0.60	16	33.2	K2	16	3691	A -9 2844
16		9.0A	25 59.764	-0.0029	21	-16 35 7.91	0.001	15	0.35	59.812	18	33.1	7.92	16	33.1	K0 J	12A	3832	A -16 2796
17		8.4A	26 13.086	0.0003	21	-16 18 15.50	-0.007	15	0.35	13.082	18	33.1	15.39	16	33.1	F5 J	12A	3833	A -15 2809
18		8.4A	26 14.259	-0.0050	18	-19 21 33.63	0.011	13	0.32	14.343	18	33.1	33.82	16	33.1	G0 J	12B	4217	A -18 2687
19		9.0A	26 14.762	0.0017	21	-16 8 2.36	-0.010	15	0.35	14.733	18	33.1	2.21	16	33.1	M0 J	12A	3834	A -15 2810
20		7.0A	26 15.810	-0.0005	12	-10 3 7.54	0.008	12	0.26	15.819	16	33.2	7.67	16	33.2	A2	16	3694	A -9 2845
21		9.3A	26 16.090	-0.0028	17	-10 44 6.64	0.013	18	0.34	16.137	18	33.1	6.86	16	33.1	A0 J	11	3631	A -10 2843
22		8.5A	26 28.268	-0.0012	18	-18 9 50.30	-0.027	13	0.32	26.309	18	33.1	49.84	16	33.1	A0 J	12A	3835	A -17 2868
23		8.5A	26 30.641	0.0006	18	-15 58 6.83	0.005	13	0.32	30.627	18	33.1	6.93	16	33.1	K5 J	12A	3836	A -15 2811
24		8.2A	26 30.695	0.0011	17	-13 21 0.17	-0.026	18	0.34	30.675	18	33.1	-59.69	16	33.1	M1 J	11	3632	A -12 2905
25		9.2A	26 35.750	-0.0018	21	-17 47 21.28	-0.012	15	0.35	35.781	18	33.1	21.07	16	33.1	F5 J	12A	3838	A -17 2869
26		8.2A	26 36.747	-0.0009	21	-15 36 2.67	-0.011	15	0.35	36.762	18	33.1	2.49	16	33.1	F0 J	12A	3837	A -15 2812
27		9.0A	26 46.696	0.0017	21	-17 34 52.13	-0.013	15	0.35	46.668	18	33.1	51.90	16	33.1	K0 J	12A	3839	A -17 2870
28		8.8A	26 53.239	-0.0015	21	-17 2 18.36	-0.004	15	0.35	53.265	18	33.1	18.29	16	33.1	K0 J	12A	3840	A -16 2801
29		7.9A	26 53.498	0.0005	17	-13 31 2.52	-0.004	18	0.34	53.490	18	33.1	2.46	16	33.1	K5 J	11	3633	A -13 2866
30		9.4A	26 53.998	-0.0009	21	-16 49 50.84	-0.029	15	0.35	54.014	18	33.1	50.34	16	33.1	G5 J	12A	3841	A -16 2800
31		9.0A	26 55.939	-0.0015	21	-17 36 27.49	0.006	15	0.35	55.965	18	33.1	27.59	16	33.1	A0 J	12A	3842	A -17 2873
32		9.1A	27 3.041	-0.0059	15	-12 15 52.57	0.053	17	0.32	3.140	18	33.1	53.46	16	33.1	F5 J	11	3634	A -11 2647
33		7.9A	27 5.872	0.0005	21	-17 17 8.57	0.014	15	0.35	5.863	18	33.1	8.80	16	33.1	A2 J	12A	3843	A -16 2804
34		9.2A	27 8.294	-0.0001	18	-12 11 10.05	-0.049	20	0.36	8.295	18	33.1	9.23	16	33.1	K0 J	11	3635	A -11 2648
35		9.0A	27 21.763	0.0018	17	-13 10 54.21	0.005	18	0.34	21.732	18	33.1	54.29	16	33.1	K0 J	11	3636	A -12 2911
36		8.6A	27 21.893	-0.0013	18	-18 55 50.39	-0.056	15	0.33	21.916	18	33.1	49.45	16	33.1	K5 J	12B	4224	A -18 2690
37		9.0A	27 22.855	-0.0018	17	-18 22 19.73	0.005	12	0.30	22.886	18	33.1	19.81	16	33.1	F0 J	12B	4225	A -17 2875
38		8.5A	27 24.301	-0.0017	17	-12 30 51.33	0.006	18	0.34	24.329	18	33.1	51.43	16	33.1	M1 J	11	3637	A -12 2912
39		9.1A	27 40.744	-0.0048	20	-18 25 57.20	-0.015	15	0.34	40.825	18	33.1	56.94	16	33.1	G5 J	12B	4230	A -18 2694
40		8.7A	27 45.011	-0.0015	17	-14 12 47.51	0.021	18	0.34	45.038	18	33.1	47.87	16	33.1	F8 J	11	3638	A -13 2869
41		8.7A	27 49.718	-0.0043	21	-17 23 11.72	-0.007	15	0.35	49.791	18	33.1	11.60	16	33.1	F8 J	12A	3846	A -16 2806
42		9.0A	27 52.374	-0.0025	17	-12 30 35.62	0.023	18	0.34	52.416	18	33.1	36.00	16	33.1	G5 J	11	3639	A -12 2913
43		8.7A	27 53.235	0.0027	21	-15 24 9.92	-0.009	15	0.35	53.190	18	33.1	9.77	16	33.1	K0 J	12A	3847	A -14 2865
44		8.4A	27 54.457	-0.0051	17	-19 20 44.23	0.014	13	0.31	54.544	18	33.1	44.47	16	33.1	F2 J	12B	4232	A -18 2697
45		8.8A	27 58.594	0.0019	20	-19 34 55.61	0.004	15	0.34	58.562	18	33.1	55.67	16	33.1	F0 J	12B	4234	A -19 2729
46		6.1T	28 0.433	-0.0049	13	-15 21 22.30	-0.068	12	0.62	0.662	19	03.5	19.13	15	03.1	K0	GC	13122	-14 2867
47		8.9A	28 4.846	-0.0022	12	-10 26 8.39	-0.018	12	0.26	4.884	16	33.2	8.08	16	33.2	K0	16	3700	A -10 2851
48		8.6A	28 6.806	-0.0027	15	-19 22 50.28	0.015	12	0.29	6.852	18	33.1	50.54	16	33.1	K0 J	12B	4236	A -18 2698
49		9.3A	28 15.780	-0.0020	21	-14 56 15.52	0.043	15	0.35	15.814	18	33.1	16.24	16	33.1	G0 J	12A	3849	A -14 2870
50		9.2A	28 20.046	-0.0005	21	-17 17 16.95	0.009	15	0.35	20.054	18	33.1	17.09	16	33.1	G5 J	12A	3850	A -16 2809
51		9.4A	9 28 38.112	-0.0008	21	-17 20 2.97	0.009	15	0.35	38.125	18	33.1	3.11	16	33.1	G J	12A	3852	A -16 2810
52		8.4A	28 41.458	0.0027	21	-14 35 47.35	0.001	15	0.35	41.412	18	33.1	47.37	16	33.1	K2 J	12A	3853	A -14 2872
53		7.1T	28 3.607	-0.0024	15	-11 50 25.70	-0.042	12	0.67	3.714	21	04.3	23.73	19	02.8	K0	GC	13147	-11 2652
54		9.3A	29 6.081	-0.0021	21	-12 2 10.35	-0.008	22	0.41	6.117	18	33.1	10.21	16	33.1	G0 J	11	3642	A -11 2654
55		8.2A	29 6.438	-0.0003	21	-18 11 46.29	0.022	15	0.35	6.444	18	33.1	46.66	16	33.1	K2 J	12A	3854	A -17 2885
56		8.9A	29 12.458	-0.0023	17	-12 50 24.70	0.003	18	0.34	12.496	18	33.1	24.75	16	33.1	F8 J	11	3644	A -12 2920
57		6.1T	29 12.626	0.0006	10	-10 19 50.70	-0.025	09	0.53	12.596	18	97.4	49.31	17	94.3	A5	GC	13148	-9 2856
58		9.0A	29 19.523	0.0012	21	-16 51 7.81	-0.006	15	0.35	19.503	18	33.1	7.70	16	33.1	K	12A	3855	A -16 2812
59		9.2A	29 24.835	-0.0011	17	-12 50 53.90	-0.035	18	0.34	24.854	18	33.1	53.30	16	33.1	F8 J	11	3645	A -12 2921
60		9.5A	29 27.260	-0.0031	21	-17 59 3.57	-0.028	15	0.35	27.312	18	33.1	3.09	16	33.1	A	12A	3856	A -17 2886
61		9.0A	29 28.387	-0.0015	17	-13 30 25.57	0.011	18	0.34	28.412	18	33.1	25.76	16	33.1	K0 J	11	3646	A -13 2873
62		6.3T	29 29.699	-0.0062	10	-10 8 57.66	0.005	10	0.55	30.013	18	99.7	57.92	17	97.8	K0	GC	13155	-9 2858
63		8.6A	29 33.859	0.0019	21	-14 32 26.63	-0.011	15	0.35	33.827	18	33.1	26.44	16	33.1	K2 J	12A	3857	A -14 2876
64		9.0A	29 35.476	-0.0032	21	-16 35 8.13	0.010	15	0.35	35.530	18	33.1	8.29	16	33.1	G5 J	12A	3858	A -16 2813
65		9.0A	29 36.793	-0.0025	21	-15 44 46.07	0.022	15	0.35	36.835	18	33.1	46.45	16	33.1	K0 J	12A	3859	A -15 2824
66		8.8A	29 44.679	-0.0016	17	-12 3 56.00	-0.009	18	0.34	44.706	18	33.1	55.84	16	33.1	K0 J	11	3649	A -11 2656
67		7.7T	29 45.739	-0.0008	09	-10 37 19.64	0.001	06	0.45	45.780	21	01.0	19.70	18	91.6	G0	GC	13161K	B+-10 2856
68		9.0A	29 48.519	0.0001	21	-16 39 26.68	-0.020	15	0.35	48.517	18	33.1	26.33	16	33.1	K2 J	12A	3860	A -16 2814
69		9.0A	29 49.192	0.0004	21	-17 10 6.90	-0.013	15	0.35	49.185	18	33.1	6.67	16	33.1	F8 J	12A	3861	A -16 2815
70		9.2A	29 51.659	-0.0043	17	-19 53 58.01	0.012	13	0.31	51.733	18	33.1	58.20	16	33.1	A7 J	12B	4247	A -19 2737
71		8.7A	29 58.596	-0.0005	18	-19 14 20.27	0.017	13	0.32	58.605	18	33.1	20.57	16	33.1	F0 J	12B	4250	A -18 2707
72		7.5Q	30 0.524	-0.0184	08	-10 57 47.98	0.026	12	0.58	1.553	19	94.2	49.29	19	00.5	K0	GC	13168	-10 2857
73		5.7T	30 0.987	-0.0010	08	-19 10 43.65	-0.001	09	0.38	1.028	12	08.7	43.61	12	08.2	A2	GC	13169	-18 2708
74		8.9A	30 8.058	-0.0026	20	-13 39 33.03	-0.016	20	0.37	8.102	18	33.1	32.75	16	33.1	G5 J	11	3652	A -13 2874
75		9.0A	30 9.048	0.0042	21	-17 12 43.15	-0.116	15	0.35	8.978	18	33.1	41.19	16	33.1	G0 J	12A	3862	A -16 2817
76		8.8A	30 13.247	0.0011	17	-10 55 55.20	0.001	18	0.34	13.228	18	33.1	55.22	16	33.1	K2 J	11	3653	A -10 2858
77		9.1A	30 15.524	0.0013	21	-16 2 16.14	-0.003	15	0.35	15.501	18	33.1	16.09	16	33.1	K0 J	12A	3863	A -15 2826
78		8.8A	30 22.134	-0.0019	21	-17 30 43.88	-0.010	15	0.35	22.165	18	33.1	43.72	16	33.1	K0 J	12A	3864	A -17 2893
79		8.8A	30 26.609	-0.0005	17	-13 2 17.43	0.024	18	0.34	26.618	18	33.1	17.85	16	33.1	K5 J	11	3654	A -12 2924
80		7.1T	30 30.996	-0.0018	16	-13 46 41.65	-0.009	14	0.77	31.082	24	02.0	41.18	24	01.0	G5	GC	13184K	B+-13 2876
81		6.2T	30 31.667	-0.0003	09	-13 17 41.71	-0.022	08	0.37	31.678	09	09.3	40.87	09	11.0	K5	GC	13185	-12 2926
82		9.0A	30 31.998	0.0008	17	-12 24 56.56	-0.023	18	0.34	31.984	18	33.1	56.17	16	33.1	G J	11	3655	A -11 2658
83		8.3A	30 32.177	-0.0026	20	-12 21 55.11	-0.003	20	0.37	32.221	18	33.1	55.07	16	33.1	F0 J	11	3657	A -11 2659
84		9.0A	30 39.441	-0.0052	12	-10 2 57.99	0.014	12	0.26	39.528	16	33.2	58.24	16	33.2	F5	16	3718	A -9 2861
85		9.2A	30 40.935	-0.0013	21	-14 14 35.46	-0.014	15	0.35	40.957	18	33.1	35.22	16	33.1	F2 J	12A	3865	A -13 2878
86		8.5A	30 52.532	-0.0020	17	-12 58 4.21	-0.024	18	0.34	52.567	18	33.1	3.81	16	33.1	A0 J	11	3660	A -12 2927
87		9.6A	30 53.903	-0.0028	21	-18 2 52.19	-0.023	15	0.35	53.950	18	33.1	51.81	16	33.1	F8 J	12A	3866	A -17 2895
88		8.6A	30 55.193	-0.0039	17	-18 39 38.47	-0.009	12	0.30	55.258	18	33.1	38.31	16	33.1	A5 J	12B	4257	A -18 2714
89		8.8A	31 10.487	-0.0011	21	-15 13 6.61	0.000	15	0.35	10.505	18	33.1	6.62	16	33.1	K0 J	12A	3867	A -14 2883
90		9.2A	31 11.048	0.0002	15	-11 9 47.72	-0.081	17	0.32	11.044	18	33.1	46.35	16	33.1	K0 J	11	3661	A -10 2862
91		9.0A	31 11.495	-0.0029	17	-17 8 51.01	0.012	13	0.31	11.544	18	33.1	51.22	16	33.1	F2 J	12A	3868	A -16 2824
92		8.7A	31 15.725	0.0007	18	-19 16 27.35	-0.000	00	0.27	15.713	18	33.1	27.34	16	33.1	K5 J	12B	4264	A -18 2715
93		9.0A	31 19.432	0.0011	15	-14 9 29.22	0.023	17	0.32	19.414	18	33.1	29.60	16	33.1	G5 J	11	3662	A -13 2884
94		8.7A	31 21.064	-0.0061	12	-10 6 22.95	-0.005	12	0.26	21.167	16	33.2	22.88	16	33.2	G0	16	3726K	A -9 2869
95		9.2A	31 22.761	0.0013	21	-16 33 28.37	0.027	15	0.35	22.739	18	33.1	28.83	16	33.1	F8 J	12A	3869	A -16 2828
96		8.5A	31 33.791	-0.0007	18	-19 40 21.63	0.010	13	0.32	33.803	18	33.1	21.81	16	33.1	G5 J	12B	4267	A -19 2744
97		8.5A	31 33.899	-0.0004	12	-10 20 4.45	0.000	12	0.26	33.905	16	33.2	4.45	16	33.2	K2	16	3727	A -9 2871
98		9.1A	31 39.379	-0.0032	20	-18 46 12.84	0.011	15	0.34	39.433	18	33.1	13.02	16	33.1	A5 J	12B	4268	A -18 2718
99		8.8A	31 41.573	0.0007	21	-15 27 40.38	-0.014	15	0.35	41.561	18	33.1	40.15	16	33.1	K2 J	12A	3870	A -15 2833
00		8.8A	31 43.751	0.0010	18	-11 27 11.31	-0.007	20	0.36	43.733	18	33.1	11.20	16	33.1	A2 J	11	3665	A -11 2664

155300

EPOCH 1950 — ORIGINAL EPOCH — -10° 9H

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	α_{1950} h m s	μ s	σ_μ .001"	δ_{1950} ° ′ ″	μ' ″	σ'_μ .001"	σ_{1950} ″	α_2 s	σ .01"	ep.	δ_2 ″	σ' .01"	ep.	SP.		SOURCE CAT.	SOURCE STAR NUMBER	DM NUMBER
1		8.6A	9 31 45.889	-0.0002	18	-18 52 51.38	0.011	13	0.32	45.892	18	33.1	51.56	16	33.1	K2	J	12B	4269	A -18 2720
2		9.0A	31 49.800	0.0013	21	-15 9 42.46	-0.012	15	0.35	49.779	18	33.1	42.26	16	33.1	K0	J	12A	3871	A -14 2886
3		8.9A	31 50.767	-0.0053	18	-18 48 35.65	0.015	13	0.32	50.856	18	33.1	35.90	16	33.1	K0	J	12B	4272	A -18 2721
4		9.0A	31 52.039	0.0003	17	-10 48 47.47	-0.015	18	0.34	52.034	18	33.1	47.22	16	33.1	G0	J	11	3666	A -10 2866
5		9.1A	31 55.405	0.0015	17	-12 0 11.76	-0.069	18	0.34	55.380	18	33.1	10.61	16	33.1	F8	J	11	3667	A -11 2667
6		8.6A	32 2.170	-0.0004	15	-13 38 36.20	0.031	17	0.32	2.176	18	33.1	36.72	16	33.1	A0	J	11	3668	A -13 2888
7		8.3A	32 4.445	0.0002	20	-18 31 44.63	-0.006	15	0.34	4.442	18	33.1	44.52	16	33.1	A2	J	12B	4274	A -18 2722
8		9.1A	32 4.496	-0.0025	18	-17 46 0.10	-0.001	13	0.32	4.538	18	33.1	0.10	16	33.1	M0	J	12A	3872	A -17 2898
9		9.2A	32 9.245	-0.0010	17	-14 48 49.49	-0.013	11	0.29	9.261	18	33.1	49.27	16	33.1	A2	J	12A	3874	A -14 2888
10		8.0A	32 15.489	-0.0010	21	-16 9 8.55	0.015	15	0.35	15.505	18	33.1	8.80	16	33.1	M2	J	12A	3875	A -15 2837
11		8.6Q	32 19.150	-0.0036	10	-12 23 1.65	-0.007	06	0.43	19.301	21	07.6	1.30	21	96.3	A0		GC	13231	-11 2668
12		6.7T	32 25.395	-0.0014	12	-11 54 13.67	-0.195	11	0.56	25.456	18	05.0	4.56	18	02.2	G0		GC	13236	-11 2670
13		9.2A	32 25.979	-0.0008	17	-11 8 49.54	-0.037	18	0.34	25.992	18	33.1	48.92	16	33.1	K0	J	11	3670	A -10 2869
14		9.0A	32 30.535	-0.0057	18	-19 9 50.29	0.041	15	0.33	30.631	18	33.1	50.98	16	33.1	G	J	12B	4279	A -18 2724
15		9.2A	32 43.470	-0.0017	21	-15 46 59.85	0.007	15	0.35	43.498	18	33.1	59.97	16	33.1	K2	J	12A	3876	A -15 2838
16		9.1A	32 51.648	-0.0063	11	-10 5 16.54	-0.169	12	0.25	51.753	16	33.2	13.70	16	33.2	K0		16	3733	A -9 2880
17		9.2A	32 57.388	-0.0014	21	-16 3 7.52	0.030	15	0.35	57.412	18	33.1	8.03	16	33.1	K5	J	12A	3877	A -15 2839
18		8.5A	33 3.163	-0.0023	17	-19 20 2.55	0.005	12	0.30	3.202	18	33.1	2.63	16	33.1	F0	J	12B	4282	A -18 2726
19		8.0I	33 6.923	-0.0066	36	-14 28 3.52	-0.056	28	1.24	7.167	21	13.0	1.31	21	11.0	M7E		GC	13247V	B+-14 2893
20		9.2A	33 8.960	-0.0024	21	-16 14 54.60	-0.015	15	0.35	9.001	18	33.1	54.35	16	33.1	F5	J	12A	3879	A -15 2840
21		9.4A	33 11.258	-0.0135	15	-14 34 45.88	-0.101	15	0.30	11.486	18	33.1	47.59	16	33.1	G5	J	11	3673	A -14 2894
22		9.0A	33 13.870	-0.0035	18	-15 51 13.29	-0.025	13	0.32	13.929	18	33.1	12.87	16	33.1	K0	J	12A	3880	A -15 2841
23		6.2T	33 14.147	-0.0030	09	-19 21 32.25	-0.050	08	0.35	14.268	07	09.8	30.30	07	11.0	A0		GC	13254K	-18 2728
24		8.1A	33 19.623	-0.0009	17	-11 43 18.10	-0.012	18	0.34	19.637	18	33.1	17.90	16	33.1	K0	J	11	3674	A -11 2674
25		8.9A	33 31.641	-0.0023	17	-10 37 5.03	0.012	18	0.34	31.679	18	33.1	5.23	16	33.1	G5	J	11	3675	A -10 2873
26		8.4A	33 39.238	-0.0005	17	-14 50 3.12	-0.032	11	0.29	39.246	18	33.1	2.59	16	33.1	K2	J	12A	3881	A -14 2895
27		9.5A	33 44.108	0.0008	17	-12 14 5.87	-0.115	18	0.34	44.094	18	33.1	3.93	16	33.1	A2	J	11	3676	A -11 2677
28		9.0A	33 45.915	-0.0015	15	-12 38 33.16	-0.039	17	0.32	45.941	18	33.1	32.51	16	33.1	K0	J	11	3677	A -12 2943
29		8.8A	33 49.043	-0.0008	21	-14 35 9.62	0.022	15	0.35	49.057	18	33.1	10.00	16	33.1	A5	J	12A	3882	A -14 2897
30		8.8A	33 49.417	-0.0001	21	-17 1 30.83	-0.003	15	0.35	49.419	18	33.1	30.78	16	33.1	F2	J	12A	3884K	A -16 2836
31		8.8A	33 49.998	0.0017	21	-14 15 42.91	0.002	15	0.35	49.968	18	33.1	42.93	16	33.1	K2	J	12A	3883	A -13 2893
32		8.7A	33 50.788	0.0021	17	-13 20 15.60	-0.006	18	0.34	50.753	18	33.1	15.47	16	33.1	F0	J	11	3680	A -12 2944
33		8.3A	33 55.984	-0.0022	17	-18 24 49.56	0.012	13	0.31	56.021	18	33.1	49.77	16	33.1	A2	J	12B	4292	A -17 2904
34		8.6A	34 4.077	-0.0005	21	-17 9 38.24	-0.009	15	0.35	4.086	18	33.1	38.09	16	33.1	K5	J	12A	3886	A -16 2838
35		7.8A	34 5.164	-0.0007	15	-11 2 58.16	-0.002	17	0.32	5.176	18	33.1	58.13	16	33.1	A0	J	11	3681	A -10 2874
36		8.7A	34 5.907	0.0014	17	-13 0 25.79	-0.004	18	0.34	5.884	18	33.1	25.73	16	33.1	A2	J	11	3682	A -12 2946
37		9.0A	34 10.067	-0.0055	11	-10 34 34.71	-0.041	11	0.24	10.159	16	33.2	34.02	16	33.2	G5		16	3737	A -10 2876
38		8.9A	34 17.415	-0.0021	15	-11 22 14.13	0.053	17	0.32	17.450	18	33.1	15.03	16	33.1	A2	J	11	3684	A -10 2877
39		8.9A	34 21.272	-0.0009	18	-18 46 12.70	0.005	13	0.32	21.287	18	33.1	12.78	16	33.1	A5	J	12B	4299	A -18 2733
40		8.9A	34 26.102	-0.0006	18	-10 54 4.50	-0.025	20	0.36	26.112	18	33.1	4.08	16	33.1	F2	J	11	3685	A -10 2878
41		8.9A	34 42.171	0.0002	20	-13 32 31.53	0.001	20	0.37	42.168	18	33.1	31.54	16	33.1	K2	J	11	3686	A -13 2902
42		8.7A	34 44.942	0.0002	17	-13 26 50.34	-0.028	18	0.34	44.939	18	33.1	49.88	16	33.1	F2	J	11	3687	A -13 2903
43		8.8A	34 48.881	0.0020	15	-11 59 28.63	-0.033	15	0.30	48.847	18	33.1	28.07	16	33.1	F5	J	11	3688	A -11 2681
44		8.2A	34 55.030	0.0007	21	-14 37 31.87	-0.013	15	0.35	55.018	18	33.1	31.66	16	33.1	A2	J	12A	3887	A -14 2904
45		8.6A	35 2.404	-0.0031	21	-18 12 46.27	-0.014	15	0.35	2.457	18	33.1	46.04	16	33.1	A0	J	12A	3889	A -17 2910
46		9.2A	35 2.678	-0.0029	18	-16 28 41.11	0.007	13	0.32	2.727	18	33.1	41.23	16	33.1	K0	J	12A	3888	A -16 2842
47		9.5A	35 9.448	-0.0023	11	-10 22 44.00	0.023	11	0.24	9.486	16	33.2	44.39	16	33.2	G0		16	3743	A -9 2886
48		8.6A	35 14.901	-0.0019	21	-16 50 45.96	-0.013	15	0.35	14.933	18	33.1	45.74	16	33.1	G5	J	12A	3890	A -16 2843
49		8.6A	35 15.035	-0.0003	17	-13 4 18.20	-0.010	18	0.34	15.040	18	33.1	18.04	16	33.1	G5	J	11	3690	A -12 2951
50		8.2A	35 19.294	-0.0014	21	-15 28 26.56	-0.010	15	0.35	19.318	18	33.1	26.40	16	33.1	K0	J	12A	3891	A -15 2844
51		8.4A	9 35 27.548	-0.0023	21	-16 2 16.01	-0.005	15	0.35	27.587	18	33.1	15.93	16	33.1	F0	J	12A	3892	A -15 2846
52		8.2A	35 34.254	-0.0019	21	-16 0 38.41	0.017	15	0.35	34.287	18	33.1	38.70	16	33.1	K2	J	12A	3893	A -15 2847
53		9.4A	35 38.193	0.0010	17	-10 24 49.38	-0.077	18	0.34	38.175	18	33.1	48.08	16	33.1	K0	J	11	3691	A -9 2890
54		7.7A	35 40.089	-0.0027	15	-18 46 59.26	0.075	11	0.28	40.134	18	33.1	+ 0.52	16	33.1	A0	J	12B	4304	A -18 2739
55		9.0A	35 43.219	0.0001	21	-16 25 37.23	-0.023	15	0.35	43.217	18	33.1	36.84	16	33.1	K0	J	12A	3894	A -16 2844
56		9.0A	35 43.381	-0.0034	17	-13 18 13.54	-0.043	18	0.34	43.439	18	33.1	12.82	16	33.1	K0	J	11	3692	A -12 2953
57		9.2A	35 43.794	0.0028	18	-18 24 8.95	-0.033	13	0.32	43.746	18	33.1	8.40	16	33.1	A5	J	12B	4305	A -17 2916
58		8.6A	35 49.397	-0.0054	21	-17 5 35.03	0.002	15	0.35	49.488	18	33.1	35.07	16	33.1	G0	J	12A	3897	A -16 2846
59		8.8A	35 49.536	-0.0003	21	-16 29 26.75	-0.002	15	0.35	49.542	18	33.1	26.72	16	33.1	M1	J	12A	3896	A -16 2845
60		8.5A	35 56.803	-0.0007	17	-19 24 7.59	-0.001	12	0.30	56.815	18	33.1	7.57	16	33.1	A2	J	12B	4309	A -18 2740
61		9.2A	35 58.981	-0.0001	18	-18 26 28.37	-0.005	13	0.32	58.983	18	33.1	28.30	16	33.1	G0	J	12B	4310	A -18 2742
62		9.1A	35 59.804	-0.0036	21	-15 32 40.76	-0.037	15	0.35	59.864	18	33.1	40.14	16	33.1	G5	J	12A	3898	A -15 2850
63		9.1A	36 5.110	-0.0006	21	-15 24 15.95	0.010	15	0.35	5.120	18	33.1	16.12	16	33.1	A0	J	12A	3900	A -14 2907
64		8.6A	36 6.061	0.0002	15	-13 31 14.25	0.010	17	0.32	6.058	18	33.1	14.41	16	33.1	A0	J	11	3693	A -13 2909
65		9.2A	36 8.159	-0.0019	13	-13 33 14.23	-0.048	17	0.31	8.192	18	33.1	13.41	16	33.1	G0	J	11	3694	A -13 2910
66		8.8A	36 11.027	0.0021	17	-12 24 41.55	-0.009	18	0.34	10.993	18	33.1	41.40	16	33.1	K0	J	11	3695	A -11 2686
67		8.0A	36 14.586	0.0001	15	-11 34 15.61	0.002	15	0.30	14.585	18	33.1	15.65	16	33.1	K0	J	11	3696	A -11 2687
68		8.9A	36 30.852	-0.0001	12	-10 11 57.71	-0.037	12	0.26	30.852	16	33.2	57.09	16	33.2	G0		16	3752	A -9 2893
69		8.4A	36 37.453	-0.0005	21	-17 57 25.63	-0.022	15	0.35	37.461	18	33.1	25.27	16	33.1	K2	J	12A	3901	A -17 2921
70		6.9T	36 38.784	-0.0045	14	-17 23 51.99	0.005	13	0.77	39.024	22	97.0	52.29	21	94.3	F0		GC	13333	-16 2848
71		8.5A	37 0.033	-0.0003	18	-18 5 5.58	-0.004	13	0.32	0.038	18	33.1	5.52	16	33.1	A0	J	12A	3903	A -17 2922
72		9.1A	37 3.712	0.0029	18	-12 11 41.06	-0.006	20	0.36	3.662	18	33.1	40.96	16	33.1	F8	J	11	3697	A -11 2692
73		8.4A	37 7.716	-0.0028	21	-15 44 5.93	0.000	15	0.35	7.762	18	33.1	5.93	16	33.1	F0	J	12A	3904	A -15 2860
74		9.2A	37 11.110	-0.0006	21	-16 7 9.11	-0.017	15	0.35	11.120	18	33.1	8.83	16	33.1	A2	J	12A	3905	A -15 2861
75		8.9A	37 11.564	-0.0059	17	-14 9 53.57	-0.078	18	0.34	11.664	18	33.1	52.24	16	33.1	G5	J	11	3698	A -13 2913
76		8.5T	37 19.368	-0.0020	09	-10 29 6.69	0.002	07	0.45	19.467	15	99.3	6.82	14	94.9	K2		GC	13342	-10 2886
77		6.2T	37 20.840	-0.0020	04	-10 20 35.66	0.000	03	0.17	20.930	07	05.9	35.68	07	05.5	B9		GC	13343	-9 2898
78		8.4A	37 23.713	0.0011	21	-17 50 27.42	-0.016	15	0.35	23.693	18	33.1	27.15	16	33.1	G5	J	12A	3906	A -17 2924
79		9.1A	37 24.349	-0.0030	12	-10 2 1.79	-0.021	12	0.26	24.398	16	33.2	1.45	16	33.2	F8		16	3757	A -9 2899
80		8.5A	37 28.125	0.0009	17	-19 19 37.64	-0.010	13	0.31	28.110	18	33.1	37.47	16	33.1	A2	J	12B	4322	A -18 2751
81		8.9A	37 31.093	-0.0027	17	-18 42 31.06	0.001	13	0.31	31.138	18	33.1	31.07	16	33.1	F8	J	12B	4323	A -18 2752
82		7.1T	37 38.139	-0.0094	26	-12 46 11.19	0.003	22	1.07	38.537	27	07.5	11.33	27	06.6	F5		GC	13346	-12 2960
83		8.9A	37 43.752	-0.0025	18	-17 1 26.31	-0.008	13	0.32	43.794	18	33.1	26.18	16	33.1	F8	J	12A	3908	A -16 2852
84		9.0A	37 45.136	-0.0005	17	-19 35 21.29	0.014	13	0.31	45.143	18	33.1	21.53	16	33.1	F5	J	12B	4324	A -19 2776
85		8.8A	37 49.842	0.0005	17	-13 51 1.04	-0.020	18	0.34	49.833	18	33.1	0.69	16	33.1	K0	J	11	3702	A -13 2915
86		9.1A	37 51.166	-0.0036	18	-15 40 28.85	0.000	13	0.32	51.226	18	33.1	28.85	16	33.1	F5	J	12A	3909	A -15 2864
87		6.2T	37 53.635	-0.0006	03	-10 32 30.32	-0.006	03	0.20	53.665	09	96.9	29.99	09	91.2	A2		GC	13353	-10 2888
88		5.0H	37 54.469	-0.0022	02	-14 6 16.63	-0.024	02	0.06	54.541	03	17.7	15.81	03	16.1	B3		F4	364	-13 2917
89		8.7A	37 55.176	0.0017	21	-16 7 12.48	0.000	15	0.35	55.146	18	33.1	12.48	16	33.1	M2	J	12A	3910	A -15 2867
90		9.2A	38 3.137	-0.0031	21	-15 20 4.44	0.017	15	0.35	3.189	18	33.1	4.73	16	33.1	K0	J	12A	3911	A -14 2915
91		9.2A	38 15.806	-0.0004	21	-18 17 16.84	-0.080	15	0.35	15.813	18	33.1	15.50	16	33.1	K2	J	12A	3912	A -17 2929
92		8.6A	38 16.961	0.0013	18	-18 15 26.52	-0.050	13	0.32	16.935	18	33.1	25.69	16	33.1	F0	J	12A	3913	A -17 2930
93		8.4A	38 22.769	0.0030	15	-11 42 38.44	-0.019	17	0.32	22.719	18	33.1	38.12	16	33.1	F5	J	11	3705	A -11 2698
94		8.7A	38 22.946	0.0010	17	-12 4 55.35	-0.030	18	0.34	22.930	18	33.1	54.85	16	33.1	A0	J	11	3706	A -11 2699
95		8.6A	38 35.332	0.0008	17	-12 51 54.27	0.003	18	0.34	35.320	18	33.1	54.33	16	33.1	K5	J	11	3707	A -12 2963
96		9.8A	38 45.564	-0.0015	21	-14 58 0.83	-0.003	15	0.35	45.589	18	33.1	0.78	16	33.1	F5	J	12A	3914	A -14 2919
97		9.1A	38 47.094	0.0000	17	-17 39 15.51	0.016	13	0.31	47.093	18	33.1	15.78	16	33.1	G5	J	12A	3915	A -17 2931
98		9.1A	38 48.840	-0.0014	18	-12 43 1.83	-0.048	20	0.36	48.864	18	33.1	1.03	16	33.1	G5	J	11	3708	A -12 2965
99		8.4A	38 50.634	-0.0024	21	-17 9 19.59	0.032	15	0.35	50.675	18	33.1	20.14	16	33.1	K5	J	12A	3916	A -16 2857
00		8.9A	38 55.512	-0.0031	18	-12 4 49.74	0.019	20	0.36	55.564	18	33.1	50.06	16	33.1	K0	J	11	3709	A -11 2701

155400

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	σ'_μ ″.001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	-10° 9H DM NUMBER
1		7.5T	9 39 0.881	-0.0043	11	-10 16 26.90	-0.002	08	0.50	1.092	18	00.2	26.81	15	96.9	K2	GC	13374	-9 2903
2		8.4A	39 9.976	0.0082	21	-18 15 20.76	0.037	15	0.35	9.838	18	33.1	21.40	16	33.1	F8 J	12A	3917K	A -17 2933
3		8.8A	39 13.459	-0.0061	18	-17 39 26.72	-0.071	13	0.32	13.561	18	33.1	25.52	16	33.1	G5 J	12A	3918	A -17 2934
4		8.0A	39 19.489	0.0021	15	-12 23 7.92	-0.065	17	0.32	19.455	18	33.1	6.82	16	33.1	F0 J	11	3711	A -11 2702
5		9.1A	39 19.722	-0.0020	21	-17 23 17.74	0.000	15	0.35	19.757	18	33.1	17.74	16	33.1	F0 J	12A	3919	A -16 2862
6		8.8A	39 25.015	-0.0016	17	-13 27 20.75	-0.011	18	0.34	25.043	18	33.1	20.57	16	33.1	K0 J	11	3712	A -13 2924
7		9.0A	39 27.254	-0.0041	17	-10 59 53.47	-0.013	18	0.34	27.322	18	33.1	53.25	16	33.1	F2 J	11	3713	A -10 2891
8		8.4A	39 28.905	0.0030	21	-17 34 16.08	-0.001	15	0.35	28.855	18	33.1	16.08	16	33.1	F0 J	12A	3920	A -17 2936
9		9.2A	39 30.612	-0.0003	17	-13 12 25.49	-0.030	18	0.34	30.617	18	33.1	24.99	16	33.1	M2 J	11	3714	A -12 2967
10		9.0A	39 31.959	0.0000	18	-19 56 28.14	-0.022	13	0.32	31.958	18	33.1	27.77	16	33.1	G5 J	12B	4339	A -19 2786
11		8.5A	39 33.151	-0.0032	21	-15 12 33.32	-0.004	15	0.35	33.205	18	33.1	33.26	16	33.1	K0 J	12A	3921	A -14 2921
12		9.1A	39 40.207	0.0022	21	-17 42 2.10	-0.007	15	0.35	40.170	18	33.1	1.98	16	33.1	F5 J	12A	3922	A -17 2938
13		9.4A	39 40.942	-0.0005	17	-13 11 28.86	-0.056	18	0.34	40.951	18	33.1	27.92	16	33.1	K0 J	11	3715	A -12 2968
14		8.3A	39 44.486	-0.0013	17	-12 41 18.65	0.007	18	0.34	44.508	18	33.1	18.78	16	33.1	F0 J	11	3716	A -12 2971
15		8.9A	39 46.423	-0.0001	15	-12 49 50.72	0.025	17	0.32	46.425	18	33.1	51.12	16	33.1	G5 J	11	3717	A -12 2972
16		8.2A	39 54.160	-0.0012	21	-15 41 27.25	-0.053	15	0.35	54.179	18	33.1	26.36	16	33.1	K0 J	12A	3923	A -15 2873
17		8.5A	39 54.587	0.0033	21	-15 46 3.16	0.010	15	0.35	54.530	18	33.1	3.33	16	33.1	A0 J	12A	3924	A -15 2874
18		9.3A	40 0.091	-0.0025	17	-12 49 7.54	-0.018	22	0.37	0.134	18	33.1	7.25	16	33.1	A0 J	11	3718	A -12 2974
19		8.9A	40 2.699	-0.0031	17	-18 33 7.63	0.001	13	0.31	2.751	18	33.1	7.64	16	33.1	A0 J	12B	4342	A -18 2760
20		8.6A	40 5.348	0.0002	21	-14 45 32.21	-0.028	15	0.35	5.344	18	33.1	31.74	16	33.1	G5 J	12A	3925	A -14 2925
21		8.6A	40 6.060	0.0008	21	-15 38 6.52	-0.011	15	0.35	6.047	18	33.1	6.33	16	33.1	K0 J	12A	3927	A -15 2875
22		8.2A	40 8.879	-0.0023	21	-14 47 29.83	-0.001	15	0.35	8.917	18	33.1	29.82	16	33.1	A2 J	12A	3928	A -14 2927
23		7.9A	40 9.410	-0.0030	17	-13 44 58.80	0.030	18	0.34	9.460	18	33.1	59.30	16	33.1	A0 J	11	3719	A -13 2926
24		8.7A	40 12.108	0.0001	15	-10 39 6.64	-0.002	15	0.30	12.106	18	33.1	6.61	16	33.1	K0 J	11	3720	A -10 2894
25		8.6A	40 18.874	0.0020	17	-13 53 50.92	-0.009	18	0.34	18.840	18	33.1	50.76	16	33.1	K0 J	11	3721	A -13 2927
26		9.0A	40 22.895	0.0002	21	-17 15 16.07	0.025	15	0.35	22.892	18	33.1	16.50	16	33.1	K2 J	12A	3929	A -16 2867
27		8.9A	40 25.860	-0.0011	18	-18 25 36.14	-0.060	13	0.32	25.878	18	33.1	35.13	16	33.1	G0 J	12B	4345	A -17 2943
28		8.9A	40 26.021	-0.0015	12	-10 27 59.21	-0.019	12	0.26	26.045	16	33.2	58.90	16	33.2	A2	16	3777	A -10 2897
29		8.7A	40 40.769	-0.0018	15	-13 40 10.97	-0.017	15	0.30	40.799	18	33.1	10.68	16	33.1	K0 J	11	3723	A -13 2929
30		8.6A	40 44.376	-0.0006	17	-19 17 35.25	0.010	13	0.31	44.386	18	33.1	35.41	16	33.1	K2 J	12B	4351	A -18 2764
31		9.1A	40 48.961	0.0024	15	-11 19 5.41	-0.006	15	0.30	48.920	18	33.1	5.33	16	33.1	A2 J	11	3724	A -10 2899
32		8.2A	40 55.832	-0.0012	21	-16 5 55.69	-0.027	15	0.35	55.853	18	33.1	55.24	16	33.1	K0 J	12A	3931	A -15 2879
33		8.2A	41 5.728	0.0014	17	-13 27 55.85	-0.055	18	0.34	5.705	18	33.1	54.92	16	33.1	G5 J	11	3725	A -13 2930
34		8.4A	41 16.137	-0.0015	21	-17 12 10.48	-0.002	15	0.35	16.162	18	33.1	10.45	16	33.1	K2 J	12A	3932	A -16 2871
35		8.6A	41 18.435	-0.0070	21	-14 56 32.29	0.048	15	0.35	18.552	18	33.1	33.11	16	33.1	F5 J	12A	3933	A -14 2933
36		8.9A	41 28.984	-0.0019	15	-12 51 40.45	0.017	15	0.30	29.017	18	33.1	40.75	16	33.1	G0 J	11	3726	A -12 2978
37		9.0A	41 37.828	0.0052	17	-16 15 7.07	-0.024	12	0.30	37.739	18	33.1	6.67	16	33.1	G5 J	12A	3934	A -15 2885
38		8.5A	41 42.970	0.0010	15	-13 29 37.30	0.012	17	0.32	42.953	18	33.1	37.51	16	33.1	K0 J	11	3727	A -13 2935
39		8.4A	41 43.363	-0.0039	15	-13 48 10.20	0.040	17	0.32	43.428	18	33.1	10.87	16	33.1	F2 J	11	3728	A -13 2936
40		8.3A	41 44.427	-0.0004	17	-19 17 59.77	-0.002	12	0.30	44.434	18	33.1	59.73	16	33.1	F8 J	12B	4359	A -18 2767
41		8.8A	41 48.371	-0.0028	17	-11 38 30.70	-0.015	17	0.33	48.417	18	33.1	30.45	16	33.1	G0 J	11	3729	A -11 2712
42		9.1A	41 55.356	-0.0021	15	-13 13 33.54	-0.038	15	0.30	55.392	18	33.1	32.91	16	33.1	K0 J	11	3730	A -12 2979
43		8.9A	41 57.829	-0.0028	17	-13 35 34.73	0.008	18	0.34	57.876	18	33.1	34.86	16	33.1	K0 J	11	3731	A -13 2939
44		9.0A	42 13.839	-0.0019	17	-19 42 40.13	0.023	13	0.31	13.872	18	33.1	40.52	16	33.1	G0 J	12B	4361	A -19 2801
45		8.3A	42 18.653	-0.0024	15	-11 26 3.10	0.008	17	0.32	18.694	18	33.1	3.24	16	33.1	K0 J	11	3732	A -11 2713
46		8.6A	42 25.010	-0.0015	21	-16 47 5.26	-0.013	15	0.35	25.036	18	33.1	5.04	16	33.1	K0 J	12A	3935	A -16 2877
47		9.1A	42 26.258	-0.0021	21	-16 36 55.48	0.001	15	0.35	26.294	18	33.1	55.50	16	33.1	A0 J	12A	3936	A -16 2878
48		9.1A	42 27.956	-0.0033	18	-15 58 12.47	0.035	13	0.32	28.011	18	33.1	13.06	16	33.1	F5 J	12A	3937	A -15 2890
49		8.5A	42 28.175	-0.0018	17	-19 13 17.98	0.004	13	0.31	28.205	18	33.1	18.04	16	33.1	K0 J	12B	4366	A -18 2770
50		7.1T	42 29.890	0.0023	22	-17 28 32.77	-0.002	18	1.02	29.782	26	02.7	32.69	22	99.6	K2	GC	13435	-17 2952
51		9.4A	9 42 32.616	0.0000	21	-16 4 52.35	-0.005	15	0.35	32.616	18	33.1	52.27	16	33.1	K0 J	12A	3939	A -15 2891
52		8.9A	42 32.976	0.0000	18	-16 19 22.28	0.004	13	0.32	32.976	18	33.1	22.35	16	33.1	K0 J	12A	3940	A -15 2892
53		9.3A	42 35.935	-0.0015	21	-17 26 44.46	-0.004	15	0.35	35.960	18	33.1	44.39	16	33.1	F8 J	12A	3941	A -17 2953
54		8.6A	42 40.522	-0.0032	21	-14 46 28.24	-0.012	15	0.35	40.575	18	33.1	28.04	16	33.1	F2 J	12A	3942	A -14 2938
55		9.2A	42 43.767	-0.0060	21	-16 44 35.61	-0.059	15	0.35	43.869	18	33.1	34.62	16	33.1	G0 J	12A	3943	A -16 2880
56		8.9A	42 50.608	-0.0037	15	-12 59 28.54	-0.004	17	0.32	50.670	18	33.1	28.48	16	33.1	A3 J	11	3733	A -12 2981
57		8.9A	43 2.512	-0.0012	15	-12 14 23.46	0.027	15	0.30	2.532	18	33.1	23.92	16	33.1	M0 J	11	3734	A -11 2715
58		8.9A	43 13.599	-0.0021	21	-15 11 32.73	0.007	15	0.35	13.634	18	33.1	32.85	16	33.1	G5 J	12A	3944	A -14 2941
59		8.1A	43 14.982	0.0029	15	-11 7 28.29	-0.088	15	0.30	14.932	18	33.1	26.80	16	33.1	K2 J	11	3735	A -10 2912
60		9.2A	43 18.493	-0.0001	18	-17 42 33.50	-0.027	13	0.32	18.494	18	33.1	33.06	16	33.1	F0 J	12A	3945	A -17 2957
61		8.4A	43 19.175	-0.0040	18	-19 21 0.15	0.023	13	0.32	19.242	18	33.1	0.53	16	33.1	F2 J	12B	4372	A -18 2771
62		8.9A	43 21.466	-0.0007	17	-19 28 20.56	0.013	13	0.31	21.477	18	33.1	20.77	16	33.1	F2 J	12B	4373	A -19 2811
63		8.3A	43 26.634	-0.0023	18	-18 28 8.26	0.011	13	0.32	26.673	18	33.1	8.45	16	33.1	G5 J	12B	4374	A -18 2772
64		8.9A	43 34.797	-0.0046	15	-12 59 59.64	-0.019	15	0.30	34.876	18	33.1	59.33	16	33.1	G0 J	11	3736	A -12 2983
65		9.0A	43 40.658	0.0013	11	-10 9 34.32	-0.018	11	0.24	40.636	16	33.1	34.02	16	33.1	K0 R	16	3791	A -9 2917
66		7.0T	43 46.431	-0.0027	17	-19 29 47.65	0.011	15	0.75	46.549	19	06.1	48.16	17	02.8	A0	GC	13458	-19 2813
67		8.0A	43 50.457	-0.0033	21	-14 21 30.29	-0.001	15	0.35	50.513	18	33.1	30.26	16	33.1	K2 J	12A	3947	A -13 2946
68		9.2A	44 2.611	-0.0184	21	-14 18 0.10	0.165	15	0.35	2.921	18	33.1	2.88	16	33.1	K0 J	12A	3949	A -13 2948
69		8.2A	44 11.886	-0.0014	12	-10 1 18.51	0.023	11	0.25	11.909	16	33.2	18.90	16	33.2	F0	16	3793	A -9 2920
70		9.0A	44 19.861	-0.0001	15	-11 40 23.45	0.002	17	0.32	19.864	18	33.1	23.49	16	33.1	F8 J	11	3739	A -11 2717
71		8.3A	44 21.351	0.0001	15	-11 42 24.28	-0.039	15	0.30	21.349	18	33.1	23.63	16	33.1	K0 J	11	3740	A -11 2718
72		8.2A	44 27.113	-0.0004	21	-16 18 52.38	-0.002	15	0.35	27.120	18	33.1	52.35	16	33.1	F8 J	12A	3950	A -15 2900
73		7.1T	44 38.250	-0.0040	12	-10 17 27.49	-0.001	12	0.59	38.434	17	03.3	27.46	17	02.6	F2	GC	13483	-9 2922
74		9.1A	44 40.270	-0.0015	21	-16 35 14.88	-0.006	15	0.35	40.296	18	33.1	14.78	16	33.1	K0 J	12A	3951	A -16 2885
75		8.7A	44 40.694	-0.0024	15	-13 48 15.04	-0.030	15	0.30	40.734	18	33.1	14.53	16	33.1	K5 J	11	3742	A -13 2949
76		7.1T	44 43.381	-0.0014	12	-10 30 41.26	-0.006	12	0.63	43.453	18	00.1	40.97	17	99.4	F5	GC	13484	-10 2918
77		8.7A	44 43.684	-0.0000	12	-10 34 5.95	0.003	12	0.26	43.684	16	33.2	6.00	16	33.2	G0	16	3799	A -10 2919
78		7.0T	44 51.804	-0.0008	17	-16 58 24.60	0.016	14	0.82	51.844	26	01.6	25.45	22	97.9	K5	GC	13488	-16 2887
79		9.2A	45 7.295	-0.0017	21	-16 38 10.38	0.021	15	0.35	7.324	18	33.1	10.74	16	33.1	G5 J	12A	3953	A -16 2889
80		8.4A	45 11.600	-0.0034	15	-11 50 10.91	0.003	17	0.32	11.858	18	33.1	10.96	16	33.1	A2 J	11	3745	A -11 2721
81		9.0A	45 12.720	-0.0010	15	-13 17 12.26	-0.033	17	0.32	12.737	18	33.1	11.71	16	33.1	K5 J	11	3746	A -12 2990
82		8.5A	45 22.358	0.0026	17	-12 20 51.27	0.005	18	0.34	22.314	18	33.1	51.37	16	33.1	K2 J	11	3747	A -11 2722
83		8.8A	45 22.989	-0.0009	15	-11 18 54.19	0.013	17	0.32	23.004	18	33.1	54.41	16	33.1	K2 J	11	3748	A -10 2923
84		8.6A	45 31.674	-0.0018	21	-14 42 7.26	-0.016	15	0.35	31.704	18	33.1	6.99	16	33.1	A0 J	12A	3954	A -14 2951
85		8.8A	45 33.066	-0.0024	17	-14 3 42.72	0.022	18	0.34	33.106	18	33.1	43.08	16	33.1	K2 J	11	3750	A -13 2953
86		8.5A	45 34.123	-0.0076	18	-12 19 36.36	-0.001	20	0.36	34.251	18	33.1	36.35	16	33.1	G0 J	11	3751	A -11 2724
87		9.1A	45 34.203	-0.0002	17	-11 7 50.78	-0.050	18	0.34	34.206	18	33.1	49.94	16	33.1	F5 J	11	3749	A -10 2925
88		8.8A	45 36.315	0.0012	15	-10 38 44.57	-0.071	17	0.32	36.293	18	33.1	43.37	16	33.1	G5 J	11	3752	A -10 2926
89		8.9A	45 39.798	0.0010	21	-15 11 12.29	-0.049	15	0.35	39.781	18	33.1	11.47	16	33.1	K0 J	12A	3955	A -14 2952
90		9.3A	45 40.890	-0.0010	21	-15 30 5.55	0.021	15	0.35	40.906	18	33.1	5.91	16	33.1	M0 J	12A	3956	A -15 2901
91		8.5A	45 43.381	-0.0029	18	-18 41 4.29	0.019	13	0.32	43.429	18	33.1	4.61	16	33.1	F5 J	12B	4386	A -18 2787
92		8.5A	45 44.835	0.0038	21	-18 8 35.33	-0.087	15	0.35	44.770	18	33.1	33.87	16	33.1	F0 J	12A	3957	A -17 2968
93		9.1A	45 46.238	-0.0011	18	-18 22 57.85	-0.015	13	0.32	46.256	18	33.1	57.60	16	33.1	K7 J	12B	4387	A -17 2969
94		8.8A	45 46.998	-0.0026	21	-15 47 49.19	-0.023	15	0.35	47.041	18	33.1	48.80	16	33.1	F0 J	12A	3958	A -15 2902
95		9.1A	45 49.751	0.0019	21	-17 36 37.43	-0.011	15	0.35	49.719	18	33.1	37.25	16	33.1	A5 J	12A	3960	A -17 2970
96		8.8A	45 53.790	-0.0020	18	-11 45 13.56	0.006	20	0.36	53.825	18	33.1	13.67	16	33.1	F5 J	11	3753	A -11 2725
97		9.0A	45 56.247	-0.0020	15	-13 16 57.91	0.006	17	0.32	56.281	18	33.1	58.02	16	33.1	A2 J	11	3754	A -12 2994
98		9.0A	46 1.321	-0.0008	15	-12 56 15.69	0.007	17	0.32	1.335	18	33.1	15.82	16	33.1	K7 J	11	3755	A -12 2996
99		8.8A	46 5.682	0.0004	15	-11 18 0.75	-0.034	17	0.32	5.676	18	33.1	0.18	16	33.1	K0 J	11	3756	A -10 2928
00		8.5A	46 9.053	0.0002	17	-19 43 38.04	0.051	13	0.31	9.050	18	33.1	38.91	16	33.1	K2 J	12B	4390	A -19 2830

155500

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.		SOURCE CAT.	STAR NUMBER	-10° 9H DM NUMBER
1		9.6A	9 46 13.349	-0.0032	21	-16 5 26.69	0.021	15	0.35	13.404	18	33.1	27.05	16	33.1	A2	J	12A	3961	A -15 2905
2		9.1A	46 14.666	-0.0026	21	-15 51 37.78	0.024	15	0.35	14.709	18	33.1	38.19	16	33.1	G0	J	12A	3962	A -15 2906
3		9.2A	46 16.027	-0.0013	21	-16 40 42.20	-0.006	15	0.35	16.049	18	33.1	42.10	16	33.1	K0	J	12A	3963	A -16 2891
4		9.2A	46 24.986	-0.0005	00	-19 35 38.95	0.001	13	0.23	24.995	18	33.1	38.97	16	33.1	K2	J	12B	4393	A -19 2832
5		7.8A	46 25.965	0.0010	18	-19 4 46.73	-0.000	00	0.27	25.949	18	33.1	46.73	16	33.1	K0	J	12B	4394	A -18 2792
6		9.0A	46 26.405	-0.0022	21	-16 38 43.97	-0.022	15	0.35	26.443	18	33.1	43.60	16	33.1	K0	J	12A	3965	A -16 2892
7		8.6A	46 26.410	0.0006	12	-10 19 56.67	-0.023	12	0.26	26.400	16	33.2	56.28	16	33.2	A0		16	3809	A -9 2931
8		9.0A	46 43.521	-0.0022	21	-17 20 54.91	0.015	15	0.35	43.558	18	33.1	55.17	16	33.1	K5	J	12A	3966	A -16 2893
9		8.2A	46 45.724	-0.0002	17	-19 24 46.11	-0.006	13	0.31	45.728	18	33.1	46.00	16	33.1	F2	J	12B	4398	A -18 2794
10		8.5A	46 45.931	-0.0010	21	-18 12 24.09	0.001	15	0.35	45.948	18	33.1	24.11	16	33.1	A2	J	12A	3967	A -17 2973
11		8.2A	46 46.054	0.0007	21	-18 15 41.92	0.025	15	0.35	46.042	18	33.1	42.35	16	33.1	K7	J	12A	3968	A -17 2974
12		9.2A	46 48.008	-0.0009	15	-13 12 5.44	0.010	15	0.30	48.023	18	33.1	5.62	16	33.1	M0	J	11	3758	A -12 3000
13		9.0A	47 0.283	-0.0020	15	-12 25 59.18	-0.001	15	0.30	0.317	18	33.1	59.17	16	33.1	G0	J	11	3760	A -12 3001
14		8.9A	47 0.946	-0.0066	12	-10 19 8.94	0.025	12	0.26	1.056	16	33.2	9.37	16	33.2	F8		16	3814K	A -9 2935
15		7.0T	47 6.987	-0.0037	14	-11 33 4.14	0.012	12	0.69	7.167	21	00.9	4.76	19	99.3	K2		GC	13530	-11 2731
16		8.6A	47 7.363	-0.0019	18	-18 5 8.10	-0.016	13	0.32	7.394	18	33.1	7.83	16	33.1	A5	J	12A	3969	A -17 2975
17		8.6A	47 12.851	-0.0022	21	-16 24 33.67	0.025	15	0.35	12.887	18	33.1	34.09	16	33.1	K2	J	12A	3970	A -15 2910
18		8.8A	47 21.031	0.0005	21	-16 47 51.57	0.016	15	0.35	21.022	18	33.1	51.84	16	33.1	K0	J	12A	3971	A -16 2895
19		8.5A	47 31.876	-0.0024	15	-12 33 51.99	-0.018	17	0.32	31.917	18	33.1	51.69	16	33.1	F5	J	11	3763	A -12 3002
20		8.9A	47 52.521	-0.0025	18	-15 8 1.76	-0.014	13	0.32	52.564	18	33.1	1.53	16	33.1	F0	J	12A	3972	A -14 2957
21		8.5A	47 52.669	-0.0014	13	-12 2 35.91	-0.020	15	0.30	52.692	18	33.1	35.57	16	33.1	F5	J	11	3764	A -11 2736
22		9.3A	47 59.588	-0.0011	21	-16 46 24.88	-0.010	15	0.35	59.607	18	33.1	24.72	16	33.1	F5	J	12A	3973	A -16 2897
23		8.7A	48 16.355	-0.0013	15	-12 4 14.92	0.000	18	0.33	16.377	18	33.1	14.92	16	33.1	K0	J	11	3765	A -11 2738
24		9.0A	48 26.812	-0.0005	17	-13 10 54.22	0.014	18	0.34	26.820	18	33.1	54.47	16	33.1	K0	J	11	3767	A -12 3003
25		8.2A	48 27.547	-0.0058	17	-11 30 5.91	-0.067	18	0.34	27.645	18	33.1	4.78	16	33.1	K2	J	11	3766	A -11 2740
26		8.5A	48 28.994	0.0001	17	-19 52 44.28	-0.030	13	0.31	28.992	18	33.1	43.78	16	33.1	K0	J	12B	4409	A -19 2842
27		9.2A	48 33.851	0.0008	18	-19 42 27.90	0.004	13	0.32	33.837	18	33.1	27.97	16	33.1	G0	J	12B	4411	A -19 2843
28		8.8A	48 35.519	-0.0051	15	-12 42 25.85	-0.038	15	0.30	35.606	18	33.1	25.22	16	33.1	G5	J	11	3769	A -12 3004
29		8.2A	48 35.953	-0.0020	21	-15 38 42.23	-0.015	15	0.35	35.987	18	33.1	41.98	16	33.1	K0	J	12A	3974	A -15 2916
30		10.0Q	48 39.547	0.0726	16	-12 4 29.60	-1.440	16	0.74	36.307	19	05.4	-24.23	19	04.6	M0		GC	13557	B*-11 2741
31		8.8A	48 42.621	-0.0020	15	-13 17 35.35	0.023	17	0.32	42.655	18	33.1	35.75	16	33.1	A2	J	11	3770	A -12 3005
32		8.6A	48 42.824	0.0001	12	-19 54 5.53	0.003	09	0.25	42.822	18	33.1	5.59	16	33.1	K5	J	12B	4413	A -19 2844
33		7.9A	48 46.657	-0.0071	18	-18 25 27.76	0.017	13	0.32	46.776	18	33.1	28.06	16	33.1	F5	J	12B	4414	A -17 2980
34		8.6A	48 49.531	0.0008	21	-14 27 6.94	0.032	15	0.35	49.516	18	33.1	7.48	16	33.1	F8	J	12A	3975	A -14 2960
35		9.0A	48 50.484	-0.0006	21	-16 30 31.44	-0.045	15	0.35	50.495	18	33.1	30.68	16	33.1	F0	J	12A	3977	A -16 2901
36		7.8A	48 50.671	0.0002	17	-13 29 32.29	-0.003	18	0.34	50.668	18	33.1	32.25	16	33.1	K0	J	11	3772	A -13 2963
37		8.9A	48 53.539	0.0001	17	-13 53 32.14	-0.008	18	0.34	53.537	18	33.1	32.00	16	33.1	K7	J	11	3773	A -13 2965
38		8.8A	49 1.866	-0.0047	21	-16 19 23.31	0.019	15	0.35	1.944	18	33.1	23.64	16	33.1	F5	J	12A	3978	A -15 2918
39		8.9A	49 2.304	-0.0020	17	-13 34 23.01	0.034	18	0.34	2.338	18	33.1	23.58	16	33.1	K0	J	11	3775	A -13 2966
40		9.1A	49 2.448	-0.0005	17	-12 40 57.07	-0.045	18	0.34	2.457	18	33.1	56.32	16	33.1	F2	J	11	3774	A -12 3007
41		9.0A	49 3.975	-0.0015	21	-17 20 37.20	0.003	15	0.35	4.002	18	33.1	37.25	16	33.1	K5	J	12A	3980	A -16 2902
42		4.3T	49 4.309	0.0011	03	-14 36 40.49	-0.031	03	0.14	4.263	06	08.1	39.14	06	05.9	K0		GC	13570	B*-14 2963
43		8.4A	49 9.386	0.0015	21	-15 8 56.60	0.000	15	0.35	9.360	18	33.1	56.61	16	33.1	K0	J	12A	3981	A -14 2964
44		7.9A	49 10.243	0.0001	17	-19 25 48.09	0.019	13	0.31	10.241	18	33.1	48.41	16	33.1	K0	J	12B	4417	A -18 2799
45		6.8T	49 14.475	0.0025	15	-11 6 15.32	-0.008	14	0.77	14.348	21	00.3	14.93	19	98.3	M0		GC	13572	-10 2940
46		9.2A	49 18.963	-0.0028	17	-11 3 32.77	-0.002	18	0.34	19.009	18	33.1	32.74	16	33.1	F8	J	11	3778	A -10 2942
47		9.0A	49 19.228	-0.0014	18	-19 13 22.46	-0.014	13	0.32	19.251	18	33.1	22.22	16	33.1	K0	J	12B	4419	A -18 2800
48		7.9A	49 24.391	-0.0000	17	-13 55 35.77	-0.031	18	0.34	24.391	18	33.1	35.24	16	33.1	K0	J	11	3779	A -13 2967
49		8.3A	49 28.540	-0.0031	13	-19 48 23.40	0.019	09	0.26	28.592	18	33.1	23.73	16	33.1	K2	J	12B	4420	A -19 2850
50		9.0A	49 28.846	-0.0053	21	-14 40 58.30	-0.021	15	0.35	28.935	18	33.1	57.95	16	33.1	K	J	12A	3982	A -14 2965
51		8.7A	9 49 29.464	-0.0009	17	-19 31 24.47	0.029	13	0.31	29.480	18	33.1	24.97	16	33.1	K0	J	12B	4421	A -19 2849
52		8.9A	49 35.484	-0.0020	18	-17 6 44.56	0.021	13	0.32	35.519	18	33.2	44.92	16	33.2	G0	J	12A	3983	A -16 2904
53		6.3T	49 36.305	0.0015	16	-16 17 54.94	-0.072	13	0.65	36.241	21	07.1	52.03	19	09.4	K0		GC	13580	-15 2920
54		8.6A	49 38.290	-0.0021	15	-13 31 6.92	-0.103	17	0.31	38.324	18	33.2	5.18	16	33.2	G5	J	11	3780	A -13 2968
55		8.9A	49 48.398	-0.0034	12	-10 19 30.15	-0.016	12	0.26	48.454	16	33.2	29.89	16	33.2	F8		16	3829	A -9 2946
56		9.2A	49 52.394	0.0001	21	-17 29 30.68	-0.017	15	0.35	52.393	18	33.2	30.40	16	33.2	K5	J	12A	3985	A -17 2985
57		9.0A	49 57.041	0.0003	21	-14 21 4.62	-0.004	15	0.35	57.036	18	33.2	4.55	16	33.2	K5	J	12A	3986	A -13 2969
58		8.8A	49 59.501	0.0033	21	-15 6 55.22	-0.008	15	0.35	59.445	18	33.2	55.09	16	33.2	K0	J	12A	3987	A -14 2970
59		8.4A	50 11.078	-0.0013	21	-17 11 39.32	-0.005	15	0.35	11.100	18	33.2	39.24	16	33.2	F0	J	12A	3988	A -16 2909
60		9.1A	50 16.448	-0.0008	18	-18 56 43.51	-0.032	13	0.32	16.461	18	33.2	42.97	16	33.2	F5	J	12B	4422	A -18 2803
61		8.6A	50 18.352	-0.0031	18	-16 8 43.03	0.065	13	0.32	18.403	18	33.2	44.12	16	33.2	F8	J	12A	3989	A -15 2921
62		9.2A	50 19.676	0.0004	18	-17 51 35.45	-0.058	13	0.32	19.668	18	33.2	34.49	16	33.2	K	J	12A	3990	A -17 2991
63		9.0A	50 23.131	-0.0001	21	-18 6 0.44	0.005	15	0.35	23.133	18	33.2	0.54	16	33.2	K0	J	12A	3991	A -17 2992
64		8.4A	50 27.750	-0.0081	21	-15 40 19.35	0.043	15	0.35	27.887	18	33.2	20.07	16	33.2	K2	J	12A	3992	A -15 2923
65		9.0A	50 30.660	0.0011	21	-18 2 4.23	0.000	15	0.35	30.640	18	33.2	4.24	16	33.2	F5	J	12A	3993	A -17 2993
66		8.6A	50 34.615	-0.0013	17	-12 55 37.06	-0.009	18	0.34	34.637	18	33.2	36.92	16	33.2	M3	J	11	3783	A -12 3012
67		8.8A	50 44.662	-0.0091	17	-13 18 21.06	0.001	18	0.34	44.815	18	33.2	21.08	16	33.2	G5	J	11	3784	A -12 3013
68		8.4A	50 45.565	-0.0089	17	-12 21 25.61	0.000	18	0.34	45.714	18	33.2	25.61	16	33.2	K0	J	11	3785	A -11 2752
69		8.7A	50 51.355	-0.0069	17	-13 42 40.67	0.039	18	0.34	51.414	18	33.2	41.35	16	33.2	F2	J	11	3786	A -13 2971
70		8.9A	50 54.466	-0.0021	17	-15 43 27.16	-0.017	12	0.30	54.500	18	33.2	26.88	16	33.2	K5	J	12A	3994	A -15 2924
71		8.8A	51 0.548	-0.0001	21	-15 30 42.15	0.003	15	0.35	0.550	18	33.2	42.20	16	33.2	M1	J	12A	3995	A -15 2925
72		7.6A	51 1.044	0.0009	18	-17 41 24.56	-0.017	13	0.32	1.029	18	33.2	24.28	16	33.2	M1	J	12A	3996	A -17 2994
73		8.9A	51 21.013	-0.0033	18	-17 15 22.05	0.008	13	0.32	21.069	18	33.2	22.19	16	33.2	A0	J	12A	3997	A -16 2915
74		9.1A	51 26.019	-0.0025	18	-12 24 2.68	0.058	20	0.36	26.062	18	33.2	3.66	16	33.2	K2	J	11	3787	A -11 2755
75		8.1A	51 28.585	-0.0014	12	-10 21 1.23	0.018	12	0.26	28.608	16	33.2	1.54	16	33.2	F5		16	3837	A -9 2956
76		9.0A	51 34.600	-0.0003	21	-14 24 20.63	-0.017	15	0.35	34.604	18	33.2	20.34	16	33.2	F2	J	12A	3998	A -13 2976
77		8.3A	51 35.932	0.0000	17	-19 35 31.92	-0.025	13	0.30	35.931	18	33.2	31.50	16	33.2	G5	J	12B	4430	A -19 2856
78		9.0A	51 44.333	0.0011	20	-13 58 14.66	0.009	20	0.37	44.315	18	33.2	14.80	16	33.2	K0	J	11	3790	A -13 2977
79		8.4A	51 46.370	-0.0022	21	-18 1 43.76	0.019	15	0.35	46.406	18	33.2	44.09	16	33.2	F2	J	12A	3999	A -17 2997
80		9.2A	51 58.793	-0.0029	21	-15 47 57.05	-0.004	15	0.35	58.841	18	33.2	56.98	16	33.2	G5	J	12A	4000	A -15 2927
81		8.8A	52 5.594	-0.0001	18	-15 47 5.10	0.003	13	0.32	5.596	18	33.2	5.15	16	33.2	G0	J	12A	4001	A -15 2928
82		7.0T	52 8.698	0.0028	12	-12 42 40.82	-0.243	11	0.59	8.567	17	03.6	29.01	17	01.3	F8		GC	13630	-12 3021
83		9.0A	52 9.740	0.0001	21	-17 7 10.50	0.035	15	0.35	9.739	18	33.2	11.09	16	33.2	K2	J	12A	4002	A -16 2917
84		8.7A	52 9.935	-0.0028	15	-11 49 14.89	-0.032	15	0.30	9.983	18	33.2	14.35	16	33.2	F8	J	11	3793K	A -11 2756
85		9.2A	52 15.638	-0.0013	21	-17 22 46.14	0.011	15	0.35	15.660	18	33.2	46.33	16	33.2	A3	J	12A	4003	A -16 2918
86		8.6A	52 16.496	-0.0099	15	-11 48 20.25	-0.182	18	0.33	16.663	18	33.2	17.20	16	33.2	G0	J	11	3794	A -11 2757
87		8.9A	52 26.433	-0.0009	21	-14 24 18.03	0.009	15	0.35	26.449	18	33.2	18.17	16	33.2	K5	J	12A	4004	A -13 2980
88		5.2H	52 30.602	-0.0036	02	-18 46 18.11	-0.042	02	0.07	30.712	03	19.3	16.92	04	21.8	M0		F4	373	-18 2810
89		9.0A	52 33.503	0.0041	15	-17 53 41.59	-0.070	11	0.28	33.433	18	33.2	40.43	16	33.2	G0	J	12A	4005	A -17 3003
90		8.8A	52 33.983	-0.0047	21	-16 31 14.55	-0.096	15	0.35	34.063	18	33.2	12.94	16	33.2	K0	J	12A	4006	A -16 2919
91		7.2A	52 35.948	-0.0006	20	-12 13 50.30	0.050	20	0.37	35.959	18	33.2	51.14	16	33.2	F0	J	11	3796	A -11 2758
92		6.7T	52 36.589	-0.0034	17	-15 57 24.25	0.028	15	0.81	36.756	22	00.9	25.64	18	00.7	G0		GC	13647K	-15 2929
93		7.6T	52 46.667	-0.0022	10	-10 47 48.88	0.005	08	0.50	46.781	18	99.0	49.17	15	96.9	K2		GC	13651	-10 2948
94		8.0A	53 7.313	-0.0023	20	-19 44 29.47	0.016	15	0.34	7.351	18	33.2	29.74	16	33.2	A0	J	12B	4439	A -19 2865
95		7.8A	53 12.627	-0.0000	21	-17 13 53.63	0.004	15	0.35	12.627	18	33.2	53.70	16	33.2	M2	J	12A	4008	A -16 2921
96		9.0A	53 21.268	-0.0212	15	-17 52 16.86	0.074	11	0.28	21.624	18	33.2	18.10	16	33.2	K2	J	12A	4009	A -17 3007
97		7.6A	53 22.326	-0.0022	18	-19 26 21.87	-0.004	13	0.32	22.363	18	33.2	21.80	16	33.2	A0	J	12B	4440	A -18 2814
98		8.6A	53 25.291	0.0023	17	-13 14 28.23	-0.029	18	0.34	25.253	18	33.2	27.75	16	33.2	G5	J	11	3798	A -12 3029
99		8.8A	53 27.249	0.0010	20	-11 0 40.75	0.008	20	0.37	27.232	18	33.2	40.89	16	33.2	K0	J	11	3799	A -10 2950
00		8.8A	53 32.373	-0.0001	18	-15 18 24.39	-0.005	13	0.32	32.374	18	33.2	24.31	16	33.2	G0	J	12A	4010	A -14 2980

155600

-10° 9H

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	EPOCH 1950 μ s	EPOCH 1950 σ_μ ″.001	EPOCH 1950 δ_{1950} ° ′ ″	EPOCH 1950 μ' ″	EPOCH 1950 $\sigma_{\mu'}$ ″.001	EPOCH 1950 σ_{1950} ″	ORIGINAL EPOCH α_2 s	ORIGINAL EPOCH σ ″.01	ORIGINAL EPOCH ep.	ORIGINAL EPOCH δ_2 ″	ORIGINAL EPOCH σ' ″.01	ORIGINAL EPOCH ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	DM NUMBER
1		9.0A	9 53 36.579	0.0006	17	-11 13 44.56	-0.061	18	0.34	36.568	18	33.2	43.54	16	33.2	G5 J	11	3800	A -10 2951
2		8.2A	53 38.745	-0.0015	20	-19 42 53.60	0.006	15	0.34	38.770	18	33.2	53.71	16	33.2	M1 J	12B	4446	A -19 2870
3		9.1A	53 43.380	-0.0001	21	-16 14 0.11	-0.008	15	0.35	43.383	18	33.2	59.98	16	33.2	A2 J	12A	4511	A -15 2932
4		8.2A	53 52.266	-0.0021	18	-19 28 29.04	-0.022	13	0.32	52.301	18	33.2	28.66	16	33.2	K0 J	12B	4447	A -19 2871
5		7.0T	54 5.560	-0.0012	20	-13 13 32.40	-0.018	18	0.85	5.610	19	07.3	31.61	19	05.7	K2	GC	13689	-12 3031
6		9.2A	54 11.399	-0.0012	21	-15 38 27.62	-0.011	15	0.35	11.420	18	33.2	27.44	16	33.2	K5 J	12A	4012	A -15 2936
7		8.4A	54 18.547	0.0029	12	-10 6 19.93	-0.010	12	0.26	18.498	16	33.2	19.76	16	33.2	K0	16	3851	A -9 2966
8		9.0A	54 20.795	-0.0006	21	-17 13 21.75	0.031	15	0.35	20.805	18	33.2	22.28	16	33.2	K2 J	12A	4013	A -16 2923
9		8.8A	54 23.559	-0.0000	15	-14 9 8.58	-0.007	17	0.31	23.559	18	33.2	8.46	16	33.2	K5 J	11	3802	A -13 2988
10		8.4A	54 28.883	-0.0063	15	-12 26 16.67	0.055	17	0.31	26.990	18	33.2	17.60	16	33.2	F8 J	11	3803	A -11 2765
11		9.1A	54 29.585	-0.0006	18	-15 40 5.05	0.013	13	0.32	29.596	18	33.2	5.27	16	33.2	K5 J	12A	4014	A -15 2937
12		8.2A	54 33.907	0.0002	21	-15 39 20.22	-0.065	15	0.35	33.903	18	33.2	19.13	16	33.2	F8 J	12A	4015	A -15 2938
13		9.1A	54 34.539	-0.0021	18	-18 25 20.40	0.001	13	0.32	34.574	18	33.2	20.42	16	33.2	K0 J	12B	4450	A -17 3015
14		8.7A	54 41.250	0.0010	21	-17 22 19.88	-0.024	15	0.35	41.274	18	33.2	19.48	16	33.2	K5 J	12A	4017	A -16 2924
15		9.1A	54 47.239	-0.0022	18	-15 38 41.48	-0.046	13	0.32	47.276	18	33.2	40.71	16	33.2	K0 J	12A	4018	A -15 2939
16		9.0A	54 49.514	-0.0039	21	-16 30 44.24	-0.009	15	0.35	49.580	18	33.2	44.09	16	33.2	F2 J	12A	4019	A -16 2926
17		9.0A	54 57.955	-0.0019	15	-14 6 25.27	0.027	17	0.31	57.988	18	33.2	25.72	16	33.2	F5 J	11	3804	A -13 2992
18		9.0A	54 59.057	0.0022	21	-15 19 29.09	0.011	15	0.35	59.021	18	33.2	29.28	16	33.2	A J	12A	4020	A -14 2984
19		9.4A	55 4.285	-0.0000	21	-17 11 55.46	-0.004	15	0.35	4.286	18	33.2	55.40	16	33.2	G0 J	12A	4021	A -16 2928
20		9.1A	55 7.300	-0.0041	17	-12 58 29.38	-0.030	18	0.34	7.368	18	33.2	28.89	16	33.2	K0 J	11	3805	A -12 3036
21		8.9A	55 11.728	-0.0003	21	-15 19 20.18	0.031	15	0.35	11.732	18	33.2	20.71	16	33.2	K5 J	12A	4022	A -14 2986
22		6.7T	55 16.033	0.0011	13	-16 16 57.94	-0.033	11	0.60	15.984	21	04.9	56.35	19	01.6	F0	GC	13714	-15 2942
23		8.8A	55 21.757	0.0013	21	-15 16 49.55	0.001	15	0.35	21.734	18	33.2	49.57	16	33.2	F0 J	12A	4024	A -14 2987
24		8.7A	55 24.721	0.0010	12	-10 35 15.36	-0.007	12	0.26	24.703	16	33.2	15.25	16	33.2	A0	16	3858	A -10 2957
25		9.1A	55 26.316	-0.0014	17	-12 33 35.77	0.030	18	0.34	26.340	18	33.2	36.28	16	33.2	F5 J	11	3807	A -12 3038
26		8.9A	55 35.679	0.0003	15	-10 43 8.68	0.016	15	0.30	35.674	18	33.2	8.95	16	33.2	K7 J	11	3808	A -10 2958
27		9.2A	55 41.152	0.0004	21	-15 42 32.29	0.008	15	0.35	41.146	18	33.2	32.43	16	33.2	K7 J	12A	4025	A -15 2944
28		8.0A	55 42.197	-0.0022	15	-12 53 23.99	0.007	17	0.31	42.234	18	33.2	24.12	16	33.2	K5 J	11	3809	A -12 3039
29		9.3A	56 1.881	-0.0028	21	-15 39 50.73	-0.002	15	0.35	1.927	18	33.2	50.70	16	33.2		12A	4026	A -15 2947
30		7.4A	56 5.198	0.0007	18	-13 42 5.52	-0.033	20	0.36	5.186	18	33.2	4.96	16	33.2	K5 J	11	3810	A -13 2996
31		9.0A	56 5.664	-0.0017	15	-13 3 50.37	-0.021	17	0.31	5.693	18	33.2	50.03	16	33.2	K J	11	3811	A -12 3041
32		8.8A	56 14.543	-0.0065	15	-10 50 3.41	0.012	15	0.30	14.652	18	33.2	3.62	16	33.2	F0 J	11	3812	A -10 2961
33		7.7A	56 26.089	-0.0031	15	-13 54 12.62	-0.004	17	0.31	26.141	18	33.2	12.55	16	33.2	A2 J	11	3813	A -13 2999
34		8.3A	56 44.522	-0.0039	21	-15 46 18.21	0.011	15	0.35	44.588	18	33.2	18.40	16	33.2	A0 J	12A	4027	A -15 2949
35		7.6A	56 48.254	-0.0039	15	-12 30 50.60	0.010	17	0.31	48.320	18	33.2	50.78	16	33.2	A0 J	11	3814	A -12 3045
36		8.3A	56 56.867	-0.0053	11	-19 55 59.70	-0.013	09	0.24	56.955	18	33.2	59.48	16	33.2	F8 J	12B	4461	A -19 2883
37		7.7A	56 57.317	-0.0017	15	-13 30 1.85	0.009	17	0.31	57.346	18	33.2	1.99	16	33.2	A2 J	11	3815	A -13 3001
38		9.0A	57 9.105	-0.0000	21	-14 42 54.95	-0.023	15	0.35	9.105	18	33.2	54.57	16	33.2	K2 J	12A	4028K	A -14 2992
39		8.3A	57 9.757	-0.0005	11	-10 27 42.53	-0.016	11	0.24	9.765	16	33.2	42.26	16	33.2	K5	16	3863	A -10 2965
40		8.7A	57 9.781	-0.0065	15	-10 49 38.42	-0.049	17	0.31	9.890	18	33.2	37.60	16	33.2	G0 J	11	3817	A -10 2966
41		9.0A	57 15.686	-0.0014	15	-13 14 25.43	-0.022	17	0.31	15.709	18	33.2	25.07	16	33.2	K7 J	11	3818	A -12 3046
42		9.2A	57 16.440	-0.0015	21	-16 0 17.65	0.004	15	0.35	16.465	18	33.2	17.72	16	33.2	G0 J	12A	4029	A -15 2951
43		9.2A	57 18.364	-0.0006	21	-14 19 48.10	0.009	15	0.35	18.375	18	33.2	48.25	16	33.2	K7 J	12A	4030	A -13 3003
44		8.0A	57 21.823	-0.0007	17	-18 25 28.27	-0.015	13	0.30	21.834	18	33.2	28.03	16	33.2	A2 J	12B	4463	A -17 3026
45		8.4A	57 25.400	-0.0023	21	-16 2 43.04	0.011	15	0.35	25.438	18	33.2	43.23	16	33.2	K5 J	12A	4032	A -15 2952
46		9.1A	57 43.562	0.0017	15	-11 6 38.45	0.057	17	0.31	43.533	18	33.2	39.41	16	33.2	F8 J	11	3820	A -10 2968
47		8.9A	57 46.404	-0.0031	21	-17 23 47.32	0.002	15	0.35	46.456	18	33.2	47.36	16	33.2	A2 J	12A	4033	A -16 2938
48		8.6A	57 53.256	-0.0006	21	-16 15 46.67	0.008	15	0.35	53.265	18	33.2	46.81	16	33.2	A2 J	12A	4034	A -15 2954
49		8.4A	57 59.401	0.0011	21	-17 35 21.64	-0.019	15	0.35	59.383	18	33.2	21.32	16	33.2	A0 J	12A	4036	A -17 3030
50		8.8A	57 59.811	0.0038	21	-16 3 13.19	-0.028	15	0.35	59.747	18	33.2	12.72	16	33.2	K0 J	12A	4035	A -15 2955
51		9.3A	9 58 0.708	-0.0013	18	-18 23 14.74	0.001	13	0.32	0.730	18	33.2	14.76	16	33.2	G0 J	12B	4468	A -17 3032
52		8.8A	58 7.843	-0.0003	15	-10 39 0.33	-0.025	16	0.33	7.848	18	33.2	-59.92	16	33.2	B8 J	11	3821	A -10 2972
53		8.9A	58 9.275	-0.0020	15	-13 22 44.04	-0.009	15	0.30	9.308	18	33.2	43.90	16	33.2	F5 J	11	3822	A -12 3049
54		8.9A	58 11.609	-0.0018	17	-11 54 13.94	0.032	18	0.34	11.638	18	33.2	14.48	16	33.2	K0 J	11	3823	A -11 2775
55		8.9A	58 17.200	0.0016	11	-10 8 59.81	-0.015	11	0.24	17.172	16	33.1	59.56	16	33.1	F5 R	16	3868	A -9 2973
56		9.2A	58 28.859	-0.0043	21	-15 40 44.41	-0.047	15	0.35	28.931	18	33.2	43.62	16	33.2	K2 J	12A	4038	A -15 2958
57		8.3A	58 33.950	-0.0000	15	-13 55 1.06	0.030	17	0.31	33.950	18	33.2	1.56	16	33.2	K2 J	11	3824	A -13 3008
58		8.7A	58 36.380	-0.0040	17	-13 58 27.58	0.018	16	0.34	36.312	18	33.2	27.88	16	33.2	G0 J	11	3825	A -13 3009
59		8.7A	58 40.382	-0.0013	15	-10 50 27.67	-0.010	17	0.31	40.403	18	33.2	27.51	16	33.2	K0 J	11	3826	A -10 2974
60		9.0A	58 49.672	0.0021	12	-10 30 42.02	-0.006	12	0.26	49.636	16	33.2	41.92	16	33.2	F5	16	3871	A -10 2976
61		8.6A	58 57.640	-0.0029	21	-15 12 46.03	0.014	15	0.35	57.688	18	33.2	46.27	16	33.2	A0 J	12A	4039	A -14 3002
62		8.6A	58 58.429	-0.0052	18	-19 25 56.91	0.019	13	0.32	58.516	18	33.2	57.22	16	33.2	A5 J	12B	4472	A -18 2827
63		8.9A	58 58.568	0.0001	15	-13 42 44.01	0.020	17	0.31	58.566	18	33.2	44.34	16	33.2	K5 J	11	3828	A -13 3010
64		9.0A	59 3.922	-0.0032	21	-17 7 28.84	0.013	15	0.35	3.975	18	33.2	29.06	16	33.2	A2 J	12A	4040	A -16 2942
65		8.4A	59 9.021	-0.0038	17	-18 17 54.06	0.000	13	0.30	9.084	18	33.2	54.07	16	33.2	A0 J	12B	4473	A -17 3037
66		8.8A	59 13.529	-0.0169	21	-15 11 1.51	0.040	15	0.35	13.813	18	33.2	2.19	16	33.2	K2 J	12A	4042	A -14 3003
67		8.2A	59 14.205	-0.0023	21	-17 5 29.22	0.002	15	0.35	14.244	18	33.2	29.26	16	33.2	K0 J	12A	4043	A -16 2943
68		7.9T	59 25.521	-0.0014	08	-12 39 25.79	-0.013	07	0.43	25.589	17	00.3	25.12	17	97.3	K0	GC	13783	-12 3055
69		8.6A	59 31.672	-0.0149	11	-10 9 46.29	-0.056	12	0.25	31.922	16	33.2	45.35	16	33.2	K2	16	3873	A -9 2975
70		7.8A	59 32.758	-0.0006	15	-14 9 4.11	0.003	17	0.31	32.767	18	33.2	4.15	16	33.2	K5 J	11	3830	A -13 3013
71		8.0A	59 37.526	0.0005	21	-17 45 3.32	0.011	15	0.35	37.517	18	33.2	3.51	16	33.2	K2 J	12A	4044	A -17 3038
72		8.1A	59 40.223	-0.0014	21	-14 47 13.79	-0.022	15	0.35	40.246	18	33.2	13.42	16	33.2	A0 J	12A	4045K	A -14 3005
73		7.5A	59 42.538	-0.0023	11	-10 11 19.75	-0.023	11	0.24	42.576	16	33.2	19.37	16	33.2	K0	16	3874	A -9 2976
74		9.0A	59 49.632	-0.0028	18	-19 31 29.17	0.006	13	0.32	49.678	18	33.2	29.27	16	33.2	F5 J	12B	4476	A -19 2895
75		8.5A	59 50.221	0.0010	21	-14 40 7.53	-0.010	15	0.35	50.204	18	33.2	7.37	16	33.2	K2 J	12A	4046	A -14 3007
76		8.9A	59 52.391	0.0007	18	-14 35 39.49	-0.015	13	0.32	52.378	18	33.2	39.24	16	33.2	K7 J	12A	4047	A -14 3008
77		8.8A	10 0 0.607	-0.0026	17	-18 48 29.04	-0.042	13	0.30	0.651	18	33.2	28.33	16	33.2	K7 J	12B	4479	A -18 2829
78		8.4A	0 3.327	-0.0005	18	-14 53 25.06	-0.033	13	0.32	3.336	18	33.2	24.51	16	33.2	G5 J	12A	4048	A -14 3010
79		8.6A	0 5.616	-0.0004	21	-15 46 27.26	0.019	15	0.35	5.622	18	33.2	27.58	16	33.2	A0 J	12A	4049	A -15 2966
80		7.0T	0 7.642	-0.0096	04	-13 3 17.35	0.017	04	0.25	8.115	10	00.5	18.25	10	98.4	F8	GC	13798	-12 3057
81		9.0A	0 12.382	-0.0043	21	-16 19 33.04	0.027	15	0.35	12.455	18	33.2	33.49	16	33.2	K7 J	12A	4050	A -15 2967
82		9.0A	0 12.607	-0.0001	15	-12 3 34.31	0.035	17	0.31	12.608	18	33.2	34.90	16	33.2	M0 J	11	3834	A -11 2781
83		9.2A	0 24.978	-0.0016	15	-11 9 46.19	0.013	17	0.31	25.005	18	33.2	46.41	16	33.2	G5 J	11	3835	A -10 2981
84		8.5A	0 27.603	-0.0001	15	-10 59 1.26	0.014	17	0.31	27.603	18	33.2	1.50	16	33.2	K0 J	11	3836	A -10 2982
85		9.2A	0 33.054	0.0044	21	-17 39 20.77	-0.065	15	0.35	32.980	18	33.2	19.68	16	33.2	F8 J	12A	4051	A -17 3039
86		8.6A	0 37.570	0.0018	17	-10 55 58.88	-0.012	18	0.34	37.540	18	33.2	58.68	16	33.2	G5 J	11	3837	A -10 2983
87		8.8A	0 37.721	-0.0013	15	-11 13 37.65	-0.003	17	0.31	37.742	18	33.2	37.60	16	33.2	A2 J	11	3838	A -10 2984
88		9.2A	0 45.076	0.0018	21	-16 54 7.07	-0.036	15	0.35	45.047	18	33.2	6.47	16	33.2	K0 J	12A	4052	A -16 2947
89		8.8A	0 50.641	-0.0001	21	-18 15 6.87	-0.007	15	0.35	50.642	18	33.2	6.76	16	33.2	K5 J	12A	4053	A -17 3042
90		9.0A	0 52.927	0.0016	17	-10 21 45.81	-0.010	18	0.34	52.900	18	33.2	45.65	16	33.2	F0 J	11	3839	A -9 2981
91		7.4A	0 53.634	-0.0024	12	-10 29 7.02	0.009	12	0.26	53.675	16	33.2	7.18	16	33.2	K0	16	3885	A -10 2985
92		8.4A	0 56.769	-0.0007	21	-16 56 23.37	-0.054	15	0.35	56.757	18	33.2	22.47	16	33.2	F2 J	12A	4054	A -16 2949
93		8.1A	0 58.070	-0.0010	15	-12 37 44.32	0.035	17	0.31	58.087	18	33.2	45.12	16	33.2	A2 J	11	3841	A -12 3062
94		9.4A	1 0.919	0.0007	21	-15 5 12.94	-0.046	15	0.35	0.907	18	33.2	12.17	16	33.2	K5 J	12A	4055	A -14 3012
95		7.5A	1 12.395	0.0008	15	-12 38 3.36	-0.036	15	0.30	12.382	18	33.2	2.77	16	33.2	K2 J	11	3842	A -12 3064
96		9.1A	1 15.942	-0.0041	21	-15 11 50.64	0.001	15	0.35	16.010	18	33.2	50.66	16	33.2	K7 J	12A	4056	A -14 3013
97		8.7A	1 33.036	-0.0024	15	-18 38 31.00	-0.004	11	0.28	33.076	18	33.2	30.93	16	33.2	A2 J	12B	4485	A -18 2832
98		9.2A	1 33.416	-0.0044	21	-18 15 6.24	0.016	15	0.35	33.490	18	33.2	6.52	16	33.2	G5 J	12A	4058	A -17 3045
99		9.3A	1 34.022	-0.0022	21	-17 2 1.04	0.008	15	0.35	34.059	18	33.2	1.18	16	33.2	K2 J	12A	4057	A -16 2954
00		8.7A	1 36.601	0.0046	12	-10 21 33.73	-0.039	12	0.26	36.523	16	33.2	33.07	16	33.2	G5	16	3891	A -9 2985

155700			EPOCH 1950								ORIGINAL EPOCH							SP.		SOURCE		-10° 10H
NUMBER	MAGNITUDES m_{pg}	m_v	α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	σ'_μ ″.001	σ_{1950} ″	α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.			CAT.	STAR NUMBER	DM NUMBER	
1		9.2A	10 1 38.125	-0.0054	18	-19 39 38.59	0.016	13	0.32	38.215	18	33.2	38.86	16	33.2	F5	J	12B	4487	A -19 2902	
2		8.0Q	1 38.287	-0.0013	12	-17 51 29.46	0.005	12	0.58	38.345	15	05.7	29.66	14	04.4	A0		GC	13838K	-17 3046	
3		8.9A	1 39.642	-0.0001	21	-15 24 20.97	0.011	15	0.35	39.640	18	33.2	21.16	16	33.2	M0	J	12A	4059	A -14 3016	
4		5.8T	1 39.795	-0.0010	07	-17 51 31.31	-0.007	04	0.27	39.836	10	09.0	30.99	10	01.4	A0		GC	13839K	-17 3047	
5		9.0A	1 42.595	-0.0040	21	-14 58 52.98	0.007	15	0.35	42.661	18	33.2	53.10	16	33.2	F8	J	12A	4062	A -14 3017	
6		9.0A	1 56.080	-0.0023	18	-19 11 53.87	-0.001	13	0.32	56.119	18	33.2	53.85	16	33.2	K0	J	12B	4488	A -18 2834	
7		8.2A	2 2.025	-0.0002	12	-10 15 49.96	-0.011	12	0.26	2.028	16	33.2	49.79	16	33.2	K5		16	3894	A -9 2988	
8		8.4A	2 3.661	-0.0013	16	-19 10 10.20	-0.013	15	0.33	3.683	18	33.2	9.97	16	33.2	A2	J	12B	4491	A -18 2835	
9		8.0Q	2 11.158	-0.0152	17	-11 29 11.00	-0.044	14	0.72	11.815	18	06.6	9.01	18	04.4	K0		GC	13851	-11 2787	
10		8.0A	2 12.583	0.0026	21	-17 41 46.02	-0.044	15	0.35	12.540	18	33.2	45.29	16	33.2	A2	J	12A	4063	A -17 3055	
11		9.2A	2 24.690	-0.0018	21	-17 57 51.66	-0.018	15	0.35	24.719	18	33.2	51.37	16	33.2	K0	J	12A	4064	A -17 3057	
12		8.8A	2 37.526	-0.0035	17	-11 43 39.52	-0.016	18	0.34	37.585	18	33.2	39.25	16	33.2	K	J	11	3845	A -11 2788	
13		4.7M	2 41.299	-0.0029	02	-12 49 17.50	0.010	01	0.06	41.406	03	12.9	17.86	03	12.1	B8		F4	1261	-12 3073	
14		8.4A	2 42.376	0.0012	20	-11 55 34.84	-0.011	20	0.37	42.356	18	33.2	34.66	16	33.2	K5	J	11	3847	A -11 2789	
15		8.4A	2 47.217	-0.0002	17	-16 42 35.59	-0.041	13	0.30	47.220	18	33.2	34.91	16	33.2	G5	J	12A	4065	A -16 2957	
16		8.5A	2 52.424	0.0009	17	-10 57 26.22	-0.009	18	0.34	52.409	18	33.2	26.07	16	33.2	F8	J	11	3848	A -10 2987	
17		8.8A	3 0.006	-0.0023	20	-12 44 8.17	-0.021	20	0.37	0.043	18	33.2	7.83	16	33.2	F5	J	11	3849	A -12 3074	
18		8.6A	3 1.445	0.0039	12	-10 13 33.22	-0.058	11	0.25	1.379	16	33.2	32.25	16	33.2	F8		16	3897	A -9 2990	
19		8.8A	3 10.419	-0.0015	17	-12 16 6.54	0.006	18	0.34	10.444	18	33.2	6.64	16	33.2	F0	J	11	3850	A -11 2794	
20		8.4A	3 10.607	-0.0024	20	-13 18 45.80	0.001	20	0.37	10.647	18	33.2	45.82	16	33.2	K0	J	11	3851	A -12 3075	
21		9.1A	3 20.152	0.0042	12	-10 26 34.54	-0.092	12	0.26	20.081	16	33.2	33.00	16	33.2	G0		16	3898	A -9 2992	
22		8.7A	3 23.598	0.0004	17	-11 46 24.40	-0.010	18	0.34	23.591	18	33.2	24.29	16	33.2	K	J	11	3853	A -11 2796	
23		9.0A	3 27.610	-0.0009	18	-14 33 59.68	-0.010	13	0.32	27.625	18	33.2	59.52	16	33.2	M0	J	12A	4066	A -14 3025	
24		9.1A	3 38.143	-0.0018	18	-19 32 21.31	0.007	13	0.32	38.172	18	33.2	21.43	16	33.2	F2	J	12B	4501	A -19 2909	
25		9.2A	4 5.757	0.0002	21	-16 15 5.24	-0.021	15	0.35	5.754	18	33.2	4.89	16	33.2	F0	J	12A	4067	A -15 2978	
26		8.6A	4 8.688	-0.0019	21	-16 5 39.84	-0.019	15	0.35	8.720	18	33.2	39.52	16	33.2	A0	J	12A	4068	A -15 2979	
27		9.2A	4 9.589	-0.0021	21	-16 46 34.62	-0.012	15	0.35	9.625	18	33.2	34.42	16	33.2	G0	J	12A	4069	A -16 2965	
28		8.9A	4 11.540	-0.0030	15	-10 50 45.58	-0.012	17	0.31	11.589	18	33.2	45.38	16	33.2	K0	J	11	3855	A -10 2991	
29		8.5A	4 12.934	-0.0055	15	-12 13 39.11	-0.023	17	0.31	13.027	18	33.2	38.73	16	33.2	F5	J	11	3856	A -11 2803	
30		8.5Q	4 15.708	0.0017	18	-19 3 45.07	0.007	22	0.85	15.641	21	10.6	45.35	22	09.5	G5		GC	13892K	-18 2844	
31		8.5Q	4 16.187	0.0024	20	-19 3 54.38	-0.022	32	1.03	16.096	22	12.0	53.53	22	11.5			GC	13893K	-18 2844	
32		8.9A	4 20.409	-0.0025	18	-16 33 10.81	0.007	13	0.32	20.452	18	33.2	10.93	16	33.2	F8	J	12A	4070	A -16 2967	
33		9.0A	4 28.782	-0.0014	17	-11 17 57.69	0.023	18	0.34	28.805	18	33.2	58.08	16	33.2	G5	J	11	3857	A -10 2992	
34		6.6T	4 30.125	-0.0025	18	-17 11 58.35	0.011	14	0.78	30.237	22	05.7	58.90	19	01.4	F0		GC	13897	-16 2969	
35		8.7A	4 30.250	-0.0167	15	-12 38 12.56	0.149	15	0.30	30.530	18	33.2	15.07	16	33.2	G5	J	11	3858	A -12 3083	
36		8.6A	4 37.831	-0.0023	17	-19 33 33.05	0.048	13	0.30	37.869	18	33.2	33.86	16	33.2	G5	J	12B	4508	A -19 2915	
37		8.9A	4 39.527	-0.0097	15	-11 4 11.47	0.044	15	0.30	39.689	18	33.2	12.21	16	33.2	K0	J	11	3859	A -10 2994	
38		8.6A	4 41.961	-0.0028	21	-17 14 23.59	0.014	15	0.35	42.008	18	33.2	23.83	16	33.2	F2	J	12A	4072	A -16 2973	
39		5.9T	4 45.496	0.0016	13	-16 53 45.84	-0.049	11	0.63	45.418	17	00.6	43.27	14	97.2	K2		GC	13902	-16 2974	
40		9.1A	4 45.774	-0.0018	21	-17 8 39.34	-0.012	15	0.35	45.804	18	33.2	39.14	16	33.2	M0	J	12A	4074	A -16 2975	
41		9.2A	4 50.744	-0.0028	11	-10 17 13.38	0.018	11	0.24	50.792	16	33.1	13.69	16	33.1	G0	R	16	3900	A -9 2998	
42		8.9A	4 53.187	-0.0007	15	-14 11 48.14	0.013	17	0.31	53.199	18	33.2	48.35	16	33.2	K7	J	11	3860	A -13 3034	
43		8.4A	4 54.999	-0.0024	21	-15 12 38.14	0.011	15	0.35	55.039	18	33.2	38.33	16	33.2	F0	J	12A	4075	A -14 3029	
44		7.5A	4 59.922	-0.0019	18	-19 27 50.72	0.017	13	0.32	59.954	18	33.2	51.00	16	33.2	A0	J	12B	4511K	A -19 2918	
45		9.0A	5 1.441	-0.0014	21	-16 11 2.26	-0.028	15	0.35	1.463	18	33.2	1.79	16	33.2	M2	J	12A	4076	A -15 2983	
46		8.8A	5 3.307	-0.0008	15	-12 58 2.68	-0.019	17	0.31	3.321	18	33.2	2.37	16	33.2	K0	J	11	3861	A -12 3085	
47		9.2A	5 12.046	-0.0033	21	-17 13 51.53	0.002	15	0.35	12.101	18	33.2	51.57	16	33.2	G0	J	12A	4077	A -16 2978	
48		8.7A	5 16.804	-0.0017	17	-13 55 12.19	-0.027	18	0.34	16.832	18	33.2	12.64	16	33.2	A2	J	11	3862	A -13 3036	
49		9.0A	5 17.152	-0.0029	21	-14 52 13.03	-0.004	15	0.35	17.200	18	33.2	12.97	16	33.2	A2	J	12A	4078	A -14 3032	
50		8.5A	5 21.402	-0.0016	17	-10 48 18.90	0.002	18	0.34	21.429	18	33.2	18.94	16	33.2	K0	J	11	3863	A -10 2995	
51		8.4A	10 5 28.941	-0.0028	18	-13 17 9.58	0.005	20	0.36	28.989	18	33.2	9.67	16	33.2	K0	J	11	3864	A -12 3089	
52		8.7A	5 32.209	-0.0012	15	-13 35 40.23	0.004	17	0.31	32.230	18	33.2	40.29	16	33.2	K2	J	11	3865	A -13 3037	
53		8.6A	5 44.843	-0.0015	17	-19 19 9.27	0.016	13	0.30	44.869	18	33.2	9.54	16	33.2	A2	J	12B	4515	A -18 2848	
54		9.1A	5 51.136	-0.0014	21	-14 52 3.72	-0.020	15	0.35	51.158	18	33.2	3.39	16	33.2	K7	J	12A	4079	A -14 3033	
55		9.2A	5 51.803	-0.0016	17	-13 10 7.92	0.029	18	0.34	51.831	18	33.2	8.42	16	33.2	G5	J	11	3866	A -12 3092	
56		8.9A	5 57.620	0.0007	21	-18 10 28.58	-0.023	15	0.35	57.608	18	33.2	28.21	16	33.2	F0	J	12A	4080	A -17 3068	
57		7.2T	5 59.492	-0.0089	15	-19 30 19.17	-0.333	12	0.65	59.891	19	05.2	3.31	18	02.3	G0		GC	13929K	B*-19 2926	
58		8.3Q	5 59.554	-0.0127	14	-10 52 13.73	0.027	13	0.65	+ 0.115	18	06.0	14.99	18	04.2	G5		GC	13930	-10 2998	
59		8.8A	6 4.714	-0.0035	17	-18 30 20.19	0.031	13	0.30	4.772	18	33.2	20.70	16	33.2	K2	J	12B	4519	A -18 2851	
60		9.0A	6 5.146	-0.0029	15	-13 49 42.35	-0.012	15	0.30	5.194	18	33.2	42.14	16	33.2	K2	J	11	3868	A -13 3039	
61		8.8A	6 7.661	-0.0083	17	-12 47 28.32	0.003	18	0.34	7.801	18	33.2	28.38	16	33.2	G0	J	11	3869	A -12 3094	
62		8.4A	6 8.428	-0.0024	15	-12 16 28.20	-0.064	17	0.31	8.469	18	33.2	27.14	16	33.2	K2	J	11	3870	A -11 2811	
63		6.2T	6 10.565	-0.0022	15	-15 21 59.15	0.009	12	0.64	10.659	19	07.2	59.57	18	03.5	A0		GC	13933	-14 3036	
64		9.0A	6 15.436	-0.0032	21	-18 15 30.04	-0.022	15	0.35	15.489	18	33.2	29.68	16	33.2	K2	J	12A	4083	A -17 3070	
65		6.5T	6 17.923	-0.0001	20	-10 38 20.92	-0.008	20	0.85	17.925	22	08.7	20.61	22	08.0	A0		GC	13935	-10 3000	
66		8.6A	6 22.154	-0.0021	17	-12 22 15.02	-0.052	18	0.34	22.190	18	33.2	14.16	16	33.2	A3	J	11	3872	A -11 2812	
67		8.9A	6 34.468	-0.0039	15	-11 17 28.40	0.028	17	0.31	34.533	18	33.2	28.87	16	33.2	K0	J	11	3873	A -10 3003	
68		8.0A	6 35.930	0.0054	17	-12 56 57.12	-0.085	18	0.34	35.840	18	33.2	55.70	16	33.2	K0	J	11	3874	A -12 3097	
69		7.5T	6 43.427	-0.0075	15	-15 14 45.02	-0.198	13	0.68	43.765	19	04.9	35.65	18	02.7	G5		GC	13945	-14 3039	
70		8.8A	6 47.270	0.0001	21	-17 56 25.20	-0.010	15	0.35	47.268	18	33.2	25.04	16	33.2	K0	J	12A	4085	A -17 3071	
71		7.1T	6 52.044	-0.0011	11	-17 53 34.10	-0.026	11	0.59	52.100	15	98.9	32.81	15	99.3	F2		GC	13948	-17 3072	
72		7.3T	6 56.450	-0.0037	20	-13 6 59.37	-0.010	17	0.82	56.606	21	07.4	58.95	19	05.4	M0		GC	13951	-12 3098	
73		7.2A	7 10.614	0.0028	18	-11 38 55.57	-0.039	20	0.36	10.567	18	33.2	54.92	16	33.2	K2	J	11	3876	A -11 2816	
74		8.5A	7 17.650	-0.0018	21	-14 30 58.85	-0.008	15	0.35	17.679	18	33.2	58.72	16	33.2	M2	J	12A	4087	A -14 3041	
75		9.0A	7 19.073	-0.0010	21	-18 1 10.02	-0.058	15	0.35	19.090	18	33.2	9.06	16	33.2	K0	J	12A	4088	A -17 3074	
76		8.9A	7 23.341	-0.0018	17	-19 43 37.54	0.001	13	0.30	23.372	18	33.2	37.56	16	33.2	K5	J	12B	4527	A -19 2931	
77		6.2T	7 29.334	-0.0007	13	-11 50 56.36	-0.041	14	0.67	29.364	21	03.8	54.46	19	03.0	A2		GC	13965	-11 2818	
78		9.1A	7 34.382	-0.0026	12	-10 36 57.33	0.000	12	0.26	34.425	16	33.2	57.33	16	33.2	F0		16	3914	A -10 3006	
79		8.1A	7 35.248	0.0005	17	-18 37 3.86	0.015	13	0.30	35.240	18	33.2	4.11	16	33.2	K2	J	12B	4529	A -18 2853	
80		5.4T	7 39.550	-0.0089	06	-12 34 5.24	-0.119	05	0.23	39.914	07	08.9	0.31	07	08.5	F0		GC	13970	B*-12 3101	
81		8.7A	7 50.849	-0.0034	11	-10 6 1.64	0.007	11	0.24	50.907	16	33.2	1.77	16	33.2	F0		16	3919	A -9 3012	
82		9.3A	7 55.459	-0.0033	18	-13 16 2.06	0.000	20	0.36	55.515	18	33.2	2.07	16	33.2	G5	J	11	3882	A -12 3103	
83		8.8A	8 6.149	-0.0012	21	-15 22 41.62	-0.005	15	0.35	6.169	18	33.2	41.54	16	33.2	A2	J	12A	4090	A -14 3044	
84		9.4A	8 8.094	-0.0039	21	-16 32 18.20	0.008	15	0.35	8.160	18	33.2	18.34	16	33.2	F5	J	12A	4091	A -16 2986	
85		3.8H	8 8.945	-0.0141	01	-12 6 22.55	-0.095	01	0.04	9.431	02	15.4	19.15	02	14.1	K0		F4	381	-11 2820	
86		7.1T	8 11.066	-0.0000	17	-18 21 25.04	-0.027	16	0.85	11.066	22	00.9	23.68	21	98.6	F0		GC	13983	-17 3078	
87		8.8A	8 12.721	-0.0010	18	-11 13 23.34	-0.021	20	0.36	12.738	18	33.2	22.99	16	33.2	G0	J	11	3884	A -10 3010	
88		9.0A	8 14.665	-0.0023	17	-13 35 1.44	0.033	16	0.34	14.703	18	33.2	1.99	16	33.2	K0	J	11	3885	A -13 3049	
89		8.7A	8 20.107	-0.0007	17	-18 28 15.49	0.005	13	0.30	20.119	18	33.2	15.58	16	33.2	K0	J	12B	4531	A -18 2856	
90		8.2A	8 20.411	0.0016	20	-12 36 54.24	0.001	20	0.37	20.384	18	33.2	54.26	16	33.2	F0	J	11	3886	A -12 3104	
91		7.8A	8 27.133	0.0004	21	-15 27 45.11	0.001	15	0.35	27.126	18	33.2	45.13	16	33.2	K2	J	12A	4094	A -14 3046	
92		9.0A	8 29.111	-0.0022	20	-13 31 7.64	0.031	20	0.37	29.148	18	33.2	8.15	16	33.2	F5	J	11	3887	A -13 3051	
93		8.0A	8 32.889	-0.0032	21	-16 41 2.69	-0.022	15	0.35	32.944	18	33.2	2.32	16	33.2	K0	J	12A	4095	A -16 2987	
94		9.0A	8 35.448	-0.0048	18	-19 42 33.66	-0.037	13	0.32	35.528	18	33.2	33.05	16	33.2	G5	J	12B	4533	A -19 2937	
95		9.0A	8 40.830	0.0007	18	-19 7 24.17	-0.009	13	0.32	40.818	18	33.2	24.01	16	33.2	K2	J	12B	4535	A -18 2860	
96		9.2A	8 44.834	0.0001	17	-14 11 53.42	0.006	18	0.34	44.833	18	33.2	53.51	16	33.2	A0	J	11	3888	A -13 3053	
97		8.4A	8 48.581	0.0008	16	-19 58 52.58	-0.011	13	0.32	48.567	18	33.2	52.40	16	33.2	K0	J	12B	4537	A -19 2939	
98		9.0A	8 48.626	-0.0007	21	-17 44 43.79	-0.032	15	0.35	48.637	18	33.2	43.27	16	33.2	A0	J	12A	4096	A -17 3082	
99		8.2A	8 53.590	-0.0019	21	-17 23 18.75	-0.014	15	0.35	53.623	18	33.2	18.52	16	33.2	G5	J	12A	4097	A -16 2989	
00		7.0T	8 55.807	0.0026	12	-18 42 32.64	-0.087	12	0.60	55.685	19	03.2	28.59	19	03.5	M0		GC	13998	-18 2861	

155800

EPOCH 1950 — ORIGINAL EPOCH — SOURCE — -10° 10H

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	CAT.	STAR NUMBER	DM NUMBER
1		9.3A	10 8 56.855	0.0024	18	-19 41 29.52	0.003	13	0.32	56.814	18	33.2	29.58	16	33.2	A3 J	12B	4539	A -19 2940
2		8.8A	8 57.218	-0.0007	21	-18 2 25.98	-0.026	15	0.35	57.228	18	33.2	25.55	16	33.2	K5 J	12A	4098	A -17 3083
3		8.6A	9 8.678	-0.0000	15	-14 1 37.35	0.022	17	0.31	8.678	18	33.2	37.71	16	33.2	K2 J	11	3889	A -13 3055
4		9.0A	9 8.836	-0.0039	18	-14 46 27.16	-0.006	13	0.32	8.901	18	33.2	27.06	16	33.2	F5 J	12A	4099	A -14 3049
5		9.3A	9 15.193	-0.0037	21	-15 10 35.09	-0.006	15	0.35	15.255	18	33.2	34.99	16	33.2	G0 J	12A	4100	A -14 3050
6		8.4A	9 31.915	-0.0066	17	-13 18 54.06	-0.024	18	0.34	32.026	18	33.2	53.67	16	33.2	F8 J	11	3890	A -12 3108
7		9.9A	9 37.693	0.0001	21	-16 41 35.17	-0.042	15	0.35	37.692	18	33.2	34.47	16	33.2	K0 J	12A	4101	A -16 2992
8		8.2A	9 48.843	-0.0004	21	-15 55 51.81	0.001	15	0.35	48.850	18	33.2	51.83	16	33.2	M0 J	12A	4102	A -15 3000
9		8.4A	9 49.895	-0.0100	15	-10 53 17.09	0.049	17	0.31	50.063	18	33.2	17.92	16	33.2	F8 J	11	3891	A -10 3020
10		8.3A	9 50.954	-0.0019	09	-10 4 25.98	0.014	09	0.22	50.987	16	33.2	26.22	16	33.2	M8	16	3927	A -9 3017
11		8.1G	9 52.239	-0.0003	07	-15 50 20.87	-0.001	06	0.38	52.255	15	97.5	20.83	14	97.2	A2	GC	14012K	B#-15 3001
12		8.4A	9 53.253	-0.0018	18	-19 18 17.67	-0.006	13	0.32	53.283	18	33.2	17.56	16	33.2	F5 J	12B	4548	A -18 2866
13		7.0T	9 58.297	-0.0027	26	-14 49 12.66	-0.003	22	1.01	58.406	22	09.7	12.55	22	08.0	A0	GC	14017	-14 3054
14		9.0A	9 58.840	-0.0001	21	-16 53 13.87	0.000	15	0.35	58.842	18	33.2	13.87	16	33.2	K5 J	12A	4106	A -16 2993
15		9.2A	10 2.970	-0.0155	21	-16 46 7.00	-0.021	15	0.35	3.231	18	33.2	6.65	16	33.2	G5 J	12A	4107	A -16 2994
16		8.3A	10 4.762	-0.0023	18	-15 38 30.34	-0.014	13	0.32	4.801	18	33.2	30.11	16	33.2	K5 J	12A	4108	A -15 3003
17		9.0A	10 6.507	-0.0029	17	-19 34 35.16	-0.009	12	0.30	6.555	18	33.2	35.01	16	33.2	A2 J	12B	4549	A -19 2947
18		9.1A	10 12.228	-0.0030	18	-19 6 24.47	-0.013	13	0.32	12.279	18	33.2	24.25	16	33.2	G0 J	12B	4550	A -18 2869
19		9.0A	10 14.044	0.0006	21	-15 27 33.26	-0.078	15	0.35	14.034	18	33.2	31.96	16	33.2	F8 J	12A	4109	A -14 3055
20		6.4T	10 15.438	-0.0169	12	-18 54 14.93	-0.121	11	0.60	16.229	19	03.2	8.90	18	00.2	F5	GC	14025	-18 2870
21		8.5A	10 18.175	-0.0029	15	-11 46 43.65	-0.013	17	0.31	18.224	18	33.2	43.44	16	33.2	F0 J	11	3892	A -11 2825
22		9.0A	10 20.952	0.0013	21	-14 22 17.82	0.028	15	0.35	20.930	18	33.2	18.28	16	33.2	G5 J	12A	4110	A -13 3059
23		8.8A	10 22.951	-0.0047	17	-10 57 14.28	0.026	18	0.34	23.029	18	33.2	14.72	16	33.2	K0 J	11	3894	A -10 3021
24		9.2A	10 26.344	-0.0024	21	-14 41 14.02	0.018	15	0.35	26.384	18	33.2	14.33	16	33.2	F0 J	12A	4111	A -14 3056
25		9.2A	10 28.653	-0.0003	21	-15 31 13.49	-0.009	15	0.35	28.659	18	33.2	13.34	16	33.2	K2 J	12A	4112	A -15 3007
26		7.1T	10 38.014	-0.0020	14	-19 26 29.07	0.012	12	0.69	38.110	21	01.8	29.69	18	98.4	K5	GC	14032	-18 2871
27		9.1A	10 53.063	-0.0006	18	-19 42 39.65	0.008	13	0.32	53.073	18	33.2	39.79	16	33.2	F5 J	12B	4554	A -19 2950
28		8.2A	10 53.350	-0.0043	21	-15 26 48.25	-0.020	15	0.35	53.422	18	33.2	47.92	16	33.2	A0 J	12A	4113	A -14 3059
29		9.2A	10 56.596	-0.0009	21	-18 16 17.84	-0.011	15	0.35	56.611	18	33.2	17.67	16	33.2	M0 J	12A	4114	A -17 3089
30		8.9A	11 10.070	-0.0010	15	-11 25 32.38	0.027	17	0.31	10.087	18	33.2	32.83	16	33.2	F5 J	11	3895	A -10 3025
31		8.9A	11 15.725	0.0014	15	-18 21 22.04	-0.068	12	0.28	15.701	18	33.2	20.91	16	33.2	G0 J	12B	4555	A -17 3091
32		8.7A	11 20.860	-0.0014	18	-18 55 35.89	-0.026	13	0.32	20.882	18	33.2	35.45	16	33.2	K2 J	12B	4556	A -18 2872
33		9.0A	11 24.439	-0.0013	21	-15 1 12.05	0.015	15	0.35	24.461	18	33.2	12.30	16	33.2	K0 J	12A	4116	A -14 3061
34		8.9A	11 37.000	-0.0042	13	-11 31 44.85	-0.015	15	0.29	37.071	18	33.2	44.61	16	33.2	G0 J	11	3896	A -11 2828
35		8.4A	11 37.764	-0.0039	21	-14 28 38.33	-0.008	15	0.35	37.829	18	33.2	38.19	16	33.2	A2 J	12A	4117	A -14 3062
36		9.0A	11 49.994	-0.0013	21	-17 39 8.20	0.036	15	0.35	50.015	18	33.2	8.82	16	33.2	K0 J	12A	4118	A -17 3094
37		8.3A	11 52.521	-0.0038	15	-12 20 8.42	0.026	17	0.31	52.564	18	33.2	8.86	16	33.2	F0 J	11	3898	A -11 2829
38		8.8A	12 11.670	-0.0036	15	-13 18 32.50	-0.026	17	0.31	11.730	18	33.2	32.07	16	33.2	G5 J	11	3899	A -12 3119
39		8.9A	12 15.213	-0.0010	17	-14 1 41.90	0.006	18	0.34	15.229	18	33.2	41.99	16	33.2	G5 J	11	3900	A -13 3065
40		8.8A	12 20.079	-0.0026	17	-13 42 27.64	0.014	18	0.34	20.123	18	33.2	27.87	16	33.2	K2 J	11	3901	A -13 3066
41		9.0A	12 23.618	-0.0025	21	-17 52 7.70	-0.012	15	0.35	23.660	18	33.2	7.51	16	33.2	F5 J	12A	4120	A -17 3099
42		9.0A	12 23.860	-0.0022	17	-11 51 14.12	0.007	18	0.34	23.897	18	33.2	14.24	16	33.2	F0 J	11	3902	A -11 2832
43		9.0A	12 27.929	-0.0066	17	-13 13 4.45	-0.005	18	0.34	28.041	18	33.2	4.38	16	33.2	F2 J	11	3904	A -12 3121
44		7.5A	12 28.334	0.0016	17	-11 45 50.16	-0.022	18	0.34	28.308	18	33.2	49.80	16	33.2	F5 J	11	3903	A -11 2833
45		9.0A	12 31.715	-0.0026	21	-14 42 53.45	-0.022	15	0.35	31.758	18	33.2	53.08	16	33.2	F8 J	12A	4121	A -14 3066
46		8.7A	12 34.734	0.0020	17	-13 32 51.68	-0.013	18	0.34	34.700	18	33.2	51.46	16	33.2	M1 J	11	3905	A -13 3067
47		9.0A	12 35.359	-0.0035	21	-14 47 34.01	-0.008	15	0.35	35.417	18	33.2	33.88	16	33.2	K0 J	12A	4122	A -14 3067
48		9.0A	12 36.812	-0.0018	18	-12 24 12.94	-0.037	20	0.36	36.842	18	33.2	12.33	16	33.2	F8 J	11	3906	A -11 2834
49		7.7A	12 45.285	-0.0036	17	-11 32 27.30	0.002	18	0.34	45.346	18	33.2	27.34	16	33.2	A0 J	11	3907	A -11 2835
50		8.1A	13 10.368	0.0008	17	-10 56 17.27	-0.041	18	0.34	10.355	18	33.2	16.58	16	33.2	F0 J	11	3908	A -10 3027
51		8.2A	10 13 10.444	-0.0058	18	-18 41 7.44	-0.008	13	0.32	10.541	18	33.2	7.30	16	33.2	F2 J	12B	4565	A -18 2879
52		8.8A	13 16.723	0.0024	18	-19 35 33.44	-0.082	13	0.32	16.682	18	33.2	32.07	16	33.2	K0 J	12B	4566	A -19 2960
53		9.1A	13 26.717	0.0027	18	-14 2 3.49	-0.049	20	0.36	26.671	18	33.2	2.66	16	33.2	G0 J	11	3909	A -13 3071
54		8.7A	13 39.888	0.0018	15	-11 13 0.73	-0.007	17	0.31	39.858	18	33.2	0.62	16	33.2	A3 J	11	3910	A -10 3028
55		6.2T	13 41.172	-0.0012	12	-10 57 13.18	0.002	11	0.67	41.238	21	97.1	13.31	18	93.1	K0	GC	14092	-10 3029
56		8.6A	13 43.987	-0.0020	18	-18 27 54.63	-0.009	13	0.32	44.020	18	33.2	54.48	16	33.2	K0 J	12B	4568	A -17 3103
57		8.4A	13 49.461	-0.0037	18	-17 10 12.21	-0.013	13	0.32	49.524	18	33.2	11.99	16	33.2	K2 J	12A	4125	A -16 3004
58		8.2A	13 51.190	-0.0035	21	-15 53 32.78	0.020	15	0.35	51.248	18	33.2	33.12	16	33.2	K0 J	12A	4126	A -15 3018
59		9.1A	13 52.911	0.0001	18	-19 24 57.27	-0.023	13	0.32	52.909	18	33.2	56.88	16	33.2	G0 J	12B	4569	A -18 2883
60		8.8A	14 0.963	0.0022	21	-16 31 34.23	-0.007	15	0.35	0.927	18	33.2	34.12	16	33.2	K2 J	12A	4127	A -16 3008
61		9.1A	14 8.453	-0.0023	17	-14 8 19.52	0.021	18	0.34	8.491	18	33.2	19.86	16	33.2	F5 J	11	3912	A -13 3073
62		6.6T	14 9.476	-0.0019	10	-19 3 30.53	-0.014	09	0.39	9.550	09	11.2	29.99	09	11.5	A2	GC	14116	-18 2885
63		9.1A	14 10.645	-0.0039	11	-10 28 7.19	0.009	11	0.24	10.711	16	33.2	7.34	16	33.2	G0	16	3945	A -10 3030
64		9.3A	14 13.346	-0.0005	21	-15 37 7.20	0.007	15	0.35	13.354	18	33.2	7.32	16	33.2	A2 J	12A	4128	A -15 3020
65		8.6A	14 19.486	-0.0009	12	-10 31 21.64	0.002	12	0.26	19.500	16	33.2	21.68	16	33.2	A5	16	3948	A -10 3031
66		7.7A	14 19.870	-0.0013	15	-12 50 57.96	-0.012	17	0.31	19.892	18	33.2	57.77	16	33.2	G5 J	11	3915	A -12 3129
67		8.4A	14 20.465	-0.0046	17	-11 28 33.38	-0.046	18	0.34	20.542	18	33.2	32.61	16	33.2	F5 J	11	3916	A -11 2838
68		8.7A	14 20.882	-0.0082	21	-18 3 41.31	0.013	15	0.35	21.020	18	33.2	41.53	16	33.2	F5 J	12A	4129	A -17 3106
69		9.3A	14 36.573	-0.0063	21	-16 4 5.36	-0.018	15	0.35	36.678	18	33.2	5.06	16	33.2	G0 J	12A	4130	A -15 3022
70		8.9A	14 39.838	-0.0000	17	-14 0 6.58	-0.000	18	0.34	39.838	18	33.2	6.57	16	33.2	F8 J	11	3917	A -13 3076
71		8.5A	14 44.579	-0.0022	15	-11 52 33.36	0.002	17	0.31	44.617	18	33.2	33.40	16	33.2	K5 J	11	3918	A -11 2841
72		9.1A	14 54.830	0.0017	21	-17 26 32.21	-0.068	15	0.35	54.802	18	33.2	31.07	16	33.2	G0 J	12A	4131	A -17 3110
73		9.0A	14 57.753	0.0008	17	-14 9 22.61	-0.015	18	0.34	57.739	18	33.2	22.35	16	33.2	F5 J	11	3919	A -13 3080
74		8.7A	15 6.991	0.0004	18	-19 14 36.57	-0.036	13	0.32	6.983	18	33.2	35.96	16	33.2	K0 J	12B	4577	A -18 2889
75		8.8A	15 12.733	0.0003	21	-17 17 10.58	-0.006	15	0.35	12.728	18	33.2	10.48	16	33.2	K2 J	12A	4132	A -16 3013
76		9.0A	15 13.008	-0.0013	21	-18 13 0.05	-0.002	15	0.35	13.029	18	33.2	0.03	16	33.2	K5 J	12A	4133	A -17 3112
77		7.8A	15 16.319	-0.0019	15	-11 49 42.19	-0.019	17	0.31	16.350	18	33.2	41.88	16	33.2	A2 J	11	3920	A -11 2843
78		8.5A	15 24.028	-0.0005	18	-13 16 35.20	-0.011	20	0.36	24.036	18	33.2	35.02	16	33.2	K0 J	11	3921	A -12 3132
79		9.2A	15 31.185	-0.0016	18	-18 42 17.97	-0.012	13	0.32	31.211	18	33.2	17.77	16	33.2	F5 J	12B	4581	A -18 2890
80		9.1A	15 31.913	-0.0009	11	-10 12 41.56	-0.013	11	0.24	31.927	16	33.2	41.34	16	33.2	F8	16	3959	A -9 3040
81		9.0A	15 42.328	-0.0007	17	-13 5 21.86	-0.013	18	0.34	42.339	18	33.2	21.65	16	33.2	G0 J	11	3922	A -12 3135
82		7.0T	15 56.729	0.0039	18	-13 3 11.52	-0.029	14	0.72	56.563	19	07.9	10.28	18	06.6	G5	GC	14146	-12 3136
83		9.3A	15 58.192	-0.0010	15	-13 5 55.47	-0.032	17	0.31	58.210	18	33.2	54.94	16	33.2	F	J 11	3924	A -12 3137
84		8.7A	15 59.213	-0.0019	15	-11 25 29.38	0.013	17	0.31	59.245	18	33.2	29.60	16	33.2	F5 J	11	3925	A -10 3034
85		9.0A	16 1.919	0.0042	15	-11 27 28.30	-0.090	17	0.31	1.849	18	33.2	26.79	16	33.2	G5 J	11	3926	A -10 3035
86		9.3A	16 14.916	0.0000	21	-17 17 29.64	-0.003	15	0.35	14.916	18	33.2	29.59	16	33.2	M J	12A	4134	A -16 3015
87		7.7T	16 32.055	-0.0009	18	-10 55 56.03	-0.139	16	0.81	32.098	19	04.6	49.46	18	02.6	G0	GC	14159	-10 3037
88		8.8A	16 33.767	0.0000	21	-17 51 12.06	-0.022	15	0.35	33.766	18	33.2	11.70	16	33.2	F2 J	12A	4135	A -17 3116
89		8.6A	16 35.458	0.0004	15	-11 28 16.98	0.022	17	0.31	35.450	18	33.2	17.35	16	33.2	F8 J	11	3928	A -10 3038
90		8.6A	16 39.740	0.0001	17	-12 1 23.42	-0.016	17	0.33	39.738	18	33.2	23.15	16	33.2	K5 J	11	3929	A -11 2849
91		8.6A	16 41.011	-0.0027	21	-15 4 29.33	-0.015	15	0.35	41.056	18	33.2	29.08	16	33.2	A5 J	12A	4136	A -14 3086
92		6.7A	16 44.829	-0.0043	12	-10 29 54.07	-0.017	12	0.26	44.901	16	33.2	53.79	16	33.2	F2	16	3964	A -10 3039
93		8.3A	16 48.490	-0.0028	17	-11 7 35.06	-0.073	18	0.34	48.537	18	33.2	35.84	16	33.2	G5 J	11	3931	A -10 3040
94		6.2T	16 49.454	-0.0013	13	-12 16 35.52	-0.025	11	0.67	49.518	19	99.1	34.23	18	97.4	F0	GC	14166:	-11 2851
95		8.9A	16 51.870	0.0008	17	-10 44 12.31	-0.052	18	0.34	51.856	18	33.2	11.44	16	33.2	K0 J	11	3933	A -10 3041
96		9.9A	16 54.563	-0.0003	18	-17 10 8.31	-0.023	13	0.32	54.569	18	33.2	7.93	16	33.2	G5 J	12A	4137	A -16 3017
97		8.8A	16 55.208	-0.0040	12	-10 38 27.21	-0.050	12	0.26	55.277	16	33.2	26.37	16	33.2	K2	16	3965	A -10 3042
98		8.9A	16 56.173	-0.0034	21	-17 13 22.32	-0.030	15	0.35	56.230	18	33.2	21.82	16	33.2	G5 J	12A	4138	A -16 3018
99		8.6A	17 0.149	-0.0032	17	-18 31 59.64	0.022	13	0.30	0.202	18	33.2	0.01	16	33.2	K2 J	12B	4589	A -18 2894
00		9.1A	17 2.190	-0.0011	18	-19 45 51.97	0.010	13	0.32	2.209	18	33.2	52.14	16	33.2	A3 J	12B	4590	A -19 2976

155900			EPOCH 1950									ORIGINAL EPOCH							SP.	SOURCE		-10° 10H
NUMBER	MAGNITUDES m_{pg}	m_v	α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.		CAT.	STAR NUMBER	DM NUMBER
1		9.1A	10 17 38.820	-0.0008	17	-12 50 35.67	-0.001	18	0.34	38.833	18	33.2	35.66	16	33.2	K7 J	11	3935	A -12 3141
2		9.4A	17 39.015	-0.0087	17	-13 40 27.05	0.032	18	0.34	39.160	18	33.2	27.58	16	33.2	K5 J	11	3936	A -13 3090
3		8.8A	17 43.167	0.0012	17	-13 13 16.62	-0.025	18	0.34	43.147	18	33.2	16.21	16	33.2	K0 J	11	3937	A -12 3142
4		8.8A	17 44.927	-0.0015	17	-11 57 26.25	-0.006	18	0.34	44.952	18	33.2	26.15	16	33.2	K0 J	11	3938	A -11 2857
5		9.1A	17 52.300	-0.0007	18	-12 45 42.07	0.021	20	0.36	52.313	18	33.2	42.43	16	33.2	F8 J	11	3939	A -12 3143
6		8.5A	17 55.035	-0.0047	18	-13 32 8.74	0.010	20	0.36	55.114	18	33.2	8.90	16	33.2	K0 J	11	3940	A -13 3092
7		8.8A	17 55.198	-0.0219	17	-11 54 4.50	0.023	18	0.34	55.565	18	33.2	4.89	16	33.2	G5 J	11	3941	A -11 2858
8		8.9A	17 56.634	-0.0007	17	-12 56 18.55	-0.005	18	0.34	56.647	18	33.2	18.48	16	33.2	K2 J	11	3942	A -12 3144
9		8.7A	18 1.533	-0.0080	15	-11 56 16.56	0.122	17	0.31	1.668	18	33.2	18.61	16	33.2	F8 J	11	3943	A -11 2860
10		8.7A	18 1.717	0.0013	17	-16 27 55.05	-0.007	12	0.30	1.695	18	33.2	54.93	16	33.2	K5 J	12A	4140	A -15 3029
11		9.4A	18 2.495	0.0006	18	-17 1 45.95	-0.033	13	0.32	2.485	18	33.2	45.40	16	33.2	G0 J	12A	4141	A -16 3025
12		9.0A	18 4.922	-0.0008	17	-18 42 35.23	0.009	13	0.30	4.935	18	33.2	35.37	16	33.2	A5 J	12B	4599	A -18 2900
13		8.8A	18 5.189	-0.0032	15	-14 13 20.44	0.016	17	0.31	5.242	18	33.2	20.70	16	33.2	G5 J	11	3944	A -13 3094
14		9.1A	18 6.944	-0.0137	20	-10 32 55.18	-0.055	20	0.37	7.173	18	33.2	54.26	16	33.2	G5 J	11	3945	A -10 3043
15		9.3A	18 18.897	-0.0012	18	-17 0 47.04	-0.016	13	0.32	18.918	18	33.2	46.77	16	33.2	A5 J	12A	4145	A -16 3026
16		9.0A	18 18.937	-0.0024	21	-14 20 42.63	-0.061	15	0.35	18.976	18	33.2	41.60	16	33.2	G5 J	12A	4144	A -13 3095
17		9.0A	18 22.238	-0.0122	17	-13 28 10.46	0.006	18	0.34	22.443	18	33.2	10.57	16	33.2	K2 J	11	3948	A -13 3096
18		7.3A	18 22.615	-0.0113	17	-18 47 58.41	0.084	13	0.30	22.804	18	33.2	59.81	16	33.2	F8 J	12B	4600	A -18 2902
19		7.0T	18 24.751	-0.0158	13	-15 13 55.70	0.275	12	0.62	25.476	17	04.1	9.18	17	01.0	F8	GC	14202	B*-14 3093
20		6.5T	18 43.307	-0.0039	14	-17 43 56.07	-0.033	12	0.70	43.495	24	01.8	54.39	21	98.3	F5	GC	14209	-17 3129
21		8.9A	18 45.752	-0.0007	21	-17 20 36.37	-0.136	15	0.35	45.765	18	33.2	34.09	16	33.2	G5 J	12A	4148	A -16 3028
22		6.6T	18 47.894	-0.0018	14	-13 32 1.44	0.015	12	0.73	47.985	22	98.9	2.23	21	95.8	A2	GC	14214	-13 3097
23		9.0A	18 53.200	-0.0342	21	-16 47 52.63	0.124	15	0.35	53.774	18	33.2	54.72	16	33.2	G5 J	12A	4149	A -16 3030
24		9.4A	18 56.561	-0.0030	21	-17 0 39.93	-0.003	15	0.35	56.612	18	33.2	39.86	16	33.2	A2 J	12A	4150	A -16 3031
25		9.1A	19 1.737	0.0016	17	-12 50 17.88	0.000	18	0.34	1.710	18	33.2	17.89	16	33.2	G5 J	11	3950	A -12 3145
26		9.2A	19 5.756	-0.0013	17	-11 14 47.20	-0.021	18	0.34	5.778	18	33.2	46.85	16	33.2	A5 J	11	3951	A -10 3045
27		9.3A	19 8.566	0.0033	21	-16 24 7.81	0.008	15	0.35	8.510	18	33.2	7.95	16	33.2	F8 J	12A	4151	A -15 3035
28		8.9A	19 12.709	-0.0014	17	-12 42 47.37	-0.024	18	0.34	12.733	18	33.2	46.98	16	33.2	K0 J	11	3952	A -12 3146
29		8.6A	19 16.823	-0.0023	21	-14 56 52.41	0.004	15	0.35	16.862	18	33.2	52.48	16	33.2	K5 J	12A	4152	A -14 3097
30		9.3A	19 18.679	-0.0015	21	-15 23 54.40	-0.006	15	0.35	18.705	18	33.2	54.30	16	33.2	F8 J	12A	4153	A -14 3098
31		7.0T	19 34.746	-0.0011	14	-17 46 55.18	-0.033	12	0.69	34.800	21	01.3	53.52	18	98.8	B5	GC	14239	-17 3133
32		9.4A	19 41.303	-0.0005	17	-10 59 49.45	-0.025	18	0.34	41.311	18	33.2	49.04	16	33.2	A3 J	11	3953	A -10 3047
33		9.1A	19 41.647	-0.0034	17	-11 3 47.45	0.012	18	0.34	41.704	18	33.2	47.65	16	33.2	K2 J	11	3954	A -10 3046
34		6.8T	19 43.773	-0.0014	18	-13 9 25.05	-0.029	16	0.83	43.837	19	02.9	23.69	19	02.5	B9	GC	14241	-12 3147
35		6.1T	19 49.335	-0.0025	12	-19 36 50.37	-0.006	10	0.52	49.444	19	06.6	50.10	19	02.9	A0	GC	14244	-19 2987
36		8.6A	19 50.731	-0.0012	17	-13 25 20.04	0.013	18	0.34	50.750	18	33.2	20.27	16	33.2	K0 J	11	3956	A -12 3148
37		9.0A	19 56.241	-0.0033	15	-12 10 38.64	-0.010	17	0.31	56.296	18	33.2	38.48	16	33.2	K0 J	11	3957	A -11 2867
38		9.4A	19 58.136	0.0002	21	-17 14 39.13	-0.027	15	0.35	58.134	18	33.2	38.68	16	33.2	G0 J	12A	4155	A -16 3035
39		9.2A	20 3.129	-0.0006	21	-17 20 3.44	-0.002	15	0.35	3.139	18	33.2	3.41	16	33.2	A5 J	12A	4156	A -16 3036
40		9.2A	20 18.752	-0.0005	21	-15 48 19.41	0.010	15	0.35	18.759	18	33.2	19.58	16	33.2	F5 J	12A	4157	A -15 3042
41		8.2A	20 22.283	0.0014	18	-19 10 47.74	-0.007	13	0.32	22.260	18	33.2	47.62	16	33.2	K2 J	12B	4612	A -18 2914
42		8.6A	20 31.490	-0.0017	15	-11 1 39.83	-0.019	17	0.31	31.518	18	33.2	39.51	16	33.2	K2 J	11	3958	A -10 3051
43		9.1A	20 34.488	-0.0021	18	-19 0 30.10	-0.003	13	0.32	34.523	18	33.2	30.04	16	33.2	M0 J	12B	4613	A -18 2915
44		9.3A	20 35.665	0.0005	17	-16 35 25.14	-0.009	15	0.29	35.657	18	33.2	24.99	16	33.2	K2 J	12A	4158	A -16 3038
45		9.0A	20 37.343	-0.0011	21	-15 54 58.71	-0.019	15	0.35	37.362	18	33.2	58.39	16	33.2	K0 J	12A	4159	A -15 3043
46		8.8A	20 46.653	0.0011	18	-19 28 33.20	-0.018	13	0.32	46.635	18	33.2	32.89	16	33.2	K0 J	12B	4615	A -18 2917
47		6.5T	20 50.827	-0.0090	12	-13 7 23.42	-0.045	12	0.63	51.253	19	02.5	21.27	18	01.8	F8	GC	14265K	B*-12 3150
48		8.9A	20 57.921	-0.0006	18	-15 59 2.08	-0.015	13	0.32	57.930	18	33.2	1.83	16	33.2	K2 J	12A	4160	A -15 3044
49		9.0A	21 0.333	-0.0017	12	-10 4 52.20	0.003	12	0.26	0.362	16	33.1	52.25	16	33.1	K2 R	16	3980	A -9 3058
50		8.1A	21 7.482	-0.0125	15	-12 14 1.43	0.044	17	0.31	7.692	18	33.2	2.18	16	33.2	G5 J	11	3960	A -11 2871
51		9.0A	10 21 13.223	-0.0035	21	-17 5 26.56	0.005	15	0.35	13.283	18	33.2	26.65	16	33.2	K0 J	12A	4161	A -16 3040
52		8.4A	21 15.294	-0.0056	18	-19 59 2.89	-0.005	13	0.32	15.388	18	33.2	2.81	16	33.2	A2 J	12B	4617	A -19 2994
53		9.0A	21 27.468	-0.0039	21	-15 0 37.14	-0.020	15	0.35	27.533	18	33.2	36.81	16	33.2	K2 J	12A	4162	A -14 3109
54		8.6A	21 31.430	-0.0012	15	-13 4 2.22	-0.018	17	0.31	31.451	18	33.2	1.92	16	33.2	K2 J	11	3961	A -12 3154
55		8.7A	21 35.270	-0.0025	15	-13 24 50.55	-0.007	17	0.31	35.313	18	33.2	50.44	16	33.2	K0 J	11	3962	A -12 3155
56		9.4A	21 40.694	-0.0051	21	-16 5 10.67	-0.002	15	0.35	40.780	18	33.2	10.64	16	33.2	F5 J	12A	4164	A -15 3046
57		9.1A	21 41.135	-0.0025	15	-10 43 35.33	-0.016	17	0.31	41.176	18	33.2	35.07	16	33.2	K0 J	11	3963	A -10 3054
58		9.0A	21 43.990	-0.0027	18	-19 31 39.01	0.005	13	0.32	44.035	18	33.2	39.10	16	33.2	K0 J	12B	4621	A -19 2999
59		9.0A	21 47.514	-0.0023	17	-19 9 50.46	0.014	13	0.30	47.553	18	33.2	50.69	16	33.2	K5 J	12B	4622	A -18 2923
60		8.5A	21 47.550	-0.0017	21	-17 10 45.13	0.006	15	0.35	47.579	18	33.2	45.23	16	33.2	K0 J	12A	4165	A -16 3045
61		9.0A	21 52.062	-0.0015	21	-14 22 3.37	-0.002	15	0.35	52.088	18	33.2	3.33	16	33.2	F8 J	12A	4166	A -13 3108
62		9.0A	21 57.817	-0.0033	15	-12 50 44.24	-0.052	17	0.31	57.874	18	33.2	43.38	16	33.2	G5 J	11	3966	A -12 3158
63		6.9A	22 2.689	-0.0002	15	-19 43 13.96	-0.006	11	0.28	2.692	18	33.2	13.87	16	33.2	K0 J	12B	4623	A -19 3001
64		8.3A	22 12.430	-0.0032	18	-18 50 18.55	-0.041	13	0.32	12.483	18	33.2	17.86	16	33.2	F5 J	12B	4625	A -18 2927
65		7.0Q	22 21.495	-0.0000	13	-18 23 24.32	-0.060	11	0.84	21.495	29	83.6	20.43	24	84.6	PE	GC	14298	-17 3140
66		9.4A	22 33.039	-0.0024	21	-16 19 16.66	-0.016	15	0.35	33.079	18	33.2	16.39	16	33.2	A0 J	12A	4168	A -15 3051
67		8.5A	22 51.858	-0.0052	18	-19 32 54.85	-0.041	13	0.32	51.946	18	33.2	54.17	16	33.2	G5 J	12B	4628	A -19 3005
68		9.0A	22 55.593	-0.0122	21	-14 46 22.61	0.058	15	0.35	55.798	18	33.2	23 59.16	16	33.2	G5 J	12A	4169	A -14 3116
69		9.0A	22 56.121	0.0011	15	-12 52 18.19	-0.007	17	0.31	56.102	18	33.2	18.08	16	33.2	K0 J	11	3967	A -12 3160
70		7.3A	23 0.336	-0.0003	17	-12 30 29.88	-0.014	18	0.34	0.340	18	33.2	29.65	16	33.2	G5 J	11	3968	A -12 3161
71		9.1A	23 5.584	-0.0017	21	-15 11 33.49	0.014	15	0.35	5.612	18	33.2	33.73	16	33.2	G0 J	12A	4170	A -14 3117
72		9.0A	23 10.691	-0.0009	21	-16 29 50.73	-0.029	15	0.35	10.705	18	33.2	50.25	16	33.2	M3 J	12A	4171	A -16 3050
73		7.0A	23 11.999	-0.0051	18	-19 20 42.59	-0.006	13	0.32	12.085	18	33.2	42.48	16	33.2	A0 J	12B	4630	A -18 2930
74		9.2A	23 13.183	-0.0016	21	-15 38 20.32	-0.006	15	0.35	13.209	18	33.2	20.22	16	33.2	F5 J	12A	4172	A -15 3054
75		9.2A	23 21.812	0.0040	15	-11 45 24.51	-0.003	17	0.31	21.745	18	33.2	24.46	16	33.2	K2 J	11	3969	A -11 2877
76		8.8A	23 22.641	-0.0026	21	-18 10 50.52	-0.002	15	0.35	22.685	18	33.2	50.47	16	33.2	A2 J	12A	4173	A -17 3145
77		7.8A	23 24.564	-0.0053	15	-12 52 42.90	0.018	17	0.31	24.654	18	33.2	43.21	16	33.2	F2 J	11	3970	A -12 3162
78		8.5A	23 32.917	-0.0062	21	-16 23 5.45	0.006	15	0.35	33.020	18	33.2	5.55	16	33.2	F5 J	12A	4174	A -15 3055
79		9.1A	23 38.642	0.0001	18	-19 32 13.88	-0.025	13	0.32	38.641	18	33.2	13.46	16	33.2	F8 J	12B	4633	A -19 3008
80		4.1H	23 40.213	-0.0092	01	-16 34 49.56	-0.083	01	0.05	40.552	02	13.0	46.49	02	13.2	K5	F4	389	-16 3052
81		9.2A	23 42.902	-0.0008	21	-14 42 48.76	-0.001	15	0.35	42.915	18	33.2	48.75	16	33.2	F8 J	12A	4176	A -14 3119
82		8.6A	23 54.058	-0.0077	21	-17 29 36.53	-0.051	15	0.35	54.187	18	33.2	35.68	16	33.2	G5 J	12A	4177	A -17 3146
83		8.7A	23 55.438	0.0010	17	-11 49 19.77	-0.017	18	0.34	55.422	18	33.2	19.49	16	33.2	K0 J	11	3971	A -11 2880
84		8.8A	24 4.773	-0.0030	21	-17 26 20.49	-0.048	15	0.35	4.823	18	33.2	19.69	16	33.2	A J	12A	4178	A -16 3056
85		9.3A	24 6.038	-0.0036	18	-15 32 59.25	-0.016	13	0.32	6.097	18	33.2	58.95	16	33.2	F8 J	12A	4179	A -15 3059
86		8.8A	24 6.606	-0.0006	21	-17 31 27.07	-0.026	15	0.35	6.615	18	33.2	26.63	16	33.2	A2 J	12A	4180	A -17 3147
87		8.8A	24 15.277	-0.0066	21	-16 6 54.84	0.107	15	0.35	15.387	18	33.2	56.64	16	33.2	G5 J	12A	4181	A -15 3060
88		9.0A	24 25.285	-0.0031	15	-13 52 19.95	0.011	17	0.31	25.337	18	33.2	20.13	16	33.2	K2 J	11	3972	A -13 3119
89		8.7A	24 30.078	0.0007	21	-17 21 21.22	-0.034	15	0.35	30.066	18	33.2	20.65	16	33.2	K2 J	12A	4182	A -16 3057
90		8.8A	24 37.655	-0.0037	17	-12 4 57.10	-0.033	18	0.34	37.717	18	33.2	56.55	16	33.2	G5 J	11	3973	A -11 2881
91		9.3A	24 40.683	-0.0018	18	-16 38 32.82	-0.034	13	0.32	40.713	18	33.2	32.25	16	33.2	F2 J	12A	4183	A -16 3059
92		8.6A	24 43.270	-0.0021	21	-16 0 4.43	0.019	15	0.35	43.305	18	33.2	4.75	16	33.2	K0 J	12A	4184	A -17 3150
93		8.4A	24 54.295	-0.0008	21	-17 9 37.94	0.053	15	0.35	54.309	18	33.2	38.03	16	33.2	K0 J	12A	4185	A -16 3060
94		7.1T	25 0.361	-0.0017	12	-18 1 52.30	0.000	13	0.69	0.450	22	97.4	52.33	21	97.4	A0	GC	14360	-17 3153
95		9.1A	25 4.750	-0.0003	21	-16 39 0.86	-0.029	15	0.35	4.755	18	33.2	0.38	16	33.2	K2 J	12A	4187	A -16 3061
96		9.5A	25 14.774	0.0015	21	-15 12 43.77	-0.080	15	0.35	14.749	18	33.2	42.43	16	33.2	G5 J	12A	4188	A -14 3123
97		9.2A	25 17.973	0.0003	17	-18 59 15.15	-0.020	13	0.30	17.967	18	33.2	14.81	16	33.2	F5 J	12B	4644	A -18 2936
98		9.1A	25 18.218	-0.0106	21	-17 2 26.24	0.000	15	0.35	18.396	18	33.2	26.24	16	33.2	G0 J	12A	4189	A -16 3063
99		8.9A	25 20.695	-0.0074	18	-18 49 25.42	0.002	13	0.32	20.819	18	33.2	25.45	16	33.2	G0 J	12B	4645	A -18 2937
00		8.0A	25 23.964	-0.0059	18	-15 39 44.66	-0.020	13	0.32	24.063	18	33.2	44.33	16	33.2	G5 J	12A	4190	A -15 3062

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NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ_s s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	SOURCE CAT.	STAR NUMBER	-10° 10H DM NUMBER
1		8.8A	10 25 28.393	-0.0021	18	-18 48 0.58	-0.009	15	0.33	28.427	18	33.2	0.73	16	33.2	K0 J	12B	4646	A -18 2938
2		9.4A	25 46.275	0.0006	21	-16 49 43.30	-0.021	15	0.35	46.264	18	33.2	42.95	16	33.2	A0 J	12A	4191	A -16 3064
3		8.0A	25 47.989	-0.0057	21	-16 2 4.36	-0.098	15	0.35	48.083	18	33.2	6.01	16	33.2	G5 J	12A	4192	A -15 3063
4		9.1A	26 5.422	0.0007	21	-15 53 59.64	0.028	15	0.35	5.409	18	33.2	0.11	16	33.2	K2 J	12A	4193	A -15 3065
5		6.9T	26 12.366	0.0012	13	-19 16 7.43	-0.051	11	0.60	12.311	18	04.5	4.96	15	01.6	K0 GC		14392	-18 2943
6		8.3A	26 19.306	-0.0047	15	-14 12 34.59	-0.033	17	0.31	19.384	18	33.2	34.03	16	33.2	K2 J	11	3974	A -13 3129
7		9.1A	26 30.350	0.0030	21	-15 53 29.57	-0.007	15	0.35	30.300	18	33.2	29.46	16	33.2	K2 J	12A	4194	A -15 3066
8		8.8A	26 35.054	-0.0009	15	-12 1 3.64	0.000	17	0.31	35.069	18	33.2	3.64	16	33.2	K0 J	11	3975	A -11 2885
9		8.7A	26 36.666	0.0008	13	-13 32 36.53	-0.005	15	0.29	36.652	18	33.2	36.44	16	33.2	K5 J	11	3976	A -13 3130
10		8.3A	26 39.649	-0.0008	15	-12 10 43.81	-0.033	17	0.31	39.663	18	33.2	43.27	16	33.2	K0 J	11	3977	A -11 2886
11		9.2A	26 43.844	-0.0037	21	-15 30 58.17	-0.014	15	0.35	43.907	18	33.2	57.93	16	33.2	F2 J	12A	4195	A -15 3067
12		9.0A	26 49.439	-0.0000	18	-18 19 24.96	-0.036	13	0.32	49.439	18	33.2	24.36	16	33.2	G5 J	12B	4658	A -17 3160
13		9.2A	26 52.747	-0.0067	21	-16 52 28.47	0.023	15	0.35	52.859	18	33.2	28.86	16	33.2	K5 J	12A	4197	A -16 3065
14		8.6A	26 58.591	-0.0011	15	-14 0 22.12	-0.017	17	0.31	58.610	18	33.2	21.63	16	33.2	A2 J	11	3978	A -13 3131
15		8.9A	26 59.872	0.0057	18	-19 9 37.12	-0.056	13	0.32	59.777	18	33.2	36.18	16	33.2	K0 J	12B	4659	A -18 2947
16		9.4A	27 0.980	-0.0027	21	-17 7 47.00	-0.019	15	0.35	1.026	18	33.2	46.68	16	33.2	G0 J	12A	4198	A -16 3067
17		8.8A	27 8.773	-0.0123	21	-17 59 16.04	0.002	15	0.35	8.979	18	33.2	16.09	16	33.2	G5 J	12A	4199	A -17 3161
18		8.6A	27 29.147	-0.0022	17	-18 40 48.24	-0.000	13	0.30	29.184	18	33.2	48.23	16	33.2	K2 J	12B	4663	A -18 2949
19		9.1A	27 43.183	-0.0008	21	-14 21 25.64	0.006	15	0.35	43.197	18	33.2	25.73	16	33.2	K5 J	12A	4200	A -13 3135
20		8.5A	27 46.373	-0.0023	21	-16 25 4.67	-0.044	15	0.35	46.411	18	33.2	3.93	16	33.2	K2 J	12A	4201	A -15 3069
21		9.1A	27 47.382	-0.0019	15	-10 45 12.21	-0.074	17	0.31	47.413	18	33.2	10.97	16	33.2	K5 J	11	3980	A -10 3071
22		8.2A	27 50.972	-0.0022	17	-11 52 33.33	0.010	18	0.34	51.009	18	33.2	33.50	16	33.2	A0 J	11	3981	A -11 2889
23		9.1A	27 51.712	-0.0015	18	-11 18 40.81	-0.019	20	0.36	51.737	18	33.2	40.49	16	33.2	K5 J	11	3982	A -10 3072
24		9.0A	27 52.579	-0.0082	18	-17 36 18.40	0.035	13	0.32	52.716	18	33.2	18.99	16	33.2	F8 J	12A	4203	A -17 3164
25		9.0A	27 52.631	-0.0005	18	-17 25 1.42	-0.021	13	0.32	52.639	18	33.2	1.07	16	33.2	K7 J	12A	4202	A -16 3071
26		8.8A	27 57.061	0.0089	18	-19 36 20.05	-0.120	13	0.32	56.912	18	33.2	18.04	16	33.2	F8 J	12B	4667	A -19 3029
27		7.5A	28 3.974	-0.0024	11	-10 33 4.78	0.005	11	0.24	4.016	16	33.2	4.86	16	33.2	K5	16	4002	A -10 3073
28		9.0A	28 22.141	-0.0006	17	-19 50 50.81	-0.015	13	0.30	22.151	18	33.2	50.56	16	33.2	A0 J	12B	4670	A -19 3034
29		5.5T	28 32.298	-0.0034	06	-13 19 52.36	0.003	06	0.28	32.441	10	07.6	52.51	12	05.1	B9 GC		14444	B*-12 3181
30		8.5A	28 36.932	0.0014	18	-11 30 9.07	0.022	20	0.36	36.910	18	33.2	9.44	16	33.2	F8 J	11	3985	A -11 2893
31		8.4A	28 37.468	-0.0006	17	-18 41 17.14	0.008	13	0.30	37.478	18	33.2	17.27	16	33.2	K0 J	12B	4672	A -18 2954
32		8.9A	28 38.682	-0.0040	21	-17 19 26.21	-0.003	15	0.35	38.750	18	33.2	26.16	16	33.2	G0 J	12A	4204	A -16 3072
33		9.2A	28 50.566	0.0008	21	-18 9 30.58	-0.010	15	0.35	50.552	18	33.2	30.42	16	33.2	A0 J	12A	4205	A -17 3166
34		8.7A	28 54.669	-0.0049	18	-12 50 36.13	0.016	20	0.36	54.752	18	33.2	36.41	16	33.2	F8 J	11	3986	A -12 3184
35		9.4A	28 59.038	-0.0019	21	-14 19 13.20	0.005	15	0.35	59.069	18	33.2	13.28	16	33.2	G5 J	12A	4206	A -13 3138
36		8.7A	29 7.266	-0.0030	21	-16 49 9.60	-0.026	15	0.35	7.317	18	33.2	9.16	16	33.2	K0 J	12A	4207	A -16 3075
37		6.9T	29 10.956	-0.0021	18	-14 37 41.10	-0.017	14	0.71	11.041	22	09.7	40.38	21	06.7	A0 GC		14458	-14 3134
38		8.6A	29 30.198	-0.0007	11	-10 5 50.55	0.013	11	0.24	30.210	16	33.2	50.77	16	33.2	K5	16	4008	A -9 3095
39		8.9A	29 31.165	-0.0024	18	-18 52 37.38	-0.014	13	0.32	31.204	18	33.2	37.14	16	33.2	A0 J	12B	4680	A -18 2956
40		7.4T	29 32.517	0.0033	18	-11 9 56.31	-0.032	16	0.88	32.359	22	01.3	54.68	19	98.6	F2 GC		14470	-10 3076
41		8.7A	29 32.997	-0.0016	18	-11 56 31.16	-0.005	20	0.36	33.023	18	33.2	31.08	16	33.2	K0 J	11	3990	A -11 2898
42		9.0A	29 33.870	-0.0060	21	-18 3 16.92	-0.019	15	0.35	33.970	18	33.2	16.59	16	33.2	K0 J	12A	4211	A -17 3170
43		9.3A	29 36.786	-0.0016	21	-17 36 4.97	0.028	15	0.35	36.813	18	33.2	5.45	16	33.2	K2 J	12A	4212	A -17 3171
44		8.9A	29 36.898	-0.0048	18	-11 28 36.59	-0.002	20	0.36	36.978	18	33.2	36.56	16	33.2	F5 J	11	3991	A -10 3078
45		8.9A	29 45.184	-0.0006	18	-19 23 42.12	0.039	13	0.32	45.194	18	33.2	42.77	16	33.2	G0 J	12B	4682	A -18 2957
46		8.3A	29 59.008	0.0002	18	-14 7 58.87	0.013	20	0.36	59.005	18	33.2	59.08	16	33.2	K2 J	11	3992	A -13 3143
47		7.6T	30 15.125	-0.0010	06	-16 41 58.73	-0.082	09	0.28	15.167	12	06.8	54.23	12	01.0	G5 GC		14490	-16 3078
48		9.1A	30 15.319	-0.0027	18	-14 14 41.19	0.045	20	0.36	15.364	18	33.2	41.95	16	33.2	K2 J	11	3993	A -13 3144
49		8.4A	30 18.940	-0.0081	15	-18 56 34.05	-0.055	11	0.28	18.804	18	33.2	33.13	16	33.2	F8 J	12B	4684	A -18 2960
50		8.8A	30 20.561	-0.0012	15	-12 51 35.09	-0.039	17	0.31	20.582	18	33.2	34.43	16	33.2	F8 J	11	3994	A -12 3192
51		9.1A	10 30 25.372	-0.0014	09	-10 2 57.02	-0.009	09	0.22	25.395	16	33.2	56.87	16	33.2	F8	16	4013	A -9 3097
52		9.1A	30 28.618	-0.0007	17	-19 47 23.99	0.014	13	0.30	28.629	18	33.2	24.22	16	33.2	M0 J	12B	4685	A -19 3042
53		8.9A	30 34.616	-0.0035	15	-13 45 21.53	0.006	17	0.31	34.674	18	33.2	21.64	16	33.2	G0 J	11	3995	A -13 3145
54		9.2A	30 37.882	-0.0022	21	-15 33 36.46	-0.016	15	0.35	37.919	18	33.2	36.20	16	33.2	A2 J	12A	4214	A -15 3077
55		8.6A	30 39.084	-0.0019	21	-14 29 41.06	-0.011	15	0.35	39.115	18	33.2	40.88	16	33.2	K0 J	12A	4215	A -14 3138
56		8.7A	30 43.855	-0.0018	15	-11 31 52.93	0.012	17	0.31	43.885	18	33.2	53.13	16	33.2	G5 J	11	3997	A -11 2904
57		6.9T	30 44.732	-0.0029	10	-13 8 45.92	-0.011	10	0.58	44.892	22	94.9	45.31	21	94.3	K0 GC		14503	-12 3194
58		9.1A	30 49.246	-0.0003	21	-18 1 33.43	0.020	15	0.35	49.252	18	33.2	33.77	16	33.2	K2 J	12A	4216	A -17 3175
59		8.7A	30 53.461	-0.0019	17	-12 12 11.65	0.024	18	0.34	53.494	18	33.2	12.06	16	33.2	K5 J	11	3999	A -11 2906
60		8.7A	30 55.554	-0.0002	11	-10 32 16.27	-0.026	11	0.24	55.557	16	33.2	15.84	16	33.2	A3P	16	4016	A -10 3083
61		8.7A	31 3.516	-0.0005	17	-10 39 55.41	-0.026	18	0.34	3.524	18	33.2	54.98	16	33.2	A5 J	11	4001	A -10 3084
62		8.5A	31 6.149	-0.0010	18	-19 55 22.89	-0.025	13	0.32	6.166	18	33.2	22.47	16	33.2	F0 J	12B	4691	A -19 3044
63		9.6A	31 21.809	-0.0062	21	-15 35 22.33	-0.010	15	0.35	21.913	18	33.2	22.16	16	33.2	F8 J	12A	4217	A -15 3078
64		8.5A	31 26.310	-0.0114	21	-17 34 6.73	-0.032	15	0.35	26.501	18	33.2	6.20	16	33.2	G5 J	12A	4218	A -17 3177
65		8.7A	31 31.756	-0.0024	21	-17 32 51.27	-0.042	15	0.35	31.797	18	33.2	50.57	16	33.2	M0 J	12A	4219	A -17 3179
66		8.2A	31 41.998	-0.0028	20	-11 0 52.07	-0.039	20	0.37	42.045	18	33.2	51.42	16	33.2	K2 J	11	4002	A -10 3085
67		8.8A	31 49.670	-0.0013	18	-13 51 5.86	-0.022	20	0.36	49.649	18	33.2	5.50	16	33.2	F8 J	11	4004	A -13 3156
68		8.9A	31 50.551	-0.0014	15	-11 35 59.32	-0.034	17	0.31	50.574	18	33.2	58.75	16	33.2	K5 J	11	4003	A -11 2911
69		8.7A	31 57.308	0.0027	15	-11 0 16.15	-0.046	17	0.31	57.262	18	33.2	15.38	16	33.2	F0 J	11	4005	A -10 3086
70		9.1A	32 6.334	-0.0006	17	-19 33 8.28	-0.038	13	0.30	6.344	18	33.2	7.64	16	33.2	K5 J	12B	4695	A -19 3050
71		8.6A	32 7.501	-0.0018	18	-10 51 50.22	-0.147	20	0.36	7.530	18	33.2	47.76	16	33.2	K0 J	11	4006	A -10 3089
72		9.4Q	32 8.202	-0.0000	16	-12 42 2.88	-0.064	16	0.68	8.202	21	10.7	-59.42	21	08.6	K5 GC		14531	-12 3202
73		9.2A	32 11.607	-0.0035	21	-14 19 42.11	-0.047	15	0.35	11.665	18	33.2	41.33	16	33.2	G0 J	12A	4220	A -13 3158
74		9.0A	32 18.217	-0.0024	21	-14 26 51.07	0.001	15	0.35	18.257	18	33.2	51.09	16	33.2	K5 J	12A	4221	A -13 3159
75		8.9A	32 21.425	0.0037	15	-11 57 9.72	-0.004	17	0.31	21.364	18	33.2	9.65	16	33.2	A0 J	11	4010	A -11 2912
76		9.4A	32 22.747	-0.0028	21	-15 40 49.83	-0.017	15	0.35	22.795	18	33.2	49.54	16	33.2	F8 J	12A	4222	A -15 3080
77		9.0A	32 23.355	-0.0012	21	-18 3 52.55	0.012	15	0.35	23.375	18	33.2	52.76	16	33.2	K0 J	12A	4223	A -17 3182
78		8.8A	32 24.632	-0.0050	17	-14 2 19.44	0.042	18	0.34	24.716	18	33.2	20.15	16	33.2	G0 J	11	4011	A -13 3160
79		8.9A	32 28.342	-0.0014	18	-11 31 19.57	-0.038	20	0.36	28.365	18	33.2	18.93	16	33.2	K2 J	11	4012	A -11 2913
80		8.8A	32 39.326	-0.0029	21	-14 38 42.08	-0.015	15	0.35	39.374	18	33.2	41.82	16	33.2	K5 J	12A	4224	A -14 3146
81		8.8A	32 52.429	-0.0009	17	-12 29 7.27	-0.007	18	0.34	52.444	18	33.2	7.16	16	33.2	K J	11	4014	A -11 2914
82		9.2A	32 53.482	-0.0039	21	-15 58 53.69	-0.013	15	0.35	53.547	18	33.2	53.47	16	33.2	F8 J	12A	4225	A -15 3082
83		8.8A	32 53.663	-0.0029	21	-16 56 15.52	-0.017	15	0.35	53.712	18	33.2	15.24	16	33.2	A3 J	12A	4226	A -16 3086
84		6.8T	32 54.126	-0.0047	11	-12 35 56.31	-0.064	10	0.51	54.335	18	05.8	53.39	17	04.4	A5 GC		14549	-12 3205
85		9.0A	33 0.225	0.0001	17	-12 37 34.56	-0.017	18	0.34	0.224	18	33.2	34.27	16	33.2	K0 J	11	4016	A -12 3206
86		7.8Q	33 10.587	-0.0012	08	-12 44 27.38	-0.012	06	0.42	10.646	19	01.1	26.64	18	88.2	K0 GC		14558	-12 3208
87		6.4T	33 13.233	0.0003	12	-18 18 35.69	0.003	11	0.55	13.218	18	05.4	35.85	18	02.1	A0 GC		14561	-17 3187
88		7.8A	33 15.999	-0.0085	17	-13 41 48.92	-0.047	18	0.34	16.142	18	33.2	48.14	16	33.2	F5 J	11	4018	A -13 3165
89		8.2A	33 18.696	0.0001	21	-17 6 50.07	-0.013	15	0.35	18.852	18	33.2	49.86	16	33.2	M0 J	12A	4228	A -16 3090
90		7.9Q	33 33.044	0.0092	16	-11 39 0.75	-0.255	14	0.73	32.621	18	04.0	-48.60	18	02.3	K0 GC		14569	-11 2916
91		9.4A	33 46.611	-0.0041	18	-14 58 50.46	-0.011	15	0.33	46.679	18	33.2	50.27	16	33.2	F8 J	12A	4229	A -14 3149
92		6.5T	33 48.002	0.0009	10	-10 19 24.50	-0.039	10	0.53	47.956	17	98.9	22.40	15	96.1	A5 GC		14576	-9 3108
93		6.2T	33 50.062	-0.0021	03	-16 5 5.81	-0.006	03	0.18	50.154	09	05.4	5.53	09	01.9	K5 GC		14578K	B*-15 3087
94		9.0A	33 53.031	-0.0028	21	-15 56 32.15	-0.059	15	0.35	53.079	18	33.2	31.16	16	33.2	F5 J	12A	4231	A -15 3088
95		5.9H	34 2.883	0.0178	02	-11 57 40.41	-0.680	02	0.07	2.396	04	22.7	20.65	04	20.9	F8 F4		1274	-11 2918
96		8.7A	34 3.476	-0.0119	18	-13 35 2.59	0.015	20	0.36	3.676	18	33.2	2.85	16	33.2	K0 J	11	4021	A -13 3170
97		9.0A	34 7.143	0.0004	21	-17 52 36.32	-0.057	15	0.35	7.137	18	33.2	35.37	16	33.2	K7 J	12A	4232	A -17 3191
98		9.1A	34 10.240	-0.0012	15	-13 12 50.10	-0.056	17	0.31	10.260	18	33.2	49.15	16	33.2	F8 J	11	4022	A -12 3213
99		8.7A	34 16.867	0.0001	18	-13 48 46.01	-0.067	20	0.36	16.865	18	33.2	44.89	16	33.2	K2 J	11	4023	A -13 3172
00		9.0A	34 18.021	0.0011	21	-18 7 28.43	-0.023	15	0.35	18.003	18	33.2	28.05	16	33.2	A0 J	12A	4233	A -17 3192

156100

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	EPOCH 1950 μ s	EPOCH 1950 σ_μ ″.001	EPOCH 1950 δ_{1950} ° ′ ″	EPOCH 1950 μ' ″	EPOCH 1950 σ'_μ ″.001	EPOCH 1950 σ_{1950} ″	ORIGINAL EPOCH α_2 s	ORIGINAL EPOCH σ ″.01	ORIGINAL EPOCH ep.	ORIGINAL EPOCH δ_2 ″	ORIGINAL EPOCH σ' ″.01	ORIGINAL EPOCH ep.	SP.		SOURCE CAT.	SOURCE STAR NUMBER	-10° 10H DM NUMBER
1		8.7Q	10 34 21.802	-0.0024	08	-13 16 42.78	0.006	06	0.41	21.925	18	99.5	43.15	17	89.4	F2		GC	14593K	B*-12 3214
2		8.5A	34 23.482	-0.0019	17	-19 37 58.33	-0.062	13	0.30	23.515	18	33.2	57.29	16	33.2	K0	J	12B	4708	A -19 3062
3		8.4A	34 23.764	-0.0007	21	-15 9 12.12	-0.046	15	0.35	23.752	18	33.2	11.34	16	33.2	K0	J	12A	4234	A -14 3151
4		9.3A	34 38.677	-0.0001	18	-16 19 29.97	-0.020	13	0.32	38.675	18	33.2	29.63	16	33.2	K2	J	12A	4235	A -15 3090
5		6.5T	34 42.944	-0.0038	11	-11 29 17.69	-0.038	11	0.48	43.096	15	10.2	16.04	15	06.7	F0		GC	14599	-10 3094
6		9.1A	34 45.257	-0.0025	15	-18 43 2.03	-0.020	11	0.28	45.300	18	33.2	1.70	16	33.2	F5	J	12B	4710	A -18 2980
7		8.8A	34 49.363	0.0101	17	-11 14 59.43	-0.116	18	0.34	49.192	18	33.2	57.48	16	33.2	G5	J	11	4027	A -10 3096
8		8.2A	34 55.928	-0.0003	17	-10 47 1.91	0.002	18	0.34	55.933	18	33.2	1.95	16	33.2	K0	J	11	4028	A -10 3099
9		6.9T	34 58.563	-0.0014	13	-12 8 2.68	0.047	12	0.62	58.628	21	03.9	4.91	19	02.5	K0		GC	14608	-11 2921
10		4.8I	35 4.966	0.0020	05	-13 7 26.18	-0.037	05	0.26	4.875	10	04.1	24.29	10	98.7	NB		GC	14611V	B*-12 3218
11		9.4A	35 5.055	-0.0006	21	-15 36 13.38	-0.009	15	0.35	5.064	18	33.2	13.23	16	33.2	K0	J	12A	4236	A -15 3093
12		8.8A	35 8.279	-0.0039	18	-19 5 47.49	-0.028	13	0.32	8.345	18	33.2	47.02	16	33.2	A2	J	12B	4713K	A -18 2982
13		8.9A	35 13.111	0.0004	21	-17 33 37.81	-0.016	15	0.35	13.105	18	33.2	37.55	16	33.2	A0	J	12A	4237	A -17 3197
14		8.5A	35 15.453	-0.0069	17	-10 47 22.34	-0.019	18	0.34	15.568	18	33.2	22.02	16	33.2	G5	J	11	4031	A -10 3100
15		8.3A	35 27.287	-0.0053	15	-12 41 2.84	0.004	15	0.30	27.376	18	33.2	2.91	16	33.2	A0	J	11	4032	A -12 3219
16		8.2A	35 28.372	-0.0022	17	-11 14 58.51	-0.038	18	0.34	28.408	18	33.2	57.87	16	33.2	G0	J	11	4033	A -10 3102
17		8.8A	35 29.108	0.0015	21	-17 28 29.21	-0.019	15	0.35	29.082	18	33.2	28.90	16	33.2	A5	J	12A	4238	A -16 3097
18		9.3A	35 58.808	0.0010	12	-10 33 39.30	-0.012	12	0.26	58.790	16	33.2	39.10	16	33.2	F2		16	4042	A -10 3105
19		8.7A	35 59.215	-0.0015	18	-13 50 46.95	0.023	20	0.36	59.240	18	33.2	47.34	16	33.2	K0	J	11	4036	A -13 3180
20		8.2A	36 7.504	0.0055	21	-17 37 33.85	-0.062	15	0.35	7.411	18	33.2	32.81	16	33.2	F5	J	12A	4239	A -17 3200
21		9.4A	36 7.628	-0.0047	21	-17 5 54.56	-0.009	15	0.35	7.707	18	33.2	54.42	16	33.2	A7	J	12A	4240	A -16 3099
22		5.1T	36 8.640	-0.0073	03	-16 36 59.36	0.021	02	0.44	9.011	06	99.0	0.49	58	96.7	K0		GC	14631	B*-16 3100
23		9.0A	36 9.954	0.0021	17	-13 29 44.89	-0.227	18	0.34	9.919	18	33.2	41.07	16	33.2	K0	J	11	4037	A -12 3224
24		5.9T	36 21.932	-0.0042	10	-12 10 59.28	-0.004	09	0.52	22.141	18	00.4	59.08	17	99.5	A0		GC	14636	-11 2925
25		8.4A	36 23.110	-0.0026	21	-15 28 9.31	0.021	15	0.35	23.153	18	33.2	9.66	16	33.2	K0	J	12A	4242	A -14 3156
26		8.7A	36 25.776	-0.0019	15	-19 20 23.25	0.003	12	0.28	25.807	18	33.2	23.30	16	33.2	K2	J	12B	4720	A -18 2989
27		9.2A	36 25.815	-0.0054	17	-15 41 6.34	-0.056	11	0.29	25.906	18	33.2	5.40	16	33.2	G5	J	12A	4243	A -15 3096
28		8.8A	36 27.743	0.0009	21	-16 58 25.67	0.027	15	0.35	27.728	18	33.2	26.13	16	33.2	K0	J	12A	4244	A -16 3101
29		9.1A	36 28.421	-0.0051	18	-18 51 47.31	-0.001	13	0.32	28.506	18	33.2	47.29	16	33.2	F5	J	12B	4721	A -18 2990
30		9.0A	36 36.228	-0.0002	21	-17 58 26.74	-0.020	15	0.35	36.232	18	33.2	26.41	16	33.2	G	J	12A	4245	A -17 3202
31		9.2A	36 39.290	0.0007	21	-17 19 23.41	-0.017	15	0.35	39.278	18	33.2	23.13	16	33.2	G0	J	12A	4246	A -16 3102
32		8.6Q	36 42.177	-0.0014	10	-17 18 55.46	0.017	08	0.44	42.237	17	06.4	56.30	17	00.9	A2		GC	14643K	B*-16 3103
33		8.4A	36 47.731	-0.0031	18	-18 10 52.70	0.018	13	0.32	47.783	18	33.2	53.01	16	33.2	K0	J	12A	4248	A -17 3203
34		9.3Q	36 47.840	-0.0039	08	-14 14 31.92	0.024	07	0.42	48.023	19	03.5	33.22	21	96.3	G5		GC	14645K	B*-13 3182
35		9.0A	37 2.556	-0.0024	21	-16 28 50.49	-0.024	15	0.35	2.596	18	33.2	50.08	16	33.2	A0	J	12A	4249	A -15 3099
36		9.1A	37 5.003	0.0020	17	-13 52 7.90	-0.035	18	0.34	4.970	18	33.2	7.32	16	33.2	G0	J	11	4040	A -13 3183
37		7.8A	37 8.882	-0.0036	17	-12 44 0.45	-0.004	18	0.34	8.942	18	33.2	0.38	16	33.2	A2	J	11	4041	A -12 3228
38		9.0A	37 22.127	-0.0009	15	-10 45 22.76	-0.035	17	0.31	22.143	18	33.2	22.17	16	33.2	K7	J	11	4042	A -10 3108
39		9.0A	37 31.469	-0.0007	21	-17 13 40.92	-0.059	15	0.35	31.481	18	33.2	39.93	16	33.2	F0	J	12A	4251	A -16 3104
40		9.2A	37 32.309	0.0067	21	-16 3 59.41	-0.097	15	0.35	32.196	18	33.2	57.78	16	33.2	G5	J	12A	4250	A -15 3101
41		8.7A	37 41.939	-0.0024	15	-13 8 24.01	0.027	17	0.31	41.980	18	33.2	24.46	16	33.2	A2	J	11	4043	A -12 3230
42		8.8A	37 42.252	0.0117	21	-16 6 34.93	-0.061	15	0.35	42.055	18	33.2	33.58	16	33.2	G5	J	12A	4252	A -15 3103
43		9.0A	37 43.934	0.0001	17	-11 18 33.75	0.001	18	0.34	43.931	18	33.2	33.77	16	33.2	M0	J	11	4044	A -10 3109
44		8.6A	37 48.317	-0.0031	15	-18 31 42.11	0.008	11	0.28	48.369	18	33.2	42.24	16	33.2	K2	J	12B	4728	A -18 2995
45		9.1A	37 52.193	-0.0077	17	-13 58 14.29	0.016	18	0.34	52.322	18	33.2	14.57	16	33.2	K	J	11	4045	A -13 3185
46		8.4A	37 58.245	-0.0010	15	-13 1 8.58	-0.028	17	0.31	58.262	18	33.2	8.11	16	33.2	F5	J	11	4046	A -12 3233
47		9.2A	38 0.527	-0.0025	21	-17 18 5.78	-0.018	15	0.35	0.568	18	33.2	5.49	16	33.2	K5	J	12A	4254	A -16 3106
48		8.6A	38 4.754	-0.0044	17	-13 15 0.27	-0.019	18	0.34	4.828	18	33.2	59.95	16	33.2	K2	J	11	4047	A -12 3235
49		9.0A	38 5.391	-0.0024	18	-18 21 25.45	-0.014	13	0.32	5.431	18	33.2	25.22	16	33.2	M0	J	12B	4729	A -17 3209
50		9.1A	38 8.237	-0.0010	18	-19 19 54.09	-0.028	13	0.32	8.254	18	33.2	53.62	16	33.2	F8	J	12B	4731	A -18 2997
51		8.9A	10 38 15.108	0.0007	12	-10 3 9.46	0.004	12	0.25	15.096	16	33.3	9.53	16	33.3	K0	R	16	4055	A -9 3117
52		8.5A	38 16.744	-0.0020	15	-13 56 3.45	0.006	17	0.31	16.777	18	33.2	3.56	16	33.2	F0	J	11	4048	A -13 3187
53		9.1A	38 18.634	-0.0001	18	-18 28 47.94	-0.009	13	0.32	18.636	18	33.2	47.80	16	33.2	G0	J	12B	4732	A -17 3211
54		9.4A	38 19.932	-0.0020	21	-15 13 23.09	-0.006	15	0.35	19.966	18	33.2	22.99	16	33.2	F5	J	12A	4256	A -14 3160
55		8.4A	38 22.814	-0.0022	21	-14 56 47.01	-0.016	15	0.35	22.850	18	33.2	46.74	16	33.2	K2	J	12A	4258	A -14 3161
56		9.3A	38 24.683	-0.0020	18	-15 31 3.79	-0.060	13	0.32	24.717	18	33.2	2.78	16	33.2	F5	J	12A	4259	A -15 3106
57		8.2A	38 27.625	-0.0004	15	-12 52 5.53	0.034	17	0.31	27.632	18	33.2	6.10	16	33.2	F8	J	11	4050	A -12 3237
58		8.7A	38 28.956	0.0010	15	-10 42 46.36	-0.019	17	0.31	28.938	18	33.2	46.04	16	33.2	A3	J	11	4051	A -10 3112
59		8.5A	38 28.998	-0.0013	15	-11 56 5.62	0.104	17	0.31	29.020	18	33.2	7.37	16	33.2	F8	J	11	4052	A -11 2929
60		8.2A	38 38.087	0.0003	15	-14 5 48.03	-0.006	17	0.31	38.082	18	33.2	47.93	16	33.2	F2	J	11	4053	A -13 3188
61		9.1A	39 6.344	-0.0001	21	-17 15 59.42	-0.023	15	0.35	6.345	18	33.2	59.04	16	33.2	K2	J	12A	4260	A -16 3107
62		8.9A	39 8.810	-0.0054	15	-11 9 0.82	0.033	15	0.30	8.901	18	33.2	1.38	16	33.2	A0	J	11	4054	A -10 3114
63		8.8A	39 13.662	-0.0006	21	-15 25 1.78	-0.004	15	0.35	13.672	18	33.2	1.71	16	33.2	K2	J	12A	4261	A -14 3164
64		9.6Q	39 19.017	0.0045	13	-14 27 45.56	0.044	10	0.61	18.829	30	07.8	47.13	29	03.2	K0		GC	14704	-13 3193
65		9.0Q	39 37.749	-0.0017	18	-15 6 29.80	-0.042	13	0.66	37.815	22	12.1	28.11	24	09.8	K5		GC	14714	-14 3165
66		8.4A	39 40.996	-0.0020	21	-15 49 47.04	-0.003	15	0.35	41.030	18	33.2	46.99	16	33.2	M3	J	12A	4263	A -15 3111
67		6.7T	39 44.163	0.0146	13	-13 31 23.74	-0.175	12	0.68	43.406	18	98.0	14.41	17	96.6	G0		GC	14716	13 3196
68		9.0A	39 45.682	-0.0008	21	-17 3 31.76	-0.054	15	0.35	45.696	18	33.2	30.85	16	33.2	G5	J	12A	4264	A -16 3108
69		9.0A	39 47.454	-0.0082	18	-16 59 22.83	0.006	13	0.32	47.592	18	33.2	22.94	16	33.2	K	J	12A	4265	A -16 3109
70		6.4T	40 3.203	-0.0017	12	-13 42 45.65	-0.008	11	0.55	3.276	18	07.7	45.30	17	04.6	K2		GC	14724	-13 3197
71		8.8A	40 10.105	0.0007	21	-17 16 32.26	0.007	15	0.35	10.093	18	33.2	32.38	16	33.2	K0	J	12A	4266	A -17 3217
72		8.0Q	40 13.180	0.0031	17	-17 28 0.25	-0.076	13	0.67	13.052	18	08.9	-56.88	18	05.6	F2		GC	14728	-16 3111
73		8.6A	40 13.197	-0.0004	21	-17 18 24.66	-0.011	15	0.35	13.204	18	33.2	24.48	16	33.2	K5	J	12A	4268	A -16 3112
74		8.9A	40 36.754	0.0004	21	-14 28 47.42	0.007	15	0.35	36.747	18	33.2	47.55	16	33.2	K2	J	12A	4269	A -13 3201
75		8.5A	40 43.855	-0.0007	13	-10 47 48.50	-0.003	15	0.29	43.867	18	33.2	48.45	16	33.2	A0	J	11	4059	A -10 3119
76		9.3A	40 48.441	-0.0005	12	-10 34 54.03	0.006	12	0.26	48.450	16	33.2	54.13	16	33.2	G5		16	4069	A -10 3120
77		8.6A	40 50.613	-0.0015	18	-16 25 49.98	-0.035	13	0.32	50.638	18	33.2	49.39	16	33.2	K2	J	12A	4270	A -15 3114
78		9.4A	40 52.307	-0.0017	21	-16 53 5.99	-0.138	15	0.35	52.335	18	33.2	3.67	16	33.2	G0	J	12A	4271	A -16 3114
79		9.3A	40 53.356	-0.0059	21	-14 41 42.19	0.006	15	0.35	53.455	18	33.2	42.30	16	33.2	F5	J	12A	4272	A -14 3166
80		9.5A	40 53.701	-0.0062	21	-15 54 16.62	0.012	15	0.35	53.806	18	33.2	16.82	16	33.2	G5	J	12A	4273	A -15 3115
81		8.7A	41 3.007	-0.0065	15	-18 36 9.57	0.084	11	0.28	3.116	18	33.2	10.98	16	33.2	G5	J	12B	4744	A -18 3008
82		8.7A	41 3.722	-0.0042	21	-16 23 35.00	0.003	15	0.35	3.794	18	33.2	35.05	16	33.2	K2	J	12A	4274	A -15 3116
83		9.2A	41 3.887	-0.0027	21	-16 55 36.37	-0.004	15	0.35	3.933	18	33.2	36.31	16	33.2	G5	J	12A	4276	A -16 3115
84		9.2A	41 11.082	-0.0015	15	-11 25 52.44	-0.007	15	0.30	11.056	18	33.2	52.33	16	33.2	K2	J	11	4061	A -10 3121
85		8.4A	41 21.080	-0.0038	21	-14 31 51.93	-0.008	15	0.35	21.143	18	33.2	51.79	16	33.2	K5	J	12A	4277	A -14 3169
86		8.7A	41 24.563	-0.0008	15	-13 36 37.69	-0.002	17	0.31	24.576	18	33.2	37.66	16	33.2	K2	J	11	4063	A -13 3204
87		9.1A	41 27.861	-0.0014	11	-10 24 7.98	-0.016	11	0.24	27.884	16	33.2	7.72	16	33.2	K5		16	4072	A -9 3128
88		9.0A	41 41.547	-0.0037	21	-14 55 4.53	0.009	15	0.35	41.609	18	33.2	4.69	16	33.2	F8	J	12A	4278	A -14 3170
89		8.6A	41 43.231	-0.0013	15	-12 31 38.65	-0.018	17	0.32	43.253	18	33.2	38.35	16	33.2	K5	J	11	4065	A -12 3252
90		9.3A	41 44.011	-0.0011	18	-15 17 9.31	-0.039	13	0.32	44.029	18	33.2	8.32	16	33.2	F5	J	12A	4279	A -14 3171
91		8.3A	41 55.001	-0.0016	17	-18 52 44.76	-0.027	13	0.30	55.028	18	33.2	44.30	16	33.2	A0	J	12B	4747	A -18 3013
92		9.0A	42 2.462	-0.0009	11	-10 28 52.07	-0.008	11	0.24	2.477	16	33.2	51.94	16	33.2	A0		16	4074	A -9 3130
93		9.3A	42 5.334	0.0001	18	-14 35 17.56	-0.002	13	0.32	5.332	18	33.2	17.53	16	33.2	F8	J	12A	4280	A -14 3172
94		9.4A	42 6.181	0.0001	21	-16 7 35.32	-0.021	15	0.35	6.180	18	33.2	34.96	16	33.2	K2	J	12A	4281	A -15 3120
95		8.4A	42 16.786	-0.0006	12	-10 38 46.94	0.005	12	0.26	16.796	16	33.2	47.03	16	33.2	A0		16	4076	A -10 3122
96		8.8A	42 49.584	-0.0009	21	-17 9 36.57	-0.002	15	0.35	49.599	18	33.2	36.53	16	33.2	F5	J	12A	4282	A -16 3121
97		8.9A	42 53.478	-0.0000	13	-19 25 50.67	-0.021	09	0.26	53.479	18	33.2	50.32	16	33.2	G0	J	12B	4751	A -18 3017
98		9.4A	42 53.624	-0.0010	21	-15 54 52.71	-0.011	15	0.35	53.641	18	33.2	52.52	16	33.2	G0	J	12A	4283	A -15 3121
99		9.0A	43 0.151	0.0027	15	-11 34 52.12	-0.019	15	0.30	0.107	18	33.2	51.80	16	33.2	A0	J	11	4069	A -11 2937
00		9.0A	43 9.381	0.0016	15	-13 21 27.49	0.006	17	0.32	9.355	18	33.2	27.59	16	33.2	G0	J	11	4070	A -12 3258

156200

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	EPOCH 1950 μ s	EPOCH 1950 σ_μ ″.001	EPOCH 1950 δ_{1950} ° ′ ″	EPOCH 1950 μ' ″	EPOCH 1950 $\sigma_{\mu'}$ ″.001	EPOCH 1950 σ_{1950} ″	ORIGINAL EPOCH α_2 s	ORIGINAL EPOCH σ ″.01	ORIGINAL EPOCH ep.	ORIGINAL EPOCH δ_2 ″	ORIGINAL EPOCH σ' ″.01	ORIGINAL EPOCH ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	-10° 10H DM NUMBER
1		8.0A	10 43 13.968	-0.0098	12	-10 36 9.95	-0.001	12	0.26	14.132	16	33.2	9.94	16	33.2	G5	16	4081K	A -10 3125
2		7.4A	43 18.531	-0.0020	11	-10 26 59.75	-0.004	11	0.24	18.564	16	33.2	59.69	16	33.2	A0	16	4082	A -9 3134
3		8.7A	43 25.180	-0.0027	18	-16 50 14.13	-0.008	13	0.32	25.226	18	33.2	14.00	16	33.2	K5 J	12A	4284	A -16 3122
4		8.3A	43 28.631	-0.0035	15	-19 23 12.77	-0.011	12	0.28	28.690	18	33.2	12.59	16	33.2	K0 J	12B	4753	A -18 3020
5		9.2A	43 29.720	0.0012	21	-16 5 15.56	0.004	15	0.36	29.700	18	33.2	15.63	16	33.2	K0 J	12A	4285	A -15 3122
6		8.3G	43 31.455	-0.0215	11	-16 28 20.65	-0.013	09	0.53	32.552	14	98.9	19.95	14	95.9	G5	GC	14806	-15 3123
7		9.0A	43 35.851	-0.0072	15	-19 35 57.07	-0.107	11	0.28	35.973	18	33.2	55.27	16	33.2	G0 J	12B	4754	A -19 3097
8		9.2A	43 38.988	-0.0019	21	-15 13 35.88	-0.015	15	0.35	39.020	18	33.2	35.63	16	33.2	F8 J	12A	4287	A -14 3174
9		8.3A	43 48.469	-0.0025	18	-14 52 31.19	-0.029	13	0.32	48.511	18	33.2	30.70	16	33.2	K0 J	12A	4288	A -14 3175
10		9.1A	43 54.152	0.0005	11	-10 10 59.25	0.013	11	0.24	54.143	16	33.3	59.45	16	33.3	K0 R	16	4085	A -9 3136
11		7.1T	43 56.152	-0.0040	09	-13 11 46.24	-0.002	11	0.54	56.361	21	98.0	46.15	21	02.0	A0	GC	14817	-12 3264
12		8.0A	43 58.733	-0.0023	21	-14 46 13.92	-0.014	15	0.35	58.772	18	33.2	13.68	16	33.2	A0 J	12A	4289	A -14 3176
13		7.1T	44 2.770	-0.0031	26	-19 29 49.19	0.003	22	1.12	2.906	27	05.5	49.32	26	03.6	K2	GC	14820	-18 3022
14		9.0A	44 4.708	0.0023	18	-15 18 44.06	-0.022	13	0.32	4.669	18	33.2	43.69	16	33.2	K0 J	12A	4290	A -14 3178
15		9.1A	44 4.790	-0.0028	21	-17 47 4.20	-0.018	15	0.35	4.837	18	33.2	3.91	16	33.2	G0 J	12A	4291	A -17 3225
16		7.5T	44 6.329	0.0025	26	-18 36 36.79	-0.042	16	0.98	6.216	21	05.6	34.81	18	03.1	K2	GC	14821	-18 3023
17		9.0A	44 7.246	0.0001	15	-13 18 9.25	-0.005	17	0.32	7.244	18	33.2	9.16	16	33.2	K0 J	11	4074	A -12 3265
18		8.8A	44 13.268	-0.0002	21	-15 14 33.98	-0.020	15	0.35	13.271	18	33.2	33.64	16	33.2	K5 J	12A	4293	A -14 3179
19		9.0A	44 15.100	-0.0010	18	-19 27 29.79	-0.057	13	0.32	15.117	18	33.2	28.83	16	33.2	G5 J	12B	4759	A -18 3025
20		8.6A	44 15.977	-0.0042	15	-13 48 55.33	0.012	17	0.32	16.048	18	33.2	55.54	16	33.2	K0 J	11	4075	A -13 3213
21		5.6T	44 24.918	-0.0017	03	-17 1 57.59	-0.018	04	0.19	24.997	09	02.9	56.72	09	01.3	A0	GC	14835	-16 3124
22		9.4A	44 25.346	-0.0066	21	-18 11 53.23	0.049	15	0.35	26.458	18	33.2	54.06	16	33.2	G0 J	12A	4295	A -17 3227
23		7.0T	44 30.771	-0.0027	09	-15 28 4.53	-0.005	08	0.47	30.903	19	02.0	4.27	18	98.6	A0	GC	14839	-14 3181
24		9.1A	44 30.817	-0.0042	17	-19 36 59.60	-0.015	13	0.30	30.888	18	33.2	59.35	16	33.2	F8 J	12B	4760	A -19 3101
25		8.6A	44 37.546	0.0012	15	-11 45 18.87	-0.066	15	0.30	37.526	18	33.2	17.76	16	33.2	F2 J	11	4076	A -11 2941
26		9.0A	44 42.979	-0.0031	21	-17 9 36.16	0.000	15	0.35	43.031	18	33.2	36.17	16	33.2	A5 J	12A	4297	A -16 3127
27		9.2A	44 47.557	-0.0011	15	-18 47 47.20	0.004	11	0.28	47.576	18	33.2	47.27	16	33.2	F2 J	12B	4762	A -18 3027
28		9.4A	44 49.423	-0.0076	21	-15 20 55.43	-0.025	15	0.35	49.550	18	33.2	55.01	16	33.2	G0 J	12A	4298	A -14 3182
29		9.0A	44 50.033	-0.0045	21	-17 53 18.17	-0.001	15	0.35	50.109	18	33.2	18.16	16	33.2	K2 J	12A	4299	A -17 3230
30		8.8A	44 54.444	-0.0055	21	-15 49 21.91	0.057	15	0.35	54.538	18	33.2	22.88	16	33.2	G5 J	12A	4300	A -15 3130
31		9.3A	44 58.354	0.0024	15	-11 38 14.43	-0.042	15	0.30	58.314	18	33.2	13.72	16	33.2	K5 J	11	4077	A -11 2944
32		8.1A	44 59.716	0.0069	13	-13 42 52.30	-0.036	15	0.30	59.600	18	33.2	51.70	16	33.2	G5 J	11	4079	A -13 3214
33		7.4T	45 8.937	-0.0084	06	-15 21 43.33	-0.045	04	0.27	9.304	12	06.5	41.06	10	99.5	F8	GC	14851	B*-14 3184
34		8.3G	45 9.252	-0.0101	18	-15 21 13.27	-0.057	20	0.83	9.653	21	10.5	10.70	21	04.9		GC	14852	-14 3187
35		6.5T	45 9.905	-0.0002	05	-14 59 51.74	-0.019	05	0.29	9.912	15	02.0	50.71	14	95.6	A0	GC	14855K	-14 3186
36		7.8G	45 11.818	-0.0001	09	-14 58 48.41	-0.024	11	0.52	11.820	18	03.2	47.24	17	01.1		GC	14857K	-14 3188
37		7.5G	45 12.019	0.0007	09	-14 58 43.36	-0.057	10	0.49	11.983	18	02.3	40.51	18	00.0	F5	GC	14858K	B*-14 3188
38		7.0T	45 14.730	-0.0001	13	-14 50 44.99	-0.004	12	0.63	14.732	22	04.4	44.80	21	02.0	K2	GC	14860	-14 3189
39		9.1A	45 22.543	-0.0020	15	-11 45 21.76	0.034	17	0.32	22.578	18	33.2	22.34	16	33.2	G0 J	11	4080	A -11 2946
40		9.0A	45 27.666	-0.0046	15	-12 22 5.95	0.000	17	0.32	27.743	18	33.2	5.96	16	33.2	F0 J	11	4081	A -11 2948
41		8.9A	45 32.873	-0.0037	15	-14 10 40.10	0.022	17	0.32	32.935	18	33.2	40.48	16	33.2	G0 J	11	4082	A -13 3215
42		9.4A	45 34.625	-0.0037	21	-17 5 13.05	-0.007	15	0.35	34.687	18	33.2	12.93	16	33.2	F2 J	12A	4307	A -16 3129
43		8.1A	45 39.937	0.0024	15	-11 54 6.30	-0.041	17	0.32	39.897	18	33.2	5.61	16	33.2	K2 J	11	4083	A -11 2949
44		8.6A	45 41.197	-0.0065	15	-11 51 45.41	0.002	15	0.30	41.308	18	33.2	45.45	16	33.2	F8 J	11	4084	A -11 2950
45		8.8A	45 44.715	-0.0037	18	-14 23 36.43	-0.002	13	0.32	44.777	18	33.2	36.41	16	33.2		12A	4309	A -13 3219
46		8.8A	45 44.785	-0.0044	15	-13 53 26.34	-0.015	17	0.32	44.858	18	33.2	26.10	16	33.2	G5 J	11	4085	A -13 3217
47		9.0A	45 45.013	-0.0022	18	-14 22 10.45	-0.017	13	0.32	45.049	18	33.2	10.17	16	33.2	A0 J	12A	4310	A -13 3218
48		8.6A	45 55.068	-0.0034	15	-18 57 52.54	0.052	11	0.28	55.115	18	33.2	53.41	16	33.2	G5 J	12B	4767	A -18 3031
49		9.3A	46 2.134	-0.0022	21	-17 0 18.67	0.007	15	0.35	2.172	18	33.2	18.79	16	33.2	G0 J	12A	4311	A -16 3130
50		9.0A	46 17.107	-0.0081	18	-19 21 23.43	0.017	13	0.32	17.243	18	33.2	23.72	16	33.2	K2 J	12B	4770	A -18 3033
51		9.1A	10 46 26.808	0.0010	15	-13 37 59.02	-0.034	17	0.32	26.791	18	33.2	58.45	16	33.2	F8 J	11	4088	A -13 3221
52		8.8A	46 32.035	-0.0002	17	-11 44 56.20	-0.022	18	0.34	32.039	18	33.2	55.84	16	33.2	G5 J	11	4089	A -11 2954
53		8.4A	46 38.572	-0.0035	21	-14 53 57.86	-0.049	15	0.35	38.631	18	33.2	57.04	16	33.2	F5 J	12A	4312	A -14 3193
54		9.4A	46 44.150	0.0004	21	-18 15 5.88	-0.014	15	0.35	44.144	18	33.2	5.65	16	33.2	G0 J	12A	4313	A -17 3239
55		8.2A	47 3.554	-0.0049	18	-11 41 44.03	-0.022	20	0.36	3.637	18	33.2	43.67	16	33.2	K2 J	11	4090	A -11 2957
56		3.3H	47 9.331	0.0062	01	-15 55 53.45	0.196	01	0.05	9.084	02	10.4	+ 0.90	03	12.1	K0	F4	410	-15 3138
57		9.0A	47 14.034	-0.0014	17	-10 50 44.65	-0.018	18	0.34	14.058	18	33.2	44.35	16	33.2	F0 J	11	4091	A -10 3133
58		8.4A	47 27.031	-0.0022	17	-13 45 25.14	0.003	18	0.34	27.068	18	33.2	25.20	16	33.2	K5 J	11	4092	A -13 3223
59		9.2A	47 33.050	0.0020	15	-13 5 13.12	-0.022	17	0.32	33.017	18	33.2	12.75	16	33.2	F2 J	11	4093	A -12 3276
60		9.2A	47 42.505	-0.0016	18	-17 3 45.28	-0.013	13	0.32	42.532	18	33.2	45.07	16	33.2	K5 J	12A	4315	A -16 3134
61		8.8A	47 53.871	-0.0003	21	-14 43 24.91	-0.061	15	0.35	53.875	18	33.2	23.88	16	33.2	F2 J	12A	4316	A -14 3198
62		9.1A	47 54.194	-0.0160	17	-13 10 18.62	0.136	18	0.34	54.464	18	33.2	20.92	16	33.2	K0 J	11	4094	A -12 3277
63		8.9A	47 57.102	-0.0051	15	-12 6 45.71	0.027	17	0.32	57.187	18	33.2	46.17	16	33.2	G5 J	11	4095	A -11 2959
64		8.5A	47 58.041	-0.0205	21	-14 50 16.07	-0.102	15	0.35	58.385	18	33.2	14.35	16	33.2	G0 J	12A	4317	A -14 3199
65		9.2A	48 0.263	-0.0029	21	-17 47 33.56	-0.024	15	0.35	0.311	18	33.2	33.16	16	33.2	G5 J	12A	4318	A -17 3244
66		8.9A	48 7.642	-0.0002	18	-11 39 47.20	-0.054	20	0.36	7.646	18	33.2	46.29	16	33.2	K2 J	11	4096	A -11 2962
67		8.6A	48 17.990	0.0018	17	-19 46 12.95	-0.041	13	0.30	17.961	18	33.2	12.26	16	33.2	F0 J	12B	4778	A -19 3114
68		8.6A	48 21.483	-0.0017	17	-16 21 16.10	-0.011	13	0.30	21.513	18	33.2	15.92	16	33.2	K0 J	12A	4319	A -15 3140
69		8.4A	48 26.281	-0.0103	21	-14 37 34.71	-0.017	15	0.35	26.453	18	33.2	34.99	16	33.2	F2 J	12A	4320	A -14 3202
70		9.4A	48 33.871	-0.0014	21	-16 14 58.07	-0.018	15	0.35	33.895	18	33.2	57.77	16	33.2	K0 J	12A	4321	A -15 3142
71		6.5T	48 36.988	-0.0036	05	-18 4 0.59	0.004	04	0.25	39.155	12	03.1	0.81	10	98.9	A0	GC	14923	-17 3245
72		8.8A	48 42.034	-0.0011	21	-17 13 16.50	0.003	15	0.35	42.052	18	33.2	16.56	16	33.2	K0 J	12A	4323	A -16 3136
73		8.7A	48 47.236	-0.0001	17	-13 31 57.21	0.013	18	0.34	47.238	18	33.2	57.44	16	33.2	K2 J	11	4098	A -13 3230
74		9.0A	48 50.051	-0.0041	15	-18 41 56.97	-0.029	12	0.28	50.120	18	33.2	56.48	16	33.2	K0 J	12B	4781	A -18 3043
75		8.6A	48 52.178	-0.0002	17	-12 33 15.35	0.004	18	0.34	52.182	18	33.2	15.42	16	33.2	K5 J	11	4100	A -12 3280
76		9.3A	49 8.310	-0.0047	21	-17 44 28.62	0.024	15	0.35	8.389	18	33.2	29.03	16	33.2	F8 J	12A	4324	A -17 3247
77		8.9A	49 9.273	0.0023	17	-13 34 48.16	-0.019	18	0.34	9.234	18	33.2	47.87	16	33.2	K5 J	11	4101	A -13 3232
78		8.5A	49 9.309	-0.0135	21	-16 8 18.35	-0.054	15	0.35	9.535	18	33.2	17.44	16	33.2	K0 J	12A	4325	A -15 3144
79		9.2A	49 11.500	-0.0006	21	-15 34 52.61	-0.031	15	0.35	11.510	18	33.2	52.09	16	33.2	A0 J	12A	4326	A -15 3145
80		9.2A	49 12.878	-0.0008	21	-17 25 49.67	-0.011	15	0.35	12.891	18	33.2	49.49	16	33.2	K5 J	12A	4327	A -16 3139
81		9.2A	49 23.792	-0.0015	17	-12 45 20.29	-0.005	18	0.34	23.818	18	33.2	20.20	16	33.2	K7 J	11	4102	A -12 3281
82		9.0A	49 40.041	-0.0017	15	-13 3 24.57	-0.034	15	0.30	40.070	18	33.2	24.00	16	33.2	F8 J	11	4103	A -12 3284
83		8.9A	49 42.277	-0.0003	17	-11 25 38.80	-0.005	18	0.34	42.282	18	33.2	38.72	16	33.2	M0 J	11	4104	A -10 3138
84		9.0A	49 45.885	-0.0012	17	-13 29 41.72	0.029	18	0.34	45.905	18	33.2	42.21	16	33.2	K7 J	11	4105	A -12 3286
85		7.5T	49 47.912	-0.0027	20	-10 50 40.06	-0.023	20	0.87	48.027	22	07.7	39.07	21	06.7	F0	GC	14945	-10 3139
86		8.6A	49 55.545	-0.0025	13	-18 37 31.07	0.025	09	0.26	55.588	18	33.2	31.49	16	33.2	K5 J	12B	4785	A -18 3044
87		9.1A	50 3.450	0.0012	15	-13 32 35.42	-0.021	17	0.32	3.430	18	33.2	35.07	16	33.2	G5 J	11	4107	A -13 3236
88		8.7A	50 4.967	-0.0064	18	-18 22 16.52	-0.012	13	0.32	5.076	18	33.2	16.32	16	33.2	F5 J	12A	4329K	A -17 3252
89		8.9A	50 9.816	-0.0021	18	-19 6 9.50	0.014	13	0.32	9.852	18	33.2	9.73	16	33.2	G5 J	12B	4789	A -18 3046
90		7.7A	50 12.608	-0.0011	18	-16 19 19.92	-0.004	13	0.32	12.627	18	33.2	19.85	16	33.2	K5 J	12A	4331	A -15 3150
91		9.2A	50 14.205	0.0006	21	-17 30 57.58	-0.021	15	0.35	14.196	18	33.2	57.23	16	33.2	K5 J	12A	4332	A -17 3253
92		7.5A	50 15.534	-0.0166	17	-11 9 29.04	0.043	18	0.34	15.814	18	33.2	29.77	16	33.2	G0 J	11	4108	A -10 3141
93		9.0A	50 26.448	-0.0018	21	-15 48 7.03	-0.030	15	0.35	26.479	18	33.2	6.53	16	33.2	G5 J	12A	4333	A -15 3151
94		7.5A	50 26.972	-0.0007	20	-19 17 43.44	0.037	15	0.34	26.985	18	33.2	44.06	16	33.2	K2 J	12B	4790	A -18 3048
95		8.2A	50 29.520	-0.0125	21	-17 0 44.20	0.037	15	0.35	29.730	18	33.2	44.83	16	33.2	G0 J	12A	4334	A -16 3142
96		8.6A	50 31.416	-0.0081	21	-16 7 2.94	-0.016	15	0.35	31.553	18	33.2	2.68	16	33.2	G5 J	12A	4335	A -15 3153
97		8.6A	50 36.337	-0.0036	21	-16 39 59.44	-0.045	15	0.35	36.398	18	33.2	58.69	16	33.2	K0 J	12A	4336	A -16 3143
98		8.9A	50 39.366	-0.0031	17	-14 2 13.70	-0.028	18	0.34	39.418	18	33.2	13.24	16	33.2	F8 J	11	4109	A -13 3239
99		9.1A	50 57.495	-0.0021	17	-19 53 52.78	-0.005	13	0.30	57.530	18	33.2	52.74	16	33.2	G5 J	12B	4793	A -19 3124
00		8.9A	51 0.521	-0.0212	21	-15 33 17.13	0.031	15	0.35	0.878	18	33.2	17.65	16	33.2	K0 J	12A	4337	A -15 3155

156300

EPOCH 1950											ORIGINAL EPOCH							SP.	SOURCE		-10° 10H
NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.		CAT.	STAR NUMBER	DM NUMBER
1		5.3T	10 51 2.570	0.0053	03	-19 52 8.84	-0.244	03	0.18	2.283	06	96.1	-55.78	07	96.4	F5		GC	14971K	B*-19 3125
2		6.6T	51 4.230	0.0043	14	-15 10 42.91	-0.048	12	0.61	4.046	21	06.6	40.71	17	04.2	K0		GC	14972	-14 3213
3		9.3A	51 7.706	-0.0033	15	-10 52 3.01	-0.037	17	0.32	7.760	18	33.2	2.39	16	33.2	G0	J	11	4111	A -10 3145
4		8.7A	51 7.886	0.0013	18	-19 58 22.05	-0.099	15	0.33	7.865	18	33.2	20.38	16	33.2	K0	J	12B	4795	A -19 3126
5		9.0A	51 9.816	-0.0001	18	-18 52 25.35	-0.064	13	0.32	9.818	18	33.2	24.27	16	33.2	G5	J	12B	4796	A -18 3050
6		8.9A	51 11.467	0.0012	15	-11 8 34.56	-0.038	17	0.32	11.446	18	33.2	33.92	16	33.2	G0	J	11	4112K	A -10 3146
7		8.8A	51 12.234	-0.0015	21	-16 32 43.85	-0.025	15	0.35	12.259	18	33.2	43.44	16	33.2	F5	J	12A	4339	A -16 3144
8		9.0A	51 17.041	-0.0025	18	-19 9 54.75	0.005	13	0.32	17.083	18	33.2	54.83	16	33.2	K2	J	12B	4797	A -18 3051
9		7.3T	51 27.375	-0.0015	17	-12 10 5.05	-0.030	13	0.70	27.441	18	06.2	3.69	17	04.5	A5		GC	14981	-11 2970
10		5.8T	51 48.727	-0.0001	07	-13 29 29.40	0.008	07	0.28	48.731	07	13.0	29.70	07	13.6	G0		GC	14994	B*-12 3293
11		9.1A	51 49.673	-0.0024	18	-18 55 29.00	0.003	13	0.32	49.713	18	33.2	29.05	16	33.2	G5	J	12B	4801	A -18 3053
12		9.3A	51 51.550	0.0014	21	-16 30 22.52	-0.008	15	0.35	51.527	18	33.2	22.39	16	33.2	K0	J	12A	4340	A -16 3145
13		8.5A	51 53.253	0.0004	15	-12 49 28.18	0.014	15	0.30	53.247	18	33.2	28.41	16	33.2	K0	J	11	4115	A -12 3294
14		8.8A	52 0.686	0.0004	15	-13 43 53.09	0.027	17	0.32	0.678	18	33.2	53.55	16	33.2	K0	J	11	4116	A -13 3247
15		8.1Q	52 1.675	-0.0029	08	-19 58 3.19	0.001	08	0.46	1.821	18	98.8	3.25	17	95.8	A3		GC	15000	-19 3131
16		9.1A	52 9.920	-0.0012	17	-10 49 17.74	-0.051	18	0.34	9.939	18	33.2	16.89	16	33.2	K7	J	11	4117	A -10 3148
17		7.9A	52 10.456	0.0005	15	-11 16 34.41	-0.039	17	0.31	10.446	18	33.2	33.76	16	33.2	K0	J	11	4118	A -10 3149
18		8.9A	52 15.214	-0.0050	17	-11 28 11.16	-0.030	18	0.34	15.298	18	33.2	10.66	16	33.2	G0	J	11	4119	A -10 3150
19		9.2A	52 26.053	-0.0028	17	-13 58 38.68	-0.012	18	0.34	26.100	18	33.2	38.49	16	33.2	F5	J	11	4120	A -13 3250
20		9.0A	52 26.143	-0.0058	21	-15 11 5.89	0.023	15	0.35	26.240	18	33.2	6.28	16	33.2	G5	J	12A	4341	A -14 3221
21		8.7A	52 26.210	-0.0019	11	-19 3 27.69	0.009	09	0.24	26.243	18	33.2	27.84	16	33.2	K0	J	12B	4804	A -18 3056
22		9.2A	52 30.674	-0.0004	21	-17 12 6.41	-0.050	15	0.35	30.681	18	33.2	5.58	16	33.2	F8	J	12A	4342	A -16 3146
23		8.9A	52 37.231	-0.0027	17	-11 56 11.47	0.004	18	0.34	37.276	18	33.2	11.54	16	33.2	K7	J	11	4121	A -11 2973
24		8.6A	52 42.174	-0.0022	21	-16 31 46.19	-0.006	15	0.35	42.212	18	33.2	46.10	16	33.2	G5	J	12A	4343	A -16 3149
25		8.0A	52 44.818	0.0012	15	-11 51 17.45	0.029	17	0.31	44.798	18	33.2	17.93	16	33.2	K0	J	11	4122	A -11 2974
26		8.3A	52 49.433	-0.0016	11	-10 35 4.41	-0.041	11	0.24	49.460	16	33.2	3.73	16	33.2	F2		16	4139	A -10 3152
27		8.7A	52 56.832	-0.0031	17	-11 24 51.34	0.005	18	0.34	56.883	18	33.2	51.43	16	33.2	K0	J	11	4124	A -10 3153
28		8.7A	52 57.682	-0.0033	15	-13 9 58.36	0.002	17	0.31	57.738	18	33.2	58.40	16	33.2	A5	J	11	4125	A -12 3298
29		8.8A	52 58.562	-0.0002	21	-15 22 15.39	0.014	15	0.35	58.566	18	33.2	15.62	16	33.2	K0	J	12A	4344	A -14 3223
30		9.6Q	52 59.810	0.0006	18	-15 0 13.87	-0.017	14	0.72	59.787	21	09.3	13.13	21	06.3	K0		GC	15020	-14 3224
31		9.4A	53 6.735	-0.0024	12	-10 35 19.44	-0.013	12	0.26	6.774	16	33.2	19.23	16	33.2	F8		16	4141	A -10 3154
32		8.7A	53 16.763	-0.0007	18	-19 5 12.97	0.001	13	0.32	16.776	18	33.2	12.99	16	33.2			12B	4810	A -18 3059
33		8.0A	53 18.315	-0.0168	21	-16 6 9.88	0.119	15	0.35	18.598	18	33.2	11.88	16	33.2	F5	J	12A	4346	A -15 3162
34		9.2A	53 33.761	-0.0017	21	-14 46 2.47	-0.011	15	0.35	33.789	18	33.2	2.28	16	33.2	G5	J	12A	4347	A -14 3226
35		8.8A	53 38.202	0.0001	12	-10 13 27.78	-0.044	12	0.25	38.199	16	33.3	27.05	16	33.3	G5	R	16	4143	A -9 3171
36		8.7A	53 45.037	-0.0083	17	-19 15 13.64	0.020	13	0.30	45.177	18	33.2	13.97	16	33.2	G5	J	12B	4814	A -18 3061
37		9.0A	53 48.792	0.0005	12	-10 33 7.06	-0.004	11	0.25	48.784	16	33.3	7.00	16	33.3	MC	R	16	4144	A -10 3156
38		7.8A	53 49.545	-0.0004	11	-10 21 26.27	-0.016	11	0.24	49.551	16	33.2	26.01	16	33.2	K2		16	4145	A -9 3172
39		9.1A	53 54.141	-0.0009	17	-19 40 5.22	0.013	13	0.30	54.157	18	33.2	5.44	16	33.2	K2	J	12B	4815	A -19 3137
40		8.5A	53 55.991	0.0004	17	-12 31 40.63	-0.040	18	0.34	55.985	18	33.2	39.95	16	33.2	F0	J	11	4129	A -12 3306
41		8.6A	54 2.458	0.0009	21	-15 18 8.05	-0.007	15	0.35	2.443	18	33.2	7.93	16	33.2	K2	J	12A	4348	A -14 3229
42		8.9A	54 10.393	-0.0053	13	-18 24 6.23	-0.017	09	0.26	10.483	18	33.2	5.95	16	33.2	G0	J	12B	4817	A -17 3259
43		9.2A	54 12.053	-0.0064	18	-17 43 57.40	0.024	13	0.32	12.161	18	33.2	57.81	16	33.2	G	J	12A	4350	A -17 3260
44		8.3Q	54 17.702	0.0016	10	-17 10 59.47	-0.147	11	0.53	17.625	18	02.7	52.22	18	00.6	G5		GC	15046	-16 3152
45		8.5A	54 20.432	0.0011	21	-14 37 54.25	0.007	15	0.35	20.413	18	33.2	54.36	16	33.2	K0	J	12A	4352	A -14 3230
46		8.8A	54 25.532	-0.0006	21	-18 13 30.97	-0.006	15	0.35	25.543	18	33.2	30.88	16	33.2	K2	J	12A	4353	A -17 3261
47		9.0A	54 30.522	-0.0016	21	-17 57 14.07	-0.023	15	0.35	30.549	18	33.2	13.69	16	33.2	K0	J	12A	4354	A -17 3262
48		9.1A	54 32.754	-0.0020	18	-19 53 59.97	0.004	13	0.32	32.788	18	33.2	+ 0.04	16	33.2	K5	J	12B	4822	A -19 3142
49		8.8A	54 48.792	-0.0001	21	-15 28 1.13	-0.016	15	0.35	48.793	18	33.2	0.86	16	33.2	G5	J	12A	4355	A -14 3232
50		9.2A	54 49.944	-0.0005	21	-16 40 45.35	-0.018	15	0.35	49.952	18	33.2	45.05	16	33.2	G5	J	12A	4356	A -16 3155
51		8.8A	10 54 55.923	-0.0016	18	-18 1 23.92	-0.005	13	0.32	55.950	18	33.2	23.84	16	33.2	F0	J	12A	4357	A -17 3264
52		8.6A	55 5.123	-0.0033	21	-18 2 12.73	0.022	15	0.35	5.180	18	33.2	13.11	16	33.2	K0	J	12A	4358K	A -17 3265
53		8.7A	55 6.061	-0.0010	15	-11 53 27.58	0.010	17	0.31	6.079	18	33.2	27.74	16	33.2	K0	J	11	4132	A -11 2981
54		9.0A	55 12.458	-0.0006	13	-18 55 44.28	-0.037	09	0.26	12.468	18	33.2	43.66	16	33.2	K2	J	12B	4825	A -18 3065
55		8.9A	55 26.303	-0.0021	17	-19 28 3.51	-0.020	13	0.30	26.339	18	33.2	3.17	16	33.2	F2	J	12B	4826	A -18 3067
56		9.4A	55 28.808	-0.0026	21	-16 42 20.47	-0.009	15	0.35	28.852	18	33.2	20.33	16	33.2	G0	J	12A	4359	A -16 3157
57		9.3A	55 39.546	-0.0005	12	-10 29 27.96	0.023	12	0.25	39.555	16	33.3	28.35	16	33.3	K2	R	16	4155	A -9 3178
58		9.1A	55 40.714	-0.0040	17	-19 43 29.58	0.009	13	0.30	40.782	18	33.2	29.73	16	33.2	F8	J	12B	4828	A -19 3147
59		8.4A	55 41.130	-0.0043	15	-12 7 26.90	-0.064	17	0.31	41.203	18	33.2	25.82	16	33.2	F5	J	11	4134	A -11 2983
60		9.0A	55 48.107	0.0007	17	-19 5 47.87	-0.008	13	0.30	48.096	18	33.2	47.74	16	33.2	F2	J	12B	4829	A -18 3069
61		8.5A	55 57.511	0.0011	15	-11 9 1.24	-0.038	15	0.30	57.492	18	33.2	0.60	16	33.2	K2	J	11	4135	A -10 3165
62		8.7A	56 25.207	-0.0022	15	-19 47 6.70	-0.018	11	0.28	25.244	18	33.2	6.39	16	33.2	F0	J	12B	4831	A -19 3150
63		9.1A	56 26.598	-0.0006	13	-12 40 56.49	-0.016	17	0.30	26.608	18	33.2	56.22	16	33.2	A0	J	11	4136	A -12 3316
64		9.1A	56 29.111	-0.0005	12	-10 26 9.04	-0.019	12	0.26	29.120	16	33.2	8.73	16	33.2	K5		16	4159	A -9 3181
65		7.0T	56 29.151	0.0026	10	-19 20 8.59	-0.084	08	0.37	29.046	09	10.4	5.24	09	10.3	K0		GC	15085	-18 3072
66		8.6A	56 46.275	-0.0029	15	-10 41 11.99	-0.022	15	0.30	46.324	18	33.2	11.62	16	33.2	K5	J	11	4138	A -10 3170
67		7.1T	56 47.385	-0.0021	11	-10 3 24.86	0.021	10	0.42	47.469	09	09.9	25.68	09	11.3	A0		GC	15091	-9 3182
68		7.9Q	56 48.157	-0.0016	11	-17 21 17.43	-0.025	08	0.47	48.223	19	08.5	16.19	18	00.2	A2		GC	15092	-16 3163
69		9.3A	56 48.576	0.0012	21	-16 50 38.23	-0.023	15	0.35	48.556	18	33.2	37.85	16	33.2	K2	J	12A	4361	A -16 3162
70		8.2A	56 57.509	-0.0007	17	-13 54 11.22	0.005	18	0.34	57.521	18	33.2	11.31	16	33.2	K0	J	11	4139	A -13 3265
71		9.0A	56 59.339	0.0007	12	-10 14 46.81	0.005	11	0.25	59.327	16	33.3	46.90	16	33.3	K0	R	16	4162	A -9 3183
72		6.2T	57 2.498	-0.0035	14	-16 5 7.17	-0.021	13	0.70	2.665	21	01.8	6.14	19	00.7	M0		GC	15101	-15 3174
73		8.9A	57 17.985	-0.0057	17	-13 44 23.88	-0.012	18	0.34	18.081	18	33.2	23.68	16	33.2	F8	J	11	4141	A -13 3269
74		9.1A	57 19.646	-0.0049	17	-13 5 9.26	-0.034	18	0.34	19.729	18	33.2	8.69	16	33.2	G5	J	11	4142	A -12 3319
75		4.2H	57 20.138	-0.0326	01	-18 1 55.62	0.124	01	0.06	21.373	03	12.2	+ 0.26	03	12.7	K0		F4	1283	-17 3273
76		8.0A	57 25.530	0.0012	21	-15 9 41.77	-0.009	15	0.35	25.510	18	33.2	41.62	16	33.2	K0	J	12A	4364	A -14 3237
77		8.7A	57 26.406	-0.0034	21	-17 2 54.68	0.010	15	0.35	26.463	18	33.2	54.86	16	33.2	A0	J	12A	4365	A -16 3164
78		8.8A	57 34.617	-0.0001	15	-12 48 35.79	-0.005	17	0.31	34.619	18	33.2	35.71	16	33.2	F5	J	11	4143	A -12 3320
79		9.1A	57 36.544	-0.0035	17	-10 47 2.89	-0.032	18	0.34	36.603	18	33.2	2.36	16	33.2	G0	J	11	4144	A -10 3174
80		7.7A	57 38.294	-0.0038	17	-13 3 36.93	-0.013	18	0.34	38.358	18	33.2	36.71	16	33.2	K0	J	11	4145	A -12 3321
81		8.5A	57 41.591	-0.0014	17	-19 46 50.85	0.001	13	0.30	41.615	18	33.2	50.87	16	33.2	G5	J	12B	4841	A -19 3154
82		6.1T	57 42.289	-0.0016	10	-13 48 51.59	-0.028	10	0.60	42.381	21	93.7	50.02	21	93.3	K5		GC	15116	-13 3271
83		8.4A	57 45.883	-0.0014	17	-11 32 6.92	-0.007	18	0.34	45.908	18	33.2	6.80	16	33.2	F0	J	11	4147	A -11 2991
84		8.0A	57 47.634	-0.0014	18	-11 30 57.80	0.024	20	0.36	47.657	18	33.2	58.20	16	33.2	K0	J	11	4148K	A -11 2993
85		9.0A	57 48.732	-0.0003	13	-18 43 3.52	0.014	09	0.26	48.738	18	33.2	3.75	16	33.2	K7	J	12B	4842	A -18 3078
86		9.4A	57 56.098	0.0017	21	-17 26 28.40	-0.032	15	0.35	56.069	18	33.2	27.87	16	33.2	K5	J	12A	4366	A -16 3165
87		9.4A	57 56.141	-0.0001	21	-17 33 11.05	-0.013	15	0.35	56.142	18	33.2	10.84	16	33.2	K0	J	12A	4367	A -17 3277
88		9.4A	58 1.488	0.0008	18	-18 3 24.21	0.003	13	0.32	1.475	18	33.2	24.27	16	33.2	F2	J	12A	4368	A -17 3279
89	9.8I		58 6.012	-0.0011	11	-18 3 21.78	0.005	10	0.51	6.058	18	06.2	22.03	17	02.5	M2		GC	15129X	B*-17 3281
90		7.2A	58 10.937	-0.0134	17	-19 4 29.75	0.018	13	0.30	11.162	18	33.2	30.05	16	33.2	G5	J	12B	4845	A -18 3079
91		8.1A	58 11.838	-0.0019	15	-12 22 9.41	0.038	17	0.31	11.869	18	33.2	10.06	16	33.2	F2	J	11	4149	A -11 2994
92		9.3A	58 16.171	-0.0013	21	-18 5 54.28	-0.008	15	0.35	16.194	18	33.2	54.15	16	33.2	G0	J	12A	4370	A -17 3282
93		8.0A	58 20.626	-0.0006	15	-11 48 44.77	-0.015	17	0.31	20.636	18	33.2	44.52	16	33.2	F0	J	11	4150	A -11 2995
94		8.0A	58 21.756	-0.0044	17	-12 17 24.12	0.024	18	0.34	21.830	18	33.2	24.53	16	33.2	A0	J	11	4151	A -11 2996
95		8.8A	58 27.729	0.0007	15	-11 11 42.93	-0.051	17	0.31	27.717	18	33.2	42.08	16	33.2	F8	J	11	4152	A -10 3176
96		6.5T	58 28.145	0.0035	09	-15 31 24.28	-0.045	10	0.40	27.998	15	08.4	22.47	14	09.7	K0		GC	15136	-15 3178
97		8.8A	58 30.282	0.0021	17	-14 11 4.27	-0.006	18	0.34	30.246	18	33.2	1.17	16	33.2	G5	J	11	4153	A -13 3274
98		8.9A	58 41.472	-0.0017	17	-11 14 49.74	-0.007	18	0.34	41.500	18	33.2	49.62	16	33.2	M2	J	11	4154	A -10 3178
99		9.2A	58 49.464	-0.0023	17	-19 52 12.12	0.013	13	0.30	49.503	18	33.2	12.34	16	33.2	K5	J	12B	4848	A -19 3159
00		9.2A	58 52.584	0.0001	12	-10 11 48.61	-0.043	11	0.25	52.581	16	33.3	47.89	16	33.3	G0	R	16	4171	A -9 3190

156400

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.		SOURCE CAT.	STAR NUMBER	-10° 10H DM. NUMBER
1		9.1A	10 58 52.618	-0.0055	15	-11 37 51.95	0.048	17	0.31	52.711	18	33.2	52.76	16	33.2	G5	J	11	4155	A -11 2999
2		8.2A	58 53.693	-0.0119	15	-11 47 25.81	-0.012	17	0.31	53.694	18	33.2	25.61	16	33.2	G5	J	11	4156	A -11 3001
3		8.3A	58 57.184	0.0007	15	-12 28 41.52	-0.026	17	0.31	57.171	18	33.2	41.09	16	33.2	K5	J	11	4157	A -11 3002
4		9.0A	58 59.040	0.0101	17	-19 32 47.81	-0.260	13	0.30	58.870	18	33.2	43.44	16	33.2	K0	J	12B	4849	A -19 3161
5		8.8A	58 59.472	-0.0017	21	-16 38 41.31	-0.057	15	0.35	59.500	18	33.2	40.36	16	33.2	G0	J	12A	4372	A -16 3171
6		8.4A	59 0.670	-0.0036	21	-16 40 34.62	-0.079	15	0.35	0.731	18	33.2	33.30	16	33.2	G0	J	12A	4373	A -16 3172
7		9.0A	59 3.183	0.0068	15	-13 56 28.68	-0.117	18	0.33	3.068	18	33.2	26.72	16	33.2	G0	J	11	4158	A -13 3279
8		8.6A	59 10.205	0.0020	21	-17 4 55.21	-0.014	15	0.35	10.171	18	33.2	54.98	16	33.2	A2	J	12A	4374	A -16 3174
9		8.9A	59 12.919	-0.0035	18	-19 39 14.35	-0.002	13	0.32	12.978	18	33.2	14.32	16	33.2	F8	J	12B	4851	A -19 3162
10		8.3A	59 16.793	-0.0060	17	-19 47 23.62	-0.045	13	0.30	16.895	18	33.2	22.86	16	33.2	G5	J	12B	4852	A -19 3163
11		8.9A	59 28.034	-0.0024	15	-14 12 58.21	0.003	15	0.30	28.074	18	33.2	58.27	16	33.2	F2	J	11	4159	A -13 3283
12		9.1A	59 38.588	-0.0037	21	-16 12 7.96	-0.007	15	0.35	38.650	18	33.2	7.85	16	33.2	G5	J	12A	4376	A -15 3179
13		8.4A	59 39.357	0.0004	15	-11 34 44.62	-0.039	17	0.31	39.350	18	33.2	43.96	16	33.2	F8	J	11	4160	A -11 3004
14		8.3A	59 45.205	-0.0181	21	-15 39 35.35	0.113	15	0.35	46.508	18	33.2	37.24	16	33.2	G0	J	12A	4377	A -15 3181
15		8.9A	59 50.527	-0.0019	21	-15 15 36.99	-0.015	15	0.35	50.559	16	33.2	36.74	16	33.2	K5	J	12A	4378	A -14 3246
16		8.6A	59 52.186	-0.0055	21	-16 29 22.25	0.013	15	0.35	52.278	18	33.2	22.46	16	33.2	F5	J	12A	4379	A -15 3183
17		9.0A	11 0 0.362	-0.0020	18	-17 13 34.35	-0.018	13	0.32	0.395	18	33.2	34.06	16	33.2	G5	J	12A	4380	A -16 3175
18		8.8A	0 5.573	-0.0013	15	-12 6 47.31	-0.021	17	0.31	5.595	18	33.2	46.96	16	33.2	M1	J	11	4161	A -11 3006
19		8.5A	0 10.022	-0.0023	21	-14 35 39.09	-0.026	15	0.35	10.061	18	33.2	38.65	16	33.2	K5	J	12A	4381	A -14 3247
20		9.0A	0 26.029	0.0001	17	-19 26 18.12	-0.008	00	0.26	26.028	18	33.2	17.98	16	33.2	K7	J	12B	4861	A -18 3087
21		5.6T	0 44.733	-0.0051	08	-11 1 56.96	-0.114	07	0.33	44.935	10	10.2	52.14	10	07.7	K0		GC	15188K	B+-10 3184
22		9.0A	0 46.289	0.0015	15	-13 5 33.60	-0.028	15	0.30	46.264	18	33.2	33.13	16	33.2	G0	J	11	4164	A -12 3331
23		9.5A	0 49.004	-0.0013	21	-16 30 51.48	0.009	15	0.35	49.025	18	33.2	51.63	16	33.2	K0	J	12A	4382	A -16 3178
24		9.2A	0 50.635	0.0023	21	-17 10 14.71	-0.008	15	0.35	50.597	18	33.2	14.59	16	33.2	A3	J	12A	4383	A -16 3179
25		9.2A	1 1.879	-0.0020	21	-15 54 26.52	-0.005	15	0.35	1.913	18	33.2	26.44	16	33.2	G0	J	12A	4384	A -15 3186
26		8.6A	1 3.842	-0.0011	21	-15 37 32.19	0.002	15	0.35	3.861	18	33.2	32.23	16	33.2	K0	J	12A	4385	A -15 3187
27		6.4T	1 6.696	-0.0001	16	-13 9 54.14	0.004	14	0.67	6.702	18	07.8	54.32	17	05.8	G5		GC	15201	-12 3333
28		9.1A	1 12.234	-0.0009	13	-12 18 54.62	0.015	15	0.29	12.250	18	33.2	54.88	16	33.2	G0	J	11	4166	A -11 3011
29		9.2A	1 13.650	-0.0045	17	-12 18 48.13	-0.024	18	0.34	13.726	18	33.2	47.72	16	33.2	K5	J	11	4167	A -11 3012
30		8.4A	1 18.353	-0.0009	12	-10 3 23.74	-0.025	12	0.25	18.368	16	33.3	23.33	16	33.3	K5		16	4181	A -9 3198
31		6.5T	1 26.551	-0.0058	11	-19 22 49.56	-0.018	09	0.42	26.769	15	12.1	48.83	15	09.9	A5		GC	15209	-18 3093
32		8.8A	1 36.260	-0.0020	15	-13 19 44.78	0.019	17	0.31	36.294	18	33.2	45.10	16	33.2	M0	J	11	4168	A -12 3336
33		8.9A	1 39.042	0.0006	15	-11 34 43.84	-0.007	17	0.31	39.032	18	33.2	43.72	16	33.2	K0	J	11	4169	A -11 3014
34		8.9A	1 46.287	-0.0030	15	-12 25 20.60	0.089	15	0.30	46.337	18	33.2	22.10	16	33.2	G0	J	11	4170	A -11 3015
35		8.7A	1 46.358	-0.0012	15	-13 54 15.96	0.003	17	0.31	46.378	18	33.2	16.02	16	33.2	G5	J	11	4171	A -13 3288
36		9.0A	1 59.702	-0.0004	17	-19 23 42.86	-0.006	13	0.30	59.709	18	33.2	42.76	16	33.2	G0	J	12B	4871	A -18 3096
37		8.4A	2 4.693	-0.0001	12	-10 33 56.95	-0.013	12	0.25	4.694	16	33.3	56.74	16	33.3	K7		16	4185	A -10 3188
38		8.6A	2 5.980	-0.0092	21	-14 39 13.62	0.077	15	0.35	6.135	18	33.2	14.90	16	33.2	F5	J	12A	4386	A -14 3255
39		8.6A	2 16.219	-0.0001	21	-15 58 43.91	0.015	15	0.35	16.222	18	33.2	44.16	16	33.2	A0	J	12A	4387	A -15 3189
40		8.9A	2 18.034	0.0056	21	-16 36 16.72	-0.008	15	0.35	17.941	18	33.2	16.59	16	33.2	G5	J	12A	4388	A -16 3181
41		9.0A	2 21.901	-0.0022	15	-13 0 1.39	0.019	17	0.31	21.937	18	33.2	1.71	16	33.2	G0	J	11	4174	A -12 3339
42		7.9A	2 23.698	-0.0094	15	-11 29 20.63	-0.041	15	0.30	23.855	18	33.2	19.95	16	33.2	F8	J	11	4175	A -10 3189
43		8.7A	2 38.093	-0.0002	15	-13 56 45.00	-0.031	17	0.31	38.096	18	33.2	44.49	16	33.2	A0	J	11	4176	A -13 3291
44		7.9A	2 44.383	-0.0034	11	-10 1 16.03	-0.017	11	0.24	44.439	16	33.3	15.75	16	33.3	G5		16	4187	A -9 3201
45		9.1A	2 56.658	-0.0005	15	-13 34 40.74	-0.032	13	0.32	56.666	18	33.2	40.20	16	33.2	G0	J	12A	4389	A -15 3190
46		9.6A	3 0.396	-0.0054	21	-16 27 15.19	0.031	15	0.35	0.487	18	33.2	15.72	16	33.2	F5	J	12A	4390	A -15 3191
47		8.9A	3 3.208	0.0015	15	-11 53 42.17	-0.012	17	0.31	3.183	18	33.2	41.97	16	33.2	K2	J	11	4178	A -11 3018
48		6.1H	3 3.306	0.0008	03	-10 49 3.64	-0.087	03	0.09	3.289	04	27.3	1.52	05	25.6	A3		F4	1286	-10 3190
49		8.8A	3 21.198	-0.0117	21	-16 0 14.23	-0.001	15	0.35	21.393	18	33.2	14.21	16	33.2	G0	J	12A	4391	A -15 3192
50		8.2A	3 28.559	-0.0009	15	-11 53 40.68	0.008	17	0.31	28.574	18	33.2	40.82	16	33.2	K0	J	11	4179	A -11 3022
51		8.5A	11 3 32.687	-0.0032	15	-10 55 5.18	0.016	17	0.31	32.740	18	33.2	5.45	16	33.2	F5	J	11	4180	A -10 3192
52		8.8A	3 34.148	-0.0021	21	-15 46 7.37	-0.004	15	0.35	34.183	18	33.2	7.30	16	33.2	K5	J	12A	4392	A -15 3193
53		8.8A	3 38.263	-0.0029	17	-11 28 40.67	0.009	18	0.34	38.312	18	33.2	40.83	16	33.2	F5	J	11	4181	A -10 3193
54		9.0A	3 39.710	-0.0033	15	-13 55 16.36	-0.044	17	0.31	39.654	18	33.2	15.63	16	33.2	A5	J	11	4182	A -13 3297
55		8.8A	3 41.761	-0.0044	21	-15 42 54.12	-0.013	15	0.35	41.834	18	33.2	53.90	16	33.2	F0	J	12A	4393	A -15 3194
56		8.2A	3 41.973	-0.0024	13	-13 52 22.72	0.019	15	0.29	42.013	18	33.2	23.05	16	33.2	K0	J	11	4183	A -13 3298
57		8.2A	3 42.551	-0.0001	15	-12 47 35.52	0.002	17	0.31	42.552	18	33.2	35.56	16	33.2	K0	J	11	4184	A -12 3343
58		9.0A	3 52.843	-0.0048	17	-11 30 35.54	0.016	18	0.34	52.924	18	33.2	35.81	16	33.2	M0	J	11	4185	A -10 3195
59		8.2A	3 56.908	-0.0001	21	-16 15 37.14	-0.030	15	0.35	56.910	18	33.2	36.64	16	33.2	K2	J	12A	4394	A -15 3196
60		9.1A	4 0.092	0.0006	17	-19 38 11.30	-0.025	13	0.30	0.082	18	33.2	10.88	16	33.2	A2	J	12B	4879	A -19 3175
61		8.1Q	4 0.180	-0.0012	08	-13 8 49.09	-0.051	06	0.40	0.241	18	99.7	46.21	14	93.5	K0		GC	15268K	-12 3346
62		9.8Q	4 0.738	-0.0027	18	-13 8 15.57	-0.008	13	0.71	0.850	21	08.9	15.21	21	04.4			GC	15269K	-12 3347
63		8.8A	4 0.793	-0.0021	13	-18 31 39.90	-0.198	09	0.26	0.829	18	33.2	36.57	16	33.2	G0	J	12B	4880	A -18 3103
64		8.0A	4 5.188	-0.0037	21	-14 28 22.60	0.019	15	0.35	5.249	18	33.2	22.93	16	33.2	F5	J	12A	4396	A -13 3300
65		9.1A	4 9.056	-0.0057	21	-15 33 50.26	0.001	15	0.35	9.151	18	33.2	50.28	16	33.2	K0	J	12A	4397	A -15 3197
66		6.5T	4 11.310	-0.0017	18	-12 43 54.08	-0.113	16	0.86	11.394	24	01.0	48.62	18	01.7	F2		GC	15276	-12 3348
67		8.9A	4 17.263	-0.0004	15	-13 40 29.94	0.001	17	0.31	17.270	18	33.2	29.96	16	33.2	A5	J	11	4190	A -13 3304
68		9.2A	4 20.656	-0.0018	15	-11 35 5.94	-0.032	17	0.31	20.687	18	33.2	5.41	16	33.2	G0	J	11	4191	A -11 3026
69		8.5A	4 32.238	0.0015	15	-11 40 27.35	-0.002	17	0.31	32.213	18	33.2	27.31	16	33.2	K0	J	11	4192	A -11 3027
70		8.4A	4 36.907	-0.0041	21	-15 16 49.81	-0.011	15	0.35	36.976	18	33.2	49.62	16	33.2	K5	J	12A	4399	A -14 3262
71		8.5A	4 43.168	-0.0034	15	-13 23 22.28	-0.026	15	0.30	43.225	18	33.2	21.84	16	33.2	K2	J	11	4193	A -12 3349
72		9.3A	4 45.072	-0.0001	21	-18 6 30.12	-0.021	15	0.35	45.074	18	33.2	29.77	16	33.2	G0	J	12A	4400	A -17 3303
73		8.3Q	4 52.250	-0.0184	18	-15 5 29.88	0.132	14	0.77	53.075	19	05.3	36.09	18	02.9	G0		GC	15299	-14 3263
74		9.1A	4 53.194	-0.0025	18	-15 57 24.23	0.021	13	0.32	53.235	18	33.2	24.58	16	33.2	A0	J	12A	4402	A -15 3201
75		8.6A	4 56.192	-0.0012	21	-17 31 49.00	-0.021	15	0.35	56.212	18	33.2	48.65	16	33.2	K5	J	12A	4403	A -17 3304
76		9.2A	4 59.789	-0.0111	15	-11 33 43.51	-0.107	17	0.31	59.975	18	33.2	41.72	16	33.2	K0	J	11	4195	A -11 3029
77		8.9A	4 59.849	-0.0008	15	-10 40 42.29	0.003	17	0.31	59.863	18	33.2	42.34	16	33.2	G5	J	11	4194	A -10 3199
78		8.0A	5 9.349	-0.0009	15	-12 18 53.84	-0.037	17	0.31	9.365	18	33.2	53.23	16	33.2	M2	J	11	4196	A -11 3030
79		8.5A	5 20.265	-0.0041	21	-14 21 51.37	0.026	15	0.35	20.333	18	33.2	51.81	16	33.2	A5	J	12A	4404	A -13 3308
80		9.0A	5 22.106	-0.0015	21	-15 45 29.62	-0.007	15	0.35	22.131	18	33.2	29.50	16	33.2	K5	J	12A	4405	A -15 3203
81		8.5A	5 47.876	0.0037	21	-15 41 23.38	-0.055	15	0.35	47.815	18	33.2	22.46	16	33.2	F5	J	12A	4406	A -15 3206
82		9.1A	5 54.359	-0.0049	13	-12 10 29.02	0.022	15	0.29	54.442	18	33.2	29.39	16	33.2	G0	J	11	4198	A -11 3035
83		9.0A	5 58.819	-0.0041	21	-17 50 33.65	0.020	15	0.35	58.888	18	33.2	33.99	16	33.2	F0	J	12A	4407	A -17 3307
84		8.8A	6 1.472	-0.0045	15	-11 43 27.94	0.000	17	0.31	1.548	18	33.2	27.95	16	33.2	F0	J	11	4199	A -11 3037
85		8.6A	6 5.101	0.0007	21	-15 17 23.87	-0.032	15	0.35	5.089	18	33.2	23.33	16	33.2	G5	J	12A	4408	A -14 3266
86		8.6A	6 12.529	-0.0008	15	-10 54 51.57	-0.025	17	0.31	12.542	18	33.2	51.15	16	33.2	F5	J	11	4200	A -10 3201
87		8.9A	6 14.583	-0.0042	15	-18 56 17.25	0.034	09	0.27	14.655	18	33.2	17.82	16	33.2	G0	J	12B	4895	A -18 3109
88		9.4A	6 15.577	-0.0029	21	-17 34 48.05	-0.022	15	0.35	15.626	18	33.2	47.69	16	33.2	G5	J	12A	4410	A -17 3309
89		8.3A	6 16.027	0.0002	17	-19 47 10.07	-0.043	13	0.30	16.023	18	33.2	9.35	16	33.2	G5	J	12B	4896	A -19 3185
90		8.9A	6 16.062	-0.0007	18	-15 15 23.51	-0.032	13	0.32	16.074	18	33.2	22.97	16	33.2	F8	J	12A	4409	A -14 3268
91		9.2A	6 22.276	-0.0003	17	-19 49 43.88	-0.008	13	0.30	22.281	18	33.2	43.74	16	33.2	F5	J	12B	4898	A -19 3184
92		8.2A	6 28.017	-0.0079	15	-12 57 51.54	-0.084	17	0.31	28.149	18	33.2	50.13	16	33.2	K0	J	11	4201	A -12 3353
93		6.7T	6 28.523	-0.0002	10	-19 8 42.71	-0.005	08	0.50	28.531	21	00.2	42.43	18	96.2	A0		GC	15330	-18 3110
94		8.6A	6 36.535	-0.0024	17	-11 5 56.69	0.003	18	0.34	36.576	18	33.2	56.74	16	33.2	A2	J	11	4202	A -10 3204
95		9.2A	6 36.596	-0.0010	15	-11 26 15.49	-0.036	17	0.31	36.613	18	33.2	14.89	16	33.2	K0	J	11	4203	A -10 3205
96		8.6A	6 41.833	-0.0008	18	-18 35 5.20	-0.002	13	0.32	41.847	18	33.2	5.17	16	33.2	K0	J	12B	4904	A -18 3113
97		9.0A	6 44.950	0.0039	15	-19 53 34.26	-0.120	12	0.28	44.884	18	33.2	32.24	16	33.2	K0	J	12B	4905	A -19 3186
98		7.4A	6 48.481	-0.0020	15	-11 24 23.20	-0.005	17	0.31	48.515	18	33.2	23.12	16	33.2	K5	J	11	4204	A -10 3207
99		9.7A	6 57.256	-0.0062	21	-17 42 27.80	0.006	15	0.35	57.360	18	33.2	27.91	16	33.2			12A	4412	A -17 3311
00		8.0A	7 0.032	-0.0115	12	-10 7 33.64	0.015	12	0.25	0.223	16	33.3	33.90	16	33.3	F5		16	4202	A -9 3221

156500

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	EPOCH 1950 μ s	EPOCH 1950 σ_μ ″.001	EPOCH 1950 δ_{1950} ° ′ ″	EPOCH 1950 μ' ″	EPOCH 1950 σ'_μ ″.001	EPOCH 1950 σ_{1950} ″	ORIGINAL EPOCH α_2 s	ORIGINAL EPOCH σ ″.01	ORIGINAL EPOCH ep.	ORIGINAL EPOCH δ_2 ″	ORIGINAL EPOCH σ' ″.01	ORIGINAL EPOCH ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	-10° 11H DM NUMBER
1		8.5A	11 7 14.669	-0.0003	15	-11 2 50.45	-0.017	17	0.31	14.674	18	33.2	50.17	16	33.2	K5 J	11	4205	A -10 3209
2		8.9A	7 18.298	0.0003	21	-14 49 1.19	0.011	15	0.35	18.293	18	33.2	1.38	16	33.2	A2 J	12A	4413	A -14 3272
3		8.9A	7 23.772	0.0005	15	-12 52 7.66	-0.007	15	0.30	23.764	18	33.2	7.54	16	33.2	G5 J	11	4206	A -12 3357
4		8.9A	7 38.015	-0.0028	15	-12 43 30.07	0.003	15	0.30	38.062	18	33.2	30.12	16	33.2	F2 J	11	4207	A -12 3358
5		8.8A	7 38.411	0.0022	21	-17 17 45.64	-0.066	15	0.35	38.375	18	33.2	44.54	16	33.2	F5 J	12A	4414	A -16 3198
6		7.8A	7 41.090	-0.0013	15	-11 5 15.69	-0.111	17	0.31	41.111	18	33.2	13.83	16	33.2	G0 J	11	4208	A -10 3211
7		8.4A	7 45.214	-0.0017	15	-14 2 4.13	0.024	17	0.31	45.243	18	33.2	4.54	16	33.2	A0 J	11	4209	A -13 3317
8		8.9A	7 45.950	-0.0013	17	-19 50 49.68	-0.033	13	0.30	45.973	18	33.2	49.13	16	33.2	K7 J	12B	4912	A -19 3190
9		8.8A	7 53.813	0.0028	15	-12 54 8.79	-0.123	17	0.31	53.766	18	33.2	6.73	16	33.2	G5 J	11	4210	A -12 3359
10		9.6A	7 56.433	-0.0033	21	-18 12 30.83	-0.009	15	0.35	56.488	18	33.2	30.69	16	33.2		12A	4415	A -17 3315
11		8.4A	8 5.767	-0.0125	18	-16 10 54.79	0.038	13	0.32	5.977	18	33.2	55.43	16	33.2	G0 J	12A	4416	A -15 3216
12		8.9A	8 9.728	-0.0028	21	-14 38 20.43	0.010	15	0.35	9.775	18	33.2	20.59	16	33.2	F5 J	12A	4417	A -14 3276
13		7.6A	8 19.250	-0.0007	15	-12 50 32.84	0.003	17	0.31	19.263	18	33.2	32.90	16	33.2	K0 J	11	4212	A -12 3362
14		8.9A	8 25.469	0.0031	21	-17 25 18.71	-0.015	15	0.35	25.418	18	33.2	18.47	16	33.2	K5 J	12A	4418	A -16 3199
15		8.2A	8 33.626	-0.0018	15	-10 59 40.56	0.031	17	0.31	33.656	18	33.2	41.08	16	33.2	K0 J	11	4213	A -10 3212
16		8.6A	8 39.260	-0.0024	21	-16 51 37.64	0.004	15	0.35	39.300	18	33.2	37.72	16	33.2	A2	12A	4419	A -16 3200
17		8.9A	8 48.315	-0.0002	15	-11 3 9.66	-0.027	17	0.31	48.318	18	33.2	9.21	16	33.2	K0 J	11	4214	A -10 3217
18		8.9A	9 0.729	0.0493	21	-14 42 40.10	-0.586	15	0.35	-59.903	18	33.2	30.28	16	33.2	K5 J	12A	4420	A -14 3277
19		8.8A	9 6.152	0.0012	15	-19 54 3.13	-0.007	12	0.28	6.132	18	33.2	3.01	16	33.2	F8 J	12B	4918	A -19 3195
20		9.0A	9 7.606	-0.0005	21	-18 22 53.65	-0.027	15	0.35	7.615	18	33.2	53.20	16	33.2	K2 J	12A	4421	A -17 3318
21		9.2A	9 16.754	-0.0027	18	-14 33 43.78	0.008	13	0.32	16.798	18	33.2	43.91	16	33.2	F0 J	12A	4422	A -14 3279
22		8.0A	9 25.320	-0.0046	18	-19 52 34.15	0.006	13	0.32	25.397	18	33.2	34.25	16	33.2	A0 J	12B	4922	A -19 3198
23		8.2A	9 34.759	-0.0056	15	-13 51 3.52	0.027	17	0.31	34.853	18	33.2	3.98	16	33.2	K2 J	11	4216	A -13 3320
24		9.0A	9 36.190	-0.0030	15	-12 8 19.52	0.004	15	0.30	36.240	18	33.2	19.58	16	33.2	A5 J	11	4217	A -11 3046
25		8.9A	9 46.970	-0.0021	21	-17 11 27.76	0.113	15	0.35	47.005	18	33.2	29.65	16	33.2	G0 J	12A	4423	A -16 3201
26		9.1A	9 51.329	-0.0015	15	-12 33 40.02	0.009	15	0.30	51.354	18	33.2	40.17	16	33.2	K5 J	11	4218	A -12 3368
27		8.9A	9 55.212	-0.0014	12	-10 22 7.08	-0.039	12	0.25	55.235	16	33.3	6.44	16	33.3	F8	16	4222	A -9 3236
28		6.1T	10 1.385	-0.0016	08	-18 13 38.86	-0.035	08	0.36	1.450	14	08.4	37.34	14	06.3	A0	GC	15405K	B*-17 3321
29		9.6A	10 4.296	-0.0014	21	-16 41 37.15	-0.016	15	0.35	4.320	18	33.2	36.88	16	33.2		12A	4426	A -16 3203
30		9.0A	10 4.639	-0.0002	21	-15 25 59.65	-0.028	15	0.35	4.643	18	33.2	59.18	16	33.2	K0 J	12A	4425	A -14 3281
31		9.0A	10 7.621	-0.0035	21	-17 37 23.15	0.020	15	0.35	7.681	18	33.2	23.49	16	33.2	A0 J	12A	4427	A -17 3322
32		8.9A	10 8.075	-0.0019	15	-18 42 42.57	0.012	11	0.28	8.108	18	33.2	42.77	16	33.2	F2 J	12B	4927	A -18 3127
33		7.9A	10 9.218	-0.0027	17	-18 24 13.37	-0.022	13	0.30	9.264	18	33.2	13.01	16	33.2	K0 J	12B	4928	A -17 3323
34		8.3A	10 9.512	-0.0037	18	-19 25 24.16	-0.014	13	0.32	9.575	18	33.2	23.93	16	33.2	F5 J	12B	4929	A -18 3128
35		9.1A	10 16.369	0.0009	21	-17 31 7.63	-0.003	15	0.35	16.355	18	33.2	7.59	16	33.2	G5 J	12A	4429	A -17 3324
36		7.1A	10 19.820	0.0048	13	-13 39 38.00	-0.058	15	0.29	19.739	18	33.2	37.03	16	33.2	F8 J	11	4220	A -13 3321
37		7.4A	10 26.126	-0.0034	15	-12 30 44.43	-0.025	17	0.31	26.183	18	33.2	44.01	16	33.2	F0 J	11	4221	A -11 3051
38		8.3A	10 37.296	-0.0015	18	-16 59 1.87	-0.005	13	0.32	37.322	18	33.2	1.79	16	33.2	K2 J	12A	4430	A -16 3206
39		8.1Q	10 42.495	-0.0248	22	-17 53 25.11	-0.198	17	0.84	43.481	19	10.2	16.63	18	07.1	G0	GC	15422	-17 3326
40		8.9A	10 47.322	-0.0009	13	-13 31 50.45	-0.007	15	0.29	47.337	18	33.2	50.34	16	33.2	A0 J	11	4222	A -13 3324
41		9.2A	10 48.552	-0.0027	21	-17 7 56.94	0.001	15	0.35	48.598	18	33.2	56.96	16	33.2	A0 J	12A	4432	A -16 3207
42		9.1A	10 49.837	-0.0022	18	-14 42 22.71	-0.004	13	0.32	49.873	18	33.2	22.65	16	33.2	K0 J	12A	4433	A -14 3284
43		9.0A	10 59.220	-0.0059	21	-14 59 45.07	-0.027	15	0.35	59.319	18	33.2	44.62	16	33.2	G5 J	12A	4434	A -14 3286
44		9.2A	11 3.438	0.0004	21	-14 54 35.34	0.021	15	0.35	3.432	18	33.2	35.70	16	33.2	K2 J	12A	4435	A -14 3287
45		8.9A	11 5.525	-0.0003	15	-15 41 13.04	-0.002	11	0.28	5.530	18	33.2	13.01	16	33.2	G0 J	12A	4436	A -15 3223
46		8.8A	11 5.700	-0.0015	18	-15 41 29.97	0.033	13	0.32	5.725	18	33.2	30.52	16	33.2	G0 J	12A	4437	A -15 3223
47		9.4A	11 11.218	-0.0015	21	-17 16 8.90	-0.017	15	0.35	11.243	18	33.2	8.62	16	33.2	F8 J	12A	4438	A -16 3208
48		8.9A	11 12.094	-0.0019	15	-10 46 4.76	-0.005	17	0.31	12.126	18	33.2	4.68	16	33.2	K5 J	11	4223	A -10 3223
49		8.1A	11 14.739	-0.0017	21	-14 43 4.49	-0.011	15	0.35	14.767	18	33.2	4.30	16	33.2	K2 J	12A	4439	A -14 3288
50		9.0A	11 28.359	-0.0051	18	-19 39 5.32	-0.012	13	0.32	28.444	18	33.2	5.12	16	33.2	F8 J	12B	4934	A -19 3206
51		7.8A	11 31.534	-0.0045	15	-12 31 47.15	-0.017	17	0.31	31.609	18	33.2	16.86	16	33.2	K5 J	11	4224	A -12 3376
52		8.2A	11 33.696	-0.0037	21	-15 9 45.74	-0.024	15	0.35	33.758	18	33.2	45.34	16	33.2	F0 J	12A	4440K	A -14 3289
53		9.0A	11 34.796	-0.0027	13	-17 17 42.73	-0.010	09	0.26	34.841	18	33.2	42.56	16	33.2	G0 J	12B	4935	A -18 3131
54		7.2T	11 41.047	-0.0019	10	-16 36 50.76	0.048	08	0.50	41.143	18	98.9	53.35	17	96.3	G5	GC	15442	-16 3210
55		9.0A	11 45.231	0.0007	21	-17 8 43.36	-0.014	15	0.35	45.219	18	33.2	43.12	16	33.2	G5 J	12A	4442	A -16 3211
56		8.8A	12 10.946	-0.0053	21	-16 54 20.96	0.022	15	0.35	11.035	18	33.2	21.33	16	33.2	K0 J	12A	4443	A -16 3214
57		8.7A	12 23.200	-0.0053	13	-10 57 39.56	-0.034	15	0.29	23.288	18	33.2	38.99	16	33.2	F5 J	11	4225	A -10 3226
58		8.5A	12 27.591	-0.0039	13	-18 31 32.13	-0.029	09	0.26	27.657	18	33.2	31.65	16	33.2	F0 J	12B	4939	A -18 3135
59		8.7A	12 33.320	0.0011	13	-12 1 15.68	-0.026	15	0.29	33.302	18	33.2	15.25	16	33.2	K2 J	11	4226	A -11 3060
60		8.4A	12 36.613	-0.0005	17	-19 20 1.64	-0.029	13	0.30	36.621	18	33.2	1.15	16	33.2	G0 J	12B	4940	A -18 3137
61		9.1A	12 37.788	0.0012	21	-14 52 25.13	-0.001	15	0.35	37.768	18	33.2	25.11	16	33.2	K5 J	12A	4445	A -14 3295
62		9.0A	12 41.906	-0.0034	15	-13 1 30.53	-0.005	17	0.31	41.963	18	33.2	30.45	16	33.2	F5 J	11	4227	A -12 3380
63		8.9A	12 43.759	-0.0024	15	-12 41 0.21	0.025	17	0.31	43.799	18	33.2	0.63	16	33.2	K5 J	11	4228	A -12 3381
64		6.8T	12 48.739	-0.0040	10	-19 21 54.07	-0.010	09	0.37	48.897	09	10.2	53.67	09	10.6	A0	GC	15469	-18 3141
65		7.2A	12 52.465	0.0012	15	-11 18 53.66	-0.020	17	0.31	52.445	18	33.2	53.33	16	33.2	M2 J	11	4229	A -10 3227
66		8.8A	12 57.496	-0.0009	18	-19 35 15.29	-0.003	13	0.32	57.512	18	33.2	15.24	16	33.2	K7 J	12B	4945	A -19 3210
67		7.9A	13 3.290	-0.0043	15	-12 0 11.42	0.000	17	0.31	3.362	18	33.2	11.43	16	33.2	A5 J	11	4230	A -11 3062
68		6.7T	13 8.940	-0.0013	18	-12 19 11.29	-0.033	16	0.87	9.003	24	02.0	9.64	22	99.8	M0	GC	15480	-11 3063
69		9.4A	13 10.006	-0.0015	21	-16 4 37.18	-0.014	15	0.35	9.981	18	33.2	36.94	16	33.2		12A	4447	A -15 3226
70		8.2Q	13 11.110	-0.0012	12	-16 4 47.32	-0.023	07	0.46	11.160	17	06.9	46.22	15	02.1	A3	GC	15483	-15 3227
71		9.0A	13 16.258	-0.0032	15	-13 40 44.02	0.016	17	0.31	16.311	18	33.2	44.29	16	33.2	K0 J	11	4232	A -13 3330
72		9.0A	13 18.283	-0.0007	15	-12 53 4.21	-0.001	17	0.31	18.294	18	33.2	4.20	16	33.2	K5 J	11	4233	A -12 3382
73		7.4A	13 24.440	-0.0025	12	-10 20 35.28	-0.020	12	0.25	24.481	16	33.3	34.95	16	33.3	K2	16	4237	A -9 3247
74		8.2A	13 33.385	-0.0006	17	-19 52 49.57	-0.006	13	0.30	33.396	18	33.2	49.47	16	33.2	K0 J	12B	4948	A -19 3214
75		8.4A	13 40.311	-0.0013	13	-19 19 27.87	0.011	09	0.26	40.333	18	33.2	28.05	16	33.2	K0 J	12B	4950	A -18 3143
76		8.9A	13 58.780	-0.0039	13	-13 22 54.02	0.007	15	0.29	58.845	18	33.2	54.14	16	33.2	F5 J	11	4234	A -12 3384
77		8.9A	14 5.858	-0.0038	15	-11 12 30.55	0.008	17	0.31	5.921	18	33.2	30.69	16	33.2	F0 J	11	4235	A -10 3229
78		8.6A	14 15.966	-0.0009	15	-12 23 47.36	-0.017	17	0.31	15.982	18	33.2	47.08	16	33.2	K0 J	11	4236	A -11 3068
79		7.7A	14 18.155	-0.0044	13	-14 14 5.67	0.002	15	0.29	18.229	18	33.2	5.71	16	33.2	K2 J	11	4237	A -13 3334
80		8.9A	14 25.695	-0.0001	12	-10 8 7.77	-0.025	12	0.25	25.696	16	33.3	7.36	16	33.3	K0	16	4243	A -9 3253
81		8.7A	14 25.968	-0.0018	15	-12 48 10.24	0.000	17	0.31	25.998	18	33.2	10.24	16	33.2	K0 J	11	4238	A -12 3386
82		8.8A	14 35.475	-0.0040	15	-12 52 35.99	0.036	17	0.31	35.542	18	33.2	36.59	16	33.2	K5 J	11	4239	A -12 3387
83		8.8A	14 38.260	-0.0038	21	-14 48 54.31	0.016	15	0.35	38.324	18	33.2	54.57	16	33.2	G5 J	12A	4449	A -14 3297
84		9.6A	14 38.318	0.0006	18	-17 4 55.48	-0.005	13	0.32	38.308	18	33.2	55.40	16	33.2	G0 J	12A	4450	A -16 3220
85		9.4A	14 40.408	-0.0001	21	-16 1 15.58	-0.020	15	0.35	40.409	18	33.2	15.24	16	33.2	K0 J	12A	4451	A -15 3231
86		8.6A	14 53.088	-0.0018	12	-10 35 43.85	0.001	12	0.25	53.118	16	33.3	43.87	16	33.3	K2	16	4248	A -10 3232
87		9.0A	14 56.689	-0.0043	17	-18 32 45.32	-0.004	13	0.30	56.762	18	33.2	45.25	16	33.2	F8 J	12B	4957	A -18 3147
88		8.8A	15 3.688	-0.0018	13	-10 49 42.50	-0.006	15	0.29	3.718	18	33.2	42.40	16	33.2	K2 J	11	4241	A -10 3234
89		9.1A	15 30.070	-0.0024	21	-15 32 54.37	0.012	15	0.35	30.110	18	33.2	54.57	16	33.2	F2 J	12A	4453	A -15 3236
90		8.8A	15 31.218	0.0016	15	-12 44 53.89	0.014	17	0.31	31.192	18	33.2	54.12	16	33.2	K2 J	11	4242	A -12 3391
91		9.1A	15 34.495	0.0005	21	-17 1 43.30	0.029	15	0.35	34.487	18	33.2	43.79	16	33.2	K0 J	12A	4454	A -16 3222
92		8.8A	15 38.421	-0.0016	21	-17 18 10.56	-0.013	15	0.35	38.448	18	33.2	10.35	16	33.2	M0 J	12A	4455	A -16 3223
93		8.8A	15 45.781	0.0010	13	-13 7 0.93	-0.072	15	0.29	45.765	18	33.2	-59.72	16	33.2	F5 J	11	4243K	A -12 3393
94		9.0A	15 46.037	-0.0023	15	-13 9 1.19	-0.026	17	0.31	46.076	18	33.2	0.75	16	33.2	G	11	4244	A -12 3394
95		9.0A	15 51.069	-0.0025	21	-16 16 40.69	0.002	15	0.35	51.111	18	33.2	40.73	16	33.2	A2 J	12A	4456	A -15 3238
96		9.4A	16 3.607	-0.0027	21	-17 22 14.09	-0.011	15	0.35	3.653	18	33.2	13.91	16	33.2	F5 J	12A	4457	A -16 3225
97		8.9A	16 9.848	-0.0009	18	-12 10 24.43	-0.043	20	0.36	9.864	18	33.2	23.71	16	33.2	K0 J	11	4245	A -11 3072
98		8.9A	16 10.112	0.0019	17	-13 41 47.72	-0.011	18	0.34	10.081	18	33.2	47.54	16	33.2	F5 J	11	4246	A -13 3342
99		9.2A	16 23.943	-0.0020	21	-18 5 15.07	-0.011	15	0.35	23.977	18	33.2	14.89	16	33.2	F8 J	12A	4458	A -17 3351
00		8.7A	16 29.933	-0.0012	17	-11 8 37.39	-0.014	18	0.34	29.952	18	33.2	37.16	16	33.2	K2 J	11	4248	A -10 3240

156600

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	σ_μ ″.001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	SOURCE CAT.	STAR NUMBER	-10° 11H DM NUMBER
1		9.1A	11 16 38.245	-0.0010	21	-18 14 18.01	-0.003	15	0.35	38.262	18	33.2	17.97	16	33.2	F J	12A	4459	A -17 3352
2		7.9A	16 39.947	-0.0013	17	-19 57 6.57	0.004	13	0.30	39.926	18	33.2	6.64	16	33.2	F2 J	12B	4966	A -19 3230
3		8.6A	16 42.768	-0.0013	18	-15 58 18.74	0.001	13	0.32	42.790	18	33.2	18.76	16	33.2	M1 J	12A	4460	A -15 3241
4		9.2A	16 45.425	-0.0042	17	-19 33 17.93	-0.005	13	0.30	45.496	18	33.2	17.85	16	33.2	F8 J	12B	4967	A -19 3231
5		3.8H	16 50.293	-0.0088	01	-14 30 27.65	0.201	01	0.04	50.671	02	06.9	36.37	02	06.7	K0	F4	426	-13 3345
6		9.0A	17 4.872	-0.0014	17	-10 56 54.76	-0.029	18	0.34	4.894	18	33.2	54.28	16	33.2	K0 J	11	4250	A -10 3242
7		9.4A	17 5.619	-0.0022	18	-17 13 54.65	-0.012	13	0.32	5.657	18	33.2	54.45	16	33.2	F8 J	12A	4462	A -16 3229
8		8.7A	17 9.501	-0.0030	18	-11 29 27.76	-0.029	20	0.36	9.551	18	33.2	27.28	16	33.2	F2 J	11	4251	A -10 3243
9		8.8A	17 14.538	-0.0007	21	-15 57 33.66	-0.055	15	0.35	14.550	18	33.2	32.74	16	33.2	K0 J	12A	4463	A -15 3242
10		8.9A	17 17.767	-0.0009	21	-15 2 16.08	0.017	15	0.35	17.782	18	33.2	16.36	16	33.2	G5 J	12A	4464	A -14 3305
11		9.0A	17 20.957	0.0015	21	-17 37 52.54	-0.005	15	0.35	20.933	18	33.2	52.47	16	33.2	M0 J	12A	4465	A -17 3353
12		8.6A	17 31.119	-0.0015	18	-10 49 17.82	0.038	20	0.36	31.144	18	33.2	18.46	16	33.2	K0 J	11	4252	A -10 3246
13		9.0A	17 40.030	0.0019	21	-14 29 39.15	-0.025	15	0.35	39.998	18	33.2	38.74	16	33.2	K2 J	12A	4466	A -13 3347
14		7.5A	17 41.825	0.0059	15	-19 18 10.03	-0.047	11	0.28	41.727	18	33.2	9.24	16	33.2	G0 J	12B	4973	A -18 3154
15		7.7A	17 42.058	-0.0033	17	-13 36 38.76	-0.007	18	0.34	42.113	16	33.2	38.65	16	33.2	K0 J	11	4254	A -13 3350
16		8.8A	17 55.548	-0.0021	18	-17 12 3.53	-0.021	13	0.32	55.583	18	33.2	3.18	16	33.2	K2 J	12A	4467	A -16 3232
17		8.4A	17 56.151	-0.0040	17	-18 38 40.84	-0.011	13	0.30	56.219	18	33.2	40.66	16	33.2	F0 J	12B	4975	A -18 3156
18		6.7T	17 59.982	-0.0074	13	-10 1 14.82	-0.006	11	0.62	+ 0.342	18	01.3	14.53	15	00.3	K0	GC	15589	-9 3265
19		8.9A	18 1.380	-0.0024	18	-12 24 0.81	0.012	20	0.36	1.420	18	33.2	1.01	16	33.2	K2 J	11	4255	A -11 3078
20		8.9A	18 23.269	-0.0019	17	-19 0 39.84	0.008	13	0.30	23.301	18	33.2	39.97	16	33.2	F5 J	12B	4977	A -18 3157
21		9.2A	18 23.367	-0.0014	21	-14 33 32.74	0.028	15	0.35	23.389	18	33.2	33.20	16	33.2	K2 J	12A	4469	A -14 3307
22		9.0A	18 25.721	-0.0006	15	-11 53 42.31	0.007	17	0.31	25.732	18	33.2	42.43	16	33.2	G5 J	11	4256	A -11 3079
23		9.1A	18 25.481	-0.0006	15	-18 27 2.42	-0.024	11	0.28	25.491	18	33.2	2.02	16	33.2	G5 J	12B	4978	A -17 3359
24		8.1A	18 37.989	-0.0016	15	-13 48 28.03	0.045	17	0.31	38.015	18	33.2	28.79	16	33.2	A5 J	11	4258	A -13 3353
25		8.1A	19 0.268	-0.0106	15	-12 25 29.86	0.051	17	0.31	0.445	18	33.2	30.71	16	33.2	F8 J	11	4259	A -11 3081
26		8.8A	19 7.890	-0.0045	15	-18 41 25.24	0.009	11	0.28	7.966	18	33.2	25.39	16	33.2	K0 J	12B	4981	A -18 3159
27		9.4A	19 17.819	-0.0027	21	-14 47 38.50	-0.011	15	0.35	17.864	18	33.2	38.31	16	33.2	K5 J	12A	4472	A -14 3308
28		9.3A	19 20.763	-0.0015	17	-14 35 55.02	0.009	18	0.34	20.798	18	33.2	55.17	16	33.2	F5 J	11	4260	A -14 3309
29		8.2A	19 27.455	-0.0031	13	-12 56 10.75	0.003	15	0.29	27.508	18	33.2	10.81	16	33.2	K0 J	11	4261	A -12 3409
30		9.1A	19 38.157	-0.0005	21	-17 33 5.20	-0.012	15	0.35	38.165	18	33.2	5.01	16	33.2	F8 J	12A	4473	A -17 3363
31		8.8A	19 59.875	-0.0003	15	-12 22 36.32	0.028	15	0.30	59.881	18	33.4	38.78	16	33.4	F8 J	11	4262	A -11 3083
32		9.0A	20 2.302	-0.0007	21	-16 6 6.48	-0.002	15	0.35	2.313	18	33.4	6.45	16	33.4	K2 J	12A	4474	A -15 3254
33		8.9A	20 6.898	-0.0005	15	-10 53 42.42	0.027	17	0.31	6.905	18	33.4	42.87	16	33.4	K0 J	11	4263	A -10 3252
34		9.2A	20 8.173	0.0020	21	-18 19 22.98	-0.035	15	0.35	8.140	18	33.4	22.41	16	33.4	F8 J	12A	4475	A -17 3364
35		9.2A	20 11.553	-0.0029	21	-17 56 24.54	-0.009	15	0.35	11.602	18	33.4	24.40	16	33.4	G0 J	12A	4476	A -17 3365
36		8.7A	20 12.215	-0.0019	21	-15 53 29.72	-0.005	15	0.35	12.247	18	33.4	29.64	16	33.4	A0 J	12A	4477	A -15 3255
37		9.1A	20 12.349	0.0003	18	-17 2 20.54	-0.023	13	0.31	12.343	18	33.4	20.16	16	33.4	F8 J	12A	4478	A -16 3237
38		7.9A	20 14.803	-0.0016	17	-19 35 33.59	-0.046	13	0.30	14.829	18	33.4	32.83	16	33.4	F8 J	12B	4987	A -19 3249
39		9.0A	20 15.939	-0.0003	21	-18 14 19.53	-0.007	15	0.35	15.944	18	33.4	19.42	16	33.4	F2 J	12A	4479	A -17 3366
40		9.4A	20 27.171	-0.0037	18	-14 25 54.01	-0.055	13	0.31	27.232	18	33.4	53.10	16	33.4	G5 J	12A	4480	A -13 3357
41		8.3A	20 34.800	-0.0040	21	-16 19 49.55	-0.005	15	0.35	34.866	18	33.4	49.46	16	33.4	F5 J	12A	4481	A -15 3256
42		8.6A	20 36.838	0.0004	18	-14 25 3.65	0.036	13	0.31	36.830	18	33.4	4.26	16	33.4	K2 J	12A	4482	A -13 3359
43		9.1A	20 43.310	-0.0032	15	-12 37 16.49	-0.009	17	0.31	43.363	18	33.4	16.34	16	33.4	F8 J	11	4266	A -12 3417
44		8.7A	20 46.883	0.0008	17	-19 42 45.38	0.026	13	0.30	46.870	18	33.4	45.81	16	33.4	K2 J	12B	4991	A -19 3251
45		7.9A	20 51.710	-0.0013	15	-11 49 29.61	-0.011	17	0.31	51.732	18	33.4	29.42	16	33.4	K2 J	11	4267	A -11 3085
46		5.1T	20 52.949	-0.0222	03	-18 30 18.07	-0.039	03	0.21	54.239	09	91.8	15.77	09	91.5	F2	GC	15644	B*-17 3367
47		8.2A	21 1.260	-0.0008	21	-17 20 46.26	-0.009	15	0.35	1.273	18	33.4	46.12	16	33.4	K0 J	12A	4484	A -16 3238
48		8.8A	21 3.497	-0.0015	21	-18 2 44.07	-0.008	15	0.35	3.523	18	33.4	44.01	16	33.4	K0 J	12A	4485	A -17 3368
49		7.9A	21 14.715	0.0004	11	-10 8 53.46	-0.003	11	0.24	14.708	16	33.4	53.41	16	33.4	K0	16	4277K	A -9 3274
50		8.6A	21 23.215	0.0002	17	-19 37 59.94	-0.017	13	0.30	23.213	18	33.4	59.66	16	33.4	M4 J	12B	4995	A -19 3254
51		8.8A	11 21 31.111	-0.0035	15	-13 5 58.23	0.048	17	0.31	31.170	18	33.4	59.03	16	33.4	K5 J	11	4268	A -12 3420
52		8.4A	21 35.444	-0.0008	12	-10 24 11.53	-0.035	12	0.25	35.458	16	33.4	10.96	16	33.4	K5	16	4279	A -9 3275
53		8.0A	21 38.790	-0.0015	15	-10 50 58.74	-0.062	17	0.31	38.814	18	33.4	57.88	16	33.4	F5 J	11	4270	A -10 3257
54		8.6A	21 39.826	-0.0016	15	-18 42 11.83	-0.011	11	0.27	39.853	18	33.4	11.65	16	33.4	K0 J	12B	4997	A -18 3167
55		9.0A	21 40.772	-0.0029	17	-10 46 13.82	-0.004	18	0.34	40.820	18	33.4	13.76	16	33.4	K J	11	4271	A -10 3258
56		8.7A	21 43.718	-0.0001	17	-12 37 49.47	-0.035	18	0.34	43.720	18	33.4	48.89	16	33.4	F2 J	11	4272	A -12 3421
57		8.9A	21 47.900	-0.0018	18	-11 23 44.76	-0.020	20	0.36	47.930	18	33.4	44.43	16	33.4	M0 J	11	4273	A -10 3259
58		5.1T	22 4.913	-0.0022	03	-10 35 5.39	0.021	03	0.22	5.036	10	94.5	6.70	09	88.2	K5	GC	15665	B*-10 3260
59		8.8A	22 10.961	-0.0016	17	-19 13 4.81	-0.030	13	0.30	10.987	18	33.4	4.31	16	33.4	F5 J	12B	5001	A -18 3169
60		9.0A	22 13.115	-0.0038	18	-19 33 51.92	-0.022	13	0.31	13.178	18	33.4	51.55	16	33.4	G0 J	12B	5002	A -19 3259
61		4.1H	22 22.850	-0.0072	01	-17 24 32.96	-0.001	01	0.06	23.128	03	11.2	32.91	04	11.2	A5	F4	431	-16 3244
62		8.8A	22 28.480	0.0002	18	-10 55 58.57	-0.014	20	0.36	28.476	18	33.4	58.34	16	33.4	F2 J	11	4275	A -10 3263
63		8.8A	22 30.943	-0.0048	18	-12 16 21.08	-0.036	20	0.36	31.024	18	33.4	20.48	16	33.4	K0 J	11	4276	A -11 3090
64		8.0A	22 44.894	-0.0034	21	-18 19 56.03	-0.034	15	0.35	44.951	18	33.4	55.47	16	33.4	A5 J	12A	4488	A -17 3372
65		8.5A	22 46.514	-0.0049	15	-11 41 5.10	0.004	17	0.31	46.596	18	33.4	5.17	16	33.4	F2 J	11	4277	A -11 3091
66		8.4A	22 54.628	-0.0018	17	-11 53 31.14	0.011	18	0.34	54.658	18	33.4	31.32	16	33.4	K2 J	11	4278	A -11 3092
67		9.4A	22 58.488	0.0005	21	-15 53 32.83	-0.007	15	0.35	58.479	18	33.4	32.95	16	33.4	M0 J	12A	4489	A -15 3263
68		9.4A	23 8.428	-0.0034	21	-17 8 27.58	-0.024	15	0.35	8.441	18	33.4	27.19	16	33.4	K0 J	12A	4490	A -16 3247
69		9.1A	23 10.649	-0.0023	15	-13 45 27.63	-0.008	20	0.34	10.686	18	33.4	27.50	16	33.4	F8 J	11	4279	A -13 3364
70		7.3A	23 11.418	-0.0032	18	-14 15 44.01	0.001	20	0.36	11.472	18	33.4	44.03	16	33.4	K5 J	11	4280	A -13 3365
71		9.5A	23 14.752	-0.0023	18	-15 52 14.78	-0.003	13	0.31	14.790	18	33.4	14.74	16	33.4	F8 J	12A	4491	A -15 3264
72		7.0T	23 22.726	-0.0037	14	-13 28 33.18	0.015	12	0.68	22.908	19	00.8	33.95	18	98.7	M0	GC	15690	-12 3423
73		9.0A	23 31.167	-0.0007	21	-14 40 26.50	-0.015	15	0.35	31.198	18	33.4	26.25	16	33.4	F8 J	12A	4492	A -14 3321
74		9.1A	23 39.400	-0.0009	00	-19 43 51.43	0.058	13	0.23	39.414	18	33.4	52.40	16	33.4	G5 J	12B	5011	A*-19 3267
75		8.6A	23 41.571	-0.0029	11	-18 48 7.24	0.021	09	0.24	41.619	18	33.4	7.59	16	33.4	K0 J	12B	5012	A -18 3172
76		9.5A	23 45.854	-0.0017	11	-10 28 0.24	-0.029	11	0.24	45.882	16	33.4	-59.76	16	33.4	A2	16	4290	A -9 3284
77		8.9A	23 46.474	-0.0017	12	-10 28 19.43	-0.008	12	0.25	46.501	16	33.4	19.30	16	33.4	A2	16	4291	A -9 3284
78		8.4A	23 48.361	-0.0036	21	-17 49 12.47	-0.022	15	0.35	48.420	18	33.4	12.11	16	33.4	F5 J	12A	4493	A -17 3379
79		9.4A	23 56.024	-0.0011	21	-18 8 25.32	-0.003	15	0.35	56.042	18	33.4	25.28	16	33.4	A0 J	12A	4494	A -17 3380
80		9.2A	24 2.662	-0.0062	18	-13 23 17.17	-0.031	20	0.36	2.799	18	33.4	16.65	16	33.4	G0 J	11	4284	A -12 3426
81		8.4A	24 11.484	-0.0042	17	-18 47 56.37	-0.025	13	0.30	11.555	18	33.4	55.95	16	33.4	K0 J	12B	5016	A -18 3174
82		8.5A	24 14.296	-0.0033	12	-10 7 38.84	-0.022	12	0.25	14.351	16	33.4	38.48	16	33.4	A2	16	4293	A -9 3287
83		8.9A	24 31.513	-0.0013	13	-19 10 33.13	-0.012	09	0.26	31.533	18	33.4	32.93	16	33.4	G0 J	12B	5017	A -18 3177
84		7.4T	24 32.026	0.0011	17	-18 55 29.65	-0.056	17	0.83	31.973	24	03.8	26.96	21	02.2	K2	GC	15711	-18 3178
85		6.0T	24 38.231	-0.0072	02	-12 4 54.43	0.015	02	0.13	38.577	05	02.0	55.15	05	02.0	F8	GC	15714	B*-11 3098
86		8.4A	24 39.735	-0.0014	21	-15 22 13.58	-0.182	15	0.35	39.758	18	33.4	10.55	16	33.4	K0 J	12A	4495K	A -14 3326
87		8.9A	24 42.615	-0.0028	21	-17 59 33.77	-0.013	15	0.35	42.662	18	33.4	33.56	16	33.4	K0 J	12A	4496	A -17 3385
88		8.9A	24 50.584	0.0022	18	-12 11 24.55	0.046	20	0.36	50.548	18	33.4	25.32	16	33.4	G5 J	11	4286	A -11 3099
89		8.4A	24 53.650	-0.0010	21	-18 14 39.70	-0.023	15	0.35	53.667	18	33.4	39.33	16	33.4	K0 J	12A	4497	A -17 3386
90		7.7G	24 58.970	-0.0055	07	-12 9 34.95	-0.049	07	0.40	59.238	18	01.3	32.38	17	97.4	G5	GC	15719	-11 3100
91		8.3A	25 4.690	-0.0016	18	-12 49 47.31	-0.025	20	0.36	4.716	18	33.4	46.90	16	33.4	M0 J	11	4288	A -12 3432
92		8.4A	25 16.855	-0.0022	21	-17 52 40.73	-0.027	15	0.35	16.892	18	33.4	40.29	16	33.4	K0 J	12A	4498	A -17 3388
93		9.0A	25 19.532	-0.0022	21	-15 35 4.32	0.002	15	0.35	19.568	18	33.4	4.36	16	33.4	G0 J	12A	4499	A -15 3270
94		9.0A	25 21.884	-0.0020	15	-10 44 24.37	0.006	17	0.31	21.918	18	33.4	24.47	16	33.4	G0 J	11	4289	A -10 3270
95		8.6A	25 23.172	-0.0014	17	-10 47 7.57	-0.069	18	0.34	23.194	18	33.4	6.42	16	33.4	F5 J	11	4290	A -10 3271
96		8.6A	25 27.422	-0.0009	15	-18 58 26.19	-0.027	11	0.27	27.436	18	33.4	25.74	16	33.4	K5 J	12B	5025	A -18 3180
97		8.8A	25 38.680	-0.0007	17	-18 35 10.26	-0.013	13	0.30	38.690	18	33.4	10.04	16	33.4	K5 J	12B	5029	A -18 3182
98		7.2T	25 42.206	-0.0036	15	-15 36 38.04	-0.033	13	0.65	42.362	19	06.3	39.55	17	04.5	A0	GC	15739	-15 3272
99		9.0A	25 43.716	-0.0040	21	-16 20 23.08	-0.002	15	0.35	43.782	18	33.4	23.05	16	33.4	F5 J	12A	4502	A -15 3273
00		8.5A	25 44.689	-0.0020	18	-18 22 0.48	-0.017	13	0.31	44.722	18	33.4	0.20	16	33.4	K0 J	12B	5030	A -17 3389

156700			EPOCH 1950								ORIGINAL EPOCH							SP.	SOURCE		-10° 11H
NUMBER	MAGNITUDES		α_{1950}	μ	σ_μ	δ_{1950}	μ'	σ_μ	σ_{1950}		α_2	σ	ep.	δ_2	σ'	ep.			CAT.	STAR NUMBER	DM NUMBER
	m_{pg}	m_v	h m s	s	″.001	° ′ ″	″	″.001	″		s	″.01		″	″.01						
1		8.8A	11 25 51.756	-0.0021	21	-18 6 11.15	0.005	15	0.35		51.791	18	33.4	11.24	16	33.4	K2	J	12A	4504	A -17 3391
2		8.5A	26 9.248	-0.0002	15	-12 1 57.07	-0.012	17	0.31		9.253	18	33.4	56.87	16	33.4	K2	J	11	4291	A -11 3105
3		8.1A	26 21.269	-0.0015	21	-16 19 8.48	-0.014	15	0.35		21.294	18	33.4	8.25	16	33.4	M1	J	12A	4505	A -15 3275
4		8.6A	26 25.871	-0.0006	15	-10 45 53.37	-0.009	17	0.31		25.881	18	33.4	53.22	16	33.4	K0	J	11	4292	A -10 3275
5		8.7A	26 33.697	-0.0006	15	-19 31 3.18	-0.006	11	0.27		33.707	18	33.4	3.08	16	33.4	G0	J	12B	5032	A -18 3184
6		8.8A	26 42.559	0.0050	21	-17 4 30.99	-0.020	15	0.35		42.476	18	33.4	30.66	16	33.4	G0	J	12A	4506K	A -16 3258
7		8.5A	26 43.730	0.0028	18	-17 4 55.14	-0.008	13	0.31		43.684	18	33.4	55.02	16	33.4	G0	J	12A	4507	A -16 3259
8		8.9A	26 44.670	-0.0016	18	-14 50 10.60	-0.032	13	0.31		44.696	18	33.4	10.06	16	33.4	K2	J	12A	4508	A -14 3332
9		8.8A	26 49.277	-0.0031	17	-13 31 30.06	-0.038	18	0.34		49.328	18	33.4	29.44	16	33.4	F2	J	11	4293	A -13 3377
10		9.2A	27 1.297	-0.0022	21	-16 28 54.47	-0.023	15	0.35		1.332	18	33.4	54.09	16	33.4	K5	J	12A	4509	A -15 3278
11		9.4A	27 6.269	-0.0049	21	-18 0 38.51	-0.003	15	0.35		6.350	18	33.4	38.47	16	33.4	K0	J	12A	4510	A -17 3394
12		8.9A	27 11.900	-0.0018	17	-18 8 14.83	-0.014	13	0.30		11.930	18	33.4	14.60	16	33.4	A0	J	12A	4511	A -17 3396
13		8.2A	27 26.811	-0.0010	17	-17 29 36.19	-0.039	12	0.29		26.827	18	33.4	35.55	16	33.4	M0	J	12A	4512	A -16 3262
14		8.4A	27 28.828	-0.0056	21	-17 36 35.47	-0.040	15	0.35		28.922	18	33.4	34.81	16	33.4	K0	J	12A	4513	A -17 3398
15		8.7A	27 34.525	-0.0038	12	-10 21 46.76	-0.108	12	0.25		34.587	16	33.4	44.97	16	33.4	G5		16	4305	A -9 3300
16		8.7A	27 38.305	-0.0013	15	-19 56 30.85	-0.022	11	0.27		38.328	18	33.4	30.48	16	33.4	A2	J	12B	5035	A -19 3275
17		9.4A	27 44.862	-0.0006	21	-17 54 25.94	-0.038	15	0.35		44.873	18	33.4	25.31	16	33.4	F2	J	12A	4514	A -17 3400
18		8.8A	27 49.703	-0.0041	15	-14 11 2.21	0.034	17	0.31		49.770	18	33.4	2.78	16	33.4	G0	J	11	4295	A -13 3379
19		9.0A	27 51.968	-0.0020	21	-17 29 15.83	-0.001	15	0.35		52.001	18	33.4	15.82	16	33.4	K0	J	12A	4515	A -16 3265
20		9.1A	27 54.956	-0.0067	21	-15 2 47.63	0.016	15	0.35		55.068	18	33.4	47.89	16	33.4	G0	J	12A	4516	A -14 3338
21		8.8A	28 0.927	-0.0006	15	-13 1 35.53	0.037	17	0.31		0.937	18	33.4	36.14	16	33.4	F8	J	11	4296	A -12 3441
22		7.0T	28 6.952	0.0018	14	-12 46 24.99	-0.060	12	0.69		6.864	24	00.2	21.93	18	98.9	F0		GC	15786	-12 3442
23		9.6A	28 9.494	-0.0014	11	-10 18 48.12	-0.020	11	0.24		9.517	16	33.4	47.80	16	33.4	F8	R	16	4307	A -9 3301
24		8.3A	28 13.388	-0.0002	17	-19 37 12.72	-0.012	13	0.30		13.392	18	33.4	12.52	16	33.4	K0	J	12B	5039	A -19 3280
25		9.3A	28 18.271	-0.0021	17	-12 43 26.16	-0.045	18	0.34		18.306	18	33.4	25.41	16	33.4	G0	J	11	4298	A -12 3443
26		8.4A	28 21.425	-0.0017	18	-19 33 21.84	-0.036	13	0.31		21.453	18	33.4	21.24	16	33.4	F0	J	12B	5042	A -19 3281
27		9.0A	28 23.590	0.0039	15	-10 57 7.39	-0.046	17	0.31		23.525	18	33.4	6.63	16	33.4	K0	J	11	4299	A -10 3281
28		8.0A	28 26.027	-0.0055	15	-19 55 25.16	-0.049	11	0.27		26.118	18	33.4	24.35	16	33.4	F5	J	12B	5044	A -19 3282
29		8.9A	28 29.075	-0.0020	15	-11 30 46.27	-0.035	17	0.31		29.109	18	33.4	45.69	16	33.4	K0	J	11	4300	A -10 3283
30		9.4A	28 51.823	-0.0005	21	-17 30 12.61	0.035	15	0.35		51.831	18	33.4	13.20	16	33.4	K5	J	12A	4517	A -16 3269
31		9.2A	28 55.995	0.0019	12	-10 17 46.86	-0.027	12	0.25		55.962	16	33.4	46.42	16	33.4	G0	R	16	4310	A -9 3307
32		9.3A	29 9.355	-0.0036	15	-12 6 19.94	-0.019	17	0.31		9.416	18	33.4	19.63	16	33.4	M5	J	11	4301	A -11 3114
33		9.4A	29 13.153	-0.0019	18	-17 16 42.01	0.011	13	0.31		13.184	18	33.4	42.20	16	33.4	F8	J	12A	4518	A -16 3270
34		9.1A	29 19.052	-0.0026	11	-10 18 41.66	0.004	11	0.24		19.095	16	33.4	41.73	16	33.4	F8		16	4312	A -9 3308
35		9.2A	29 22.964	0.0000	21	-17 57 50.46	-0.051	15	0.35		22.964	18	33.4	49.62	16	33.4	A5	J	12A	4519	A -17 3404
36		8.9A	29 25.846	0.0001	15	-18 29 31.69	-0.016	11	0.27		25.844	18	33.4	31.43	16	33.4	F8	J	12B	5049	A -17 3405
37		8.9A	29 37.007	-0.0014	15	-11 5 12.89	0.010	15	0.30		36.985	18	33.4	13.06	16	33.4	K2	J	11	4302	A -10 3286
38		9.5A	29 39.222	-0.0028	21	-17 22 30.13	0.015	15	0.35		39.269	18	33.4	30.39	16	33.4	F2	J	12A	4521	A -16 3274
39		7.7A	29 43.753	-0.0056	15	-12 7 13.77	0.001	17	0.31		43.847	18	33.4	13.79	16	33.4	K2	J	11	4303	A -11 3116
40		9.1A	29 50.999	0.0027	17	-19 38 18.04	-0.004	13	0.30		50.954	18	33.4	17.97	16	33.4	K0	J	12B	5050	A -19 3288
41		9.0A	29 52.431	0.0003	15	-11 24 54.84	-0.003	15	0.30		52.425	18	33.4	54.79	16	33.4	K5	J	11	4304	A -10 3288
42		9.2A	30 1.893	-0.0000	15	-13 54 31.80	0.010	18	0.32		1.893	18	33.4	31.96	16	33.4	K0	J	11	4305	A -13 3392
43		8.2A	30 8.352	-0.0014	15	-18 35 40.53	-0.017	11	0.27		8.376	18	33.4	40.25	16	33.4	K0	J	12B	5052	A -18 3198
44		9.4A	30 10.384	-0.0009	21	-17 11 57.73	-0.043	15	0.35		10.398	18	33.4	57.01	16	33.4	K0	J	12A	4523	A -16 3275
45		8.6A	30 11.626	-0.0010	21	-16 21 14.38	0.007	15	0.35		11.643	18	33.4	14.49	16	33.4	F5	J	12A	4524	A -15 3291
46		8.7A	30 16.620	-0.0023	15	-12 17 31.15	0.012	15	0.30		16.658	18	33.4	31.34	16	33.4	A0	J	11	4306	A -11 3121
47		8.8A	30 19.397	0.0024	15	-11 45 25.28	-0.160	15	0.30		19.357	18	33.4	22.61	16	33.4	A2	J	11	4307	A -11 3123
48		8.9A	30 34.978	0.0002	17	-19 32 21.92	-0.012	13	0.30		34.975	18	33.4	21.72	16	33.4	A5	J	12B	5054	A -19 3291
49		8.8A	30 38.292	-0.0006	15	-18 26 27.26	-0.040	11	0.27		38.301	18	33.4	26.59	16	33.4	G5	J	12B	5055	A -17 3409
50		6.0T	30 43.255	-0.0004	15	-16 0 12.84	-0.049	12	0.64		43.272	18	05.2	10.55	17	02.9	G0		GC	15847	-15 3295
51		9.1A	11 31 18.869	0.0000	12	-10 0 50.71	0.008	12	0.25		18.869	16	33.4	50.83	16	33.4	K2	R	16	4320	A -9 3318
52		9.2A	31 31.030	-0.0011	21	-14 22 48.26	-0.011	15	0.35		31.049	18	33.4	48.09	16	33.4	K0	J	12A	4527	A -13 3397
53		9.0A	31 32.069	-0.0014	17	-18 30 20.27	0.019	11	0.29		32.092	18	33.4	20.59	16	33.4	K0	J	12B	5063	A -17 3413
54		7.2T	31 32.408	0.0026	17	-15 46 8.94	0.001	15	0.76		32.289	21	04.5	9.01	18	02.9	K2		GC	15863	-15 3297
55		9.0A	31 35.168	0.0002	21	-16 7 30.72	0.012	15	0.35		35.165	18	33.4	30.91	16	33.4	F0	J	12A	4530	A -15 3298
56		8.3A	31 42.839	-0.0117	15	-12 35 14.77	0.035	17	0.31		43.033	18	33.4	15.34	16	33.4	F8	J	11	4309	A -12 3455
57		8.9A	31 44.378	-0.0022	15	-13 44 39.75	-0.007	17	0.31		44.415	18	33.4	39.63	16	33.4	G5	J	11	4310	A -13 3399
58		8.8A	31 47.835	-0.0066	21	-15 14 7.68	-0.014	15	0.35		47.944	18	33.4	7.92	16	33.4	F8	J	12A	4531	A -14 3349
59		9.4A	31 51.038	0.0032	21	-16 49 56.63	-0.003	15	0.35		50.984	18	33.4	56.57	16	33.4	G0	J	12A	4532	A -16 3280
60		8.3A	31 56.103	0.0005	15	-13 31 49.68	0.003	17	0.31		56.095	18	33.4	49.73	16	33.4	K0	J	11	4311	A -13 3406
61		9.0A	32 6.011	0.0020	21	-15 17 46.10	-0.012	15	0.35		5.978	18	33.4	45.91	16	33.4	F5	J	12A	4533	A -14 3350
62		8.9A	32 11.817	0.0019	15	-11 43 26.76	0.021	15	0.30		11.786	18	33.4	27.10	16	33.4	F8	J	11	4312	A -11 3128
63		9.4A	32 14.179	0.0005	21	-16 51 35.99	-0.004	15	0.35		14.170	18	33.4	35.92	16	33.4	G5	J	12A	4534	A -16 3281
64		9.5A	32 20.771	0.0005	21	-15 41 12.35	0.000	15	0.35		20.762	18	33.4	12.36	16	33.4	F2	J	12A	4535	A -15 3302
65		7.7A	32 22.938	-0.0041	13	-11 48 40.64	0.034	15	0.29		23.007	18	33.4	41.20	16	33.4	K0	J	11	4313	A -11 3129
66		9.5A	32 31.787	0.0001	21	-18 11 6.71	-0.016	15	0.35		31.785	18	33.4	6.44	16	33.4	F5	J	12A	4536	A -17 3416
67		9.2A	32 41.092	-0.0065	18	-18 19 17.02	0.040	13	0.31		41.200	18	33.4	17.68	16	33.4	F8	J	12A	4537	A -17 3417
68		8.8A	32 50.236	-0.0009	21	-15 49 31.71	0.005	15	0.35		50.250	18	33.4	31.81	16	33.4	K0	J	12A	4538	A -15 3303
69		9.0A	32 59.713	0.0002	21	-14 24 20.17	0.029	15	0.35		59.709	18	33.4	20.64	16	33.4	K2	J	12A	4540	A -14 3305
70		8.5A	32 59.750	-0.0003	15	-19 15 23.36	0.005	11	0.27		59.755	18	33.4	23.44	16	33.4	K5	J	12B	5070	A -18 3203
71		7.0T	33 0.966	-0.0024	16	-12 7 57.57	-0.134	12	0.68		1.072	21	05.1	51.00	19	01.1	F5		GC	15891	-11 3132
72		8.7A	33 6.274	0.0005	15	-14 11 5.79	-0.004	17	0.31		6.265	18	33.4	5.72	16	33.4	K0	J	11	4316	A -13 3406
73		8.6A	33 10.882	-0.0002	15	-14 18 59.62	-0.010	17	0.31		10.885	18	33.4	59.46	16	33.4	R0	J	11	4317	A -13 3407
74		8.9A	33 11.132	-0.0009	21	-15 31 20.95	0.010	15	0.35		11.148	18	33.4	21.11	16	33.4	K2	J	12A	4541	A -14 3355
75		8.8A	33 13.351	0.0007	21	-17 39 2.16	-0.013	15	0.35		13.339	18	33.4	1.93	16	33.4	M3	J	12A	4542	A -17 3418
76		8.8A	33 25.909	-0.0035	21	-15 1 47.96	-0.073	15	0.35		25.967	18	33.4	46.76	16	33.4	F8	J	12A	4543	A -14 3357
77		9.5A	33 33.458	-0.0026	18	-15 17 27.83	0.008	13	0.31		33.501	18	33.4	27.97	16	33.4	F5	J	12A	4544	A -14 3358
78		9.4A	33 36.079	-0.0006	12	-10 6 45.79	-0.003	12	0.25		36.089	16	33.4	45.73	16	33.4	K2	R	16	4325	A -9 3324
79		9.1A	33 38.749	0.0007	15	-11 14 14.91	0.034	17	0.31		38.737	18	33.4	15.47	16	33.4	K7	J	11	4318	A -10 3300
80		7.9A	33 52.837	-0.0053	11	-10 9 32.91	0.012	11	0.24		52.926	16	33.4	33.10	16	33.4	F5		16	4327	A -9 3325
81		9.2A	33 54.532	0.0004	21	-17 58 50.79	-0.008	15	0.35		54.525	18	33.4	50.65	16	33.4	K0	J	12A	4545	A -17 3420
82		9.0A	33 56.450	-0.0033	15	-13 37 55.25	-0.047	17	0.31		56.503	18	33.4	54.46	16	33.4	G0	J	11	4319	A -13 3409
83		7.0T	33 57.679	-0.0120	18	-16 34 20.23	-0.097	14	0.81		58.229	24	04.1	15.39	21	00.3	G0		GC	15911	-16 3290
84		8.8A	34 9.282	-0.0014	15	-12 5 32.10	0.038	17	0.31		9.305	18	33.4	32.72	16	33.4	F5	J	11	4320	A -11 3135
85		9.0A	34 11.157	-0.0018	15	-18 41 34.86	0.001	11	0.27		11.186	18	33.4	34.88	16	33.4	G0	J	12B	5076	A -18 3208
86		8.5A	34 17.611	0.0010	15	-12 4 23.45	-0.050	15	0.30		17.594	18	33.4	22.62	16	33.4	G5	J	11	4321K	A -11 3136
87		8.5A	34 18.316	-0.0036	17	-18 59 48.30	0.029	13	0.30		18.376	18	33.4	48.78	16	33.4	K0	J	12B	5077	A -18 3209
88		7.3A	34 47.709	0.0032	15	-12 4 8.21	-0.109	17	0.31		47.656	18	33.4	6.40	16	33.4	K0	J	11	4322	A -11 3138
89		9.2A	35 3.334	-0.0036	21	-16 39 0.25	-0.036	15	0.35		3.394	18	33.4	59.65	16	33.4	A0	J	12A	4549	A -16 3293
90		9.1A	35 3.374	-0.0026	21	-16 39 13.47	-0.000	15	0.35		3.417	18	33.4	13.46	16	33.4	A0	J	12A	4548	A -16 3293
91		8.9A	35 8.583	-0.0024	09	-10 30 38.19	0.002	09	0.22		8.623	16	33.4	38.22	16	33.4	K5		16	4332	A -9 3329
92		8.9A	35 10.598	-0.0006	21	-14 23 25.51	0.021	15	0.35		10.608	18	33.4	25.86	16	33.4	F8	J	12A	4550	A -13 3412
93		7.2T	35 33.589	-0.0070	16	-17 54 55.44	0.002	13	0.69		33.893	22	06.4	55.52	21	04.0	A0		GC	15960	-17 3424
94		8.9A	35 34.915	0.0029	18	-16 44 12.04	-0.046	13	0.31		34.866	18	33.4	11.27	16	33.4	G5	J	12A	4552	A -16 3295
95		9.0A	35 35.709	0.0008	15	-12 54 54.48	-0.033	17	0.31		35.696	18	33.4	53.92	16	33.4	G5	J	11	4325	A -12 3465
96		8.5A	35 43.150	-0.0020	15	-19 6 15.30	0.102	11	0.27		43.183	18	33.4	17.00	16	33.4	F8	J	12B	5084	A -18 3214
97		8.4A	35 44.264	0.0001	15	-18 38 56.50	-0.003	11	0.27		44.263	18	33.4	56.45	16	33.4	K0	J	12B	5085	A -18 3215
98		9.0A	35 45.252	-0.0016	21	-15 57 29.61	0.001	15	0.35		45.278	18	33.4	29.63	16	33.4	G0	J	12A	4554	A -15 3315
99		8.2A	35 54.669	-0.0010	12	-10 39 12.88	0.036	12	0.25		54.686	16	33.4	13.47	16	33.4	K5		16	4335	A -10 3309
00		9.0A	36 2.705	0.0105	21	-16 29 30.13	-0.138	15	0.35		2.530	18	33.4	27.85	16	33.4	G5	J	12A	4555	A -15 3317

156800

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ s	$\sigma\mu$ ″.001	δ_{1950} ° ′ ″	μ' ″	$\sigma\mu$ ″.001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.		SOURCE CAT.	STAR NUMBER	DM NUMBER
1		8.6A	11 36 5.706	-0.0017	15	-10 57 43.19	0.027	17	0.31	5.734	18	33.4	43.63	16	33.4	G5	J	11	4327	A -10 3511
2		5.6T	36 7.523	0.0060	03	-12 55 35.21	0.114	04	0.22	7.208	10	97.6	41.63	10	93.5	G0		GC	15977	B*-12 3466
3		8.2A	36 7.863	0.0014	21	-15 55 22.21	0.008	15	0.35	7.839	18	33.4	22.35	16	33.4	F8	J	12A	4556	A -15 3318
4		9.4A	36 12.530	-0.0106	21	-17 10 48.70	0.050	15	0.35	12.705	18	33.4	49.52	16	33.4	G5	J	12A	4558	A -16 3297
5		8.1A	36 13.628	0.0074	17	-14 47 29.43	-0.090	13	0.30	13.505	18	33.4	27.95	16	33.4	F8	J	12A	4557	A -14 3370
6		9.0A	36 22.873	-0.0002	18	-11 51 39.23	-0.015	20	0.36	22.877	18	33.4	38.98	16	33.4	K0	J	11	4329	A -11 3144
7		8.6A	36 28.576	0.0012	21	-14 45 16.19	-0.022	15	0.35	28.556	18	33.4	15.82	16	33.4	G0	J	12A	4559	A -14 3371
8		8.8A	36 32.241	0.0004	21	-14 35 9.12	-0.000	15	0.35	32.235	18	33.4	9.11	16	33.4	K2	J	12A	4560	A -14 3372
9		9.2A	36 33.773	-0.0007	17	-13 8 14.64	0.035	18	0.33	33.785	18	33.4	15.21	16	33.4	M0	J	11	4331	A -12 3467
10		8.6A	36 33.851	-0.0004	21	-16 20 7.23	0.017	15	0.35	33.857	18	33.4	7.50	16	33.4	M0	J	12A	4561	A -15 3320
11		8.8A	36 38.007	0.0009	11	-10 15 4.33	0.006	11	0.24	37.992	16	33.4	4.42	16	33.4	K5	R	16	4337	A -9 3333
12		9.0A	36 45.566	-0.0003	21	-15 32 39.12	0.001	15	0.35	45.571	18	33.4	39.14	16	33.4	K5	J	12A	4562	A -15 3322
13		9.0A	36 51.212	-0.0004	21	-14 36 45.78	0.030	15	0.35	51.218	18	33.4	46.29	16	33.4	K2	J	12A	4563	A -14 3375
14		9.0A	36 52.331	-0.0011	17	-14 19 4.43	0.013	18	0.33	52.349	18	33.4	4.64	16	33.4	K5	J	11	4333	A -13 3417
15		6.8T	36 57.572	0.0053	07	-12 54 18.47	-0.145	06	0.41	57.283	17	95.7	10.20	15	93.1	K0		GC	15998	-12 3470
16		9.1A	36 57.830	-0.0032	15	-11 53 42.06	0.010	17	0.31	57.883	18	33.4	42.22	16	33.4	K2	J	11	4335	A -11 3145
17		9.2A	37 4.325	0.0022	21	-17 17 37.38	-0.020	15	0.35	4.288	18	33.4	37.04	16	33.4	G5	J	12A	4564	A -16 3299
18		8.8A	37 8.643	-0.0030	15	-19 14 32.53	0.012	11	0.27	8.693	18	33.4	32.73	16	33.4	G0	J	12B	5091	A -18 3218
19		6.5T	37 18.501	-0.0010	09	-16 20 34.67	-0.014	07	0.34	18.541	07	09.1	34.12	07	09.3	M0		GC	16008	-15 3323
20		6.4T	37 19.066	-0.0031	07	-14 11 28.88	-0.018	07	0.34	19.196	12	07.9	28.10	14	07.1	A0		GC	16009K	-13 3420
21		9.2A	37 20.990	-0.0011	15	-18 49 45.50	-0.003	11	0.27	21.009	18	33.4	45.45	16	33.4	K0	J	12B	5092	A -18 3219
22		9.0A	37 22.079	0.0027	15	-11 53 9.45	-0.002	17	0.31	22.034	18	33.4	9.41	16	33.4	K0	J	11	4337	A -11 3147
23		9.1A	37 27.001	-0.0019	17	-18 25 10.57	-0.021	13	0.30	27.033	18	33.4	10.21	16	33.4	G0	J	12B	5094	A -17 3436
24		8.4A	37 56.430	-0.0053	17	-19 10 42.93	0.041	13	0.30	56.519	18	33.4	43.61	16	33.4	G5	J	12B	5100	A -18 3221
25		8.8A	37 56.488	-0.0000	18	-18 28 31.52	-0.013	13	0.31	56.488	18	33.4	31.29	16	33.4	K2	J	12B	5099	A -17 3438
26		8.9A	37 56.919	0.0008	21	-17 54 2.89	-0.045	15	0.35	56.906	18	33.4	2.14	16	33.4	F5	J	12A	4568	A -17 3439
27		9.2A	38 7.298	-0.0017	21	-18 4 10.69	-0.006	15	0.35	7.326	18	33.4	10.59	16	33.4	G0	J	12A	4569K	A -17 3441
28		9.4A	38 16.254	-0.0027	15	-11 1 0.37	0.026	15	0.30	16.299	18	33.4	0.79	16	33.4	K0	J	11	4338	A -10 3315
29		9.4A	38 19.529	0.0002	21	-15 6 23.08	-0.015	15	0.35	19.525	18	33.4	22.84	16	33.4	K7	J	12A	4570	A -14 3378
30		9.1A	38 21.607	-0.0011	18	-15 5 12.23	-0.013	13	0.31	21.625	18	33.4	12.03	16	33.4	F5	J	12A	4571	A -14 3379
31		8.9A	38 23.228	-0.0203	15	-11 55 35.49	0.114	17	0.31	23.564	18	33.4	37.38	16	33.4	G5	J	11	4339	A -11 3155
32		7.0T	38 37.639	0.0019	16	-17 25 39.17	-0.055	14	0.74	37.550	19	03.5	36.49	18	01.6	K0		GC	16042	-16 3304
33		7.7Q	38 38.874	0.0006	08	-16 24 20.40	-0.034	07	0.42	38.843	17	00.5	18.52	15	95.6	K5		GC	16043	-15 3330
34		9.6A	38 57.278	-0.0053	18	-17 32 27.97	0.017	13	0.31	57.365	18	33.4	28.24	16	33.4	F5	J	12A	4574	A -17 3442
35		9.2A	38 58.579	-0.0027	15	-13 10 28.12	-0.041	17	0.31	58.623	18	33.4	27.43	16	33.4	K0	J	11	4341	A -12 3473
36		9.4A	39 3.914	-0.0011	21	-18 9 36.57	-0.039	15	0.35	3.932	18	33.4	35.91	16	33.4	K2	J	12A	4575	A -17 3444
37		9.4A	39 17.749	-0.0027	21	-14 56 46.09	-0.010	15	0.35	17.794	18	33.4	45.93	16	33.4	G5	J	12A	4576	A -14 3361
38		8.3A	39 25.576	0.0003	15	-19 9 58.71	0.009	11	0.27	25.571	18	33.4	58.86	16	33.4	K2	J	12B	5110	A -18 3223
39		8.5A	39 30.856	-0.0053	21	-16 44 21.99	0.031	15	0.35	30.944	18	33.4	22.50	16	33.4	F5	J	12A	4577	A -16 3308
40		8.9A	39 43.656	-0.0031	21	-15 27 4.28	-0.004	15	0.35	43.707	18	33.4	4.22	16	33.4	A5	J	12A	4578	A -14 3382
41		8.6A	39 47.276	-0.0009	13	-12 56 37.36	0.031	13	0.28	47.291	18	33.4	37.87	16	33.4	G5	J	11	4343	A -12 3477
42		9.4A	39 47.581	0.0006	21	-14 55 50.33	-0.031	15	0.35	47.571	18	33.4	49.83	16	33.4	F8	J	12A	4579	A -14 3383
43		8.9A	39 52.423	-0.0023	15	-11 14 24.94	-0.023	17	0.31	52.462	18	33.4	24.55	16	33.4	K0	J	11	4344	A -10 3325
44		8.5A	39 57.926	-0.0027	15	-11 54 20.43	0.032	17	0.31	57.971	18	33.4	20.96	16	33.4	G5	J	11	4345	A -11 3157
45		9.0A	40 12.893	0.0037	21	-18 10 37.64	-0.011	15	0.35	12.832	18	33.4	37.45	16	33.4	K0	J	12A	4580	A -17 3449
46		8.8A	40 27.419	-0.0019	21	-16 7 18.88	-0.000	15	0.35	27.451	18	33.4	18.87	16	33.4	K5	J	12A	4581	A -15 3337
47		8.7A	40 34.181	-0.0023	21	-16 54 39.50	-0.013	15	0.35	34.218	18	33.4	39.27	16	33.4	K0	J	12A	4583	A -16 3310
48		8.9A	40 41.983	-0.0055	15	-12 30 4.54	0.027	17	0.31	42.074	18	33.4	4.98	16	33.4	F2	J	11	4346	A -11 3163
49		9.1A	40 44.311	-0.0006	21	-15 37 43.91	0.001	15	0.35	44.319	18	33.4	43.93	16	33.4	K5	J	12A	4584	A -15 3340
50		7.2A	40 51.153	-0.0014	15	-19 32 43.47	-0.023	11	0.27	51.176	18	33.4	43.08	16	33.4	K5	J	12B	5118	A -19 3329
51		8.6A	11 40 51.840	0.0018	21	-16 24 17.42	-0.024	15	0.35	51.811	18	33.4	17.01	16	33.4	K2	J	12A	4585	A -15 3341
52		9.0A	40 56.468	-0.0010	15	-12 17 3.44	0.009	15	0.30	56.452	18	33.4	3.59	16	33.4	K5	J	11	4347	A -11 3164
53		6.9T	40 58.423	-0.0038	13	-14 45 54.48	0.006	11	0.60	58.591	19	05.9	54.79	19	01.6	A0		GC	16087	-14 3388
54		8.1A	41 1.592	0.0025	15	-13 44 29.33	-0.081	17	0.31	1.550	18	33.4	27.98	16	33.4	K0	J	11	4348	A -13 3430
55		8.8A	41 3.494	0.0005	21	-17 49 10.65	-0.011	15	0.35	3.486	18	33.4	10.46	16	33.4	F5	J	12A	4587	A -17 3453
56		9.2A	41 13.212	-0.0021	21	-17 15 14.21	-0.035	15	0.35	13.246	18	33.4	13.62	16	33.4	G0	J	12A	4588	A -16 3313
57		9.0A	41 16.387	0.0007	21	-16 28 59.54	-0.019	15	0.35	16.375	18	33.4	59.22	16	33.4	A5	J	12A	4589	A -15 3343
58		9.0A	41 23.341	0.0014	21	-18 17 5.49	0.012	15	0.35	23.317	18	33.4	5.68	16	33.4	K0	J	12A	4590	A -17 3455
59		9.4A	41 24.548	-0.0004	17	-11 48 7.32	-0.009	18	0.33	24.554	18	33.4	7.16	16	33.4	F5	J	11	4349	A -11 3168
60		8.4A	41 25.008	0.0027	12	-10 21 0.21	0.022	12	0.25	24.964	16	33.4	0.57	16	33.4	F0		16	4362	A -9 3350
61		8.6A	41 30.764	0.0005	12	-10 29 41.44	-0.007	11	0.24	30.756	16	33.4	41.31	16	33.4	K0		16	4364	A -9 3351
62		8.6A	41 31.683	0.0009	18	-15 10 40.81	0.008	13	0.31	31.669	18	33.4	40.95	16	33.4	K0	J	12A	4591	A -14 3391
63		8.5A	41 36.865	-0.0010	21	-16 51 19.77	-0.013	15	0.35	36.881	18	33.4	19.55	16	33.4	K2	J	12A	4592	A -16 3315
64		9.4A	41 36.984	-0.0091	18	-17 13 54.77	-0.003	13	0.31	37.134	18	33.4	54.71	16	33.4	G0	J	12A	4593	A -16 3316
65		9.0A	41 55.604	-0.0015	18	-13 50 0.63	-0.028	20	0.36	55.628	18	33.4	0.17	16	33.4	F8	J	11	4351K	A -13 3433
66		8.8A	41 56.375	0.0000	21	-16 20 4.24	-0.024	15	0.35	56.374	18	33.4	3.85	16	33.4	A5	J	12A	4594	A -15 3347
67		8.9A	42 3.924	-0.0045	12	-10 40 46.62	-0.002	12	0.25	3.999	16	33.4	46.58	16	33.4	G0		16	4366	A -10 3331
68		9.2A	42 8.646	0.0027	12	-10 3 36.90	0.012	12	0.25	8.601	16	33.4	37.09	16	33.4	F8	R	16	4368	A -9 3354
69		4.9H	42 13.506	0.0020	01	-18 4 21.55	-0.036	01	0.05	13.435	02	14.9	20.30	02	15.3	G5		F4	1301	-17 3460
70		9.0A	42 16.156	-0.0075	15	-13 26 14.88	0.031	17	0.31	16.280	18	33.4	15.39	16	33.4	G0	J	11	4354	A -12 3482
71		8.8A	42 34.466	-0.0044	18	-18 36 56.00	-0.135	13	0.31	34.540	18	33.4	53.76	16	33.4	G0	J	12B	5126	A -18 3229
72		9.0A	42 52.487	-0.0078	17	-11 11 10.10	-0.009	18	0.33	52.616	18	33.4	9.94	16	33.4	G0	J	11	4355	A -10 3336
73		8.2A	43 6.129	-0.0026	15	-15 48 0.29	0.007	15	0.35	6.172	18	33.4	0.41	16	33.4	G0	J	12A	4597	A -15 3349
74		9.1A	43 6.208	0.0006	15	-14 12 20.80	0.004	17	0.31	6.198	18	33.4	20.86	16	33.4	K5	J	11	4356	A -13 3438
75		9.2A	43 16.899	0.0005	18	-17 54 13.87	-0.021	13	0.31	16.891	18	33.4	13.51	16	33.4	K5	J	12A	4598	A -17 3465
76		8.4A	43 42.033	0.0006	15	-11 44 50.00	0.034	17	0.31	42.023	18	33.4	50.56	16	33.4	A3	J	11	4357	A -11 3176
77		8.9A	43 50.118	-0.0003	15	-11 23 31.25	-0.001	17	0.31	50.123	18	33.4	31.22	16	33.4	A2	J	11	4358	A -10 3337
78		8.8A	43 58.583	-0.0039	21	-14 39 14.14	-0.010	15	0.35	58.647	18	33.4	13.97	16	33.4	K5	J	12A	4599	A -14 3402
79		8.4A	44 6.898	-0.0027	15	-18 43 45.37	0.022	11	0.27	6.942	18	33.4	45.74	16	33.4	A0	J	12B	5134	A -18 3235
80		8.1A	44 10.610	-0.0089	15	-19 11 30.84	-0.021	11	0.27	10.757	18	33.4	30.49	16	33.4	G0	J	12B	5135	A -18 3237
81		9.6A	44 12.289	0.0020	21	-17 35 6.11	-0.014	15	0.35	12.256	18	33.4	5.87	16	33.4	A2	J	12A	4600	A -17 3469
82		9.4A	44 19.911	-0.0035	21	-17 16 0.09	-0.004	15	0.35	19.969	18	33.4	0.02	16	33.4	G5	J	12A	4601	A -16 3324
83		9.1A	44 20.603	-0.0015	17	-18 38 3.25	-0.007	13	0.30	20.629	18	33.4	3.14	16	33.4	K2	J	12B	5137	A -18 3239
84		8.6A	44 26.034	-0.0059	17	-10 40 14.91	0.008	18	0.33	26.133	18	33.4	15.04	16	33.4	F2	J	11	4360	A -10 3338
85		8.8A	44 31.554	-0.0138	15	-11 32 42.73	-0.055	17	0.31	31.783	18	33.4	41.81	16	33.4	K2	J	11	4361	A -11 3178
86		9.2A	44 35.549	-0.0031	15	-12 9 56.08	0.046	15	0.30	35.601	18	33.4	56.84	16	33.4	G5	J	11	4362	A -11 3180
87		9.5A	44 46.272	-0.0045	12	-10 29 15.06	-0.007	12	0.25	46.346	16	33.4	14.93	16	33.4	F5		16	4376	A -9 3363
88		6.9T	44 50.226	0.0033	18	-18 6 7.20	-0.045	13	0.70	50.090	21	09.2	5.20	19	05.7	K0		GC	16164	-17 3471
89		8.5A	44 53.162	-0.0015	15	-18 39 19.44	-0.010	11	0.27	53.187	18	33.4	19.27	16	33.4	K2	J	12B	5141	A -18 3240
90		7.9A	44 54.936	-0.0054	15	-18 55 6.82	-0.005	11	0.27	55.025	18	33.4	6.74	16	33.4	F0	J	12B	5142	A -18 3241
91		8.4A	45 13.198	-0.0007	17	-19 7 24.15	-0.022	13	0.30	13.209	18	33.4	23.78	16	33.4	K0	J	12B	5143	A -18 3242
92		8.6A	45 13.352	-0.0020	17	-19 13 3.42	0.021	13	0.30	13.386	18	33.4	3.77	16	33.4	F8	J	12B	5144	A -18 3243
93		8.3A	45 20.416	0.0016	21	-15 11 1.98	0.010	15	0.35	20.390	18	33.4	2.16	16	33.4	F5	J	12A	4605	A -14 3406
94		9.0A	45 23.905	-0.0017	21	-17 14 54.04	-0.014	15	0.35	23.933	18	33.4	53.80	16	33.4	K2	J	12A	4606	A -16 3327
95		7.5A	45 36.726	0.0006	18	-16 16 12.62	-0.034	13	0.31	36.715	18	33.4	12.05	16	33.4	K2	J	12A	4607	A -15 3356
96		6.3T	45 50.761	-0.0070	14	-10 2 1.19	-0.121	12	0.69	51.116	19	99.0	55.02	15	99.2	G0		GC	16178	-9 3366
97		9.0A	45 56.218	-0.0046	12	-10 1 27.80	-0.021	12	0.25	56.294	16	33.4	27.44	16	33.4	F8	R	16	4385	A -9 3368
98		8.7A	45 57.716	-0.0033	15	-12 10 37.58	0.017	15	0.30	57.772	18	33.4	37.86	16	33.4	G0	J	11	4364	A -11 3183
99		9.2A	46 5.087	-0.0012	17	-19 54 21.87	-0.011	13	0.30	5.106	18	33.4	21.68	16	33.4	G5	J	12B	5147	A -19 3349
00		8.7A	46 8.138	-0.0005	21	-14 43 37.38	-0.002	15	0.35	8.146	18	33.4	37.34	16	33.4	A0	J	12A	4608	A -14 3413

-10° 11H

156900			EPOCH 1950							ORIGINAL EPOCH						SP.	SOURCE		-10° 11H
NUMBER	MAGNITUDES		α_{1950}	μ	σ_μ	δ_{1950}	μ'	σ'_μ	σ_{1950}	α_2	σ	ep.	δ_2	σ'	ep.		CAT.	STAR NUMBER	DM NUMBER
	m_{pg}	m_v	h m s	s	″.001	° ′ ″	″	″.001	″	s	″.01		″	″.01						
1		6.9T	11 46 8.785	-0.0008	15	-14 3 56.60	-0.061	14	0.76	8.825	18	00.3	53.49	18	99.2	K0	GC	16182	-13 3448
2		8.9A	46 12.223	0.0015	17	-13 32 55.93	0.001	18	0.33	12.197	18	33.4	55.95	16	33.4	K0 J	11	4366	A -13 3450
3		9.0A	46 17.430	-0.0006	15	-10 45 7.17	0.009	17	0.31	17.441	18	33.4	7.31	16	33.4	K2 J	11	4367	A -10 3342
4		9.1A	46 18.694	0.0010	21	-15 16 24.79	-0.001	15	0.35	18.677	18	33.4	24.78	16	33.4	K7 J	12A	4609	A -14 3414
5		8.2A	46 19.933	-0.0007	21	-16 19 12.35	0.015	15	0.35	19.944	18	33.4	12.59	16	33.4	K5 J	12A	4610	A -15 3358
6		9.2A	46 22.305	-0.0015	21	-16 52 15.80	0.028	15	0.35	22.330	18	33.4	16.26	16	33.4	F8 J	12A	4611	A -16 3330
7		9.1A	46 25.155	-0.0009	18	-19 38 6.34	-0.135	13	0.31	25.170	18	33.4	4.09	16	33.4	G5 J	12B	5149	A -19 3350
8		8.5A	46 31.819	-0.0037	15	-12 20 11.82	0.002	17	0.31	31.880	18	33.4	11.85	16	33.4	F2 J	11	4368	A -11 3184
9		9.0A	46 32.089	-0.0024	21	-18 13 51.27	-0.001	15	0.35	32.129	18	33.4	51.25	16	33.4	F0 J	12A	4613	A -17 3481
10		8.9A	46 34.501	-0.0019	15	-18 48 52.72	-0.015	11	0.27	34.533	18	33.4	52.47	16	33.4	G0 J	12B	5150	A -18 3244
11		9.7A	46 37.681	-0.0034	21	-17 6 12.98	-0.022	15	0.35	37.737	18	33.4	12.61	16	33.4	F0 J	12A	4614	A -16 3332
12		8.7A	46 53.184	-0.0070	15	-12 31 55.96	0.033	17	0.31	53.300	18	33.4	56.50	16	33.4	A5 J	11	4369	A -12 3499
13		9.0A	46 59.111	-0.0000	17	-18 6 22.55	0.007	15	0.31	59.111	18	33.4	22.66	16	33.4	K0 J	12A	4615	A -17 3482
14		8.8A	47 0.096	0.0001	15	-18 54 47.77	-0.001	11	0.27	0.094	18	33.4	47.75	16	33.4	F8 J	12B	5154	A -18 3247
15		8.4A	47 5.558	0.0015	21	-17 20 14.11	-0.024	15	0.35	5.533	18	33.4	13.70	16	33.4	K2 J	12A	4616	A -16 3333
16		9.4A	47 5.926	0.0006	21	-16 53 23.59	-0.024	15	0.35	5.915	18	33.4	23.18	16	33.4	K0 J	12A	4617	A -16 3334
17		8.9A	47 7.435	-0.0071	21	-15 8 45.69	-0.064	15	0.35	7.553	18	33.4	44.64	16	33.4	G5 J	12A	4618	A -14 3415
18		7.6A	47 13.543	0.0029	15	-13 22 25.55	-0.027	17	0.31	13.495	18	33.4	25.09	16	33.4	K2 J	11	4370	A -12 3501
19		9.2A	47 18.951	-0.0036	21	-16 46 55.91	0.019	15	0.35	19.010	18	33.4	56.22	16	33.4	F8 J	12A	4619	A -16 3335
20		8.8A	47 24.048	-0.0004	17	-17 53 14.82	0.004	15	0.31	24.054	18	33.4	14.88	16	33.4	F0 J	12A	4620	A -17 3484
21		8.2A	47 33.072	-0.0023	15	-13 9 43.01	0.019	17	0.31	33.111	18	33.4	43.32	16	33.4	K2 J	11	4371	A -12 3504
22		8.6A	47 34.884	0.0001	15	-10 46 3.23	0.038	15	0.30	34.883	18	33.4	3.85	16	33.4	K0 J	11	4372	A -10 3346
23		8.9A	47 38.645	-0.0035	15	-11 14 43.01	-0.023	17	0.31	38.703	18	33.4	42.62	16	33.4	K5 J	11	4373	A -10 3347
24		8.1A	47 43.487	-0.0053	15	-19 19 38.39	0.008	11	0.27	43.574	18	33.4	38.52	16	33.4	F0 J	12B	5157	A -18 3250
25		8.7A	47 44.878	-0.0026	17	-19 33 21.45	0.009	13	0.30	44.921	18	33.4	21.59	16	33.4	F5 J	12B	5158	A -19 3354
26		6.3T	47 46.712	-0.0012	15	-15 35 9.50	0.003	14	0.72	46.767	21	03.6	9.67	19	02.1	K0	GC	16210	-15 3363
27		8.9A	47 55.465	-0.0017	17	-19 24 15.71	-0.024	13	0.30	55.493	18	33.4	15.31	16	33.4	K0 J	12B	5160	A -18 3252
28		8.3A	47 56.850	-0.0094	21	-17 27 45.47	0.016	15	0.35	57.006	18	33.4	45.73	16	33.4	F8 J	12A	4622	A -16 3337
29		8.6A	48 3.739	-0.0052	15	-12 25 42.60	0.006	17	0.31	3.825	18	33.4	42.69	16	33.4	K0 J	11	4374	A -11 3186
30		7.8A	48 6.976	0.0011	15	-12 35 20.26	0.018	17	0.31	6.958	18	33.4	20.55	16	33.4	K5 J	11	4375	A -12 3505
31		8.6A	48 8.318	-0.0059	15	-18 27 31.52	0.042	11	0.27	8.416	18	33.4	32.21	16	33.4	K0 J	12B	5162	A -17 3485
32		8.0A	48 17.715	0.0015	21	-15 6 37.18	0.010	15	0.35	17.691	18	33.4	37.35	16	33.4	K0 J	12A	4624	A -14 3418
33		9.1A	48 19.278	0.0006	21	-16 56 0.31	0.004	15	0.35	19.268	18	33.4	0.37	16	33.4	M3 J	12A	4625	A -16 3338
34		8.2A	48 27.812	-0.0017	21	-17 27 48.82	-0.001	15	0.35	27.840	18	33.4	48.80	16	33.4	A5 J	12A	4626	A -13 3455
35		7.4A	48 29.670	-0.0014	17	-13 2 42.77	-0.019	18	0.34	29.693	18	33.4	42.45	16	33.4	A0 J	11	4377	A -12 3508
36		7.9A	48 29.981	-0.0038	17	-13 24 52.72	0.020	18	0.34	30.045	18	33.4	53.04	16	33.4	K2 J	11	4378	A -12 3507
37		8.2A	48 33.334	-0.0008	17	-10 55 46.69	-0.001	18	0.34	33.347	18	33.4	46.66	16	33.4	M3 J	11	4379	A -10 3353
38		8.8A	48 33.876	-0.0021	15	-11 1 35.15	-0.002	17	0.31	33.912	18	33.4	35.11	16	33.4	F8 J	11	4380	A -10 3354
39		8.9A	48 41.114	0.0016	15	-18 42 15.61	-0.023	11	0.27	41.087	18	33.4	15.23	16	33.4	K2 J	12B	5168	A -18 3258
40		6.2T	48 49.635	-0.0149	17	-11 54 38.54	0.006	15	0.58	50.170	10	14.0	38.73	09	15.0	F0	GC	16231	-11 3190
41		9.0A	48 56.427	0.0096	21	-15 50 25.26	-0.009	15	0.35	56.268	18	33.4	25.12	16	33.4	K0 J	12A	4627	A -15 3368
42		8.3A	49 4.084	-0.0004	13	-18 30 49.97	-0.013	09	0.26	4.091	18	33.4	49.76	16	33.4	K0 J	12B	5170	A -17 3487
43		7.9A	49 5.149	-0.0020	13	-18 53 46.48	0.014	09	0.26	5.183	18	33.4	46.71	16	33.4	K2 J	12B	5172	A -18 3260
44		8.5A	49 5.788	0.0028	21	-17 17 28.46	-0.011	15	0.35	5.741	18	33.4	28.27	16	33.4	K5 J	12A	4629	A -16 3341
45		8.3A	49 8.765	0.0058	18	-17 53 48.61	-0.158	13	0.31	8.669	18	33.4	45.97	16	33.4	K2 J	12A	4630	A -17 3488
46		9.0A	49 12.598	0.0013	21	-16 7 53.70	-0.039	15	0.35	12.577	18	33.4	53.06	16	33.4	G5 J	12A	4631	A -15 3369
47		8.7A	49 37.198	-0.0065	15	-11 1 54.28	-0.030	17	0.31	37.307	18	33.4	53.77	16	33.4	K0 J	11	4382	A -10 3357
48		7.6A	49 39.625	-0.0042	17	-18 55 40.90	0.007	13	0.30	39.695	18	33.4	41.02	16	33.4	A5 J	12B	5174	A -18 3265
49		8.3A	49 47.309	-0.0012	17	-19 41 38.93	0.063	13	0.30	47.328	18	33.4	39.97	16	33.4	G5 J	12B	5176	A -19 3360
50		9.2A	49 47.466	0.0007	15	-10 50 47.77	-0.015	17	0.31	47.455	18	33.4	47.51	16	33.4	G0 J	11	4383	A -10 3358
51		9.3A	11 49 54.555	0.0021	21	-17 26 1.62	-0.046	15	0.35	54.519	18	33.4	0.85	16	33.4	F5 J	12A	4632	A -16 3344
52		7.7Q	49 54.589	-0.0137	12	-13 50 59.39	0.046	12	0.58	55.194	18	05.8	+ 1.52	18	03.5	F8	GC	16249	-13 3458
53		9.0A	49 56.979	-0.0000	21	-18 3 31.34	-0.015	15	0.35	56.980	18	33.4	31.09	16	33.4	F2 J	12A	4633	A -17 3490
54		8.7A	50 0.633	-0.0024	21	-17 2 31.47	0.002	15	0.35	0.673	18	33.4	31.49	16	33.4	G0 J	12A	4634	A -16 3346
55		8.3A	50 10.118	-0.0008	17	-18 54 45.74	0.003	13	0.30	10.132	18	33.4	45.79	16	33.4	K2 J	12B	5179	A -18 3268
56		8.4A	50 12.968	-0.0019	21	-14 33 47.27	-0.024	15	0.35	12.999	18	33.4	46.88	16	33.4	K0 J	12A	4635	A -14 3424
57		8.7A	50 22.273	0.0034	15	-19 25 31.97	-0.035	11	0.27	22.217	18	33.4	31.39	16	33.4	A5 J	12B	5180	A -18 3269
58		8.8A	50 23.647	-0.0013	21	-17 47 16.41	-0.036	15	0.35	23.668	18	33.4	15.80	16	33.4	K2 J	12A	4636	A -17 3492
59		8.8A	50 30.203	-0.0016	21	-16 0 56.08	-0.000	15	0.35	30.230	18	33.4	56.07	16	33.4	A3 J	12A	4637	A -15 3374
60		9.0A	50 33.048	0.0086	21	-17 18 4.76	-0.123	15	0.35	32.906	18	33.4	2.71	16	33.4	G0 J	12A	4638	A -16 3347
61		8.8A	50 39.653	-0.0021	17	-15 23 43.41	0.035	15	0.31	39.688	18	33.4	44.00	16	33.4	F0 J	12A	4639K	A -14 3427
62		8.6A	50 45.946	0.0004	15	-14 19 1.80	0.004	17	0.31	45.940	18	33.4	1.86	16	33.4	A3 J	11	4386	A -13 3463
63		9.0A	50 47.613	-0.0092	17	-18 29 18.50	-0.028	13	0.30	47.766	18	33.4	18.03	16	33.4	G5 J	12B	5181	A -17 3494
64		7.8A	50 49.987	-0.0048	21	-16 18 51.97	-0.005	15	0.35	50.067	18	33.4	51.88	16	33.4	F0 J	12A	4641	A -15 3375
65		9.1A	50 50.432	0.0025	11	-10 29 43.28	-0.015	11	0.24	50.390	16	33.4	43.02	16	33.4	F8	16	4408	A -9 3387
66		8.2A	51 0.465	0.0035	21	-15 50 9.91	-0.015	15	0.35	0.407	18	33.4	9.67	16	33.4	K0 J	12A	4642	A -15 3376
67		9.1A	51 7.751	0.0024	21	-15 19 31.51	-0.077	15	0.35	7.711	18	33.4	30.24	16	33.4	F5 J	12A	4643	A -14 3428
68		9.1A	51 8.871	-0.0007	15	-13 34 0.72	-0.018	17	0.31	8.882	18	33.4	0.41	16	33.4	K2 J	11	4388	A -13 3465
69		8.9A	51 11.853	0.0022	15	-12 17 1.56	0.033	17	0.31	11.817	18	33.4	2.10	16	33.4	K5 J	11	4389	A -11 3200
70		8.7A	51 14.085	0.0002	21	-17 7 58.07	-0.029	15	0.35	14.082	18	33.4	57.58	16	33.4	K0 J	12A	4644	A -16 3350
71		9.1A	51 15.307	-0.0009	21	-14 34 2.10	-0.022	15	0.35	15.322	18	33.4	1.73	16	33.4	G0 J	12A	4645	A -14 3429
72		9.1A	51 25.618	-0.0026	13	-14 34 46.25	0.007	15	0.29	25.661	18	33.4	46.38	16	33.4	G0 J	11	4391	A -14 3430
73		9.1A	51 30.570	0.0002	21	-17 40 28.06	-0.008	15	0.35	30.567	18	33.4	27.92	16	33.4	A2 J	12A	4646	A -17 3496
74		9.2A	51 45.072	-0.0018	21	-15 45 11.91	-0.012	15	0.35	45.101	18	33.4	11.72	16	33.4	G5 J	12A	4647	A -15 3377
75		8.7A	51 52.420	-0.0004	15	-11 3 43.08	-0.047	17	0.31	52.427	18	33.4	42.29	16	33.4	K0 J	11	4392	A -10 3361
76		9.4A	52 4.981	-0.0008	21	-16 46 56.96	-0.072	15	0.35	4.993	18	33.4	55.75	16	33.4	G0 J	12A	4648	A -16 3352
77		8.2A	52 8.074	0.0015	15	-10 46 16.31	0.012	17	0.31	8.050	18	33.4	16.50	16	33.4	A3 J	11	4393	A -10 3363
78		8.6A	52 16.312	-0.0001	15	-12 28 8.90	0.006	17	0.31	16.314	18	33.4	8.99	16	33.4	K0 J	11	4394	A -11 3202
79		9.2A	52 32.511	-0.0020	18	-17 21 51.75	-0.001	13	0.31	32.544	18	33.4	51.72	16	33.4	G5 J	12A	4649	A -16 3354
80		9.2A	52 41.840	0.0018	21	-17 49 53.11	-0.032	15	0.35	41.810	18	33.4	52.58	16	33.4	A0 J	12A	4650	A -17 3505
81		8.9A	52 43.410	0.0007	17	-12 2 36.95	-0.012	18	0.34	43.399	18	33.4	36.75	16	33.4	K7 J	11	4395	A -11 3205
82		8.9A	52 44.288	-0.0014	18	-15 47 25.44	-0.015	13	0.31	44.312	18	33.4	25.18	16	33.4	G5 J	12A	4651	A -15 3381
83		9.0A	52 59.495	-0.0130	21	-15 40 24.03	0.053	15	0.35	59.711	18	33.4	24.92	16	33.4	K2 J	12A	4652	A -15 3382
84		9.0A	53 3.701	0.0003	17	-14 3 0.78	-0.035	18	0.34	3.696	18	33.4	0.20	16	33.4	K5 J	11	4396	A -13 3471
85		8.9A	53 6.209	-0.0013	17	-13 36 11.70	-0.053	18	0.34	6.231	18	33.4	10.81	16	33.4	G0 J	11	4397	A -13 3472
86		8.7A	53 7.771	-0.0019	18	-14 20 50.55	-0.047	20	0.36	7.802	18	33.4	49.76	16	33.4	G5 J	11	4398	A -13 3473
87		9.1A	53 19.009	-0.0009	17	-19 34 42.48	-0.028	13	0.30	19.034	18	33.4	42.01	16	33.4	F0 J	12B	5195	A -19 3372
88		5.2H	53 27.831	-0.0039	02	-16 52 20.63	-0.011	02	0.07	27.978	04	12.6	20.27	04	16.9	A0	F4	1309	-16 3358
89		9.1A	53 33.940	0.0036	21	-14 23 55.68	-0.007	15	0.35	33.879	18	33.4	55.56	16	33.4	F8 J	12A	4654	A -13 3474
90		8.8A	53 37.107	-0.0034	15	-11 18 2.79	0.001	17	0.31	37.163	18	33.4	2.80	16	33.4	M0 J	11	4400	A -10 3369
91		9.0A	53 37.856	0.0010	11	-10 28 49.65	-0.006	11	0.24	37.839	16	33.4	49.54	16	33.4	K0	16	4417	A -9 3394
92		9.1A	53 38.633	-0.0002	21	-16 59 46.43	-0.032	15	0.35	38.636	18	33.4	45.89	16	33.4	G0 J	12A	4655	A -16 3359
93		8.8A	53 43.336	-0.0031	21	-15 13 12.64	0.029	15	0.35	43.388	18	33.4	13.13	16	33.4	F0 J	12A	4656	A -14 3435
94		8.9A	53 45.992	-0.0038	18	-11 59 19.20	-0.004	20	0.36	46.055	18	33.4	19.13	16	33.4	F5 J	11	4402	A -11 3207
95		8.8A	53 49.861	0.0013	15	-13 47 57.56	0.061	17	0.31	49.838	18	33.4	58.57	16	33.4	K2 J	11	4403	A -13 3475
96		9.1A	53 51.177	0.0021	17	-14 25 24.85	-0.001	12	0.29	51.141	18	33.4	24.82	16	33.4	K0 J	12A	4657	A -13 3476
97		9.3A	53 52.987	0.0002	21	-17 49 45.00	-0.005	15	0.35	52.984	18	33.4	44.91	16	33.4	A0 J	12A	4658	A -17 3510
98		8.8A	53 56.487	-0.0013	15	-14 25 25.08	0.004	11	0.27	56.508	18	33.4	25.14	16	33.4	K5 J	12A	4659	A -13 3477
99		8.9A	54 6.040	-0.0048	18	-12 5 56.44	-0.010	20	0.36	6.120	18	33.4	56.27	16	33.4	G0 J	11	4405	A -11 3200
00		8.5A	54 7.408	0.0001	15	-19 30 33.24	-0.014	11	0.27	7.406	18	33.4	33.00	16	33.4	K2 J	12B	5201	A -18 3277

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EPOCH 1950 — ORIGINAL EPOCH — SOURCE — −10° 11H

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	σ'_μ ″.001	σ_{1950} ″	α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	CAT.	STAR NUMBER	DM NUMBER
1		7.3A	11 54 11.809	0.0045	12	−10 26 42.86	−0.094	12	0.25	11.734	16	33.4	41.29	16	33.4	F2	16	4419	A −9 3396
2		7.1T	54 22.541	−0.0081	08	−11 49 45.01	−0.026	08	0.47	22.963	19	97.7	43.58	18	95.8	F5	GC	16340	−11 3211
3		6.5T	54 22.616	0.0007	08	−13 28 27.59	−0.159	08	0.32	22.590	12	14.7	21.75	12	13.4	F8	GC	16341	−12 3532
4		8.8A	54 34.612	0.0021	21	−18 6 15.90	0.004	15	0.35	34.577	18	33.4	15.96	16	33.4	K2 J	12A	4660	A −17 3514
5		9.0A	54 37.469	−0.0017	21	−15 10 48.60	0.010	15	0.35	37.498	18	33.4	48.77	16	33.4	F0 J	12A	4661	A −14 3436
6		8.6A	54 40.874	−0.0044	21	−16 10 32.05	0.007	15	0.35	40.947	18	33.4	32.17	16	33.4	F5 J	12A	4662	A −15 3385
7		8.4A	54 49.803	−0.0023	15	−11 31 32.33	−0.001	17	0.31	49.841	18	33.4	32.31	16	33.4	K2 J	11	4409	A −10 3372
8		8.6A	54 54.883	−0.0123	12	−10 1 53.23	0.009	12	0.25	55.088	16	33.4	53.37	16	33.4	K0	16	4423	A −9 3398
9		9.2A	54 59.393	−0.0017	15	−11 14 5.37	−0.027	17	0.31	59.422	18	33.4	4.91	16	33.4	G0 J	11	4410	A −10 3374
10		8.6A	55 3.948	−0.0015	18	−16 0 30.58	−0.070	13	0.31	3.973	18	33.4	29.43	16	33.4	K0 J	12A	4663	A −15 3387
11		9.0A	55 4.439	−0.0042	17	−13 21 54.18	−0.002	18	0.34	4.509	18	33.4	54.14	16	33.4	G5 J	11	4411	A −12 3534
12		9.2A	55 12.773	0.0046	21	−15 47 32.96	−0.043	15	0.35	12.696	18	33.4	32.25	16	33.4	K2 J	12A	4664	A −15 3388
13		8.6A	55 16.126	−0.0043	12	−10 6 14.71	−0.026	12	0.25	16.200	16	33.4	14.23	16	33.4	G0	16	4427	A −9 3401
14		8.9A	55 17.759	0.0021	21	−17 49 24.07	−0.037	15	0.35	17.724	18	33.4	23.45	16	33.4	F8 J	12A	4665	A −17 3517
15		6.0A	55 19.310	0.0027	15	−18 42 11.36	−0.029	11	0.27	19.265	18	33.4	10.88	16	33.4	K0 J	12B	5205	A −18 3285
16		8.3A	55 26.427	0.0012	15	−13 49 58.40	0.021	17	0.31	26.406	18	33.4	58.75	16	33.4	A3 J	11	4412	A −13 3479
17		8.7A	55 38.773	−0.0014	12	−10 5 7.72	0.018	12	0.25	38.797	16	33.4	8.01	16	33.4	F0	16	4430	A −9 3404
18		8.8A	55 47.508	−0.0023	13	−19 47 51.44	−0.012	09	0.26	47.546	18	33.4	51.23	16	33.4	G0 J	12B	5207	A −19 3380
19		8.8A	55 50.018	−0.0013	12	−10 0 44.71	−0.023	12	0.25	50.040	16	33.4	44.32	16	33.4	K5	16	4432	A −9 3406
20		8.9A	55 56.644	−0.0001	15	−13 29 19.40	0.007	17	0.31	56.646	18	33.4	19.51	16	33.4	A0 J	11	4413	A −12 3538
21		9.1A	55 57.628	−0.0004	21	−16 40 38.11	−0.033	15	0.35	57.634	18	33.4	37.55	16	33.4	K2 J	12A	4667	A −16 3366
22		8.5A	55 58.983	−0.0022	11	−11 17 50.19	−0.019	12	0.25	59.020	18	33.4	49.87	16	33.4	F0 J	11	4414	A −10 3379
23		8.0A	55 59.982	0.0025	21	−14 50 16.40	−0.019	15	0.35	59.941	18	33.4	16.09	16	33.4	F2 J	12A	4668	A −14 3438
24		9.3A	56 9.198	−0.0025	17	−11 21 17.64	−0.090	17	0.32	9.157	18	33.4	16.14	16	33.4	G0 J	11	4415	A −10 3380
25		8.8A	56 12.273	−0.0073	21	−17 28 51.42	0.010	15	0.35	12.393	18	33.4	51.58	16	33.4	F8 J	12A	4669	A −16 3367
26		8.3G	56 13.282	−0.0011	12	−14 35 11.49	−0.053	08	0.57	13.339	24	98.9	8.80	18	99.7	F2	GC	16382	−14 3439
27		9.3A	56 34.794	0.0044	15	−12 51 7.95	−0.012	17	0.31	34.722	18	33.4	7.74	16	33.4	K0 J	11	4417	A −12 3539
28		6.8T	56 35.719	−0.0015	09	−10 11 53.23	0.013	09	0.49	35.793	15	99.2	53.92	17	95.3	K2	GC	16387	−9 3408
29		8.5A	56 51.745	0.0016	18	−15 46 23.84	−0.022	13	0.31	51.718	18	33.4	23.48	16	33.4	K2 J	12A	4671	A −15 3396
30		8.9A	56 56.144	−0.0021	17	−11 19 36.04	0.004	18	0.33	56.180	18	33.4	36.10	16	33.4	K5 J	11	4418	A −10 3383
31		9.3A	57 6.928	0.0027	15	−18 36 41.81	−0.033	11	0.27	6.884	18	33.4	41.26	16	33.4	K0 J	12B	5214	A −18 3290
32		9.0A	57 32.797	−0.0029	21	−17 43 20.80	−0.010	15	0.35	32.845	18	33.4	20.63	16	33.4	K5 J	12A	4673	A −17 3527
33		8.2A	57 35.473	−0.0012	21	−16 18 24.41	−0.015	15	0.35	35.493	18	33.4	24.15	16	33.4	F2 J	12A	4674	A −15 3399
34		9.0A	57 39.882	0.0003	21	−15 8 51.30	−0.003	15	0.35	39.877	18	33.4	51.26	16	33.4	K0 J	12A	4675	A −14 3442
35		8.4A	57 42.195	0.0018	21	−16 23 43.50	−0.002	15	0.35	42.164	18	33.4	43.46	16	33.4	K2 J	12A	4676	A −15 3400
36		8.8A	57 48.425	0.0015	21	−14 56 47.20	−0.012	15	0.35	48.400	18	33.4	47.01	16	33.4	K2 J	12A	4677	A −14 3443
37		9.2A	57 54.498	0.0009	21	−15 0 5.37	0.039	15	0.35	54.484	18	33.4	6.03	16	33.4	F8 J	12A	4678K	A −14 3444
38		9.2A	57 56.431	0.0001	12	−10 12 45.12	−0.019	12	0.25	56.430	16	33.4	44.79	16	33.4	F5 R	16	4444	A −9 3412
39		8.7A	58 6.569	−0.0067	21	−15 35 3.03	0.013	15	0.35	6.680	18	33.4	3.26	16	33.4	F5 J	12A	4679	A −15 3402
40		9.2A	58 9.614	−0.0036	15	−10 43 52.12	−0.039	15	0.30	9.673	18	33.4	51.46	16	33.4	K2 J	11	4419	A −10 3385
41		5.6T	58 10.357	0.0082	03	−10 9 40.16	−0.482	03	0.18	9.948	06	00.4	16.09	06	00.1	G5	GC	16421	B* −9 3413
42		5.3T	58 17.515	−0.0012	04	−19 22 50.18	0.008	04	0.22	17.572	10	01.5	50.62	10	95.9	B3	GC	16423	B*−18 3295
43		9.0A	58 28.506	−0.0016	21	−18 14 17.95	−0.032	15	0.35	28.532	18	33.4	17.42	16	33.4	F0 J	12A	4680	A −17 3529
44		9.3A	58 51.361	−0.0003	21	−15 14 55.99	−0.012	15	0.35	51.366	18	33.4	55.80	16	33.4	K7 J	12A	4681	A −14 3448
45		8.5A	58 52.740	−0.0025	21	−17 14 18.43	−0.016	15	0.35	52.781	18	33.4	18.16	16	33.4	F2 J	12A	4682	A −16 3373
46		8.7A	58 59.662	−0.0073	15	−19 7 22.25	−0.091	11	0.27	59.783	18	33.4	20.74	16	33.4	K0 J	12B	5226	A −18 3298
47		8.4A	59 5.534	−0.0004	15	−19 3 37.81	−0.026	11	0.27	5.541	18	33.4	37.38	16	33.4	K0 J	12B	5228	A −18 3299
48		8.4A	59 7.856	−0.0023	18	−18 30 48.06	0.044	13	0.31	7.895	18	33.4	48.79	16	33.4	F8 J	12B	5230	A −17 3536
49		9.3A	59 12.254	0.0022	17	−14 12 2.00	0.012	18	0.33	12.216	18	33.4	2.19	16	33.4	K0 J	11	4421	A −13 3484
50		9.4A	59 35.176	0.0009	21	−15 25 45.53	−0.040	15	0.35	35.161	18	33.4	44.87	16	33.4	F2 J	12A	4684	A −14 3451
51		9.1A	11 59 36.646	−0.0027	15	−13 8 50.03	0.007	17	0.31	36.692	18	33.4	50.14	16	33.4	G5 J	11	4423	A −12 3550
52		8.7A	59 45.029	−0.0033	15	−11 58 23.32	0.014	17	0.31	45.084	18	33.4	23.55	16	33.4	K2 J	11	4424	A −11 3224
53		8.1A	59 52.685	0.0011	17	−11 39 20.80	−0.011	18	0.33	52.667	18	33.4	20.61	16	33.4	K5 J	11	4425	A −11 3225
54		8.3A	59 56.354	0.0008	15	−11 41 44.51	−0.059	20	0.34	56.341	18	33.4	43.53	16	33.4	F8 J	11	4426	A −11 3226
55		8.7A	12 0 5.497	0.0017	12	−10 26 6.21	−0.015	12	0.25	5.468	16	33.4	5.95	16	33.4	G0	16	4453	A −9 3420
56		8.7A	0 6.826	−0.0002	17	−19 21 52.02	−0.044	13	0.30	6.829	18	33.4	51.29	16	33.4	F8 J	12B	5233	A −18 3303
57		8.4A	0 11.449	−0.0032	12	−10 22 15.40	−0.005	12	0.25	11.502	16	33.4	15.31	16	33.4	F2	16	4454	A −9 3421
58		8.9A	0 20.769	−0.0008	21	−17 24 4.10	−0.031	15	0.35	20.782	18	33.4	3.58	16	33.4	K5 J	12A	4685	A −16 3379
59		8.6A	0 22.120	−0.0017	17	−11 32 4.12	0.020	18	0.33	22.148	18	33.4	4.45	16	33.4	A0 J	11	4429	A −11 3228
60		8.9A	0 24.280	−0.0010	15	−12 47 47.46	0.002	17	0.31	24.297	18	33.4	47.49	16	33.4	K0 J	11	4430	A −12 3553
61		7.9A	0 25.872	−0.0025	11	−10 28 25.92	−0.028	11	0.24	25.830	16	33.4	25.44	16	33.4	F5	16	4456	A −9 3422
62		9.1A	0 26.438	−0.0003	15	−18 56 16.65	0.014	11	0.27	26.443	18	33.4	16.89	16	33.4	A3 J	12B	5238	A −18 3305
63		8.4A	0 32.774	−0.0011	21	−16 10 40.79	−0.029	15	0.35	32.792	18	33.4	40.30	16	33.4	A0 J	12A	4686	A −15 3405
64		9.6A	0 44.301	−0.0035	18	−16 27 19.55	−0.009	13	0.31	44.359	18	33.4	19.41	16	33.4	G0 J	12A	4687	A −15 3406
65		8.9A	0 45.848	0.0013	21	−17 0 40.22	−0.039	15	0.35	45.826	18	33.4	39.57	16	33.4	K0 J	12A	4688	A −16 3380
66		8.8A	0 57.273	−0.0033	17	−19 1 10.05	0.015	13	0.30	57.327	18	33.4	10.30	16	33.4	F5 J	12B	5240	A −18 3309
67		9.5A	1 7.420	−0.0014	21	−16 21 43.78	−0.022	15	0.35	7.443	18	33.4	43.41	16	33.4	K7 J	12A	4689	A −15 3407
68		8.7A	1 13.944	0.0028	15	−13 37 18.82	−0.025	17	0.31	13.897	18	33.4	18.41	16	33.4	K2 J	11	4432	A −13 3485
69		6.6T	1 26.532	−0.0003	12	−10 1 4.23	0.009	10	0.56	26.544	18	03.8	4.66	18	00.4	A2	GC	16481	−9 3425
70		9.0A	1 30.649	0.0017	15	−18 51 3.24	−0.022	11	0.27	30.621	18	33.4	2.87	16	33.4	K0 J	12B	5242	A −18 3310
71		8.5A	1 31.425	0.0001	18	−15 0 11.62	0.072	13	0.31	31.423	18	33.4	12.82	16	33.4	K0 J	12A	4690	A −14 3454
72		9.2A	1 45.405	−0.0008	15	−12 31 21.56	−0.057	17	0.31	45.419	18	33.4	20.61	16	33.4	F8 J	11	4433	A −11 3232
73		9.3A	1 51.715	−0.0037	17	−18 53 10.58	−0.045	13	0.30	51.776	18	33.4	9.83	16	33.4	K0 J	12B	5245	A −18 3311
74		8.8A	2 9.148	−0.0060	17	−10 50 47.81	−0.001	18	0.33	9.248	18	33.4	47.78	16	33.4	K2 J	11	4435	A −10 3396
75		8.8A	2 11.125	−0.0007	21	−17 34 20.40	−0.036	15	0.35	11.137	18	33.4	19.79	16	33.4	G5 J	12A	4692	A −17 3546
76		8.9A	2 13.943	−0.0019	15	−13 28 11.00	0.007	15	0.30	13.975	18	33.4	11.11	16	33.4	F2 J	11	4436	A −12 3560
77		8.7A	2 21.076	−0.0012	15	−19 17 10.55	0.009	11	0.27	21.095	18	33.4	10.70	16	33.4	K2 J	12B	5248	A −18 3313
78		8.9A	2 23.488	−0.0014	11	−19 5 52.48	0.002	09	0.24	23.512	18	33.4	52.51	16	33.4	A2 J	12B	5249	A −18 3314
79		8.4A	2 28.037	0.0018	15	−14 15 8.47	−0.001	17	0.31	28.007	18	33.4	8.44	16	33.4	K2 J	11	4437	A −13 3486
80		8.8A	3 9.734	−0.0016	21	−16 14 31.83	−0.012	15	0.35	9.761	18	33.4	31.62	16	33.4	K2 J	12A	4693	A −15 3415
81		9.2A	3 16.182	0.0004	21	−14 22 39.86	−0.042	15	0.35	16.175	18	33.4	39.16	16	33.4	K0 J	12A	4694	A −13 3487
82		8.3A	3 26.754	−0.0042	17	−13 2 18.51	−0.016	18	0.33	26.823	18	33.4	18.24	16	33.4	K5 J	11	4439	A −12 3561
83		8.4A	3 39.718	−0.0010	15	−19 45 40.86	0.013	11	0.27	39.735	18	33.4	41.07	16	33.4	F2 J	12B	5257	A −19 3407
84		8.9A	4 12.109	−0.0017	15	−11 24 13.16	−0.024	17	0.31	12.137	18	33.4	12.75	16	33.4	G5 J	11	4440	A −10 3402
85		8.8A	4 12.759	0.0018	17	−17 41 59.45	−0.024	11	0.29	12.729	18	33.4	59.04	16	33.4	K0 J	12A	4695	A −17 3553
86		6.7T	4 13.554	−0.0078	09	−11 57 45.13	−0.007	08	0.34	13.868	09	09.5	44.84	09	10.6	F0	GC	16549	−11 3238
87		9.5A	4 22.065	−0.0058	12	−10 37 45.98	−0.034	12	0.25	22.162	16	33.4	45.41	16	33.4	G5	16	4469	A −10 3403
88		8.5A	4 27.965	−0.0012	15	−19 15 5.71	−0.039	11	0.27	27.985	18	33.4	5.06	16	33.4	G0 J	12B	5262	A −18 3324
89		9.1A	4 40.131	−0.0005	18	−17 38 9.00	−0.020	13	0.31	40.139	18	33.4	8.66	16	33.4	K5 J	12A	4696	A −17 3555
90		8.4A	4 48.105	−0.0067	12	−10 27 40.40	0.005	12	0.25	48.216	16	33.4	40.48	16	33.4	A0	16	4471	A −9 3434
91		7.1T	4 53.506	−0.0008	13	−17 54 44.79	0.026	12	0.61	53.540	19	05.5	46.00	19	03.0	K0	GC	16563	−17 3557
92		8.9A	5 0.712	0.0020	15	−10 48 58.24	−0.035	17	0.31	0.679	18	33.4	57.65	16	33.4	K0 J	11	4444	A −10 3405
93		8.4A	5 2.105	0.0006	21	−14 34 51.63	−0.026	15	0.35	2.096	18	33.4	51.21	16	33.4	K0 J	12A	4698	A −14 3460
94		9.2A	5 12.036	−0.0016	13	−10 47 45.07	0.022	17	0.30	12.062	18	33.4	45.43	16	33.4	K7 J	11	4446	A −10 3406
95		9.0A	5 14.847	−0.0005	17	−19 57 26.36	−0.004	13	0.30	14.856	18	33.4	26.29	16	33.4	F5 J	12B	5267	A −19 3412
96		9.1A	5 22.528	0.0020	21	−16 38 56.37	0.003	15	0.35	22.495	18	33.4	56.41	16	33.4	G5 J	12A	4699	A −16 3393
97		8.8A	5 25.178	−0.0015	21	−17 13 5.66	−0.033	15	0.35	25.202	18	33.4	5.10	16	33.4	K2 J	12A	4700	A −16 3394
98		8.6A	5 35.049	−0.0019	18	−19 31 26.54	−0.053	13	0.31	35.081	18	33.4	25.66	16	33.4	G5 J	12B	5269	A −18 3328
99		9.0A	5 35.578	0.0024	21	−14 50 40.42	0.007	15	0.35	35.539	18	33.4	40.55	16	33.4	G5 J	12A	4701	A −14 3462
00		8.5A	5 54.394	0.0009	15	−18 47 51.43	−0.014	11	0.27	54.379	18	33.4	51.20	16	33.4	K5 J	12B	5274	A −18 3331

157100

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.		SOURCE CAT.	SOURCE STAR NUMBER	-10° 12H DM NUMBER
1		9.4A	12 5 58.644	-0.0021	21	-16 56 38.47	-0.053	15	0.35	58.679	18	33.4	37.59	16	33.4	G0	J	12A	4703	A -16 3395
2		9.6A	6 7.424	-0.0028	17	-19 47 33.70	0.004	13	0.30	7.470	18	33.4	33.76	16	33.4	F8	J	12B	5276	A -19 3414
3		8.0A	6 8.867	-0.0061	21	-18 9 25.29	0.006	15	0.35	8.969	18	33.4	25.38	16	33.4	K2	J	12A	4704	A -17 3562
4		6.6A	6 13.811	0.0026	21	-16 52 32.68	-0.008	15	0.35	13.768	18	33.4	32.54	16	33.4	M2	J	12A	4705	A -16 3396
5		8.8A	6 24.591	-0.0024	17	-19 39 17.69	-0.001	13	0.30	24.630	18	33.4	17.67	16	33.4	K2	J	12B	5278	A -19 3415
6		8.9A	6 39.813	0.0005	21	-17 45 1.10	0.006	15	0.35	39.805	18	33.4	1.19	16	33.4	K2	J	12A	4706	A -17 3564
7		8.9A	6 41.007	-0.0008	15	-13 34 58.05	0.019	17	0.31	41.019	18	33.4	58.36	16	33.4	A5	J	11	4447	A -13 3491
8		9.0A	6 41.717	0.0002	17	-12 45 7.17	-0.010	18	0.33	41.714	18	33.4	7.00	16	33.4	F8	J	11	4448	A -12 3568
9		8.4A	6 47.835	0.0007	15	-12 39 41.79	-0.022	15	0.30	47.824	18	33.4	41.42	16	33.4	K0	J	11	4449	A -12 3569
10		9.1A	6 52.679	-0.0002	15	-11 57 34.76	-0.019	17	0.31	52.683	18	33.4	34.44	16	33.4	K5	J	11	4451	A -11 3247
11		6.8T	6 53.197	0.0210	06	-11 34 35.69	-0.171	05	0.32	52.095	12	97.6	25.95	10	93.2	G0		GC	16601K	B* -11 3246
12		8.9Q	6 54.714	0.0008	10	-11 34 31.05	-0.064	10	0.51	54.675	18	03.0	27.81	18	99.7	G0		GC	16602K	-11 3248
13		9.3A	6 54.940	-0.0019	12	-10 6 52.27	-0.040	12	0.25	54.971	16	33.4	51.60	16	33.4	G5	R	16	4477	A -9 3445
14		8.7A	7 11.637	0.0046	17	-19 36 6.64	-0.032	13	0.30	11.560	18	33.4	6.10	16	33.4	G0	J	12B	5283	A -19 3417
15		9.1A	7 14.940	-0.0017	18	-19 46 4.52	0.009	13	0.31	14.969	18	33.4	4.66	16	33.4	G0	J	12B	5284	A -19 3418
16		9.0A	7 17.974	-0.0025	21	-16 48 30.89	-0.006	15	0.35	18.015	18	33.4	30.78	16	33.4	F0	J	12A	4707	A -16 3401
17		9.6A	7 18.380	-0.0025	12	-10 6 15.28	-0.033	12	0.25	18.421	16	33.4	14.72	16	33.4	G0	R	16	4480	A -9 3447
18		8.5A	7 23.793	-0.0022	15	-13 9 26.99	0.020	17	0.31	23.830	18	33.4	27.31	16	33.4	G0	J	11	4454	A -12 3573
19		8.4A	7 28.607	0.0043	17	-16 13 46.46	-0.046	12	0.29	28.536	18	33.4	45.70	16	33.4	K2	J	12A	4708	A -15 3425
20		6.6T	7 31.540	-0.0058	13	-17 15 31.83	-0.054	12	0.60	31.793	21	06.3	29.29	19	03.5	F5		GC	16617	-16 3403
21		8.3A	7 36.340	-0.0030	18	-19 53 59.74	-0.044	13	0.31	36.390	18	33.4	59.00	16	33.4	K0	J	12B	5288	A -19 3421
22		8.8A	7 39.458	-0.0066	21	-15 8 35.05	-0.041	15	0.35	39.567	18	33.4	35.74	16	33.4	G0	J	12A	4710	A -14 3468
23		8.8A	7 43.322	-0.0001	18	-11 13 49.32	-0.035	20	0.36	43.324	18	33.4	48.73	16	33.4	F5	J	11	4455	A -10 3414
24		8.2A	7 50.554	-0.0042	18	-13 54 3.41	0.035	20	0.36	50.624	18	33.4	3.98	16	33.4	G0	J	11	4456	A -13 3495
25		8.8A	7 54.924	0.0016	21	-16 55 54.31	-0.007	15	0.35	54.897	18	33.4	54.19	16	33.4	A0	J	12A	4711	A -16 3405
26		9.2A	7 56.121	-0.0008	21	-16 20 51.70	0.002	15	0.35	56.134	18	33.4	51.74	16	33.4	G5	J	12A	4712	A -15 3427
27		8.9A	8 5.187	-0.0152	21	-16 40 39.65	-0.072	15	0.35	5.439	18	33.4	38.45	16	33.4	G0	J	12A	4713	A -16 3407
28		8.7A	8 12.838	-0.0045	21	-14 39 20.35	0.010	15	0.35	12.913	18	33.4	20.53	16	33.4	G0	J	12A	4714	A -14 3469
29		9.0A	8 21.936	0.0061	12	-10 6 11.87	-0.259	12	0.25	21.834	16	33.4	7.55	16	33.4	G5		16	4487	A -9 3451
30		8.9A	8 35.065	0.0024	12	-10 25 44.23	-0.036	12	0.25	35.025	16	33.4	43.62	16	33.4	A2		16	4488	A -9 3452
31		9.0A	8 38.761	0.0009	15	-19 44 33.51	0.002	11	0.27	38.746	18	33.4	33.53	16	33.4	K0	J	12B	5292	A -19 3423
32		8.4A	8 39.897	0.0025	17	-11 49 8.04	-0.038	18	0.33	39.855	18	33.4	7.41	16	33.4	F2	J	11	4459	A -11 3251
33		6.9T	8 48.804	-0.0101	06	-16 30 44.03	-0.063	06	0.36	49.343	15	96.6	40.39	14	92.5	G5		GC	16644	-15 3429
34		9.4A	8 50.733	0.0014	18	-19 27 47.89	-0.041	13	0.31	50.709	18	33.4	47.21	16	33.4	K2	J	12B	5293	A -18 3343
35		8.9A	8 58.015	-0.0012	11	-10 28 16.22	-0.008	11	0.24	58.035	16	33.4	16.08	16	33.4	K7		16	4491	A -9 3456
36		7.3A	9 6.054	-0.0014	11	-10 17 33.40	-0.016	11	0.24	6.077	16	33.4	33.12	16	33.4	G5		16	4493	A -9 3457
37		7.5A	9 14.764	-0.0070	15	-19 39 3.82	-0.008	12	0.28	14.880	18	33.4	3.68	16	33.4	F8	J	12B	5295	A -19 3424
38		8.3A	9 16.365	-0.0008	17	-18 30 35.91	-0.025	13	0.30	16.379	18	33.4	35.50	16	33.4	K0	J	12B	5296	A -17 3569
39		8.7A	9 17.240	-0.0045	15	-11 7 14.73	-0.025	17	0.31	17.316	18	33.4	14.31	16	33.4	F5	J	11	4462	A -10 3418
40		9.2A	9 20.733	0.0001	17	-16 54 17.23	0.008	13	0.30	20.731	18	33.4	17.36	16	33.4	K2	J	12A	4717	A -16 3410
41		8.7A	9 24.199	0.0052	15	-11 33 17.47	-0.034	17	0.31	24.113	18	33.4	16.90	16	33.4	F5	J	11	4463	A -11 3254
42		9.1A	9 32.897	-0.0019	18	-17 9 29.60	-0.025	13	0.31	32.929	18	33.4	29.18	16	33.4	F8	J	12A	4718	A -16 3412
43		8.9A	9 35.771	-0.0003	21	-18 7 2.54	-0.006	15	0.35	35.775	18	33.4	3.44	16	33.4	K2	J	12A	4719	A -17 3571
44		9.0A	9 35.923	0.0000	17	-11 16 53.07	-0.000	18	0.33	35.923	18	33.4	53.06	16	33.4	F8	J	11	4464	A -10 3419
45		7.8A	9 43.788	-0.0029	11	-19 35 41.31	-0.008	09	0.24	43.836	18	33.4	41.17	16	33.4	G5	J	12B	5299	A -19 3426
46		8.9A	9 48.178	-0.0019	21	-16 55 56.93	-0.038	15	0.35	48.209	18	33.4	56.29	16	33.4	A2	J	12A	4720	A -16 3413
47		8.2A	9 50.407	0.0011	18	-11 22 51.84	0.002	20	0.36	50.389	18	33.4	51.87	16	33.4	K2	J	11	4465	A -10 3420
48		8.6A	9 55.414	-0.0036	21	-15 10 46.76	0.010	15	0.35	55.474	18	33.4	46.94	16	33.4	F5	J	12A	4721	A -14 3476
49		9.0A	9 59.412	-0.0182	17	-19 50 19.23	0.025	13	0.30	59.715	18	33.4	19.64	16	33.4	G5	J	12B	5301	A -19 3428
50		8.9A	10 21.480	-0.0031	17	-13 58 0.71	0.035	18	0.33	21.531	18	33.4	1.28	16	33.4	K0	J	11	4466	A -13 3502
51		8.3A	12 10 22.365	-0.0029	18	-12 30 44.76	-0.021	20	0.36	22.413	18	33.4	44.40	16	33.4	F5	J	11	4467	A -11 3256
52		8.8A	10 22.738	0.0002	21	-16 51 27.29	-0.024	15	0.35	22.735	18	33.4	26.88	16	33.4	K2	J	12A	4722	A -16 3415
53		9.2A	10 28.748	-0.0085	21	-16 20 6.84	-0.012	15	0.35	28.888	18	33.4	6.63	16	33.4	G0	J	12A	4723	A -15 3433
54		9.0A	10 45.901	-0.0014	15	-12 13 17.38	-0.008	17	0.31	45.924	18	33.4	17.24	16	33.4	G0	J	11	4468	A -11 3257
55		9.5A	11 12.058	-0.0038	15	-19 47 17.23	-0.005	11	0.27	12.121	18	33.4	17.14	16	33.4	G0	J	12B	5309	A -19 3438
56		8.8A	11 16.486	-0.0010	21	-15 41 54.68	0.001	15	0.35	16.502	18	33.4	54.70	16	33.4	K0	J	12A	4724	A -15 3435
57		9.0A	11 29.385	-0.0005	21	-17 28 48.75	-0.000	15	0.35	29.394	18	33.4	48.74	16	33.4	K5	J	12A	4725	A -16 3418
58		9.2A	11 31.959	0.0015	21	-15 14 9.80	0.013	15	0.35	31.934	18	33.4	10.03	16	33.4	K5	J	12A	4726	A -14 3479
59		9.0A	11 34.771	-0.0006	15	-12 32 49.42	-0.019	17	0.31	34.780	18	33.4	49.10	16	33.4	K5	J	11	4469	A -12 3588
60		8.0A	11 41.580	-0.0015	15	-18 52 34.65	-0.037	11	0.27	41.605	18	33.4	34.04	16	33.4	K2	J	12B	5311	A -18 3351
61		8.5A	11 51.551	-0.0002	18	-12 44 9.19	0.007	20	0.36	51.555	18	33.4	9.30	16	33.4	F8	J	11	4470	A -12 3589
62		9.2A	11 53.519	-0.0007	21	-15 48 37.36	-0.036	15	0.35	53.531	18	33.4	36.75	16	33.4	K2	J	12A	4727	A -15 3436
63		8.5A	11 54.185	-0.0010	13	-19 49 45.33	-0.018	09	0.26	54.202	18	33.4	45.02	16	33.4	G0	J	12B	5312	A -19 3441
64		8.8A	12 3.703	-0.0041	18	-13 19 54.48	-0.055	20	0.36	3.770	18	33.3	53.56	16	33.3	G0	J	11	4471	A -12 3590
65		8.8A	12 9.386	0.0010	15	-12 21 18.23	-0.001	17	0.31	9.369	18	33.3	18.21	16	33.3	G5	J	11	4472	A -11 3262
66		8.8A	12 17.468	-0.0010	12	-10 7 20.99	-0.026	12	0.25	17.486	16	33.4	20.55	16	33.4	K2		16	4507	A -9 3467
67		8.9A	12 19.913	0.0012	15	-12 20 59.76	0.004	20	0.34	19.894	18	33.3	59.82	16	33.3	G0	J	11	4473	A -11 3263
68		6.1T	12 35.965	0.0020	07	-10 1 13.96	-1.023	05	0.36	35.842	09	89.8	14.79	09	92.2	F8		GC	16731	B* -9 3468
69		9.2A	12 37.582	-0.0002	17	-15 39 35.58	0.024	15	0.31	37.585	18	33.4	35.97	16	33.4	K5	J	12A	4728	A -15 3437
70		8.8A	12 41.926	-0.0002	15	-19 6 36.93	0.001	11	0.27	41.930	18	33.4	36.95	16	33.4	K0	J	12B	5318	A -18 3354
71		9.3A	12 50.275	-0.0106	21	-18 20 55.72	-0.031	15	0.35	50.451	18	33.4	55.20	16	33.4	G5	J	12A	4729	A -17 3583
72		7.6T	12 55.922	0.0015	10	-13 47 39.00	-0.021	08	0.52	55.842	21	97.0	37.81	19	93.8	K0		GC	16735	-13 3508
73		9.0A	13 1.605	0.0003	15	-12 10 57.87	-0.020	17	0.31	1.600	18	33.3	57.53	16	33.3	K2	J	11	4475	A -11 3265
74		8.5A	13 6.223	-0.0009	21	-18 15 40.50	0.006	15	0.35	6.237	18	33.4	40.59	16	33.4	G5	J	12A	4730	A -17 3584
75		8.6A	13 10.365	0.0010	15	-18 35 58.07	-0.026	11	0.27	10.349	18	33.4	57.64	16	33.4	A5	J	12B	5321	A -18 3355
76		2.8H	13 13.843	-0.0114	01	-17 15 51.84	0.018	01	0.05	14.280	02	11.8	52.51	02	11.9	B8		F4	457	-16 3424
77		7.6T	13 15.151	-0.0010	10	-13 32 19.89	-0.000	09	0.55	15.203	21	97.9	19.88	19	95.0	K5		GC	16741	-13 3509
78		8.8A	13 33.353	-0.0029	12	-10 3 35.76	0.006	12	0.25	33.401	16	33.4	35.85	16	33.4	G5		16	4518	A -9 3471
79		8.0A	13 39.381	-0.0018	18	-11 44 33.99	-0.002	20	0.36	39.412	18	33.3	33.95	16	33.3	K2	J	11	4477	A -11 3268
80		9.1A	13 48.277	-0.0020	21	-15 38 59.70	0.007	15	0.35	48.310	18	33.4	59.81	16	33.4	K2	J	12A	4733	A -15 3440
81		8.2A	14 0.547	0.0015	12	-10 2 47.48	-0.010	12	0.25	0.522	16	33.4	47.30	16	33.4	A0		16	4520	A -9 3472
82		8.2A	14 1.428	-0.0076	15	-14 12 13.31	0.034	17	0.31	1.554	18	33.3	13.87	16	33.3	F8	J	11	4478	A -13 3512
83		9.2A	14 4.244	-0.0033	17	-12 4 33.23	-0.000	18	0.34	4.300	18	33.3	33.23	16	33.3	K2	J	11	4479	A -11 3269
84		6.0T	14 28.365	-0.0036	07	-16 24 57.67	-0.002	07	0.31	28.518	09	07.1	57.57	09	08.7	A2		GC	16762	-15 3442
85		9.2A	14 37.696	0.0002	21	-14 57 28.94	-0.015	15	0.35	37.694	18	33.3	28.70	16	33.3	A2	J	12A	4735	A -14 3484
86		9.0A	14 43.816	0.0013	15	-19 2 42.15	-0.028	11	0.27	43.794	18	33.4	41.69	16	33.4	F5	J	12B	5330	A -18 3360
87		8.9A	14 45.485	-0.0041	17	-11 59 50.93	-0.013	18	0.34	45.553	18	33.3	50.71	16	33.3	K0	J	11	4480	A -11 3272
88		9.0A	14 54.643	-0.0000	21	-17 58 45.80	-0.021	15	0.35	54.643	18	33.3	45.44	16	33.3	K2	J	12A	4736	A -17 3592
89		9.0A	15 3.323	0.0011	21	-16 24 1.56	0.012	15	0.35	3.305	18	33.3	1.77	16	33.3	K2	J	12A	4737	A -15 3444
90		9.2A	15 8.663	-0.0090	15	-10 51 54.63	-0.018	17	0.31	8.813	18	33.3	54.32	16	33.3	F8	J	11	4481	A -10 3437
91		9.0A	15 9.693	-0.0042	18	-17 4 44.82	-0.012	13	0.31	9.762	18	33.3	44.61	16	33.3	K0	J	12A	4738	A -16 3432
92		8.5A	15 15.918	-0.0009	15	-10 43 54.37	-0.000	17	0.31	15.933	18	33.3	54.36	16	33.3	A2	J	11	4482	A -10 3440
93		9.0A	15 15.947	-0.0014	21	-16 50 5.82	-0.038	15	0.35	15.970	18	33.3	5.18	16	33.3	K0	J	12A	4739	A -16 3433
94		8.4A	15 19.508	0.0002	21	-16 40 29.81	-0.066	15	0.35	19.504	18	33.3	28.70	16	33.3	K0	J	12A	4740	A -16 3434
95		9.2A	15 23.485	-0.0060	21	-16 33 16.55	-0.049	15	0.35	23.584	18	33.3	15.72	16	33.3	K2	J	12A	4741	A -16 3435
96		9.0A	15 25.641	-0.0110	21	-14 39 42.29	0.112	15	0.35	25.825	18	33.3	44.15	16	33.3	G0	J	12A	4742	A -14 3486
97		9.0A	15 27.596	-0.0006	15	-18 37 0.49	0.020	11	0.27	27.606	18	33.4	0.82	16	33.4	K5	J	12B	5334	A -18 3362
98		9.1A	15 28.398	-0.0020	17	-12 23 46.93	-0.009	18	0.34	28.431	18	33.3	46.77	16	33.3	K0	J	11	4484	A -11 3276
99		8.7A	15 41.241	-0.0026	15	-18 26 1.49	0.009	11	0.27	41.284	18	33.4	1.64	16	33.4	F2	J	12B	5336	A -17 3596
00		8.8A	15 47.026	-0.0025	21	-15 18 59.34	-0.022	15	0.35	47.069	18	33.3	58.98	16	33.3	A3	J	12A	4745	A -14 3488

157200

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	EPOCH 1950 μ s	EPOCH 1950 σ_μ ″.001	EPOCH 1950 δ_{1950} ° ′ ″	EPOCH 1950 μ' ″	EPOCH 1950 $\sigma_{\mu'}$ ″.001	EPOCH 1950 σ_{1950} ″	ORIGINAL EPOCH α_2 s	ORIGINAL EPOCH σ ″.01	ORIGINAL EPOCH ep.	ORIGINAL EPOCH δ_2 ″	ORIGINAL EPOCH σ' ″.01	ORIGINAL EPOCH ep.	SP.		SOURCE CAT.	SOURCE STAR NUMBER	-100 12H DM NUMBER
1		9.2A	12 15 49.311	-0.0007	18	-15 32 0.05	-0.032	13	0.31	49.322	18	33.3	59.53	16	33.3	A3	J	12A	4746	A -15 3449
2		7.8A	16 0.557	-0.0032	15	-14 7 45.57	0.029	17	0.31	0.610	18	33.3	46.05	16	33.3	F0	J	11	4485	A -13 3514
3		8.8A	16 9.370	0.0040	21	-16 32 54.14	-0.051	15	0.35	9.303	18	33.3	53.29	16	33.3	K0	J	12A	4747	A -16 3439
4		8.8A	16 24.276	0.0001	21	-15 30 35.74	0.002	15	0.35	24.274	18	33.3	35.78	16	33.3	K0	J	12A	4748	A -14 3469
5		6.9A	16 25.721	0.0023	15	-13 15 51.51	-0.005	15	0.30	25.682	18	33.3	51.42	16	33.3	A2	J	11	4486	A -12 3603
6		8.8A	16 35.929	-0.0013	17	-11 14 40.22	0.010	18	0.34	35.951	18	33.3	40.38	16	33.3	K5	J	11	4487	A -10 3442
7		8.3A	16 43.703	-0.0011	21	-15 39 47.82	0.012	15	0.35	43.720	18	33.3	48.01	16	33.3	K0	J	12A	4749	A -15 3450
8		8.9A	16 52.306	-0.0055	15	-18 38 49.75	0.001	11	0.27	52.398	18	33.3	49.77	16	33.3	K0	J	12B	5345	A -18 3365
9		8.8A	16 54.316	0.0007	17	-12 4 57.56	-0.022	18	0.34	54.304	18	33.3	57.19	16	33.3	F8	J	11	4488	A -11 3278
10		8.7A	16 57.104	-0.0060	17	-13 10 30.96	-0.048	18	0.34	57.205	18	33.3	30.15	16	33.3	G0	J	11	4489	A -12 3604
11		5.9I	17 2.315	0.0004	14	-18 58 41.71	0.003	13	0.71	2.294	24	02.6	41.87	22	99.0	M6E		GC	16806V	B*-18 3367
12		7.2A	17 7.072	-0.0010	17	-18 55 17.57	0.022	13	0.30	7.089	18	33.3	17.94	16	33.3	M4	J	12B	5348	A -18 3368
13		8.8A	17 14.344	-0.0030	18	-10 42 6.91	0.008	20	0.36	14.394	18	33.3	7.05	16	33.3	K5	J	11	4490	A -10 3446
14		7.8A	17 20.200	-0.0020	15	-18 59 49.23	-0.032	09	0.26	20.234	18	33.3	48.90	16	33.3	K0	J	12B	5351	A -18 3369
15		8.1G	17 22.090	-0.0001	11	-14 47 6.22	-0.017	08	0.49	22.095	19	05.8	5.31	18	98.0	K0		GC	16815	-14 3493
16		8.7A	17 34.826	-0.0003	18	-13 50 49.30	-0.113	20	0.36	34.831	18	33.3	47.41	16	33.3	G0	J	11	4491	A -13 3520
17		8.8A	17 35.053	-0.0001	15	-11 6 33.37	0.015	17	0.31	35.055	18	33.3	33.81	16	33.3	F2	J	11	4492	A -10 3447
18		9.1A	17 38.095	-0.0020	18	-11 43 52.22	-0.061	20	0.36	38.128	18	33.3	51.20	16	33.3	G0	J	11	4493	A -11 3281
19		8.4A	17 38.422	0.0021	12	-10 31 6.79	0.009	12	0.25	38.388	16	33.4	6.93	16	33.4	A2		16	4537	A -9 3483
20		8.3A	17 47.614	-0.0038	21	-14 33 13.97	0.008	15	0.35	47.678	18	33.3	14.11	16	33.3	K0	J	12A	4752	A -14 3494
21		8.7A	18 6.101	-0.0023	17	-19 56 59.22	0.005	13	0.30	6.139	18	33.3	59.30	16	33.3	A3	J	12B	5357	A -19 3464
22		9.1A	18 9.607	-0.0012	18	-15 26 47.04	-0.012	17	0.34	9.627	18	33.3	46.85	16	33.3	A5	J	12A	4753	A -14 3495
23		8.8A	18 12.286	-0.0266	15	-19 37 4.01	-0.066	11	0.27	12.731	18	33.3	2.90	16	33.3	K0	J	12B	5359	A -19 3466
24		8.6A	18 16.030	-0.0023	18	-12 34 33.76	0.020	20	0.36	16.068	18	33.3	34.08	16	33.3	M3	J	11	4496	A -12 3613
25		8.4A	18 16.813	-0.0036	21	-15 32 13.02	-0.065	15	0.35	18.873	18	33.3	11.94	16	33.3	F8	J	12A	4754	A -15 3452
26		5.4T	18 20.619	0.0000	04	-13 17 18.15	0.013	04	0.23	20.618	07	97.1	18.86	07	93.5	K0		GC	16841	B*-12 3614
27		9.1A	18 29.757	-0.0010	21	-16 36 5.50	0.055	15	0.35	29.773	18	33.3	6.41	16	33.3	F8	J	12A	4755	A -16 3443
28		9.2A	18 30.442	-0.0012	11	-10 37 42.06	-0.027	11	0.24	30.462	16	33.4	41.60	16	33.4	G0		16	4540	A -10 3451
29		8.1G	18 33.614	-0.0014	08	-11 11 53.18	-0.033	06	0.41	33.681	18	00.3	51.19	15	90.4	A0		GC	16845K	B*-10 3452
30		9.2A	18 33.723	-0.0033	17	-11 12 3.88	0.105	18	0.34	33.777	18	33.3	5.62	16	33.3	A0	J	11	4500	A -10 3452
31		9.0A	18 37.690	0.0009	11	-10 28 18.24	-0.004	12	0.24	37.676	16	33.4	18.16	16	33.4	K2		16	4542	A -9 3485
32		8.6A	18 48.054	0.0010	18	-12 30 12.69	0.040	20	0.36	48.037	18	33.3	13.35	16	33.3	K0	J	11	4502	A -11 3286
33		8.8A	18 57.295	-0.0008	17	-11 30 14.03	-0.010	18	0.34	57.309	18	33.3	13.86	16	33.3	F5	J	11	4503	A -10 3453
34		8.1A	18 59.543	-0.0060	18	-13 24 14.45	0.013	20	0.36	59.643	18	33.3	14.66	16	33.3	G0	J	11	4504	A -12 3616
35		8.6A	19 0.596	-0.0007	18	-10 46 32.35	-0.003	20	0.36	0.609	18	33.3	32.29	16	33.3	K5	J	11	4505	A -10 3454
36		9.2A	19 16.336	-0.0017	21	-16 52 16.81	-0.001	15	0.35	16.365	18	33.3	16.79	16	33.3	F8	J	12A	4756	A -16 3445
37		8.7A	19 16.594	-0.0126	21	-18 7 23.06	0.001	15	0.35	16.603	18	33.3	23.07	16	33.3	F5	J	12A	4757	A -17 3602
38		8.8A	19 25.045	-0.0041	18	-13 23 4.58	-0.015	20	0.36	25.114	18	33.3	4.33	16	33.3	K0	J	11	4506	A -12 3619
39		8.6A	19 33.888	-0.0008	18	-12 53 8.70	0.040	20	0.36	33.901	18	33.3	9.36	16	33.3	M2	J	11	4507	A -12 3621
40		6.7T	19 42.865	0.0020	12	-15 16 38.83	0.000	11	0.59	42.765	21	00.9	38.85	18	99.8	K0		GC	16868	B*-14 3500
41		8.9A	19 46.886	0.0002	12	-10 40 4.44	0.015	12	0.25	46.862	16	33.4	4.68	16	33.4	K0		16	4549	A -10 3455
42		8.8G	19 59.509	0.0081	16	-11 17 6.94	-0.137	17	0.69	59.184	19	10.1	1.40	21	09.7	G0		GC	16872	-10 3457
43		8.9A	20 5.672	0.0032	12	-10 6 44.72	-0.033	12	0.25	5.620	16	33.4	44.16	16	33.4	K2		16	4550	A -9 3487
44		9.4A	20 7.246	-0.0045	21	-17 51 16.10	-0.012	15	0.35	7.321	18	33.3	15.89	16	33.3	G5	J	12A	4759	A -17 3608
45		8.9A	20 8.069	-0.0001	15	-11 21 50.80	0.057	17	0.31	8.070	18	33.3	51.74	16	33.3	G5	J	11	4510	A -10 3458
46		8.8A	20 8.999	-0.0007	21	-14 45 27.25	0.017	15	0.35	9.010	18	33.3	27.54	16	33.3	K0	J	12A	4760	A -14 3503
47		8.8A	20 10.624	-0.0015	18	-12 50 17.63	-0.036	20	0.36	10.649	18	33.3	17.02	16	33.3	K0	J	11	4511	A -12 3623
48		7.9A	20 19.630	-0.0022	21	-14 23 7.99	-0.021	15	0.35	19.667	18	33.3	7.63	16	33.3	F2	J	12A	4761	A -13 3528
49		9.1A	20 21.498	-0.0006	15	-11 21 54.17	0.028	22	0.36	21.508	18	33.3	54.63	16	33.3	K7	J	11	4513	A -10 3459
50		9.1A	20 32.807	0.0039	21	-15 32 41.80	-0.078	15	0.35	32.741	18	33.3	40.49	16	33.3	F8	J	12A	4762	A -15 3458
51		9.2A	12 20 34.228	-0.0017	21	-14 30 48.17	-0.007	15	0.35	34.256	18	33.3	48.07	16	33.3	F5	J	12A	4763	A -13 3529
52		8.8A	20 42.169	-0.0004	15	-18 46 43.53	0.008	11	0.27	42.175	18	33.3	43.66	16	33.3	K2	J	12B	5371	A -18 3378
53		6.7T	20 43.891	-0.0048	12	-11 32 5.77	-0.022	10	0.59	44.127	19	00.5	4.59	18	97.5	M0		GC	16886	-11 3291
54		9.2A	20 46.448	0.0064	21	-15 26 27.76	-0.066	15	0.35	46.341	18	33.3	26.67	16	33.3	G0	J	12A	4764	A -14 3506
55		9.2A	21 0.028	-0.0032	18	-19 37 42.77	0.023	13	0.32	0.082	18	33.3	43.15	16	33.3	K5	J	12B	5374	A -19 3478
56		8.5A	21 0.441	-0.0013	21	-16 24 14.07	-0.012	15	0.35	0.463	18	33.3	13.88	16	33.3	F8	J	12A	4765	A -15 3459
57		9.4A	21 0.988	-0.0024	17	-17 34 40.19	0.015	11	0.29	1.028	18	33.3	40.43	16	33.3	G5	J	12A	4766	A -17 3612
58		7.9A	21 3.321	0.0048	17	-19 48 36.07	-0.054	13	0.30	3.241	18	33.3	35.16	16	33.3	K0	J	12B	5375	A -19 3479
59		9.3A	21 9.064	-0.0010	21	-17 23 20.43	-0.025	15	0.35	9.081	18	33.3	20.01	16	33.3	K0	J	12A	4767	A -16 3454
60		7.5T	21 16.833	-0.0041	20	-18 56 53.55	0.020	17	0.85	17.012	22	05.9	54.48	21	04.0	K0		GC	16898	-18 3379
61		7.4T	21 26.330	-0.0037	22	-19 17 38.21	-0.036	18	1.03	26.506	26	02.2	36.42	24	00.1	F8		GC	16902	-18 3380
62		8.1G	21 46.714	-0.0013	08	-10 11 55.53	0.048	07	0.42	46.780	15	97.7	58.17	15	94.6	K0		GC	16909	-9 3490
63		9.0A	21 56.737	-0.0019	13	-12 0 17.29	0.041	17	0.30	56.769	16	33.3	17.97	16	33.3	G5	J	11	4516	A -11 3294
64		8.8A	21 57.390	-0.0045	21	-17 57 59.04	-0.051	15	0.35	57.465	18	33.3	58.19	16	33.3	G0	J	12A	4768	A -17 3615
65		9.0A	21 59.696	-0.0018	21	-15 13 52.32	-0.015	15	0.35	59.724	18	33.3	52.08	16	33.3	K2	J	12A	4769	A -14 3509
66		9.4A	22 1.619	-0.0018	17	-11 54 14.19	-0.000	18	0.34	1.649	18	33.3	14.18	16	33.3	F8	J	11	4517	A -11 3295
67		9.0A	22 6.087	-0.0025	17	-19 47 39.83	-0.008	13	0.30	6.129	18	33.3	39.69	16	33.3	G5	J	12B	5382	A -19 3483
68		8.7A	22 14.425	-0.0043	18	-18 18 28.80	0.005	13	0.31	14.497	18	33.3	28.88	16	33.3	K0	J	12A	4770	A -17 3616
69		8.7A	22 15.686	-0.0039	21	-17 58 34.05	0.003	15	0.35	15.750	18	33.3	34.10	16	33.3	F2	J	12A	4771	A -17 3617
70		8.7A	22 16.643	-0.0038	13	-19 16 19.82	-0.045	09	0.26	16.707	18	33.3	19.07	16	33.3	F8	J	12B	5384	A -18 3382
71		8.8A	22 17.979	-0.0009	17	-19 35 36.97	-0.002	13	0.30	17.994	18	33.3	36.93	16	33.3	K0	J	12B	5385	A -19 3486
72		6.0T	22 36.752	-0.0047	08	-11 19 59.29	-0.029	07	0.46	37.021	17	92.2	57.49	15	88.7	A0		GC	16931	-10 3467
73		9.4A	22 38.786	-0.0015	21	-17 27 39.11	-0.003	15	0.35	38.812	18	33.3	39.05	16	33.3	F8	J	12A	4772	A -16 3456
74		8.7A	22 51.824	-0.0064	15	-13 3 36.53	-0.011	17	0.31	51.932	18	33.3	36.34	16	33.3	G5	J	11	4519	A -12 3634
75		8.0A	22 52.774	-0.0064	17	-19 4 54.03	-0.019	13	0.30	52.881	18	33.3	53.71	16	33.3	G5	J	12B	5389	A -18 3388
76		9.0A	22 53.824	0.0015	21	-14 30 43.42	-0.044	15	0.35	53.800	18	33.3	42.70	16	33.3	A0	J	12A	4773	A -13 3533
77		8.9A	23 1.949	-0.0058	21	-17 53 13.94	-0.027	15	0.35	2.045	18	33.3	13.48	16	33.3	K0	J	12A	4774	A -17 3619
78		9.0A	23 4.563	-0.0008	21	-17 39 50.75	-0.008	15	0.35	4.576	18	33.3	50.61	16	33.3	F2	J	12A	4775	A -17 3620
79		8.8A	23 18.868	-0.0129	21	-16 58 14.21	-0.090	15	0.35	19.082	18	33.3	12.70	16	33.3	G5	J	12A	4776	A -16 3459
80		9.3A	23 21.430	-0.0026	21	-16 50 18.43	-0.021	15	0.35	21.473	18	33.3	18.07	16	33.3	K5	J	12A	4777	A -16 3460
81		8.6A	23 23.298	0.0023	15	-11 36 46.92	-0.011	17	0.31	23.260	18	33.3	46.73	16	33.3	K0	J	11	4521	A -11 3299
82		8.4A	23 23.306	0.0005	21	-17 39 8.67	0.012	15	0.35	23.297	18	33.3	8.87	16	33.3	K5	J	12A	4778	A -17 3621
83		7.1T	23 24.355	-0.0085	13	-14 40 14.95	-0.036	11	0.64	24.754	22	03.2	13.12	21	98.6	F5		GC	16949K	B*-14 3510
84		9.3A	23 31.630	0.0001	12	-10 32 35.20	-0.012	11	0.24	31.628	16	33.4	34.99	16	33.4	G0		16	4561	A -10 3469
85		9.2A	23 47.217	-0.0030	15	-11 6 7.69	0.016	17	0.31	47.268	18	33.3	7.95	16	33.3	F8	J	11	4524	A -10 3471
86		8.0A	23 55.074	-0.0032	15	-19 2 20.80	-0.024	11	0.27	55.128	18	33.3	20.40	16	33.3	F2	J	12B	5391	A -18 3393
87		8.2A	23 56.387	-0.0019	15	-13 31 5.25	0.001	17	0.31	56.419	18	33.3	5.26	16	33.3	F2	J	11	4525	A -12 3637
88		8.6A	23 58.792	-0.0018	21	-14 42 36.87	-0.016	15	0.35	58.822	18	33.3	36.61	16	33.3	K0	J	12A	4780	A -14 3515
89		9.2A	24 2.807	-0.0014	15	-13 15 2.20	0.007	17	0.31	2.831	18	33.3	2.31	16	33.3	K0	J	11	4526	A -12 3638
90		9.4A	24 18.305	-0.0025	12	-10 4 32.61	-0.000	12	0.25	18.346	16	33.4	32.60	16	33.4	G5		16	4567	A -9 3497
91		9.3A	24 20.265	-0.0016	18	-16 50 46.67	-0.013	13	0.31	20.291	18	33.3	46.44	16	33.3	K7	J	12A	4781	A -16 3465
92		9.0A	24 32.455	0.0058	15	-19 42 16.95	-0.060	11	0.27	32.359	18	33.3	15.94	16	33.3	G0	J	12B	5393	A -19 3492
93		8.6A	24 34.141	0.0071	18	-19 41 21.81	-0.079	13	0.32	34.022	18	33.3	20.49	16	33.3	F5	J	12B	5395	A -19 3493
94		8.1A	24 38.393	-0.0033	21	-18 8 7.19	0.013	15	0.35	38.447	18	33.3	7.40	16	33.3	K0	J	12A	4782	A -17 3626
95		9.0A	24 56.382	0.0027	21	-14 34 24.24	0.001	15	0.35	56.337	18	33.3	24.27	16	33.3	K0	J	12A	4783	A -14 3518
96		8.8A	25 2.590	-0.0041	15	-11 26 1.70	0.015	17	0.31	2.659	18	33.3	1.94	16	33.3	G5	J	11	4528	A -10 3474
97		8.2A	25 10.331	0.0003	21	-17 57 31.34	-0.027	15	0.35	10.326	18	33.3	30.88	16	33.3	A3	J	12A	4785	A -17 3628
98		9.2A	25 11.346	-0.0047	15	-12 43 39.73	-0.001	17	0.31	11.424	18	33.3	39.71	16	33.3	G0	J	11	4529	A -12 3640
99		6.5T	25 13.405	-0.0015	05	-16 21 19.72	-0.002	04	0.25	13.472	12	04.9	19.60	10	00.5	G5		GC	16986	B*-15 3471
00		8.2A	25 13.814	-0.0054	21	-17 12 9.71	-0.021	15	0.35	13.903	18	33.3	9.35	16	33.3	K2	J	12A	4787	A -16 3466

157300

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	EPOCH 1950 μ s	EPOCH 1950 σ_μ ″.001	EPOCH 1950 δ_{1950} ° ′ ″	EPOCH 1950 μ' ″	EPOCH 1950 σ'_μ ″.001	EPOCH 1950 σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.		SOURCE CAT.	SOURCE STAR NUMBER	-10° 12H DM NUMBER
1		8.6A	12 25 14.855	-0.0017	15	-13 18 56.35	0.028	15	0.30	14.883	18	33.3	56.81	16	33.3	K0	J	11	4530	A -12 3641
2		8.0A	25 20.593	-0.0038	21	-18 20 0.01	-0.011	15	0.35	20.657	18	33.3	59.82	16	33.3	K0	J	12A	4788	A -17 3629
3		7.0T	25 26.027	-0.0017	15	-14 10 25.26	-0.010	13	0.75	26.112	18	99.5	24.73	17	97.9	K2		GC	16992	-13 3540
4		8.7A	25 29.031	-0.0204	21	-15 22 25.48	-0.128	15	0.35	29.371	18	33.3	23.35	16	33.3	G5	J	12A	4789	A -14 3521
5		9.0A	25 30.558	-0.0048	21	-17 8 16.69	-0.077	15	0.35	30.638	18	33.3	15.40	16	33.3	G0	J	12A	4790	A -16 3467
6		9.1A	25 36.448	-0.0033	15	-12 17 9.03	0.016	15	0.30	36.504	18	33.3	9.29	16	33.3	G5	J	11	4532	A -11 3307
7		9.3A	25 39.266	-0.0021	17	-19 49 29.25	-0.000	13	0.30	39.301	18	33.3	29.24	16	33.3	K2	J	12B	5400	A -19 3496
8		8.8A	25 39.924	-0.0020	15	-18 46 15.22	-0.022	11	0.27	39.972	18	33.3	14.85	16	33.3	K5	J	12B	5401	A -18 3397
9		9.5A	25 41.299	-0.0012	17	-19 18 3.71	0.006	13	0.30	41.320	18	33.3	3.81	16	33.3	F8	J	12B	5402	A -18 3398
10		8.7A	25 53.459	-0.0016	21	-17 1 28.88	-0.077	15	0.35	53.485	18	33.3	27.59	16	33.3	K2	J	12A	4791	A -16 3471
11		9.0A	25 54.600	0.0122	21	-18 1 6.78	-0.202	15	0.35	54.397	18	33.3	3.40	16	33.3	K5	J	12A	4792	A -17 3632
12		9.0A	25 57.999	-0.0124	21	-15 29 27.66	-0.055	15	0.35	58.205	18	33.3	26.75	16	33.3	K2	J	12A	4793	A -14 3524
13		8.0A	26 1.404	-0.0019	15	-10 44 43.86	0.008	17	0.31	1.436	18	33.3	43.98	16	33.3	F2	J	11	4533	A -10 3478
14		9.0A	26 2.136	-0.0073	15	-11 45 20.15	0.005	17	0.31	2.258	18	33.3	20.23	16	33.3	F8	J	11	4534	A -11 3308
15		7.8A	26 2.728	0.0003	17	-15 43 44.98	-0.026	12	0.30	2.724	18	33.3	44.55	16	33.3	K5	J	12A	4794	A -15 3475
16		9.4A	26 15.126	-0.0015	21	-17 18 43.93	-0.014	15	0.35	15.151	18	33.3	43.69	16	33.3	K0	J	12A	4795	A -16 3472
17		9.1A	26 17.861	-0.0056	21	-16 58 18.77	-0.029	15	0.35	17.953	18	33.3	18.28	16	33.3	F8	J	12A	4796	A -16 3473
18		8.2A	26 28.390	-0.0093	21	-16 6 57.10	0.010	15	0.35	28.546	18	33.3	57.26	16	33.3	K0	J	12A	4797	A -15 3476
19		8.5A	26 29.591	0.0001	15	-13 1 26.53	-0.011	17	0.31	29.589	18	33.3	26.34	16	33.3	K0	J	11	4535	A -12 3644
20		9.3A	26 55.236	-0.0010	11	-10 21 51.51	-0.001	11	0.24	55.252	16	33.4	51.48	16	33.4	F5		16	4577	A -9 3504
21		9.2A	27 10.500	-0.0037	21	-16 52 49.38	-0.024	15	0.35	10.561	18	33.3	48.97	16	33.3	F2	J	12A	4798	A -16 3475
22		9.2R	27 15.389	-0.0147	07	-16 14 34.73	-0.148	07	0.45	16.234	15	92.4	25.63	14	88.3			GC	17027K	-15 3481
23		3.1H	27 16.380	-0.0148	01	-16 14 14.14	-0.143	01	0.04	16.984	02	09.3	8.42	02	10.1	A0		F4	465	-15 3482
24		8.7A	27 23.180	-0.0072	13	-11 47 19.69	0.001	15	0.29	23.299	18	33.3	19.70	16	33.3	G5	J	11	4537	A -11 3311
25		9.2A	27 27.793	0.0013	17	-19 41 17.14	0.010	13	0.30	27.771	18	33.3	17.30	16	33.3	F5	J	12B	5409	A -19 3500
26		6.4T	27 29.906	-0.0173	05	-13 6 58.91	-0.047	05	0.33	30.860	14	94.8	56.17	12	92.2	G0		GC	17036K	B*-12 3647
27		8.9A	27 35.063	-0.0051	21	-17 39 55.37	-0.010	15	0.35	35.147	18	33.3	55.21	16	33.3	F2	J	12A	4801	A -17 3636
28		9.3A	27 44.341	-0.0017	17	-18 27 48.80	0.016	13	0.30	44.369	18	33.3	49.06	16	33.3	A	J	12B	5410	A -17 3638
29		9.1A	27 46.061	-0.0056	15	-18 46 1.98	-0.001	11	0.27	46.155	18	33.3	1.96	16	33.3	G	J	12B	5411	A -18 3403
30		8.8A	27 48.738	-0.0033	18	-15 2 41.50	0.023	13	0.32	48.793	18	33.3	41.89	16	33.3	K2	J	12A	4803	A -14 3529
31		8.7A	28 6.752	-0.0018	21	-16 40 49.42	0.006	15	0.35	6.782	18	33.3	49.51	16	33.3	K5	J	12A	4804	A -16 3477
32		8.8A	28 24.588	-0.0036	21	-16 12 12.18	0.007	15	0.35	24.648	18	33.3	12.29	16	33.3	K0	J	12A	4805	A -15 3485
33		7.3A	28 32.965	-0.0012	18	-19 19 4.97	-0.020	13	0.32	32.986	18	33.3	4.64	16	33.3	K0	J	12B	5417	A -18 3406
34		9.0A	28 35.707	-0.0044	11	-18 43 14.17	0.024	09	0.24	35.780	18	33.3	14.57	16	33.3	F5	J	12B	5418	A -18 3407
35		8.9A	28 35.828	0.0056	21	-17 26 23.82	-0.032	15	0.35	35.734	18	33.3	23.28	16	33.3	F8	J	12A	4806	A -16 3480
36		8.7A	28 48.342	-0.0020	15	-12 12 20.39	0.013	17	0.31	48.376	18	33.3	20.60	16	33.3	K5	J	11	4540	A -11 3314
37		8.7A	28 54.266	-0.0024	17	-13 17 18.56	0.015	18	0.34	54.306	18	33.3	18.80	16	33.3	F8	J	11	4541	A -12 3652
38		8.7A	29 0.910	-0.0037	15	-10 48 1.34	-0.005	17	0.31	0.971	18	33.3	1.25	16	33.3	A	J	11	4542	A -10 3486
39		7.5T	29 1.182	-0.0035	10	-10 47 46.85	-0.010	06	0.50	1.362	22	97.9	46.20	19	87.5	A5		GC	17068K	B*-10 3487
40		9.3A	29 12.100	-0.0041	15	-12 16 7.89	-0.025	17	0.31	12.168	18	33.3	7.47	16	33.3	K2	J	11	4544	A -11 3315
41		7.5T	29 12.835	0.0038	09	-15 26 19.87	-0.047	08	0.51	12.631	19	96.9	17.35	18	95.9	F2		GC	17078	-14 3530
42		9.0A	29 16.076	-0.0019	21	-14 26 39.38	-0.044	15	0.35	16.107	18	33.3	38.65	16	33.3	F5	J	12A	4808	A -13 3547
43		8.2A	29 16.985	0.0025	15	-12 24 11.99	-0.025	17	0.31	16.943	18	33.3	11.57	16	33.3	G0	J	11	4546	A -11 3317
44		8.6A	29 19.032	-0.0031	21	-17 10 35.45	-0.035	15	0.35	19.083	18	33.3	34.86	16	33.3	K2	J	12A	4809	A -16 3483
45		4.4T	29 29.361	-0.0298	02	-15 55 9.82	-0.066	02	0.15	30.912	06	97.9	6.34	07	97.7	F0		GC	17087	B*-15 3489
46		9.2A	29 33.667	-0.0011	21	-14 59 42.67	0.010	15	0.35	33.685	18	33.3	42.85	16	33.3	K2	J	12A	4811	A -14 3532
47		8.7A	29 49.780	-0.0011	15	-18 40 30.53	0.013	11	0.27	49.799	18	33.3	30.75	16	33.3	K0	J	12B	5422	A -18 3414
48		8.5A	29 55.229	-0.0015	15	-18 28 8.12	-0.070	11	0.27	55.254	18	33.3	6.95	16	33.3	K2	J	12B	5423	A -17 3644
49		8.8A	29 59.635	-0.0004	21	-18 4 25.23	-0.029	15	0.35	59.642	18	33.3	25.71	16	33.3	K2	J	12A	4814	A -17 3645
50		5.7T	30 0.531	-0.0102	06	-13 34 57.70	-0.057	06	0.28	0.977	10	06.3	54.41	12	04.3	F0		GC	17095	B*-13 3552
51		8.5A	12 30 5.006	-0.0094	21	-16 56 42.11	0.018	15	0.35	5.162	18	33.3	42.41	16	33.3	G5	J	12A	4815	A -16 3488
52		8.7A	30 9.036	0.0005	15	-12 30 30.13	-0.042	17	0.31	9.027	18	33.3	29.43	16	33.3	K2	J	11	4548	A -11 3320
53		8.7A	30 15.535	0.0015	13	-19 35 4.01	-0.033	11	0.26	15.510	18	33.3	3.46	16	33.3	A5	J	12B	5425	A -19 3511
54		8.9A	30 17.032	-0.0023	18	-18 12 36.71	-0.022	13	0.32	17.070	18	33.3	36.33	16	33.3	F2	J	12A	4816	A -17 3647
55		8.2A	30 17.633	-0.0006	21	-16 23 2.51	-0.040	15	0.35	17.643	18	33.3	1.85	16	33.3	K0	J	12A	4817	A -15 3497
56		9.1A	30 30.184	0.0026	18	-11 44 12.03	0.011	20	0.36	30.141	18	33.3	12.22	16	33.3	A0	J	11	4549	A -11 3322
57		8.3A	30 35.206	-0.0006	18	-10 51 29.60	-0.061	20	0.36	35.216	18	33.3	28.59	16	33.3	F5	J	11	4550	A -10 3493
58		9.0A	30 44.655	-0.0020	15	-12 21 54.66	-0.029	20	0.34	44.688	18	33.3	54.18	16	33.3	F8	J	11	4551	A -11 3324
59		6.1T	30 45.345	-0.0011	16	-19 30 58.55	-0.007	14	0.76	45.395	21	02.6	58.22	19	00.5	A5		GC	17108	-18 3416
60		8.9A	30 57.422	0.0015	17	-12 23 39.13	-0.054	18	0.34	57.397	18	33.3	38.23	16	33.3	F5	J	11	4552	A -11 3325
61		5.8H	30 58.434	-0.0015	02	-12 33 18.94	0.049	02	0.08	58.473	04	24.5	20.29	04	22.6	G5		F4	1321	-12 3659
62		8.2A	31 0.416	-0.0145	18	-11 20 50.12	0.090	20	0.36	0.658	18	33.3	51.63	16	33.3	G5	J	11	4554	A -10 3494
63		8.5A	31 1.215	0.0058	17	-17 31 4.56	-0.060	15	0.31	1.119	18	33.3	3.56	16	33.3	F8	J	12A	4818	A -16 3492
64		8.8A	31 10.319	0.0005	21	-17 26 46.26	-0.025	15	0.35	10.311	18	33.3	45.85	16	33.3	G5	J	12A	4819	A -16 3493
65		9.3A	31 15.533	-0.0032	21	-16 42 46.82	-0.022	15	0.35	15.587	18	33.3	46.45	16	33.3	F8	J	12A	4820	A -16 3495
66		7.8A	31 18.574	-0.0039	21	-16 48 9.81	-0.020	15	0.35	18.638	18	33.3	9.48	16	33.3	K0	J	12A	4821	A -16 3496
67		8.9A	31 25.227	-0.0364	21	-14 21 45.83	-0.041	15	0.35	25.835	18	33.3	45.15	16	33.3	K2	J	12A	4822	A -13 3557
68		8.7A	31 27.474	-0.0020	17	-12 38 4.48	0.007	18	0.34	27.507	18	33.3	4.60	16	33.3	F8	J	11	4556	A -12 3662
69		7.2T	31 32.547	0.0045	16	-17 55 7.48	-0.053	22	0.81	32.367	22	09.5	5.38	22	09.9	G0		GC	17131K	B*-17 3651
70		8.7A	31 36.013	-0.0008	18	-11 10 41.21	-0.043	20	0.36	36.027	18	33.3	40.50	16	33.3	F8	J	11	4557	A -10 3496
71		8.8A	31 43.447	-0.0019	12	-10 36 27.79	0.013	12	0.25	43.478	16	33.4	28.01	16	33.4	G5		16	4593	A -10 3497
72		8.0A	32 0.579	-0.0064	21	-16 4 44.73	-0.013	15	0.35	0.686	18	33.3	44.52	16	33.3	F0	J	12A	4824	A -15 3498
73		8.9A	32 11.870	-0.0010	18	-11 30 13.52	-0.014	20	0.36	11.887	18	33.3	13.29	16	33.3	K0	J	11	4560	A -10 3500
74		9.1A	32 16.384	0.0015	21	-16 31 27.21	-0.071	15	0.35	16.359	18	33.3	26.03	16	33.3	F5	J	12A	4825	A -15 3500
75		9.4A	32 17.727	-0.0018	21	-17 53 12.90	-0.006	15	0.35	17.758	18	33.3	12.80	16	33.3	K5	J	12A	4826	A -17 3655
76		8.7A	32 36.623	-0.0088	18	-11 7 16.28	-0.010	20	0.36	36.770	18	33.3	16.12	16	33.3	F5	J	11	4561	A -10 3504
77		9.2A	32 45.827	0.0030	11	-10 20 14.69	-0.023	11	0.24	45.777	16	33.4	14.31	16	33.4	G0		16	4598	A -9 3519
78		9.3A	32 55.627	-0.0089	21	-15 47 29.09	-0.036	15	0.35	55.775	18	33.3	28.49	16	33.3	G5	J	12A	4827	A -15 3501
79		6.8T	32 57.247	0.0007	09	-11 44 43.97	-0.028	07	0.46	57.208	17	96.6	42.44	15	95.3	G5		GC	17157	-11 3328
80		9.0A	33 1.959	-0.0004	21	-16 16 10.24	-0.028	15	0.35	1.965	18	33.3	9.77	16	33.3	K0	J	12A	4828	A -15 3502
81		8.0A	33 2.718	-0.0037	21	-16 52 28.76	-0.052	15	0.35	2.780	18	33.3	27.89	16	33.3	F2	J	12A	4829	A -16 3498
82		6.6T	33 6.274	-0.0061	16	-16 33 3.62	0.010	13	0.68	6.537	18	06.6	4.08	17	04.7	F2		GC	17159K	A -16 3499
83		8.5A	33 8.037	-0.0097	18	-11 44 33.28	-0.010	20	0.36	8.198	18	33.3	33.12	16	33.3			11	4563	A -11 3331
84		8.7Q	33 8.312	-0.0094	07	-11 44 59.47	0.020	05	0.36	8.751	17	03.1	+ 0.57	15	95.3	G0		GC	17160	-11 3330
85		6.6T	33 16.903	-0.0019	09	-11 47 40.01	0.004	08	0.50	17.006	18	94.8	40.24	17	92.5	F0		GC	17162	-11 3333
86		9.6Q	33 18.978	-0.0022	10	-19 17 13.52	0.006	09	0.48	19.076	18	04.3	13.82	18	99.3	K5		GC	17163	-18 3424
87		8.9A	33 26.893	0.0007	17	-11 59 23.32	0.007	18	0.34	26.882	18	33.3	23.44	16	33.3	K0	J	11	4566	A -11 3334
88		8.8A	33 32.888	0.0005	12	-10 6 33.95	-0.002	12	0.25	32.879	16	33.4	33.92	16	33.4	A2		16	4603	A -9 3520
89		9.0A	33 35.828	-0.0025	18	-17 0 4.62	-0.011	13	0.32	35.869	18	33.3	4.44	16	33.3	K2	J	12A	4831	A -16 3500
90		8.6A	33 39.056	-0.0027	17	-18 36 49.64	0.044	13	0.30	39.102	18	33.3	50.37	16	33.3	K5	J	12B	5450	A -18 3427
91		9.3A	33 44.530	0.0007	18	-17 7 28.73	-0.021	13	0.32	44.518	18	33.3	28.38	16	33.3	K0	J	12A	4833	A -16 3501
92		8.8A	33 47.349	-0.0001	21	-15 8 22.40	0.022	15	0.35	47.350	18	33.3	22.77	16	33.3	K0	J	12A	4834	A -14 3541
93		8.7A	33 48.854	-0.0022	15	-12 16 21.44	-0.017	17	0.31	48.891	18	33.3	21.16	16	33.3	K2	J	11	4567	A -11 3335
94		9.6A	33 49.342	-0.0035	18	-18 15 6.57	-0.050	13	0.32	49.401	18	33.3	5.74	16	33.3	G0	J	12A	4835	A -17 3660
95		8.7Q	33 56.729	-0.0012	10	-16 6 37.09	-0.015	09	0.47	56.782	18	03.6	36.37	18	01.4	F2		GC	17176	-15 3504
96		8.7A	34 6.462	-0.0012	15	-18 43 36.44	-0.014	11	0.27	6.481	18	33.3	36.20	16	33.3	K5	J	12B	5453	A -18 3428
97		8.1A	34 14.384	-0.0040	18	-15 17 50.45	0.054	13	0.32	14.450	18	33.3	51.36	16	33.3	K2	J	12A	4837	A -14 3543
98		8.8A	34 18.443	-0.0029	18	-15 26 48.99	-0.007	13	0.31	18.490	18	33.4	48.88	16	33.4	K5	J	12A	4839	A -14 3544
99		8.6A	34 18.523	-0.0017	21	-16 28 50.24	-0.015	15	0.35	18.551	18	33.3	49.99	16	33.3	K0	J	12A	4838	A -15 3506
00		8.6A	34 35.075	0.0029	17	-19 48 13.39	-0.005	13	0.30	35.027	18	33.3	13.31	16	33.3	K0	J	12B	5456	A -19 3528

157400

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	σ_μ ″.001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	-10° 12H DM NUMBER
1		9.2A	12 34 58.847	-0.0018	21	-16 59 21.25	-0.036	15	0.35	58.876	18	33.4	20.65	16	33.4	F5 J	12A	4840	A -16 3503
2		8.6A	35 3.324	-0.0033	15	-19 18 10.62	0.016	11	0.27	3.378	18	33.3	10.88	16	33.3	F0 J	12B	5457	A -18 3431
3		8.4A	35 4.270	-0.0060	21	-14 34 45.50	-0.047	15	0.35	4.371	18	33.4	44.72	16	33.4	K2 J	12A	4841	A -14 3548
4		8.9A	35 8.671	0.0040	15	-19 51 49.46	-0.038	12	0.28	8.606	18	33.3	48.83	16	33.3	K0 J	12B	5458	A -19 3529
5		9.0A	35 33.932	0.0015	18	-15 17 0.39	-0.011	13	0.31	33.906	18	33.4	0.21	16	33.4	K2 J	12A	4842	A -14 3549
6		8.9A	35 36.496	-0.0022	15	-11 4 35.30	-0.053	17	0.31	36.532	18	33.3	34.42	16	33.3	G0 J	11	4570	A -10 3510
7		8.7A	35 37.156	-0.0041	15	-18 24 27.03	-0.021	11	0.27	37.224	18	33.3	26.69	16	33.3	K2 J	12B	5461	A -17 3665
8		7.3A	35 41.216	-0.0050	15	-12 6 39.86	0.022	17	0.31	41.299	18	33.3	40.23	16	33.3	G5 J	11	4572	A -11 3338
9		8.4A	35 41.350	-0.0023	15	-13 47 5.87	-0.019	17	0.31	41.388	18	33.3	5.56	16	33.3	F2 J	11	4571	A -13 3569
10		9.1A	35 42.521	-0.0063	15	-11 14 50.69	-0.131	17	0.31	42.626	18	33.3	48.51	16	33.3	G5 J	11	4573	A -10 3511
11		8.1Q	35 44.118	-0.0023	09	-11 14 32.57	0.007	06	0.37	44.220	09	04.7	32.91	10	01.7	K0	GC	17207	-10 3512
12		8.3A	35 51.788	-0.0017	17	-11 15 12.92	0.014	18	0.34	51.816	18	33.3	13.16	16	33.3	G5 J	11	4575	A -10 3513
13		8.4A	35 57.660	-0.0034	15	-11 15 47.15	-0.013	17	0.31	57.717	18	33.3	46.94	16	33.3	A2 J	11	4576	A -10 3515
14		8.7A	36 1.531	0.0004	21	-18 15 42.16	-0.029	15	0.35	1.525	18	33.4	41.68	16	33.4	F8 J	12A	4845	A -17 3667
15		6.1T	36 7.727	-0.0083	08	-17 58 33.05	0.012	08	0.33	8.068	09	08.7	33.55	09	09.9	F0	GC	17216	-17 3668
16		9.3A	36 16.108	0.0017	21	-17 21 42.53	-0.013	15	0.35	16.080	18	33.4	42.32	16	33.4	K5 J	12A	4847	A -16 3509
17		9.0A	36 20.295	-0.0020	21	-17 53 1.73	-0.080	15	0.35	20.329	18	33.4	0.40	16	33.4	K2 J	12A	4848	A -17 3669
18		9.5A	36 23.353	0.0007	21	-18 20 4.52	0.008	15	0.35	23.342	18	33.4	4.67	16	33.4	F5 J	12A	4849	A -17 3670
19		8.4A	36 30.456	0.0001	18	-19 26 1.58	-0.058	13	0.31	30.455	18	33.3	0.61	16	33.3	K5 J	12B	5467	A -18 3434
20		8.9A	36 39.718	-0.0079	21	-17 46 29.41	-0.056	15	0.35	39.849	18	33.4	28.47	16	33.4	G5 J	12A	4850	A -17 3672
21		9.4A	36 44.268	-0.0095	21	-15 52 31.97	0.012	15	0.35	44.426	18	33.4	32.17	16	33.4	G0 J	12A	4851	A -15 3511
22		8.3A	36 50.959	-0.0019	15	-18 57 51.87	-0.003	11	0.27	50.982	18	33.3	51.82	16	33.3	K0 J	12B	5469	A -18 3435
23		9.0A	36 52.794	-0.0062	17	-10 53 38.58	0.001	18	0.34	52.898	18	33.3	38.60	16	33.3	G0 J	11	4577	A -10 3522
24		9.2A	36 55.044	-0.0027	22	-16 50 39.90	0.014	13	0.35	55.088	18	33.4	40.14	16	33.4	K0 J	12A	4852	A -16 3512
25		9.0A	36 57.347	-0.0034	15	-19 13 34.12	-0.012	11	0.27	57.404	18	33.3	33.91	16	33.3	K2 J	12B	5470	A -18 3436
26		9.4A	37 4.315	0.0059	12	-10 33 8.48	-0.032	12	0.25	4.217	16	33.4	7.95	16	33.4	G0	16	4612	A -10 3523
27		8.6A	37 17.431	0.0034	21	-17 54 35.96	-0.045	15	0.35	17.375	18	33.4	35.22	16	33.4	K0 J	12A	4853	A -17 3679
28		8.9A	37 21.205	-0.0125	17	-12 36 32.83	0.065	18	0.34	21.413	18	33.3	33.91	16	33.3	G5 J	11	4579	A -12 3671
29		8.8A	37 22.916	-0.0036	21	-17 24 35.13	-0.008	15	0.35	22.976	18	33.4	35.00	16	33.4	G5 J	12A	4854	A -16 3513
30		8.7A	37 28.603	-0.0046	21	-18 15 30.10	0.010	15	0.35	28.679	18	33.4	30.26	16	33.4	A5 J	12A	4855	A -17 3680
31		9.0A	37 33.399	0.0020	21	-17 26 27.81	-0.013	15	0.35	33.366	18	33.4	27.60	16	33.4	G5 J	12A	4856	A -16 3514
32		8.9A	37 35.316	-0.0014	17	-12 23 35.61	0.020	18	0.34	35.339	18	33.3	35.95	16	33.3	K0 J	11	4580	A -11 3341
33		8.8A	37 35.771	-0.0133	18	-11 33 25.54	0.127	20	0.36	35.993	18	33.3	27.66	16	33.3	G0 J	11	4581	A -11 3342
34		8.9A	37 37.399	0.0028	15	-18 31 32.40	0.002	11	0.27	37.294	18	33.3	32.43	16	33.3	F8 J	12B	5475	A -18 3437
35		9.2A	37 39.951	-0.0031	18	-11 26 43.80	-0.010	20	0.36	40.003	18	33.3	43.64	16	33.3	K2 J	11	4582	A -10 3527
36		9.5A	37 43.544	-0.0021	17	-13 44 50.02	0.003	18	0.34	43.578	18	33.3	50.07	16	33.3	G0 J	11	4583	A -13 3575
37		9.3A	37 44.468	-0.0055	15	-12 9 36.86	0.025	17	0.31	44.559	18	33.3	37.28	16	33.3	G	11	4584	A -11 3343
38		9.1A	37 47.716	-0.0079	15	-18 51 31.81	-0.025	11	0.27	47.847	18	33.3	31.39	16	33.3	G0 J	12B	5477	A -18 3438
39		9.0A	37 55.059	-0.0027	22	-16 47 29.84	-0.008	13	0.35	55.104	18	33.4	29.71	16	33.4	K7 J	12A	4858	A -16 3517
40		7.1T	37 59.573	-0.0009	12	-13 49 31.04	0.002	12	0.56	59.612	18	06.9	31.14	19	04.8	K0	GC	17245	-13 3577
41		8.8A	38 0.159	-0.0034	21	-17 44 34.71	-0.039	15	0.35	0.215	18	33.4	34.08	16	33.4	K0 J	12A	4859	A -17 3682
42		8.6A	38 5.668	-0.0069	17	-19 27 12.47	-0.020	13	0.30	5.784	18	33.3	12.13	16	33.3	F2 J	12B	5479	A -18 3439
43		8.5A	38 6.054	-0.0003	21	-15 52 20.17	-0.006	15	0.35	6.059	18	33.4	20.07	16	33.4	K5 J	12A	4860	A -15 3513
44		9.1A	38 12.706	-0.0025	18	-13 6 10.35	0.034	20	0.36	12.747	18	33.3	10.92	16	33.3	F0 J	11	4586	A -12 3673
45		8.6A	38 29.800	-0.0049	15	-11 18 36.71	-0.024	17	0.31	29.882	18	33.3	36.31	16	33.3	A5 J	11	4587	A -10 3533
46		9.3A	38 32.941	0.0002	17	-18 23 11.84	-0.056	13	0.30	32.937	18	33.3	10.90	16	33.3	G0 J	12B	5481	A -17 3683
47		6.1T	38 39.928	-0.0080	06	-12 44 22.60	0.013	04	0.33	40.370	14	94.6	23.42	12	87.4	F5	GC	17259K	B#-12 3676
48		6.0T	38 40.251	-0.0090	07	-12 44 26.80	0.002	04	0.35	40.710	14	98.8	26.92	12	90.6	F5	GC	17260K	B#-12 3676
49		9.0A	38 49.239	-0.0049	17	-15 10 51.65	-0.010	11	0.29	49.320	18	33.4	51.49	16	33.4	F5 J	12A	4862	A -14 3555
50		8.3A	39 9.642	-0.0028	17	-11 19 2.75	0.031	18	0.34	9.689	18	33.3	3.27	16	33.3	G0 J	11	4590	A -10 3534
51		6.0T	12 39 11.959	-0.0152	12	-19 29 5.82	0.022	11	0.59	12.686	19	02.0	6.91	18	00.4	F2	GC	17273	-18 3442
52		8.7A	39 35.263	-0.0006	13	-10 54 38.51	-0.030	13	0.28	35.273	18	33.3	38.01	16	33.3	K0 J	11	4591	A -10 3535
53		9.2A	39 37.912	0.0013	15	-18 33 45.01	-0.000	11	0.27	37.891	18	33.3	45.01	16	33.3	K2 J	12B	5492	A -18 3445
54		7.9T	39 40.706	0.0062	24	-14 48 31.09	-0.044	21	0.98	40.448	22	08.3	29.18	22	06.7	K0	GC	17281	-14 3557
55		8.0A	39 47.651	-0.0019	21	-14 57 49.89	-0.018	15	0.35	47.683	18	33.4	49.59	16	33.4	K2 J	12A	4865	A -14 3559
56		9.0A	39 49.611	-0.0051	15	-12 45 20.08	0.009	17	0.31	49.695	18	33.3	20.23	16	33.3	F8 J	11	4592	A -12 3678
57		8.9A	39 50.950	-0.0078	15	-13 15 4.95	0.048	17	0.31	51.079	18	33.3	5.75	16	33.3	G5 J	11	4593	A -12 3679
58		9.1A	40 1.513	-0.0144	15	-19 13 17.25	-0.107	11	0.27	1.753	18	33.3	19.03	16	33.3	G0 J	12B	5493	A -18 3447
59		8.9A	40 6.761	-0.0024	17	-18 35 43.36	-0.013	13	0.30	6.802	18	33.3	43.14	16	33.3	G0 J	12B	5494	A -18 3448
60		8.8A	40 9.277	0.0030	21	-17 18 41.94	-0.126	15	0.35	9.228	18	33.4	39.85	16	33.4	G5 J	12A	4867	A -16 3522
61		8.7A	40 12.254	0.0011	21	-15 11 24.99	0.002	15	0.35	12.236	18	33.4	25.03	16	33.4	A2 J	12A	4868	A -14 3561
62		7.7A	40 18.962	0.0006	15	-13 21 26.12	-0.023	17	0.31	18.952	18	33.3	25.74	16	33.3	K0 J	11	4594	A -12 3681
63		9.1A	40 33.893	-0.0086	15	-11 44 28.87	-0.012	17	0.31	34.036	18	33.3	29.06	16	33.3	G5 J	11	4595	A -11 3350
64		8.6A	40 37.089	-0.0006	15	-12 47 6.49	-0.033	17	0.31	37.099	18	33.3	5.94	16	33.3	K2 J	11	4596	A -12 3683
65		9.0A	40 38.977	-0.0011	18	-14 34 38.65	-0.020	13	0.31	38.995	18	33.4	38.32	16	33.4	K5 J	12A	4869	A -14 3563
66		8.7A	40 40.073	-0.0032	18	-17 59 31.14	-0.027	13	0.31	40.127	18	33.4	30.70	16	33.4	A0 J	12A	4870	A -17 3691
67		9.1A	40 42.098	0.0004	21	-16 14 22.71	-0.022	15	0.35	42.092	18	33.4	22.35	16	33.4	G5 J	12A	4871	A -15 3518
68		8.6A	40 42.282	0.0033	15	-18 53 22.98	-0.028	11	0.27	42.226	18	33.3	22.51	16	33.3	G0 J	12B	5497	A -18 3451
69		8.6A	40 53.799	-0.0008	15	-18 35 45.57	-0.019	11	0.27	53.812	18	33.3	45.68	16	33.3	K0 J	12B	5499	A -18 3452
70		7.0T	40 56.329	-0.0034	10	-13 35 7.87	-0.026	10	0.53	56.497	17	00.6	6.53	17	97.8	A0	GC	17306	-13 3586
71		8.6A	41 0.781	-0.0042	15	-12 19 7.41	0.010	17	0.31	0.852	18	33.3	7.58	16	33.3	K0 J	11	4599	A -11 3351
72		9.4A	41 1.070	0.0007	21	-16 28 31.62	-0.006	15	0.35	1.058	18	33.4	31.52	16	33.4	F5 J	12A	4873	A -15 3521
73		6.8T	41 11.249	0.0032	15	-11 44 24.11	-0.005	13	0.66	11.105	18	05.5	23.89	18	04.5	K0	GC	17310K	-11 3353
74		7.9A	41 14.963	-0.0043	21	-18 0 40.43	-0.002	15	0.35	15.034	18	33.4	40.39	16	33.4	K0 J	12A	4874	A -17 3694
75		9.1A	41 15.543	-0.0019	17	-11 46 34.46	-0.011	18	0.34	15.575	18	33.3	34.28	16	33.3	G0 J	11	4601	A -11 3354
76		7.0T	41 19.271	0.0027	16	-12 52 5.75	-0.018	15	0.77	19.144	21	03.0	4.89	21	01.8	A5	GC	17314	-12 3685
77		9.2A	41 20.461	-0.0045	17	-18 39 5.48	-0.013	13	0.30	20.536	18	33.3	5.26	16	33.3	G5 J	12B	5502	A -18 3453
78		8.5A	41 21.922	0.0019	15	-18 47 43.51	-0.017	11	0.27	21.891	18	33.3	43.22	16	33.3	K0 J	12B	5504	A -18 3454
79		8.4A	41 44.502	0.0005	15	-13 25 51.86	-0.067	17	0.31	44.494	18	33.3	50.75	16	33.3	G5 J	11	4603	A -12 3687
80		8.8A	41 48.154	-0.0020	13	-11 2 44.07	-0.023	15	0.29	48.188	18	33.3	43.69	16	33.3	K2 J	11	4604	A -10 3544
81		8.1A	41 51.318	-0.0075	21	-18 13 38.36	-0.068	15	0.35	51.442	18	33.4	37.23	16	33.4	F8 J	12A	4876	A -17 3696
82		8.9A	41 52.749	-0.0031	17	-19 41 14.33	0.003	12	0.30	52.801	18	33.3	14.39	16	33.3	A3 J	12B	5507	A -19 3552
83		9.2A	41 54.332	-0.0022	21	-16 12 42.65	0.008	15	0.35	54.368	18	33.4	42.78	16	33.4	A5 J	12A	4877	A -15 3523
84		8.0A	42 5.076	-0.0020	21	-17 30 16.23	-0.048	15	0.35	5.110	18	33.4	15.44	16	33.4	K2 J	12A	4878	A -16 3527
85		8.4A	42 15.403	0.0015	17	-19 38 31.49	-0.034	13	0.30	15.378	18	33.3	30.93	16	33.3	K0 J	12B	5509	A -19 3558
86		9.4A	42 19.613	-0.0049	21	-18 9 42.29	-0.036	15	0.35	19.694	18	33.4	41.68	16	33.4	F8 J	12A	4879	A -17 3699
87		8.6A	42 24.822	-0.0032	21	-15 46 12.08	0.015	15	0.35	24.876	18	33.4	12.33	16	33.4	F0 J	12A	4880	A -15 3525
88		8.3A	42 28.109	-0.0007	15	-10 43 33.80	0.038	17	0.31	28.120	18	33.3	34.44	16	33.3	K2 J	11	4605	A -10 3546
89		8.9A	42 30.812	-0.0040	21	-14 37 24.70	-0.093	15	0.35	30.879	18	33.4	23.16	16	33.4	G5 J	12A	4881	A -14 3568
90		8.8A	42 35.046	-0.0031	15	-19 58 7.95	0.005	11	0.27	35.099	18	33.3	8.04	16	33.3	A0 J	12B	5510	A -19 3559
91		8.7A	42 53.495	-0.0021	21	-15 14 7.07	-0.010	15	0.35	53.530	18	33.4	6.91	16	33.4	G5 J	12A	4882	A -14 3570
92		7.5A	42 54.545	-0.0030	17	-19 52 20.24	-0.001	13	0.30	54.595	18	33.3	20.23	16	33.3	A0 J	12B	5512	A -19 3560
93		8.6A	43 10.639	0.0001	15	-11 56 51.60	0.010	15	0.30	10.637	18	33.3	51.77	16	33.3	K0 J	11	4607	A -11 3359
94		8.3A	43 20.212	-0.0043	15	-19 48 6.95	0.014	11	0.27	20.284	18	33.3	7.19	16	33.3	A5 J	12B	5515	A -19 3561
95		8.6A	43 23.351	0.0012	21	-15 15 45.64	-0.033	15	0.35	23.330	18	33.4	45.09	16	33.4	K0 J	12A	4883	A -14 3572
96		8.8A	43 36.771	-0.0044	15	-13 54 39.69	-0.022	17	0.31	36.844	18	33.3	39.32	16	33.3	A5 J	11	4608	A -13 3592
97		9.0A	43 38.108	-0.0011	21	-16 27 31.54	0.001	15	0.35	38.126	18	33.4	31.56	16	33.4	F8 J	12A	4884	A -15 3528
98		8.3A	43 45.230	-0.0086	21	-17 56 47.20	-0.019	15	0.35	45.373	18	33.4	46.89	16	33.4	K0 J	12A	4885	A -17 3704
99		8.9A	43 48.045	-0.0017	15	-13 7 23.19	0.011	17	0.31	48.073	18	33.3	23.38	16	33.3	K2 J	11	4609	A -12 3692
00		9.0A	43 49.845	-0.0006	21	-16 15 55.76	0.008	15	0.35	49.855	18	33.4	55.89	16	33.4	K0 J	12A	4886	A -15 3535

157500

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	EPOCH 1950 μ s	EPOCH 1950 σ_μ ″.001	EPOCH 1950 δ_{1950} ° ′ ″	EPOCH 1950 μ' ″	EPOCH 1950 $\sigma_{\mu'}$ ″.001	EPOCH 1950 σ_{1950} ″	ORIGINAL EPOCH α_2 s	ORIGINAL EPOCH σ ″.01	ORIGINAL EPOCH ep.	ORIGINAL EPOCH δ_2 ″	ORIGINAL EPOCH σ' ″.01	ORIGINAL EPOCH ep.	SP.		SOURCE CAT	SOURCE STAR NUMBER	-10° 12H DM NUMBER
1		8.0A	12 43 53.000	-0.0003	21	-15 10 3.10	-0.002	15	0.35	53.005	18	33.4	3.07	16	33.4	M1	J	12A	4887	A -14 3573
2		6.9T	43 55.287	-0.0194	10	-11 32 24.11	0.053	09	0.49	56.248	14	00.4	26.78	12	99.7	G5		GC	17358	-11 3361
3		9.0A	43 58.969	0.0002	21	-16 15 30.51	-0.016	15	0.35	58.966	18	33.4	30.24	16	33.4	F0	J	12A	4888	A -15 3531
4		8.6A	44 3.950	-0.0040	15	-18 44 45.49	-0.007	11	0.27	4.017	18	33.3	45.37	16	33.3	F8	J	12B	5520	A -18 3462
5		8.6A	44 18.045	0.0002	15	-19 39 45.42	0.011	12	0.28	18.042	18	33.3	45.61	16	33.3	K0	J	12B	5521	A -19 3567
6		8.7A	44 34.881	-0.0015	17	-19 23 3.33	0.004	13	0.30	34.906	18	33.3	3.39	16	33.3	F8	J	12B	5523	A -18 3464
7		8.5A	44 37.870	0.0005	17	-11 12 8.31	0.019	18	0.34	37.862	18	33.3	8.63	16	33.3	K2	J	11	4611	A -10 3549
8		7.6A	44 41.288	-0.0011	15	-12 0 21.69	-0.001	17	0.31	41.306	18	33.3	21.68	16	33.3	K2	J	11	4612	A -11 3365
9		7.2T	44 42.941	-0.0068	16	-18 43 52.51	0.005	13	0.68	43.231	19	07.6	52.74	19	03.8	G5		GC	17372	-18 3465
10		8.5A	44 55.363	-0.0029	17	-18 40 45.02	0.037	13	0.30	55.411	18	33.3	45.63	16	33.3	K0	J	12B	5526	A -18 3466
11		8.0A	45 6.546	-0.0021	15	-12 18 23.52	-0.068	17	0.31	6.581	18	33.3	22.39	16	33.3	F5	J	11	4613	A -11 3366
12		9.6A	45 9.143	-0.0107	18	-16 29 45.64	-0.055	13	0.31	9.321	18	33.4	44.73	16	33.4	F8	J	12A	4890	A -15 3534
13		9.2A	45 24.969	-0.0217	21	-17 48 55.58	-0.019	15	0.35	25.330	18	33.4	55.26	16	33.4	G5	J	12A	4891	A -17 3713
14		8.9A	45 26.691	-0.0054	21	-17 5 55.64	-0.106	15	0.35	26.781	18	33.4	53.88	16	33.4	K0	J	12A	4892	A -16 3534
15		8.5A	45 27.173	0.0010	17	-19 28 49.64	0.006	13	0.30	27.156	18	33.3	49.73	16	33.3	K0	J	12B	5529	A -18 3469
16		8.8A	45 28.496	0.0034	21	-16 53 20.20	-0.058	15	0.35	28.440	18	33.4	19.24	16	33.4	G0	J	12A	4893	A -16 3535
17		8.5A	45 39.257	-0.0055	18	-10 42 14.03	0.027	20	0.36	39.349	18	33.3	14.49	16	33.3	F2	J	11	4615	A -10 3554
18		8.5A	45 48.672	-0.0087	17	-12 15 32.66	-0.007	18	0.34	48.818	18	33.3	32.55	16	33.3	F0	J	11	4616	A -11 3369
19		8.5A	45 50.412	-0.0017	18	-13 3 16.62	-0.028	20	0.36	50.441	18	33.3	16.16	16	33.3	K5	J	11	4617	A -12 3696
20		8.6A	45 54.462	0.0056	21	-15 26 51.05	0.045	15	0.35	54.370	18	33.4	51.80	16	33.4	K2	J	12A	4894	A -14 3581
21		8.6A	45 59.715	-0.0011	17	-14 8 39.07	-0.023	18	0.34	59.733	18	33.3	38.69	16	33.3	K0	J	11	4618	A -13 3598
22		8.9A	46 4.124	-0.0005	17	-19 58 42.79	0.026	13	0.30	4.133	18	33.3	43.23	16	33.3	K5	J	12B	5533	A -19 3573
23		8.2A	46 10.122	-0.0004	17	-19 23 12.89	0.034	13	0.30	10.130	18	33.3	13.45	16	33.3	K0	J	12B	5534	A -18 3472
24		8.5A	46 12.014	-0.0054	18	-13 6 59.06	-0.029	20	0.36	12.103	18	33.3	58.58	16	33.3	K2	J	11	4619	A -12 3699
25		8.9A	46 17.840	0.0008	17	-19 42 2.30	0.010	13	0.30	17.828	18	33.3	2.47	16	33.3	A2	J	12B	5536	A -19 3575
26		9.4A	46 20.055	0.0009	21	-15 22 9.38	-0.041	15	0.35	20.040	18	33.4	8.70	16	33.4	G5	J	12A	4895	A -14 3583
27		8.8A	46 30.854	-0.0022	15	-11 53 25.26	-0.011	17	0.31	30.890	18	33.3	25.45	16	33.3	K5	J	11	4621	A -11 3373
28		9.5A	46 32.664	-0.0040	22	-15 14 10.54	-0.004	13	0.35	32.729	18	33.4	10.48	16	33.4	K5	J	12A	4896	A -14 3584
29		8.9A	46 35.875	-0.0006	18	-15 55 18.60	-0.001	13	0.31	35.885	18	33.4	18.58	16	33.4	K7	J	12A	4897	A -15 3540
30		9.0A	46 43.452	-0.0029	21	-14 34 6.09	-0.014	15	0.35	43.500	18	33.4	5.86	16	33.4	K5	J	12A	4898	A -14 3585
31		8.9A	46 45.034	-0.0042	15	-11 39 37.21	-0.025	17	0.31	45.104	18	33.3	36.80	16	33.3	F2	J	11	4623	A -11 3374
32		9.0A	46 48.346	0.0021	21	-16 55 5.70	0.007	15	0.35	48.312	18	33.4	5.82	16	33.4	F8	J	12A	4899	A -16 3540
33		8.5A	46 49.017	-0.0012	21	-16 52 24.50	-0.038	15	0.35	49.037	18	33.4	23.87	16	33.4	F2	J	12A	4900	A -16 3541
34		8.5A	46 51.553	-0.0079	17	-19 37 27.56	-0.007	13	0.30	51.684	18	33.3	27.68	16	33.3	F8	J	12B	5542	A -19 3579
35		7.0T	47 8.022	0.0001	12	-15 36 36.27	-0.021	11	0.65	8.014	22	97.3	35.11	19	94.2	K2		GC	17414	-15 3543
36		7.0T	47 9.593	-0.0009	17	-14 48 23.17	0.009	13	0.69	9.633	19	07.2	23.58	18	05.1	MB		GC	17415	-14 3587
37		8.9A	47 35.828	0.0020	15	-12 19 12.87	-0.074	17	0.31	35.794	18	33.3	11.64	16	33.3	G0	J	11	4625	A -11 3375
38		9.4A	47 41.929	0.0007	15	-15 43 38.90	-0.012	11	0.27	41.918	18	33.4	38.70	16	33.4	K5	J	12A	4903	A -15 3545
39		9.2A	47 50.057	-0.0057	18	-18 18 53.71	-0.004	13	0.31	50.152	18	33.4	53.65	16	33.4	G0	J	12A	4904K	A -17 3715
40		7.5A	47 51.536	-0.0011	15	-12 45 45.11	0.010	17	0.31	51.554	18	33.3	45.28	16	33.3	K2	J	11	4626	A -12 3707
41		9.2A	47 52.165	0.0000	13	-18 36 55.41	0.002	09	0.26	52.165	18	33.3	55.44	16	33.3	G5	J	12B	5547	A -18 3477
42		8.8A	47 58.009	-0.0003	12	-10 17 57.79	-0.006	12	0.25	58.014	16	33.4	57.69	16	33.4	F5		16	4649	A -9 3566
43		9.1A	48 21.289	-0.0003	17	-18 22 58.56	-0.017	13	0.30	21.295	18	33.3	58.26	16	33.3	G0	J	12B	5549	A -17 3717
44		8.9A	48 24.180	0.0016	18	-17 35 16.70	-0.036	13	0.31	24.154	18	33.4	16.11	16	33.4	K0	J	12A	4907	A -17 3718
45		8.8A	48 24.782	0.0013	21	-17 3 45.19	-0.027	15	0.35	24.761	18	33.4	44.75	16	33.4	K2	J	12A	4908	A -16 3546
46		9.0A	48 32.372	-0.0053	13	-10 59 43.18	0.000	15	0.29	32.460	18	33.3	43.19	16	33.3	G0	J	11	4627	A -10 3559
47		8.2A	48 42.740	-0.0017	22	-16 38 40.77	-0.016	13	0.35	42.768	18	33.4	40.51	16	33.4	K5	J	12A	4909	A -16 3548
48		8.7A	48 43.327	-0.0016	15	-11 34 23.07	-0.005	17	0.31	43.353	18	33.3	22.99	16	33.3	F0	J	11	4628	A -11 3378
49		9.4A	48 44.810	-0.0017	12	-10 3 42.90	-0.034	12	0.25	44.838	16	33.4	42.34	16	33.4	G0	R	16	4654	A -9 3568
50		6.5T	48 46.600	-0.0008	04	-10 3 59.26	-0.012	03	0.20	46.637	07	00.6	58.62	07	96.7	K0		GC	17445K	B* -9 3569
51		9.4A	12 48 48.335	-0.0007	21	-17 20 49.75	-0.081	15	0.35	48.346	18	33.4	48.41	16	33.4	G0	J	12A	4910	A -16 3549
52		8.1Q	48 48.979	-0.0178	08	-13 12 53.62	-0.321	07	0.45	49.979	12	93.8	34.82	12	91.4	G0		GC	17447	-12 3709
53		8.6A	48 49.464	-0.0038	21	-15 3 58.16	0.001	15	0.35	49.527	18	33.4	58.18	16	33.4	K5	J	12A	4911	A -14 3592
54		9.0A	48 54.124	-0.0024	21	-14 49 2.47	-0.003	15	0.35	54.084	18	33.4	2.42	16	33.4	K5	J	12A	4912	A -14 3593
55		8.8A	49 6.941	-0.0079	22	-15 25 13.23	-0.017	13	0.35	7.071	18	33.4	12.95	16	33.4	F5	J	12A	4913	A -14 3594
56		8.5A	49 15.728	-0.0027	15	-18 40 19.69	-0.025	11	0.27	15.773	18	33.3	19.27	16	33.3	K5	J	12B	5551	A -18 3483
57		9.3A	49 17.083	0.0003	15	-11 43 43.55	0.055	17	0.31	17.077	18	33.3	44.47	16	33.3	F8	J	11	4631	A -11 3379
58		9.0A	49 30.574	0.0003	21	-17 31 58.72	-0.041	15	0.35	30.570	18	33.4	58.04	16	33.4	K0	J	12A	4915	A -17 3721
59		8.5A	49 31.661	-0.0016	15	-13 45 53.42	0.035	17	0.31	31.688	18	33.3	54.01	16	33.3	K0	J	11	4632	A -13 3610
60		9.2A	49 45.634	0.0010	21	-17 55 36.71	0.010	15	0.35	45.617	18	33.4	36.88	16	33.4	K2	J	12A	4916	A -17 3722
61		9.0A	49 45.915	0.0022	15	-13 29 52.44	0.013	17	0.31	45.877	18	33.3	52.66	16	33.3	F2	J	11	4633	A -12 3711
62		9.2A	49 46.360	-0.0032	21	-17 20 55.80	-0.069	15	0.35	46.414	18	33.4	54.66	16	33.4	G0	J	12A	4917	A -16 3554
63		9.1A	50 5.583	-0.0035	22	-14 25 19.23	0.020	13	0.35	5.641	18	33.4	19.56	16	33.4	K0	J	12A	4918	A -13 3611
64		9.4A	50 10.766	-0.0010	21	-17 17 19.12	-0.026	15	0.35	10.783	18	33.4	18.69	16	33.4	M0	J	12A	4919	A -16 3555
65		8.7A	50 19.756	-0.0033	12	-10 17 21.82	0.002	12	0.25	19.811	16	33.4	21.86	16	33.4	A5		16	4660	A -9 3571
66		7.9A	50 21.272	-0.0040	15	-14 20 56.90	0.001	17	0.31	21.337	18	33.3	56.92	16	33.3	M2	J	11	4635	A -13 3612
67		8.9A	50 29.956	0.0003	15	-13 2 10.06	-0.007	17	0.31	29.950	18	33.3	9.95	16	33.3	G5	J	11	4636	A -12 3712
68		8.9A	50 30.567	-0.0018	17	-19 56 35.73	-0.021	13	0.30	30.597	18	33.3	35.39	16	33.3	F2	J	12B	5556	A -19 3592
69		7.6T	50 31.782	-0.0020	08	-14 41 40.20	0.033	07	0.44	31.892	17	95.3	42.14	16	91.0	F2		GC	17482	-14 3596
70		8.5A	50 33.933	-0.0001	18	-16 19 14.67	-0.004	13	0.31	33.935	18	33.4	14.60	16	33.4	K0	J	12A	4923	A -15 3551
71		8.3A	50 33.958	-0.0023	21	-16 55 41.24	-0.032	15	0.35	33.997	18	33.4	40.71	16	33.4	K2	J	12A	4922	A -16 3557
72		8.8A	50 34.191	-0.0002	15	-11 39 0.26	-0.027	17	0.31	34.195	18	33.3	59.81	16	33.3	K2	J	11	4637	A -11 3384
73		8.3Q	50 35.334	0.0220	10	-18 14 23.41	-0.797	10	0.53	34.214	14	99.2	40.55	14	96.2	F8		GC	17484	B* -17 3723
74		8.3A	50 43.036	-0.0029	12	-10 38 59.29	0.036	12	0.25	43.084	16	33.4	59.89	16	33.4	K0		16	4664	A -10 3563
75		8.6A	50 50.240	-0.0000	15	-19 36 8.56	-0.013	11	0.27	50.241	18	33.3	8.35	16	33.3	K5	J	12B	5557	A -19 3593
76		8.2A	50 59.199	0.0057	21	-16 33 47.78	-0.063	15	0.35	59.104	18	33.4	46.74	16	33.4	K0	J	12A	4924	A -16 3558
77		8.6A	51 4.178	0.0061	15	-13 22 28.50	0.044	17	0.31	4.077	18	33.3	29.24	16	33.3	G0	J	11	4639	A -12 3714
78		9.0A	51 6.986	-0.0013	21	-16 55 31.94	-0.023	15	0.35	7.007	18	33.4	31.56	16	33.4	G5	J	12A	4925	A -16 3560
79		9.3Q	51 20.134	-0.0038	16	-17 45 50.56	-0.017	14	0.69	20.297	19	07.5	49.77	19	04.5	F0		GC	17505K	-17 3725
80		6.8H	51 21.719	-0.0024	03	-17 45 59.76	-0.003	03	0.10	21.784	05	23.3	59.69	05	24.0	A0		F4	1334	-17 3726
81		9.0A	51 26.161	-0.0019	17	-19 57 22.22	-0.009	13	0.30	26.192	18	33.3	22.08	16	33.3	K7	J	12B	5561	A -19 3594
82		8.4A	51 26.384	-0.0016	15	-11 7 2.27	0.005	17	0.31	26.411	18	33.3	2.36	16	33.3	K0	J	11	4640	A -10 3567
83		8.4A	51 35.965	-0.0047	17	-13 42 54.16	0.017	18	0.34	36.044	18	33.3	54.45	16	33.3	F0	J	11	4641	A -13 3617
84		6.0T	51 42.249	-0.0099	06	-11 22 39.77	0.007	05	0.28	42.695	07	04.7	40.11	09	02.0	A0		GC	17515	-10 3570
85		8.1A	51 48.614	-0.0049	15	-12 39 57.34	-0.035	17	0.31	48.695	18	33.3	56.76	16	33.3	K0	J	11	4643	A -12 3715
86		6.9T	51 51.050	0.0011	22	-19 49 36.48	0.012	18	0.97	51.003	26	05.2	37.06	24	02.4	K2		GC	17519	-19 3597
87		8.9A	52 7.693	-0.0068	18	-18 4 59.65	-0.048	13	0.31	7.806	18	33.4	58.86	16	33.4	F5	J	12A	4928	A -17 3730
88		8.3A	52 14.727	-0.0033	12	-10 9 47.68	0.011	12	0.25	14.783	16	33.4	47.87	16	33.4	F6		16	4674	A -9 3584
89		9.1A	52 14.968	-0.0011	17	-19 7 44.48	-0.040	13	0.30	14.985	18	33.3	43.81	16	33.3	F8	J	12B	5564	A -18 3492
90		9.0A	52 27.404	-0.0019	12	-12 11.33	-0.059	13	0.30	27.459	18	33.3	10.34	16	33.3	K0	J	12B	5565	A -18 3493
91		7.0T	52 29.678	-0.0005	13	-13 10 54.61	-0.001	11	0.69	29.703	22	98.6	54.56	21	94.2	K0		GC	17528	-12 3719
92		9.4A	52 34.496	-0.0002	22	-18 16 33.18	-0.041	13	0.35	34.499	18	33.4	32.51	16	33.4	F5	J	12A	4929	A -17 3733
93		9.3A	52 48.289	-0.0017	18	-17 14 27.92	0.007	13	0.31	48.317	18	33.4	28.04	16	33.4	A5	J	12A	4930	A -16 3563
94		9.1A	52 49.771	-0.0013	17	-18 51 39.34	0.026	13	0.30	49.793	18	33.3	39.77	16	33.3	F0	J	12B	5568	A -18 3494
95		8.7A	52 50.754	0.0011	18	-13 49 45.22	0.006	20	0.36	50.736	18	33.3	45.32	16	33.3	F2	J	11	4645	A -13 3621
96		8.8A	52 58.058	-0.0015	13	-11 11 36.39	-0.031	15	0.29	58.083	18	33.3	35.88	16	33.3	F5	J	11	4646	A -10 3576
97		8.9A	53 4.790	-0.0027	15	-11 46 41.05	-0.016	17	0.31	4.836	18	33.3	40.79	16	33.3	G5	J	11	4647	A -11 3390
98		8.4A	53 12.956	0.0003	17	-13 20 32.52	0.025	18	0.34	12.950	18	33.3	32.94	16	33.3	F5	J	11	4648	A -12 3722
99		6.1T	53 15.285	-0.0007	10	-15 3 23.49	-0.006	08	0.36	15.314	09	10.2	23.26	09	11.0	A0		GC	17548	-14 3605
00		9.5A	53 22.992	-0.0046	17	-19 44 50.71	-0.009	13	0.30	23.069	18	33.3	50.57	16	33.3	F8	J	12B	5570	A -19 3606

157600

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	σ'_μ ″.001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	CAT	SOURCE STAR NUMBER	-10° 12H DM NUMBER
1		8.3A	12 53 24.931	-0.0045	17	-19 56 37.18	0.013	13	0.30	25.006	18	33.3	37.40	16	33.3	K0 J	12B	5571	A -19 3602
2		8.8A	53 26.048	-0.0012	15	-11 2 20.09	-0.005	17	0.31	26.068	18	33.3	20.01	16	33.3	K5 J	11	4649	A -10 3578
3		8.1A	53 28.841	0.0001	21	-16 37 18.44	-0.028	15	0.35	28.839	18	33.4	17.98	16	33.4	K2 J	12A	4932	A -16 3565
4		9.0A	53 30.412	0.0048	17	-11 43 1.49	-0.008	18	0.34	30.332	18	33.3	1.36	16	33.3	G0 J	11	4650	A -11 3394
5		9.2A	53 33.237	-0.0049	22	-17 24 27.49	-0.037	13	0.35	33.317	18	33.4	26.88	16	33.4	F8 J	12A	4933	A -16 3566
6		9.0A	53 33.875	0.0012	21	-17 58 27.50	-0.056	15	0.35	33.855	18	33.4	26.56	16	33.4	F8 J	12A	4935	A -17 3737
7		9.2A	53 33.890	-0.0001	15	-18 28 57.64	-0.036	11	0.27	33.892	18	33.3	57.04	16	33.3	G0 J	12B	5572	A -17 3736
8		7.3A	53 38.280	-0.0074	18	-19 21 40.46	0.007	13	0.31	38.453	18	33.3	40.57	16	33.3	G5 J	12B	5573	A -18 3497
9		8.0A	53 48.154	-0.0081	21	-14 40 43.34	-0.055	15	0.35	48.289	18	33.4	42.43	16	33.4	F0 J	12A	4936	A -14 3608
10		9.4A	53 54.720	0.0014	21	-16 52 55.95	-0.026	15	0.35	54.697	18	33.4	55.52	16	33.4		12A	4937	A -16 3568
11		8.4A	54 0.193	0.0008	21	-16 27 21.33	-0.028	15	0.35	0.180	18	33.4	20.87	16	33.4	K0 J	12A	4938	A -15 3558
12		9.2A	54 4.769	-0.0109	18	-16 45 49.32	-0.043	13	0.31	4.950	18	33.4	48.61	16	33.4		12A	4939	A -16 3569
13		7.4T	54 5.771	-0.0022	18	-11 40 23.04	-0.022	14	0.83	5.873	26	02.9	21.94	24	99.6	K5	GC	17566	-11 3395
14		8.5A	54 10.641	0.0004	22	-14 50 18.87	-0.009	13	0.35	10.635	18	33.4	18.72	16	33.4	K0 J	12A	4941	A -14 3613
15		9.4A	54 10.890	-0.0003	21	-16 46 35.09	0.009	15	0.35	10.895	18	33.4	35.24	16	33.4		12A	4940	A -16 3570
16		8.9A	54 14.726	0.0029	22	-18 19 8.62	-0.016	13	0.35	14.678	18	33.4	8.36	16	33.4	M0 J	12A	4942	A -17 3739
17		8.8A	54 21.141	-0.0019	12	-10 36 44.59	-0.022	12	0.25	21.172	18	33.4	44.23	16	33.4	F0	16	4682	A -10 3581
18		6.5T	54 35.597	0.0001	14	-11 47 48.22	-0.016	14	0.74	35.590	22	00.0	47.43	22	00.2	K5	GC	17577	-11 3398
19		8.2A	54 55.935	-0.0042	11	-19 28 49.80	-0.002	09	0.24	56.005	18	33.3	49.76	16	33.3	A3 J	12B	5578	A -18 3504
20		8.6A	54 57.046	-0.0131	21	-17 7 27.64	-0.057	15	0.35	57.264	18	33.4	26.70	16	33.4	F8 J	12A	4943	A -16 3572
21		8.4A	54 58.416	-0.0081	17	-12 32 30.37	-0.062	18	0.34	58.552	18	33.3	29.34	16	33.3	G0 J	11	4655	A -12 3726
22		9.1A	55 4.814	-0.0026	18	-11 37 7.73	-0.012	20	0.36	4.857	18	33.3	7.53	16	33.3	G5 J	11	4656	A -11 3399
23		8.7A	7.245	-0.0239	17	-14 11 37.46	0.028	18	0.34	7.642	18	33.3	37.93	16	33.3	K2 J	11	4657	A -13 3627
24		9.0A	55 16.081	-0.0035	13	-18 55 6.54	0.011	09	0.26	16.140	18	33.3	6.72	16	33.3	K0 J	12B	5580	A -18 3508
25		8.3A	18.798	0.0018	17	-14 4 33.18	-0.012	18	0.34	18.768	18	33.3	32.98	16	33.3	K0 J	11	4659	A -13 3628
26		9.0A	55 25.054	0.0005	21	-16 22 39.12	0.005	15	0.35	25.047	18	33.4	39.21	16	33.4	K7 J	12A	4944	A -15 3562
27		7.9A	25.957	-0.0129	21	-14 42 55.26	-0.014	15	0.35	26.172	18	33.4	55.03	16	33.4	G5 J	12A	4945	A -14 3615
28		9.0A	27.546	-0.0024	15	-11 30 25.21	-0.002	17	0.31	27.586	18	33.3	25.18	16	33.3	K0 J	11	4660	A -10 3584
29		9.4A	29.745	-0.0045	18	-17 52 49.08	0.015	13	0.31	29.820	18	33.4	49.32	16	33.4	G0 J	12A	4946	A -17 3742
30		9.3A	31.207	-0.0014	13	-19 49 18.12	-0.150	11	0.26	31.231	18	33.3	15.63	16	33.3	F2 J	12B	5582	A -19 3606
31		8.4A	55 31.961	0.0004	21	-16 30 6.32	-0.035	15	0.35	31.955	18	33.4	5.74	16	33.4	F8 J	12A	4947	A -15 3563
32		8.0A	55 49.003	0.0011	21	-17 3 47.41	-0.026	15	0.35	48.985	18	33.4	46.98	16	33.4	K5 J	12A	4948	A -16 3574
33		9.2A	55 49.246	-0.0016	17	-12 18 17.41	0.003	18	0.34	49.273	18	33.3	17.16	16	33.3	K0 J	11	4661	A -11 3402
34		7.9A	55 53.585	-0.0008	13	-12 14 36.29	0.001	13	0.28	53.599	18	33.3	36.31	16	33.3	M0 J	11	4662	A -11 3403
35		9.0A	56 14.001	-0.0037	15	-11 14 6.55	0.010	17	0.31	14.063	18	33.3	6.72	16	33.3	K2 J	11	4663	A -11 3586
36		8.8A	56 21.404	-0.0018	18	-17 26 50.67	-0.005	13	0.31	21.434	18	33.4	50.59	16	33.4	G5 J	12A	4949	A -16 3576
37		8.1A	56 47.862	-0.0034	21	-16 15 50.68	0.013	15	0.35	47.918	18	33.4	50.90	16	33.4	K2 J	12A	4950	A -15 3568
38		8.9A	56 53.753	-0.0028	15	-11 16 46.18	-0.020	17	0.31	53.799	18	33.3	45.85	16	33.3	G5 J	11	4664	A -10 3589
39		9.2A	56 55.267	-0.0010	15	-12 45 55.85	-0.030	17	0.31	55.283	18	33.3	55.35	16	33.3	K5 J	11	4665	A -12 3732
40		9.1A	57 3.147	-0.0002	15	-11 51 23.80	0.006	17	0.31	3.151	18	33.3	23.91	16	33.3	G0 J	11	4666	A -11 3407
41		9.0A	57 4.837	0.0013	11	-19 12 15.88	-0.124	09	0.24	4.817	18	33.3	13.81	16	33.3	G0 J	12B	5588	A -18 3516
42		8.1A	57 18.514	0.0004	13	-13 55 11.54	-0.005	15	0.29	18.507	18	33.3	11.46	16	33.3	K2 J	11	4667	A -13 3633
43		9.3A	57 22.340	0.0001	21	-15 58 9.87	-0.012	15	0.35	22.338	18	33.4	9.67	16	33.4	K5 J	12A	4951	A -15 3572
44		8.9A	57 24.583	-0.0028	18	-15 40 30.41	0.019	13	0.31	24.630	18	33.4	30.73	16	33.4	K7 J	12A	4952	A -15 3573
45		9.2A	57 27.361	-0.0036	17	-19 44 47.08	0.018	13	0.30	27.421	18	33.3	47.38	16	33.3	G5 J	12B	5592	A -19 3613
46		9.2A	57 27.498	-0.0017	21	-15 57 30.83	-0.002	15	0.35	27.526	18	33.4	30.80	16	33.4	K5 J	12A	4953	A -15 3574
47		9.2A	57 34.908	-0.0022	21	-18 17 13.97	0.002	15	0.35	34.944	18	33.4	14.01	16	33.4	K7 J	12A	4954	A -17 3749
48		9.0A	57 39.522	-0.0030	21	-14 58 52.97	-0.003	15	0.35	39.573	18	33.4	52.92	16	33.4	K2 J	12A	4955	A -14 3619
49		9.3A	57 39.857	0.0034	17	-13 57 47.34	-0.008	18	0.34	39.801	18	33.3	47.21	16	33.3	K0 J	11	4668	A -13 3634
50		7.6A	57 47.281	0.0006	13	-13 37 24.97	0.029	15	0.29	47.271	18	33.3	25.46	16	33.3	F2 J	11	4669	A -13 3635
51		9.2A	12 58 15.459	-0.0041	18	-15 31 20.14	-0.019	13	0.31	15.528	18	33.4	19.82	16	33.4	F0 J	12A	4956	A -15 3577
52		9.2A	58 17.406	-0.0032	15	-11 47 8.33	0.029	17	0.31	17.459	18	33.3	8.82	16	33.3	K2 J	11	4670	A -11 3412
53		7.7T	58 31.821	-0.0011	26	-17 51 10.67	0.032	22	1.16	31.869	26	03.7	12.25	24	01.4	K5	GC	17663	-17 3751
54		8.1A	58 38.318	-0.0033	15	-12 20 55.94	0.012	15	0.30	38.374	18	33.3	56.14	16	33.3	K0 J	11	4671	A -11 3413
55		8.7A	58 38.634	-0.0010	17	-15 31 29.76	-0.041	11	0.29	38.651	18	33.4	29.08	16	33.4	K5 J	12A	4958	A -15 3578
56		9.0A	58 42.086	-0.0020	21	-17 8 41.26	-0.021	15	0.35	42.119	18	33.4	40.91	16	33.4	M0 J	12A	4959	A -16 3582
57		8.2A	58 43.178	0.0001	21	-17 36 47.70	-0.028	15	0.35	43.178	18	33.4	47.24	16	33.4	K2 J	12A	4960	A -17 3752
58		8.6A	58 46.605	-0.0043	13	-10 53 15.43	-0.037	15	0.29	46.676	18	33.3	14.82	16	33.3	F5 J	11	4672	A -10 3592
59		9.2A	58 57.429	0.0004	21	-15 43 11.53	0.000	15	0.35	57.422	18	33.4	11.53	16	33.4	M0 J	12A	4961	A -15 3579
60		8.7A	59 0.888	-0.0023	15	-12 6 6.85	0.013	17	0.31	0.926	18	33.3	7.07	16	33.3	K0 J	11	4673	A -11 3414
61		8.4A	59 5.350	-0.0013	21	-16 18 43.33	-0.013	15	0.35	5.371	18	33.4	43.12	16	33.4	K5 J	12A	4962	A -15 3580
62		8.8A	59 8.508	0.0001	15	-12 54 4.19	-0.013	17	0.31	8.507	18	33.3	3.98	16	33.3	K5 J	11	4674	A -12 3738
63		9.3A	59 9.786	-0.0014	21	-17 36 49.72	0.003	15	0.35	9.810	18	33.4	49.78	16	33.4	K0 J	12A	4963	A -17 3753
64		7.8A	59 13.446	0.0006	17	-19 30 19.45	-0.050	13	0.30	13.436	18	33.3	18.62	16	33.3	A3 J	12B	5602	A -18 3528
65		8.4A	59 17.908	-0.0026	13	-13 33 1.28	0.031	15	0.29	17.952	18	33.3	1.80	16	33.3	F8 J	11	4675	A -13 3641
66		9.0A	59 23.500	-0.0007	13	-19 50 2.13	-0.014	09	0.26	23.512	18	33.3	1.90	16	33.3	F5 J	12B	5604	A -19 3620
67		9.0A	59 24.444	-0.0026	12	-10 11 3.53	-0.003	12	0.25	24.487	16	33.4	3.48	16	33.4	K0	16	4700	A -9 3607
68		7.2A	59 35.657	-0.0072	15	-11 50 26.78	0.032	17	0.31	35.776	18	33.3	27.32	16	33.3	K0 J	11	4676	A -11 3418
69		8.9A	59 47.467	0.0040	15	-12 35 40.87	-0.068	17	0.31	47.450	18	33.3	39.41	16	33.3	G0 J	11	4677	A -12 3741
70		9.2A	59 49.052	-0.0044	15	-11 48 38.02	0.002	17	0.31	49.125	18	33.3	38.06	16	33.3	K5 J	11	4678	A -11 3419
71		9.4A	59 52.022	-0.0002	21	-15 55 59.19	-0.003	15	0.35	52.026	18	33.4	59.14	16	33.4	F2 J	12A	4964	A -15 3583
72		9.3A	13 0 1.791	-0.0073	15	-19 37 48.69	0.008	11	0.27	1.913	18	33.3	48.83	16	33.3	G5 J	12B	5607	A -19 3623
73		9.2A	0 4.812	0.0000	21	-15 45 21.23	0.021	15	0.35	4.811	18	33.4	21.58	16	33.4	K0 J	12A	4965	A -15 3584
74		8.4A	0 12.331	-0.0005	18	-18 10 11.08	-0.024	13	0.31	12.339	18	33.4	10.69	16	33.4	K2 J	12A	4966	A -17 3757
75		8.6A	0 15.680	-0.0045	15	-14 19 6.41	-0.024	17	0.31	15.754	18	33.3	6.01	16	33.3	F5 J	11	4679	A -13 3644
76		9.2A	0 17.211	-0.0053	21	-15 5 33.35	-0.018	15	0.35	17.298	18	33.4	33.05	16	33.4	F8 J	12A	4967	A -14 3626
77		8.5A	0 18.490	-0.0008	21	-16 36 46.22	0.007	15	0.35	18.503	18	33.4	46.34	16	33.4	K0 J	12A	4968	A -16 3588
78		8.9A	0 19.265	-0.0015	15	-14 19 54.63	-0.005	17	0.31	19.291	18	33.3	54.55	16	33.3	K2 J	11	4680	A -13 3645
79		9.3A	0 20.239	0.0020	18	-19 54 42.61	0.015	12	0.31	20.206	18	33.3	42.87	16	33.3	F8 J	12B	5609	A -19 3625
80		8.2A	0 22.924	-0.0035	17	-18 48 31.42	-0.045	13	0.30	22.981	18	33.3	30.67	16	33.3	F2 J	12B	5610	A -18 3533
81		8.6A	0 42.436	-0.0003	21	-16 0 40.44	-0.024	15	0.35	42.441	18	33.4	40.04	16	33.4	M1 J	12A	4969	A -15 3588
82		9.0A	0 43.771	-0.0057	22	-17 49 25.07	-0.056	17	0.37	43.865	18	33.4	24.14	16	33.4	F8 J	12A	4970	A -17 3760
83		8.8A	0 44.621	-0.0001	15	-12 42 46.00	0.004	17	0.31	44.622	18	33.3	46.07	16	33.3	K5 J	11	4681	A -12 3743
84		8.8A	0 48.426	-0.0027	17	-19 24 29.05	0.004	13	0.30	48.472	18	33.3	29.11	16	33.3	F0 J	12B	5613	A -18 3534
85		9.0A	0 54.128	0.0008	21	-16 59 36.84	-0.008	15	0.35	54.114	18	33.4	36.71	16	33.4	M0 J	12A	4971	A -16 3589
86		8.8A	0 58.772	-0.0002	13	-13 6 39.34	-0.023	15	0.29	58.775	18	33.3	38.96	16	33.3	K0 J	11	4682	A -12 3745
87		8.1A	0 59.792	-0.0025	13	-11 18 48.16	-0.114	15	0.29	59.834	18	33.3	46.27	16	33.3	G5 J	11	4683	A -10 3599
88		7.4A	1 0.377	-0.0087	21	-16 4 4.96	-0.045	15	0.35	0.522	18	33.4	4.22	16	33.4	F8 J	12A	4972	A -15 3589
89		9.1A	1 5.545	-0.0016	15	-12 18 24.07	-0.033	17	0.31	5.572	18	33.3	23.52	16	33.3	K0 J	11	4684	A -11 3425
90		9.0A	1 5.597	0.0013	21	-17 30 7.26	0.000	15	0.35	5.575	18	33.4	7.27	16	33.4	K0 J	12A	4973	A -16 3590
91		8.9A	1 18.835	0.0021	15	-10 41 54.29	-0.014	17	0.31	18.801	18	33.3	54.06	16	33.3	F8 J	11	4685	A -10 3600
92		8.5A	1 23.162	0.0014	22	-17 21 17.48	-0.174	13	0.35	23.139	18	33.4	14.60	16	33.4	K0 J	12A	4974	A -16 3591
93		9.3A	1 32.730	-0.0039	21	-15 23 42.26	0.007	15	0.35	32.794	18	33.4	42.38	16	33.4	G5 J	12A	4975	A -14 3632
94		8.3A	1 40.041	-0.0033	17	-16 58 10.67	0.015	11	0.29	40.096	18	33.4	10.92	16	33.4	F0 J	12A	4976	A -16 3592
95		9.1A	1 44.003	0.0021	21	-15 30 49.88	-0.013	15	0.35	43.968	18	33.4	49.67	16	33.4	F2 J	12A	4977	A -14 3634
96		8.9A	1 45.483	-0.0036	15	-11 25 51.09	-0.009	15	0.30	45.543	18	33.3	50.95	16	33.3	G5 J	11	4686	A -10 3601
97		9.4A	1 48.172	-0.0034	15	-11 40 15.12	0.017	17	0.31	48.228	18	33.3	15.41	16	33.3	K2 J	11	4687	A -11 3429
98		8.8A	1 49.135	-0.0041	15	-12 59 40.44	-0.003	15	0.30	49.198	18	33.3	40.39	16	33.3	G0 J	11	4688K	A -12 3747
99		9.4A	2 7.544	-0.0035	18	-17 38 29.67	0.010	13	0.31	7.603	18	33.4	29.85	16	33.4	F2 J	12A	4978	A -17 3766
00		9.3A	2 19.700	-0.0039	17	-15 13 46.91	-0.018	11	0.29	19.765	18	33.4	46.61	16	33.4	G0 J	12A	4979	A -14 3636

157700

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	σ'_μ ″.001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	SOURCE CAT.	STAR NUMBER	-10° 13H DM NUMBER
1		8.6A	13 2 22.624	-0.0050	22	-17 24 32.17	-0.096	13	0.35	22.707	18	33.4	30.58	16	33.4	G5 J	12A	4980K	A -16 3596
2		9.0A	2 32.797	0.0014	15	-12 30 49.00	-0.016	17	0.31	32.774	18	33.3	48.74	16	33.3	A5 J	11	4689	A -12 3750
3		9.4A	2 38.148	-0.0017	18	-15 19 48.79	-0.008	13	0.31	38.175	18	33.4	48.66	16	33.4	F8 J	12A	4981	A -14 3638
4		9.0A	2 45.428	0.0010	21	-14 49 58.41	-0.023	15	0.35	45.412	18	33.4	58.03	16	33.4	F8 J	12A	4982	A -14 3640
5		7.5A	2 47.491	0.0011	21	-16 44 11.14	-0.028	15	0.35	47.473	18	33.4	10.68	16	33.4	K2 J	12A	4983	A -16 3597
6		8.7A	2 48.741	-0.0042	13	-18 42 41.37	-0.020	09	0.26	48.811	18	33.3	41.03	16	33.3	F5 J	12B	5620	A -18 3538
7		8.8A	2 51.844	-0.0015	15	-11 36 38.62	-0.081	17	0.31	51.868	18	33.3	37.28	16	33.3	G5 J	11	4690	A -11 3436
8		8.6A	2 56.555	-0.0047	15	-12 31 16.06	0.000	17	0.31	56.633	18	33.3	16.06	16	33.3	A3 J	11	4691	A -12 3751
9		9.0A	3 1.806	0.0004	22	-15 35 3.27	-0.005	13	0.35	1.800	18	33.4	3.19	16	33.4	K0 J	12A	4984	A -15 3596
10		9.1A	3 3.529	-0.0008	13	-11 15 17.70	-0.035	15	0.29	3.543	18	33.3	17.12	16	33.3	K2 J	11	4692	A -10 3606
11		8.9A	3 4.563	-0.0017	12	-10 14 3.24	-0.010	12	0.25	4.592	16	33.4	3.08	16	33.4	K0 R	16	4711	A -9 3617
12		8.6A	3 4.840	-0.0006	15	-12 6 7.55	-0.005	17	0.31	4.850	18	33.3	7.47	16	33.3	F8 J	11	4693	A -11 3437
13		7.0T	3 6.077	-0.0027	17	-17 59 32.09	-0.014	13	0.71	6.193	22	06.1	31.45	19	02.7	F2	GC	17744	-17 3768
14		8.6A	3 6.591	-0.0070	13	-18 33 29.01	-0.003	09	0.26	6.707	18	33.3	28.96	16	33.3	G5 J	12B	5622	A -18 3539
15		7.2T	3 13.451	-0.0011	10	-13 50 38.61	-0.017	10	0.42	13.497	07	07.9	37.95	07	10.3	K5	GC	17746	-13 3651
16		9.2A	3 16.606	-0.0007	21	-18 13 10.07	-0.011	15	0.35	16.618	18	33.4	9.89	16	33.4	F5 J	12A	4987	A -17 3769
17		9.2A	3 24.883	-0.0013	21	-14 33 51.14	-0.038	15	0.35	24.905	18	33.4	50.51	16	33.4	F8 J	12A	4988	A -14 3643
18		8.9A	3 25.168	-0.0001	15	-10 45 37.52	-0.015	17	0.31	25.170	18	33.3	37.28	16	33.3	K5 J	11	4696	A -10 3608
19		9.0A	3 27.181	-0.0038	17	-19 57 15.79	0.077	13	0.30	27.245	18	33.3	17.07	16	33.3	G5 J	12B	5623	A -19 3633
20		9.2A	3 35.814	0.0004	21	-18 15 59.62	0.015	15	0.35	35.808	18	33.4	59.88	16	33.4	F8 J	12A	4989	A -17 3771
21		8.5A	3 44.322	-0.0013	13	-19 47 28.94	0.011	09	0.26	44.345	18	33.3	29.13	16	33.3	K5P J	12B	5624	A -19 3634
22		8.6A	3 46.168	-0.0038	13	-18 40 55.74	-0.013	09	0.26	46.232	18	33.3	55.52	16	33.3	F0 J	12B	5625	A -18 3540
23		7.2T	3 48.396	-0.0029	04	-14 38 56.15	0.012	04	0.23	48.537	12	01.5	56.76	12	99.0	K0	GC	17765	B*-14 3644
24		9.1A	3 52.400	-0.0113	12	-10 11 41.81	-0.003	12	0.25	52.588	16	33.4	41.76	16	33.4	G0 R	16	4718	A -9 3622
25		9.5A	3 59.917	-0.0022	20	-16 11 0.77	-0.022	11	0.31	59.954	18	33.3	0.41	16	33.3	G0 J	12A	4992	A -15 3597
26		9.1A	4 6.209	-0.0017	15	-13 43 22.03	-0.020	15	0.30	6.237	18	33.3	21.70	16	33.3	K0 J	11	4698	A -13 3654
27		9.2A	4 10.439	-0.0020	15	-11 28 22.39	0.027	15	0.30	10.473	18	33.3	22.85	16	33.3	G5 J	11	4699	A -10 3610
28		8.3A	4 23.268	-0.0002	17	-19 52 24.89	-0.007	13	0.30	23.272	18	33.3	24.78	16	33.3	K0 J	12B	5628	A -19 3635
29		8.9A	4 34.109	-0.0019	15	-11 21 3.13	-0.010	17	0.31	34.140	18	33.3	2.97	16	33.3	K7 J	11	4700	A -10 3611
30		8.8A	4 38.519	-0.0016	13	-19 12 9.52	0.008	09	0.26	38.546	18	33.3	9.65	16	33.3	K5 J	12B	5629	A -18 3542
31		9.2A	4 43.772	-0.0009	21	-16 48 43.43	0.016	15	0.35	43.787	18	33.3	43.70	16	33.3	F8 J	12A	4993	A -16 3602
32		8.8A	4 46.071	0.0025	15	-12 24 1.52	-0.108	15	0.30	46.030	18	33.3	59.72	16	33.3	G5 J	11	4701	A -11 3442
33		9.2A	4 48.155	-0.0001	13	-19 59 43.58	0.014	09	0.26	48.157	18	33.3	43.82	16	33.3	G5 J	12B	5630	A -19 3637
34		9.1A	4 56.329	-0.0014	13	-11 7 22.58	-0.014	15	0.29	56.352	18	33.3	22.35	16	33.3	K5 J	11	4702	A -10 3614
35		7.7A	5 1.013	-0.0105	15	-13 55 16.98	-0.017	17	0.31	1.188	18	33.3	16.70	16	33.3	F8 J	11	4703	A -13 3656
36		8.4A	5 9.813	-0.0006	21	-17 44 16.20	-0.024	15	0.35	9.802	18	33.3	15.81	16	33.3	G5 J	12A	4994	A -17 3774
37		8.0A	5 11.771	-0.0020	13	-18 46 7.97	0.011	09	0.26	11.804	18	33.3	8.15	16	33.3	K2 J	12B	5632	A -18 3543
38		9.0A	5 13.893	-0.0158	17	-19 34 50.66	-0.018	13	0.30	14.156	18	33.3	50.37	16	33.3	G5 J	12B	5633	A -19 3638
39		5.3T	5 16.406	0.0009	03	-10 28 24.61	-0.012	02	0.15	16.355	06	96.3	23.88	06	88.7	K0	GC	17794	B* -9 3628
40		8.3A	5 23.472	-0.0003	15	-14 1 17.30	-0.036	17	0.31	23.476	18	33.3	16.70	16	33.3	K5 J	11	4705	A -13 3657
41		9.2A	5 27.533	-0.0008	21	-16 24 37.79	-0.018	15	0.35	27.546	18	33.3	37.49	16	33.3	F8 J	12A	4995	A -15 3599
42		8.2A	5 28.044	0.0010	15	-12 51 4.77	-0.010	17	0.31	28.028	18	33.3	4.60	16	33.3	A0 J	11	4706	A -12 3760
43		9.4A	5 49.060	-0.0019	21	-17 38 30.55	-0.005	15	0.35	49.093	18	33.3	30.48	16	33.3	K0 J	12A	4996	A -17 3775
44		9.3A	5 49.632	-0.0036	18	-17 10 24.10	-0.024	13	0.32	49.691	18	33.3	23.70	16	33.3	K0 J	12A	4997	A -16 3604
45		7.6A	5 50.329	-0.0002	15	-11 29 42.31	-0.076	17	0.31	50.333	18	33.3	41.05	16	33.3	K2 J	11	4707	A -10 3615
46		8.8A	5 52.692	0.0006	21	-15 3 34.61	0.012	15	0.35	52.681	18	33.3	34.81	16	33.3	K5 J	12A	4998	A -14 3650
47		8.9A	6 0.443	-0.0022	22	-15 54 7.61	-0.010	17	0.37	0.480	18	33.3	7.45	16	33.3	K5 J	12A	4999	A -15 3600
48		9.2A	6 2.824	-0.0014	21	-15 5 7.77	0.007	15	0.35	2.847	18	33.3	7.89	16	33.3	K5 J	12A	5000	A -14 3651
49		8.0Q	6 19.434	-0.0020	12	-13 10 28.21	0.008	09	0.52	19.521	18	05.7	28.61	19	01.4	K0	GC	17812	-12 3762
50		8.9A	6 23.527	-0.0010	15	-12 17 55.29	-0.009	17	0.31	23.544	18	33.3	55.14	16	33.3	K5 J	11	4709	A -11 3448
51		9.1A	13 6 23.953	-0.0026	15	-11 40 23.65	-0.024	15	0.30	23.996	18	33.3	23.25	16	33.3	K2 J	11	4710	A -11 3447
52		8.6A	6 24.824	-0.0045	18	-17 24 36.47	0.007	13	0.32	24.899	18	33.3	36.59	16	33.3	F8 J	12A	5001	A -16 3605
53		9.0A	6 28.587	-0.0010	21	-16 29 3.06	-0.019	15	0.35	28.605	18	33.3	2.75	16	33.3	K0 J	12A	5002	A -15 3605
54		9.0A	6 29.343	-0.0037	18	-19 28 30.08	-0.036	13	0.31	29.404	18	33.3	29.48	16	33.3	G0 J	12B	5637	A -18 3546
55		8.8A	6 42.036	0.0006	15	-14 6 16.47	-0.004	17	0.31	42.026	18	33.3	16.41	16	33.3	K5 J	11	4711	A -13 3661
56		8.8A	6 47.131	0.0043	21	-16 57 57.90	-0.076	15	0.35	47.060	18	33.3	56.63	16	33.3	K0 J	12A	5003	A -16 3607
57		7.7A	6 49.424	-0.0010	17	-19 51 25.82	0.002	13	0.30	49.442	18	33.3	25.86	16	33.3	A0 J	12B	5641	A -19 3641
58		8.9A	6 49.512	0.0009	15	-10 53 1.67	0.011	17	0.31	49.498	18	33.3	1.86	16	33.3	K5 J	11	4712	A -10 3621
59		6.7T	7 2.935	-0.0031	09	-16 14 57.08	-0.007	09	0.57	3.109	22	93.1	56.67	19	90.5	A2	GC	17820	-15 3608
60		6.2T	7 8.029	-0.0008	03	-10 3 47.22	-0.018	03	0.18	8.068	07	98.2	46.26	07	96.3	K2	GC	17822	B* -9 3636
61		9.4A	7 11.803	-0.0020	17	-19 59 23.39	-0.032	13	0.30	11.837	18	33.3	22.86	16	33.3	F8 J	12B	5643	A -19 3642
62		9.0A	7 28.277	-0.0030	18	-18 38 0.33	-0.030	13	0.32	28.328	18	33.3	59.82	16	33.3	K2 J	12B	5647	A -18 3547
63		8.6A	7 34.820	-0.0020	15	-12 49 32.62	-0.005	17	0.31	34.852	18	33.3	32.54	16	33.3	K0 J	11	4713	A -12 3767
64		9.3A	7 39.656	-0.0022	18	-18 13 47.54	-0.034	13	0.32	39.693	18	33.3	46.97	16	33.3	G0 J	12A	5006	A -17 3783
65		8.6A	7 41.562	-0.0019	21	-15 5 31.38	-0.004	15	0.35	41.594	18	33.3	31.32	16	33.3	K5 J	12A	5007	A -14 3657
66		9.0A	7 50.740	-0.0029	18	-19 28 40.93	-0.052	15	0.33	50.787	18	33.3	40.06	16	33.3	F8 J	12B	5649	A -18 3548
67		8.6A	7 54.044	-0.0021	21	-15 44 18.23	-0.008	15	0.35	54.079	18	33.3	18.10	16	33.3	A5 J	12A	5008	A -15 3609
68		8.4A	7 54.355	-0.0037	12	-10 32 55.43	-0.053	12	0.25	54.417	16	33.4	54.55	16	33.4	K0	16	4734	A -10 3624
69		9.6A	7 57.106	-0.0049	21	-17 37 55.41	-0.012	15	0.35	57.189	18	33.3	55.22	16	33.3	K0 J	12A	5009	A -17 3784
70		9.1A	8 17.735	-0.0010	15	-19 13 49.50	0.013	11	0.27	17.752	18	33.3	49.71	16	33.3	G5 J	12B	5651	A -18 3552
71		9.1A	8 20.252	-0.0006	17	-12 28 7.78	-0.002	18	0.34	20.262	18	33.3	7.75	16	33.3	G0 J	11	4715	A -11 3452
72		7.0T	8 25.416	-0.0026	18	-16 49 24.97	-0.022	17	0.89	25.539	26	02.1	23.89	24	00.3	F0	GC	17847	-16 3612
73		8.7A	8 28.601	-0.0028	13	-18 32 9.96	-0.036	09	0.26	28.648	18	33.3	10.55	16	33.3	K2 J	12B	5653	A -18 3553
74		9.1A	8 33.570	0.0028	21	-16 53 8.04	-0.070	15	0.35	33.623	18	33.3	6.87	16	33.3	G5 J	12A	5012	A -16 3613
75		8.0A	8 35.666	-0.0035	17	-13 58 35.98	-0.012	18	0.34	35.724	18	33.3	35.78	16	33.3	K0 J	11	4716	A -13 3663
76		8.6A	8 39.862	-0.0029	15	-10 50 24.87	-0.009	17	0.31	39.910	18	33.3	24.73	16	33.3	F5 J	11	4717	A -10 3625
77		8.3A	8 40.544	-0.0004	18	-11 39 42.98	-0.053	20	0.36	40.551	18	33.3	42.10	16	33.3	K0 J	11	4718	A -11 3453
78		7.0T	8 43.383	-0.0038	22	-13 41 48.91	-0.083	20	0.96	43.555	10	04.8	45.19	12	05.0	K0	GC	17855	-13 3665
79		8.4A	8 43.530	-0.0044	12	-10 14 55.09	0.015	12	0.25	43.604	16	33.4	55.34	16	33.4	MB	16	4740	A -9 3641
80		9.3A	8 50.183	0.0005	18	-19 2 23.29	0.015	13	0.32	50.174	18	33.3	23.54	16	33.3	K0 J	12B	5654	A -18 3554
81		8.4A	8 50.432	0.0047	18	-12 44 3.91	-0.066	20	0.36	50.354	18	33.3	2.81	16	33.3	F8 J	11	4721	A -12 3772
82		9.5A	8 50.470	-0.0062	18	-10 41 0.68	-0.038	20	0.36	50.573	18	33.3	0.05	16	33.3		11	4722	A -10 3626
83		9.0A	8 55.174	-0.0013	18	-12 22 24.69	0.015	20	0.36	55.195	18	33.3	24.94	16	33.3	K7 J	11	4723	A -11 3454
84		9.2A	8 59.777	-0.0026	18	-17 34 8.68	-0.002	13	0.32	59.820	18	33.3	8.66	16	33.3	F5 J	12A	5013	A -17 3786
85		7.0T	9 3.090	-0.0027	20	-10 57 23.01	-0.021	16	0.85	3.208	26	05.6	22.02	24	02.8	K0	GC	17863	-10 3627
86		8.6A	9 13.144	-0.0007	18	-16 14 54.20	0.006	13	0.32	13.156	18	33.3	54.30	16	33.3	K5 J	12A	5014	A -15 3611
87		8.0A	9 20.191	-0.0025	18	-13 19 19.33	-0.001	20	0.36	20.233	18	33.3	19.32	16	33.3	F0 J	11	4725	A -12 3775
88		5.1T	9 23.596	0.0065	02	-15 55 45.72	-0.292	02	0.15	23.230	06	94.1	28.85	06	92.2	F2	GC	17870	B*-15 3613
89		8.3A	9 23.678	-0.0017	18	-12 8 14.07	-0.009	20	0.36	23.706	18	33.3	13.92	16	33.3	G5 J	11	4726	A -11 3457
90		9.3A	9 32.582	0.0001	21	-15 35 41.61	-0.021	15	0.35	32.580	18	33.3	41.26	16	33.3	K5 J	12A	5016	A -15 3615
91		8.9A	9 47.950	-0.0025	17	-10 45 0.03	0.073	18	0.34	47.993	18	33.3	1.25	16	33.3	K5 J	11	4727	A -10 3629
92		9.3A	10 1.647	-0.0032	13	-19 10 48.57	-0.000	09	0.26	1.700	18	33.3	48.56	16	33.3	F5 J	12B	5658	A -18 3559
93		9.0A	10 2.874	-0.0023	17	-11 11 47.34	0.002	18	0.34	2.913	18	33.3	47.38	16	33.3	F8 J	11	4728	A -10 3631
94		8.7A	10 3.499	-0.0038	18	-11 18 59.18	0.024	20	0.36	3.563	18	33.3	59.59	16	33.3	K0 J	11	4729	A -10 3630
95		9.2A	10 8.889	0.0020	15	-18 41 51.95	-0.073	11	0.27	8.856	18	33.3	50.73	16	33.3	F8 J	12B	5659	A -18 3560
96		9.3A	10 35.580	0.0007	18	-19 29 20.10	0.006	13	0.32	35.569	18	33.3	20.20	16	33.3	K0 J	12B	5661	A -18 3561
97		7.5T	10 42.956	-0.0105	10	-13 12 20.77	-0.056	08	0.46	43.445	18	03.4	17.94	17	99.4	F5	GC	17900	-12 3779
98		6.8Q	10 46.153	-0.0016	04	-18 33 42.09	-0.022	05	0.32	46.254	14	88.4	40.71	14	87.8	A0	GC	17902K	B*-18 3562
99		7.3Q	10 46.352	-0.0020	07	-18 33 36.70	-0.015	09	0.43	46.455	15	99.8	35.97	17	01.4		GC	17903K	-18 3562
00		9.4A	10 50.970	-0.0062	17	-11 57 36.05	0.035	18	0.34	51.074	18	33.3	36.64	16	33.3	G0 J	11	4731	A -11 3462

157800

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	EPOCH 1950 μ s	EPOCH 1950 σ_μ ″.001	EPOCH 1950 δ_{1950} ° ′ ″	EPOCH 1950 μ' ″	EPOCH 1950 $\sigma_{\mu'}$ ″.001	EPOCH 1950 σ_{1950} ″	ORIGINAL EPOCH α_2 s	ORIGINAL EPOCH σ ″.01	ORIGINAL EPOCH ep.	ORIGINAL EPOCH δ_2 ″	ORIGINAL EPOCH σ' ″.01	ORIGINAL EPOCH ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	-10° 13H DM NUMBER
1		8.7A	13 11 2.444	-0.0004	21	-15 8 6.75	-0.020	15	0.35	2.451	18	33.3	6.42	16	33.3	K5 J	12A	5020	A -14 3668
2		9.0A	11 3.944	-0.0008	15	-19 57 35.59	-0.005	11	0.27	3.958	18	33.3	35.51	16	33.3	K0 J	12B	5665	A -19 3649
3		8.7A	11 14.110	-0.0035	15	-11 17 22.07	-0.004	17	0.31	14.169	18	33.3	22.01	16	33.3	F2 J	11	4732	A -10 3633
4		9.1A	11 23.893	-0.0164	18	-17 9 39.21	-0.101	13	0.32	24.167	18	33.3	37.53	16	33.3	G0 J	12A	5021	A -16 3620
5		8.2A	11 29.018	0.0089	17	-16 17 32.03	-0.134	13	0.30	28.870	18	33.3	29.80	16	33.3	K0 J	12A	5022	A -15 3621
6		5.6T	11 30.040	-0.0088	04	-19 40 7.08	0.162	04	0.22	30.479	12	99.8	15.84	10	96.0	G5	GC	17918	B* -19 3651
7		8.1A	11 30.656	-0.0080	13	-14 1 3.80	-0.010	15	0.29	30.790	18	33.3	3.64	16	33.3	G0 J	11	4734	A -13 3671
8		9.2A	11 57.422	0.0019	22	-17 29 15.10	-0.030	13	0.35	57.390	18	33.3	14.60	16	33.3	F8 J	12A	5023	A -16 3624
9		9.6A	12 7.261	-0.0037	13	-10 46 59.99	-0.039	15	0.29	7.343	18	33.3	59.35	16	33.3	K J	11	4735	A -10 3634
10		9.4A	12 7.437	-0.0036	21	-16 15 31.72	-0.042	15	0.35	7.497	18	33.3	31.02	16	33.3	G5 J	12A	5024	A -15 3622
11		7.2T	12 7.590	-0.0023	04	-10 6 20.17	-0.054	04	0.22	7.691	10	05.2	17.50	10	00.5	K5	GC	17935	B* -9 3646
12		8.6A	12 9.412	-0.0007	21	-14 45 14.50	0.021	15	0.35	9.424	18	33.3	14.85	16	33.3	K0 J	12A	5025	A -14 3671
13		8.7A	12 15.709	0.0003	12	-10 10 5.67	-0.031	12	0.25	15.704	16	33.4	5.16	16	33.4	F0	16	4753	A -9 3648
14		8.9A	12 16.769	-0.0026	13	-18 46 13.72	0.005	09	0.26	16.813	18	33.3	13.80	16	33.3	K5 J	12B	5670	A -18 3564
15		6.9T	12 18.503	-0.0140	04	-11 6 3.63	-0.319	03	0.20	19.178	07	01.6	-46.85	07	97.4	G0	GC	17937	B* -10 3635
16		7.8T	12 22.947	0.0001	06	-11 5 3.08	-0.005	07	0.39	22.939	12	95.4	2.79	14	92.1	K0	GC	17939	B* -10 3636
17		8.8A	12 32.307	-0.0020	15	-18 56 23.07	-0.067	11	0.27	32.341	18	33.3	21.94	16	33.3	G5 J	12B	5672	A -18 3565
18		9.1A	12 40.468	-0.0068	21	-17 12 25.59	-0.038	15	0.35	40.582	18	33.3	24.96	16	33.3	A2 J	12A	5027	A -16 3627
19		8.9A	12 57.631	0.0011	15	-10 44 13.79	-0.054	17	0.31	57.612	18	33.3	12.89	16	33.3	G5 J	11	4738	A -10 3638
20		9.0A	12 58.353	-0.0028	21	-14 43 8.38	-0.006	15	0.35	58.400	18	33.3	8.28	16	33.3	F5 J	12A	5028	A -14 3674
21		8.9A	13 0.244	-0.0045	21	-16 0 39.92	-0.020	15	0.35	0.319	18	33.3	39.59	16	33.3	K0 J	12A	5029	A -15 3628
22		7.4T	13 15.568	0.0018	20	-12 5 11.38	-0.062	20	0.82	15.494	18	09.6	8.82	18	08.7	K2	GC	17950	-11 3469
23		5.3T	13 16.230	0.0215	03	-19 40 39.95	-0.121	04	0.21	15.032	09	94.4	33.26	09	94.6	K0	GC	17951	B* -19 3653
24		8.4A	13 18.754	-0.0092	13	-10 58 34.29	-0.025	15	0.29	18.907	18	33.3	33.68	16	33.3	G5 J	11	4740	A -10 3641
25		9.4A	13 28.335	-0.0006	12	-10 21 23.13	-0.010	12	0.25	28.346	16	33.4	22.96	16	33.4	F0	16	4757	A -9 3651
26		8.3A	13 34.994	-0.0016	15	-12 21 25.69	-0.016	15	0.30	35.021	18	33.3	25.43	16	33.3	K2 J	11	4742	A -11 3470
27		9.7A	13 35.830	-0.0080	21	-16 24 16.43	-0.002	15	0.35	35.964	18	33.3	16.40	16	33.3	G0 J	12A	5030	A -15 3629
28		8.6A	13 36.254	-0.0014	11	-10 19 46.36	0.004	11	0.24	36.277	16	33.4	46.43	16	33.4	K2	16	4758	A -9 3652
29		9.0A	13 58.101	0.0001	21	-16 30 3.70	0.004	15	0.35	58.099	18	33.3	3.77	16	33.3	K2 J	12A	5031	A -15 3633
30		8.5A	14 12.972	0.0000	13	-11 30 25.30	-0.030	15	0.29	12.971	18	33.3	24.81	16	33.3	F2 J	11	4744	A -11 3473
31		7.7T	14 19.859	-0.0021	10	-12 53 43.33	-0.018	08	0.43	19.955	10	03.5	42.47	10	02.1	K2	GC	17979	-12 3785
32		9.2A	14 25.918	-0.0023	21	-15 27 1.05	0.002	15	0.35	25.956	18	33.3	1.09	16	33.3	A2 J	12A	5033	A -14 3679
33		9.2A	14 26.226	-0.0009	21	-17 38 21.37	-0.005	15	0.35	26.241	18	33.3	21.30	16	33.3	F5 J	12A	5032	A -17 3808
34		7.9A	14 34.019	-0.0071	15	-12 15 42.33	-0.055	17	0.31	34.138	18	33.3	41.42	16	33.3	F5 J	11	4746	A -11 3476
35		8.9A	14 40.698	-0.0066	18	-15 0 35.62	-0.016	13	0.32	40.807	18	33.3	35.35	16	33.3	F2 J	12A	5034	A -14 3681
36		6.7T	14 44.061	-0.0046	12	-11 13 13.02	0.016	11	0.61	44.294	15	98.9	13.87	14	97.2	A2	GC	17986	-10 3644
37		7.2T	14 49.849	-0.0057	03	-10 17 0.19	0.009	03	0.18	50.153	07	96.3	0.70	07	93.7	F0	GC	17990	B* -9 3654
38		6.7T	14 52.058	-0.0033	07	-15 17 2.58	-0.067	06	0.36	52.224	09	00.2	-58.92	12	95.3	K0	GC	17992	B* -14 3683
39		8.8A	15 17.236	-0.0031	15	-13 48 31.84	0.002	17	0.31	17.288	18	33.3	31.88	16	33.3	G5 J	11	4748	A -13 3682
40		9.2A	15 21.022	-0.0035	21	-16 34 34.49	0.024	15	0.35	21.080	18	33.3	34.89	16	33.3	K0 J	12A	5036	A -16 3633
41		9.2A	15 27.587	-0.0096	21	-18 3 39.86	-0.105	15	0.35	27.747	18	33.3	38.12	16	33.3	G0 J	12A	5037	A -17 3811
42		8.8A	15 30.269	-0.0068	15	-11 50 35.86	0.196	17	0.31	30.382	18	33.3	39.14	16	33.3	G0 J	11	4750	A -11 3482
43		9.0A	15 30.830	-0.0027	15	-13 42 57.52	-0.033	15	0.30	30.874	18	33.3	56.97	16	33.3	K0 J	11	4749	A -13 3684
44		4.8H	15 47.057	-0.0754	01	-18 2 1.31	-1.072	01	0.06	49.845	03	13.0	-20.62	03	12.0	G5	F4	1345	-17 3813
45		8.6A	15 49.170	-0.0042	22	-14 41 36.85	0.004	13	0.35	49.241	18	33.3	36.92	16	33.3	K2 J	12A	5038	A -14 3688
46		8.0A	16 4.715	0.0012	21	-16 52 15.85	0.003	15	0.35	4.695	18	33.3	15.90	16	33.3	G0 J	12A	5040	A -16 3635
47		8.8A	16 10.929	-0.0058	15	-12 55 55.63	-0.030	17	0.31	11.026	18	33.3	55.13	16	33.3	K0 J	11	4751	A -12 3789
48		7.2A	16 11.635	-0.0032	13	-11 45 9.85	-0.005	15	0.29	11.688	18	33.3	9.77	16	33.3	A0 J	11	4752	A -11 3486
49		7.2T	16 20.202	-0.0077	10	-12 23 7.19	-0.002	08	0.53	20.586	24	99.9	7.09	21	96.9	F0	GC	18017	-11 3487
50		8.5A	16 22.877	0.0022	15	-19 44 26.87	0.005	11	0.27	22.841	18	33.3	26.96	16	33.3	A0 J	12B	5691	A -19 3664
51		8.9A	13 16 25.350	-0.0019	17	-11 43 12.91	0.010	18	0.34	25.381	18	33.3	13.08	16	33.3	F8 J	11	4754	A -11 3488
52		8.9A	16 31.228	-0.0025	15	-12 10 38.73	0.027	17	0.31	31.270	18	33.3	39.18	16	33.3	K0 J	11	4755	A -11 3489
53		8.9A	16 34.630	-0.0012	22	-14 28 45.78	-0.001	13	0.35	34.651	18	33.3	45.77	16	33.3	F0 J	12A	5041	A -13 3688
54		8.9A	16 37.612	0.0005	18	-15 18 15.19	-0.012	13	0.32	37.604	18	33.3	14.99	16	33.3	G5 J	12A	5042	A -14 3690
55		8.7Q	16 48.554	-0.0051	09	-10 53 10.42	-0.008	07	0.42	48.796	18	02.0	10.01	17	98.2	F5	GC	18024	-10 3651
56		9.1A	16 52.531	-0.0006	15	-12 36 29.10	0.030	17	0.31	52.541	18	33.3	29.60	16	33.3	K5 J	11	4758	A -12 3793
57		9.4A	16 52.738	-0.0007	21	-18 16 8.85	-0.022	15	0.35	52.750	18	33.3	8.48	16	33.3	G5 J	12A	5043	A -17 3819
58		8.1Q	16 58.488	-0.0033	10	-12 13 17.20	-0.005	09	0.48	58.640	18	03.4	16.96	18	01.3	K5	GC	18025	-11 3490
59		9.2A	16 59.266	-0.0066	21	-18 15 46.84	-0.039	15	0.35	59.376	18	33.3	46.18	16	33.3	G5 J	12A	5044	A -17 3820
60		7.1T	17 5.851	-0.0027	08	-11 24 37.86	-0.027	06	0.35	5.976	09	02.9	36.50	10	99.6	A2	GC	18027K	-10 3652
61		9.0A	17 9.004	-0.0020	21	-16 41 7.56	-0.032	15	0.35	9.038	18	33.3	7.03	16	33.3	G0 J	12A	5045	A -16 3638
62		9.1A	17 13.891	-0.0083	13	-18 32 27.81	-0.021	09	0.26	14.030	18	33.3	27.45	16	33.3	G5 J	12B	5695	A -18 3581
63		8.8A	17 21.714	-0.0058	17	-12 12 26.58	0.019	18	0.34	21.810	18	33.3	26.90	16	33.3	G5 J	11	4761	A -11 3492
64		9.0A	17 25.150	-0.0035	21	-15 11 12.36	0.053	15	0.35	25.208	18	33.3	13.25	16	33.3	K2 J	12A	5047	A -14 3694
65		9.2A	17 28.415	-0.0013	21	-14 39 47.83	-0.055	15	0.35	28.437	18	33.3	46.92	16	33.3	G5 J	12A	5048	A -14 3695
66		9.0A	17 34.044	-0.0018	18	-15 57 44.32	0.016	13	0.31	34.074	18	33.3	44.59	16	33.3	K5 J	12A	5049	A -15 3643
67		8.8A	17 38.711	-0.0038	15	-12 55 54.93	0.021	17	0.31	38.774	18	33.3	55.28	16	33.3	K0 J	11	4763	A -12 3795
68		9.0A	17 40.802	-0.0046	21	-17 54 34.51	0.008	15	0.35	40.879	18	33.3	34.65	16	33.3	F8 J	12A	5050	A -17 3823
69		6.8T	17 42.169	-0.0085	03	-11 2 31.04	-0.015	03	0.21	42.613	10	97.5	30.22	10	95.3	K0	GC	18037	B* -10 3655
70		8.7A	17 45.706	-0.0004	22	-16 26 28.10	-0.011	17	0.37	45.713	18	33.3	27.92	16	33.3	K2 J	12A	5051	A -15 3644
71		9.3A	17 47.273	-0.0019	18	-12 6 15.15	-0.010	20	0.36	47.306	18	33.3	14.99	16	33.3	F5 J	11	4765	A -11 3493
72		9.5A	17 50.027	0.0008	15	-12 33 29.03	-0.013	17	0.31	50.013	18	33.3	28.81	16	33.3	K J	11	4766	A -12 3796
73		8.4A	17 55.376	-0.0009	21	-18 9 43.92	-0.041	15	0.35	55.391	18	33.3	43.25	16	33.3	K0 J	12A	5052	A -17 3826
74		8.2A	17 59.441	0.0007	21	-14 30 37.38	-0.030	15	0.35	59.430	18	33.3	36.89	16	33.3	G5 J	12A	5053	A -14 3698
75		9.0A	18 0.709	0.0005	21	-16 7 43.30	-0.022	15	0.35	0.701	18	33.3	42.94	16	33.3	K5 J	12A	5054	A -15 3647
76		8.6A	18 6.984	-0.0012	15	-11 11 18.78	-0.021	17	0.31	7.004	18	33.3	18.43	16	33.3	M1 J	11	4768	A -10 3656
77		9.0A	18 43.193	-0.0014	21	-15 42 10.65	-0.085	15	0.35	43.217	18	33.3	9.24	16	33.3	G5 J	12A	5055	A -15 3652
78		9.0A	18 45.802	-0.0066	15	-14 13 15.51	-0.060	15	0.30	45.912	18	33.3	14.51	16	33.3	F8 J	11	4769	A -13 3689
79		6.2T	18 48.274	-0.0048	10	-19 13 38.89	0.003	07	0.52	48.540	19	95.0	39.06	17	91.6	A0	GC	18066	-18 3587
80		9.1A	18 50.367	-0.0018	12	-10 11 59.05	-0.034	12	0.25	50.397	16	33.4	58.49	16	33.4	K2	16	4781	A -9 3670
81		8.1Q	18 57.136	-0.0032	07	-11 29 7.02	-0.012	07	0.40	57.296	17	99.4	6.39	17	96.9	K2	GC	18071	-10 3660
82		7.0T	19 4.971	-0.0036	14	-18 28 49.25	-0.002	12	0.65	5.147	18	03.0	49.13	15	00.9	F0	GC	18075	-17 3829
83		9.2A	19 11.172	-0.0047	21	-15 38 22.22	-0.001	15	0.35	11.250	18	33.3	22.20	16	33.3	G5 J	12A	5057	A -15 3653
84		9.2A	19 22.917	-0.0021	21	-17 40 3.89	-0.004	15	0.35	22.953	18	33.3	3.84	16	33.3	K2 J	12A	5058	A -17 3831
85		7.0T	19 26.737	-0.0001	11	-14 9 29.34	-0.060	10	0.50	26.742	09	02.5	26.52	10	02.8	K2	GC	18088	-13 3692
86		7.1T	19 29.342	-0.0004	05	-12 19 5.66	-0.014	05	0.25	29.358	07	05.1	5.01	07	03.4	K5	GC	18089	B* -11 3498
87		9.2A	19 32.226	-0.0025	21	-15 54 20.50	0.021	15	0.35	32.269	18	33.3	20.85	16	33.3	F5 J	12A	5059	A -15 3655
88		9.5A	19 36.540	0.0068	15	-11 21 40.88	-0.131	17	0.31	36.426	18	33.3	38.70	16	33.3	K2 J	11	4773	A -10 3663
89		9.1A	19 37.539	0.0049	13	-11 21 41.86	-0.054	15	0.29	37.457	18	33.3	40.96	16	33.3	K2 J	11	4774	A -10 3663
90		9.2A	19 50.429	-0.0021	22	-16 53 3.30	-0.005	13	0.35	50.464	18	33.3	3.22	16	33.3	K0 J	12A	5060	A -16 3646
91		8.8A	19 55.755	0.0023	15	-19 52 32.38	-0.035	11	0.27	55.717	18	33.3	31.80	16	33.3	G5 J	12B	5708	A -19 3674
92		8.2Q	20 2.879	-0.0122	12	-17 46 9.81	-0.044	08	0.51	3.436	19	04.5	7.63	17	99.9	G0	GC	18100	-17 3833
93		9.4A	20 3.115	0.0021	15	-19 12 28.95	0.029	11	0.27	3.081	18	33.3	29.43	16	33.3	K2 J	12B	5709	A -18 3592
94		9.3A	20 3.261	-0.0019	21	-17 48 16.27	-0.004	15	0.35	3.294	18	33.3	16.22	16	33.3	F0 J	12A	5061	A -17 3834
95		7.5T	20 6.512	-0.0027	09	-12 55 31.98	-0.005	06	0.41	6.636	21	03.7	31.71	19	94.1	A2	GC	18102K	-12 3802
96		9.1A	20 11.259	-0.0027	21	-18 2 4.79	-0.026	15	0.35	11.305	18	33.3	4.37	16	33.3	F5 J	12A	5063	A -17 3836
97		8.9A	20 13.798	-0.0042	21	-17 56 24.24	-0.014	15	0.35	13.868	18	33.3	24.01	16	33.3	F0 J	12A	5064	A -17 3837
98		9.4A	20 19.750	-0.0057	21	-15 28 58.57	-0.006	15	0.35	19.844	18	33.3	58.47	16	33.3	M1 J	12A	5066	A -14 3707
99		5.5T	20 20.138	-0.0035	03	-17 28 26.35	-0.034	04	0.18	20.284	09	07.7	24.92	09	07.7	K0	GC	18104	B* -16 3650
00		8.8A	20 23.448	-0.0001	12	-10 26 12.58	0.002	12	0.25	23.450	16	33.4	12.62	16	33.4	K0	16	4788	A -9 3675

157900

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ s	σ_μ .001	δ_{1950} ° ′ ″	μ' ″	σ'_μ .001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ .01	ep.	δ_2 ″	σ' .01	ep.	SP.	SOURCE CAT.	STAR NUMBER	-10° 13H DM NUMBER
1		9.1A	13 20 24.094	0.0020	21	-17 35 28.70	-0.090	15	0.35	24.060	18	33.3	27.21	16	33.3	G0 J	12A	5067	A -17 3839
2		9.0A	20 25.803	-0.0046	17	-18 56 25.11	0.001	13	0.30	25.880	18	33.3	25.12	16	33.3	G5 J	12B	5711	A -18 3596
3		8.8A	20 26.610	0.0008	21	-15 40 1.54	-0.014	15	0.35	26.597	18	33.3	1.31	16	33.3	K5 J	12A	5068	A -15 3656
4		8.1A	20 29.761	-0.0006	21	-15 9 12.50	-0.010	15	0.35	29.770	18	33.3	12.34	16	33.3	K5 J	12A	5069	A -14 3708
5		7.8T	20 35.137	0.0061	10	-14 39 53.40	-0.115	07	0.46	34.869	19	06.0	47.40	18	97.8	F8	GC	18106K	B*-14 3709
6		9.0A	20 38.768	-0.0019	12	-10 5 15.01	0.007	12	0.25	38.800	16	33.4	15.13	16	33.4	G5	16	4789	A -9 3676
7		9.0A	20 49.220	0.0013	15	-13 24 7.86	-0.024	17	0.31	49.199	18	33.3	7.46	16	33.3	G0 J	11	4779	A -12 3807
8		8.3A	21 0.951	0.0028	21	-14 51 22.62	-0.049	15	0.35	0.904	18	33.3	21.81	16	33.3	G0 J	12A	5072	A -14 3713
9		8.2A	21 0.978	-0.0017	15	-13 23 17.06	0.007	17	0.31	1.006	18	33.3	17.18	16	33.3	K2 J	11	4780	A -12 3808
10		8.9A	21 3.151	0.0015	22	-16 44 45.67	-0.020	13	0.35	3.126	18	33.3	45.34	16	33.3	K5 J	12A	5073	A -16 3651
11		8.7A	21 8.578	-0.0046	21	-17 59 33.07	-0.029	15	0.35	8.655	18	33.3	32.59	16	33.3	F5 J	12A	5074	A -17 3841
12		8.1T	21 18.411	-0.0041	08	-10 36 37.13	-0.040	07	0.41	18.618	17	99.2	35.03	17	97.5	F0	GC	18122	-10 3670
13		9.2A	21 25.028	-0.0023	22	-16 52 16.84	-0.027	13	0.34	25.066	18	33.3	16.39	16	33.3	K7 J	12A	5075	A -16 3652
14		8.5A	21 25.932	-0.0064	17	-13 37 37.63	-0.008	18	0.34	26.040	18	33.3	37.50	16	33.3	F5 J	11	4782	A -13 3697
15		8.9A	21 33.742	-0.0028	21	-14 56 15.73	0.004	15	0.35	33.789	18	33.3	15.80	16	33.3	K2 J	12A	5076	A -14 3714
16		9.2A	21 39.171	0.0009	21	-18 7 48.24	-0.002	15	0.35	39.157	18	33.3	48.19	16	33.3	F8 J	12A	5077	A -17 3843
17		8.6A	21 41.602	-0.0003	15	-13 50 25.38	-0.026	17	0.31	41.607	18	33.3	24.95	16	33.3	F5 J	11	4783	A -13 3699
18		8.9A	21 47.228	-0.0033	12	-10 10 41.45	0.013	11	0.24	47.284	16	33.4	41.67	16	33.4	G0	16	4794	A -9 3683
19		9.2A	22 12.732	-0.0020	12	-10 9 50.51	-0.022	12	0.25	12.765	16	33.4	50.15	16	33.4	F5	16	4795	A -9 3685
20		8.1A	22 23.486	-0.0042	22	-15 22 19.57	0.002	13	0.35	23.555	18	33.3	19.60	16	33.3	A2 J	12A	5078K	A -14 3717
21		9.2A	22 28.354	-0.0071	21	-15 55 15.84	0.037	15	0.35	28.472	18	33.3	16.46	16	33.3	K0 J	12A	5079	A -15 3660
22		8.3A	22 31.625	-0.0049	15	-13 3 24.02	-0.013	17	0.31	31.707	18	33.3	23.81	16	33.3	K2 J	11	4784	A -12 3812
23		1.2H	22 33.301	-0.0029	01	-10 54 3.36	-0.033	01	0.03	33.425	02	07.4	1.77	02	02.3	B2	F4	498	-10 3672
24		9.1A	22 38.378	-0.0044	21	-16 21 7.33	-0.024	15	0.35	38.451	18	33.3	6.93	16	33.3	G5 J	12A	5080	A -15 3661
25		8.4A	22 49.753	-0.0013	17	-19 55 5.68	0.021	13	0.30	49.775	18	33.3	6.03	16	33.3	F8 J	12B	5720	A -19 3681
26		9.6A	22 55.032	-0.0013	21	-16 19 38.44	0.012	15	0.35	55.054	18	33.3	38.64	16	33.3	K0 J	12A	5081	A -15 3662
27		9.0A	22 56.073	-0.0013	21	-18 19 34.67	0.002	15	0.35	56.095	18	33.3	34.71	16	33.3	K5 J	12A	5082	A -17 3844
28		8.8A	22 59.671	-0.0019	15	-12 13 34.31	-0.011	17	0.31	59.703	18	33.3	34.13	16	33.3	F8 J	11	4786	A -11 3507
29		9.0A	23 7.826	-0.0018	13	-18 50 51.39	0.026	09	0.26	7.856	18	33.3	51.82	16	33.3	K2 J	12B	5722	A -18 3603
30		7.5A	23 12.933	-0.0027	18	-19 33 22.19	-0.032	13	0.32	12.979	18	33.3	21.66	16	33.3	K5 J	12B	5724	A -19 3682
31		8.7A	23 24.122	-0.0088	12	-10 16 33.38	0.093	12	0.25	24.268	16	33.4	34.93	16	33.4	G5	16	4801	A -9 3689
32		6.6T	23 25.157	0.0015	09	-16 35 58.90	0.049	07	0.47	25.080	18	99.8	+ 1.60	17	95.3	K2	GC	18160	-16 3658
33		9.0A	23 34.024	-0.0048	22	-14 31 59.08	-0.033	17	0.37	34.104	18	33.3	58.53	16	33.3	G5 J	12A	5084	A -14 3721
34		8.5A	23 38.244	-0.0005	21	-16 24 57.66	0.008	15	0.35	38.253	18	33.3	57.79	16	33.3	K2 J	12A	5085	A -15 3664
35		8.8Q	23 42.716	0.0038	17	-12 47 45.88	-0.141	17	0.74	42.556	18	08.2	39.88	18	07.4	F8	GC	18164	-12 3814
36		9.4A	23 59.767	-0.0011	21	-15 50 41.86	0.009	15	0.35	59.785	18	33.3	42.01	16	33.3	A5 J	12A	5086	A -15 3666
37		8.7A	24 2.180	0.0007	18	-12 45 42.02	0.022	20	0.36	2.168	18	33.3	42.39	16	33.3	K0 J	11	4789	A -12 3815
38		5.6H	24 4.412	-0.0092	02	-12 26 53.17	-0.025	01	0.06	4.739	03	14.3	52.29	03	14.9	K2	F4	1348	-11 3516
39		8.8A	24 17.647	-0.0010	11	-10 20 6.54	-0.044	11	0.24	17.663	16	33.4	5.81	16	33.4	G5	16	4803	A -9 3692
40		8.7A	24 21.819	-0.0006	17	-11 4 46.69	-0.009	18	0.34	21.830	18	33.3	46.54	16	33.3	F2 J	11	4792	A -10 3677
41		8.7A	24 24.540	-0.0007	13	-18 25 53.08	-0.012	09	0.26	24.552	18	33.3	52.88	16	33.3	K5 J	12B	5731	A -17 3849
42		7.7A	24 29.359	-0.0049	22	-17 40 9.81	-0.036	13	0.35	29.442	18	33.3	9.22	16	33.3	K0 J	12A	5088	A -17 3850
43		9.0A	24 35.658	-0.0012	17	-16 52 4.30	0.007	15	0.31	35.678	18	33.3	4.42	16	33.3	K2 J	12A	5089	A -16 3666
44		8.4A	24 36.382	-0.0009	15	-13 3 5.59	0.020	15	0.30	36.397	18	33.3	5.92	16	33.3	G5 J	11	4793	A -12 3817
45		9.1A	24 40.174	-0.0017	12	-10 23 57.53	0.024	12	0.25	40.201	16	33.4	57.93	16	33.4	K5	16	4804	A -9 3695
46		4.9T	24 46.868	-0.0085	04	-15 42 53.55	0.019	03	0.18	47.275	07	01.9	54.52	07	99.3	K0	GC	18181	B*-15 3668
47		9.0A	24 49.178	-0.0037	13	-12 42 46.88	0.019	15	0.29	49.239	18	33.3	47.20	16	33.3	K2 J	11	4795	A -12 3818
48		8.9A	24 54.257	-0.0009	22	-17 46 25.45	0.010	13	0.35	54.272	18	33.3	25.62	16	33.3	K0 J	12A	5091	A -17 3851
49		9.0A	25 1.203	-0.0018	17	-13 3 3.65	-0.003	18	0.34	1.232	18	33.3	3.60	16	33.3	K0 J	11	4796	A -12 3820
50		9.6A	25 16.067	-0.0037	15	-16 53 39.57	0.014	13	0.29	16.128	18	33.3	39.81	16	33.3	A5 J	12A	5092	A -16 3667
51		9.3A	13 25 18.315	-0.0004	21	-18 2 40.83	-0.041	15	0.35	18.322	18	33.3	40.15	16	33.3	G0 J	12A	5093	A -17 3853
52		8.8A	25 20.802	-0.0008	17	-13 18 58.14	0.027	18	0.34	20.815	18	33.3	58.59	16	33.3	A2 J	11	4797	A -12 3822
53		9.1A	25 33.137	-0.0040	12	-10 31 5.12	-0.035	12	0.25	33.204	16	33.4	4.54	16	33.4	K0	16	4808	A -10 3680
54		9.0A	25 39.598	-0.0026	18	-10 47 16.00	-0.013	20	0.36	39.642	18	33.3	15.79	16	33.3	K5 J	11	4799	A -10 3681
55		9.2A	25 42.863	-0.0054	13	-18 58 56.80	0.022	09	0.26	42.953	18	33.3	57.16	16	33.3	G0 J	12B	5735	A -18 3609
56		8.8A	25 47.092	-0.0015	17	-12 22 12.97	-0.012	18	0.34	47.116	18	33.3	12.77	16	33.3	A3 J	11	4800	A -11 3523
57		8.9A	25 54.444	-0.0025	18	-16 45 2.50	0.008	13	0.31	54.486	18	33.3	2.64	16	33.3	A3 J	12A	5094	A -16 3668
58		9.1A	25 57.017	0.0000	18	-10 51 15.45	-0.012	20	0.36	57.017	18	33.3	15.25	16	33.3	K2 J	11	4801	A -10 3685
59		8.9A	26 3.872	-0.0025	18	-12 7 31.54	0.306	20	0.36	3.913	18	33.3	31.64	16	33.3	G5 J	11	4802	A -11 3525
60		9.3A	26 6.742	0.0001	21	-17 57 5.65	0.005	15	0.35	6.741	18	33.3	5.72	16	33.3	F8 J	12A	5095	A -17 3857
61		9.0A	26 39.455	-0.0006	12	-10 7 9.33	-0.005	12	0.25	39.466	16	33.4	9.25	16	33.4	A0	16	4811	A -9 3701
62		7.0T	26 46.840	0.0027	05	-18 28 14.23	-0.021	05	0.26	46.710	12	02.7	13.21	12	00.3	K2	GC	18235	B*-17 3862
63		8.4A	26 57.477	-0.0017	12	-10 27 14.02	-0.022	12	0.25	57.506	16	33.4	13.66	16	33.4	F2	16	4813	A -9 3702
64		9.4A	26 59.654	-0.0042	21	-16 18 26.80	0.011	15	0.35	59.725	18	33.3	26.98	16	33.3	G5 J	12A	5097	A -15 3676
65		8.9A	27 10.707	-0.0016	21	-14 49 44.28	0.028	15	0.35	10.734	18	33.3	44.75	16	33.3	K0 J	12A	5098	A -14 3727
66		8.6A	27 16.029	-0.0001	18	-11 14 17.84	-0.035	20	0.36	16.031	18	33.3	17.26	16	33.3	F5 J	11	4804	A -10 3689
67		8.7A	27 18.376	-0.0015	13	-13 44 37.18	0.007	15	0.29	18.401	18	33.3	37.30	16	33.3	K5 J	11	4805	A -13 3716
68		8.9A	27 30.353	-0.0021	15	-18 46 43.19	-0.024	11	0.27	30.388	18	33.3	42.79	16	33.3	K5 J	12B	5743	A -18 3616
69		8.9A	27 37.529	-0.0018	17	-13 5 36.11	0.026	18	0.34	37.558	18	33.3	36.55	16	33.3	G5 J	11	4806	A -12 3825
70		9.0A	27 44.026	0.0030	17	-11 49 25.65	0.004	18	0.34	43.977	18	33.3	25.72	16	33.3	F8 J	11	4807	A -11 3527
71		9.0A	27 46.516	0.0106	18	-14 18 42.69	-0.002	20	0.36	46.340	18	33.3	42.66	16	33.3	G5 J	11	4808	A -13 3717
72		8.3A	28 0.376	-0.0003	21	-15 57 52.92	-0.021	15	0.35	0.381	18	33.3	52.57	16	33.3	K0 J	12A	5099	A -15 3680
73		9.0A	28 1.786	-0.0007	18	-19 7 45.65	0.001	13	0.31	1.798	18	33.3	45.66	16	33.3	K5 J	12B	5747	A -18 3617
74		7.5A	28 12.689	-0.0045	15	-19 18 7.31	-0.017	11	0.27	12.764	18	33.3	7.02	16	33.3	G5 J	12B	5748	A -18 3618
75		8.6A	28 18.496	-0.0048	21	-18 15 33.75	-0.022	15	0.35	18.577	18	33.3	33.38	16	33.3	G0 J	12A	5100	A -17 3872
76		8.5A	28 24.700	-0.0016	21	-16 5 42.48	-0.001	15	0.35	24.727	18	33.3	42.46	16	33.3	A5 J	12A	5101	A -15 3682
77		9.1A	28 31.179	-0.0021	17	-18 49 42.79	0.001	13	0.30	31.214	18	33.3	42.80	16	33.3	K2 J	12B	5750	A -18 3620
78		6.9T	28 33.828	-0.0057	11	-13 11 29.20	0.009	10	0.62	34.148	18	93.7	29.73	15	92.0	F0	GC	18270	-12 3830
79		9.0A	28 35.044	-0.0005	18	-13 59 8.99	-0.056	20	0.36	35.053	18	33.3	8.06	16	33.3	F5 J	11	4810	A -13 3720
80		9.0A	28 47.519	-0.0016	18	-10 47 3.73	0.000	20	0.36	47.546	18	33.3	3.74	16	33.3	G0 J	11	4811	A -10 3695
81		9.4A	28 55.052	-0.0011	21	-15 43 3.28	0.020	15	0.35	55.070	18	33.3	3.61	16	33.3	K0 J	12A	5102	A -15 3683
82		8.7A	28 57.465	0.0017	18	-12 35 2.49	-0.052	20	0.36	57.437	18	33.3	1.63	16	33.3	F8 J	11	4812	A -12 3832
83		8.8A	29 0.115	-0.0048	22	-15 1 13.97	0.000	13	0.35	0.195	18	33.3	13.98	16	33.3	F2 J	12A	5103	A -14 3733
84		8.3A	29 10.366	-0.0052	12	-10 0 5.09	-0.026	12	0.25	10.452	16	33.4	4.66	16	33.4	K2	16	4823	A -9 3706
85		9.6A	29 14.447	-0.0029	21	-15 47 26.19	-0.013	15	0.35	14.495	18	33.3	25.98	16	33.3	K0 J	12A	5104	A -15 3684
86		8.8A	29 17.308	-0.0059	18	-12 7 25.16	0.044	20	0.36	17.406	18	33.3	25.90	16	33.3	G0 J	11	4813	A -11 3532
87		5.9T	29 20.719	-0.0069	03	-18 28 18.39	-0.019	03	0.15	21.038	06	03.5	17.47	06	02.8	A3	GC	18287	B*-17 3877
88		9.2A	29 20.835	-0.0042	21	-17 18 44.77	0.004	15	0.35	20.905	18	33.3	44.84	16	33.3	K5 J	12A	5106	A -16 3682
89		8.5A	29 26.026	-0.0003	18	-10 59 54.43	-0.106	20	0.36	26.031	18	33.3	52.67	16	33.3	G0 J	11	4814	A -10 3699
90		8.8A	29 36.278	-0.0067	21	-16 42 54.98	0.020	15	0.35	36.390	18	33.3	55.32	16	33.3	K0 J	12A	5107	A -16 3684
91		8.7A	29 41.878	-0.0035	18	-19 0 57.54	-0.013	13	0.31	41.937	18	33.3	57.32	16	33.3	K2 J	12B	5756	A -18 3626
92		8.0Q	29 45.348	-0.0040	06	-12 24 23.30	-0.013	05	0.31	45.541	10	01.4	22.60	12	95.7	F0	GC	18293	-11 3535
93		9.0Q	29 48.616	-0.0033	09	-12 24 12.85	0.001	18	0.64	48.764	19	04.8	12.89	21	08.5	F0	GC	18296	-11 3537
94		8.6A	29 53.421	-0.0031	18	-16 17 50.77	0.009	13	0.31	53.473	18	33.3	50.92	16	33.3	F2 J	12A	5108	A -15 3692
95		9.0A	30 2.839	0.0026	18	-13 33 39.10	-0.017	20	0.36	2.797	18	33.3	38.81	16	33.3	F8 J	11	4817	A -13 3722
96		9.0A	30 4.255	-0.0017	21	-17 30 6.96	-0.080	15	0.35	4.283	18	33.3	5.64	16	33.3	F8 J	12A	5109K	A -17 3881
97		8.8A	30 6.432	-0.0078	18	-13 32 40.45	-0.004	20	0.36	8.562	18	33.3	40.38	16	33.3	F8 J	11	4818	A -13 3724
98		5.6T	30 11.071	-0.0053	04	-15 6 23.40	-0.007	03	0.20	11.341	07	98.6	23.01	07	94.6	K0	GC	18305	B*-14 3739
99		8.7A	30 19.581	0.0007	13	-18 59 47.69	0.008	09	0.26	19.569	18	33.3	47.82	16	33.3	K2 J	12B	5758	A -18 3630
00		8.4A	30 22.898	-0.0013	18	-13 15 25.36	-0.011	20	0.36	22.919	18	33.3	25.17	16	33.3	K0 J	11	4819	A -12 3835

158000 — EPOCH 1950 — ORIGINAL EPOCH — SOURCE — -10° 13H

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.		SOURCE CAT.	SOURCE STAR NUMBER	DM NUMBER
1		9.1A	13 30 25.515	-0.0003	18	-14 51 6.66	-0.013	13	0.31	25.520	18	33.3	6.44	16	33.3	M2	J	12A	5111	A -14 3741
2		8.6A	30 26.412	-0.0071	17	-12 56 9.93	-0.038	18	0.34	26.530	18	33.3	9.29	16	33.3	F2	J	11	4820	A -12 3836
3		7.4A	30 28.261	-0.0034	17	-19 44 0.06	-0.023	13	0.30	28.318	18	33.3	-59.68	16	33.3	G5	J	12B	5759	A -19 3696
4		9.3A	30 36.448	0.0011	12	-10 19 12.53	-0.022	12	0.25	36.430	16	33.4	12.16	16	33.4	A3		16	4833	A -9 3712
5		9.0A	30 43.959	-0.0046	13	-13 59 24.75	-0.004	15	0.29	44.036	18	33.3	24.68	16	33.3	K2	J	11	4821	A -13 3726
6		9.2A	30 47.667	-0.0048	21	-18 15 24.89	-0.144	15	0.35	47.746	18	33.3	22.50	16	33.3	A0	J	12A	5112	A -17 3883
7		9.3A	31 10.599	-0.0006	18	-15 24 49.37	-0.015	13	0.31	10.609	18	33.3	49.11	16	33.3	K5	J	12A	5113	A -14 3743
8		8.9A	31 10.749	-0.0024	15	-10 53 58.73	-0.028	17	0.31	10.788	18	33.3	58.26	16	33.3	F8	J	11	4822	A -10 3704
9		8.9A	31 29.141	0.0007	21	-16 7 57.16	-0.057	15	0.35	29.130	18	33.3	56.21	16	33.3	F8	J	12A	5114	A -15 3694
10		9.0A	31 30.026	-0.0038	22	-16 49 4.94	-0.023	13	0.35	30.089	18	33.3	4.56	16	33.3	F5	J	12A	5115	A -16 3696
11		7.9B	31 39.007	-0.0051	07	-11 16 51.15	-0.061	07	0.41	39.274	17	97.3	47.79	15	95.1	F2		GC	18336K	-10 3705
12		9.0A	31 44.193	-0.0025	18	-17 5 42.09	-0.026	13	0.31	44.235	18	33.3	41.65	16	33.3	F5	J	12A	5116	A -16 3697
13		8.6A	31 47.404	-0.0040	15	-12 25 17.22	-0.021	17	0.31	47.472	18	33.3	16.87	16	33.3	G5	J	11	4824	A -11 3745
14		7.4T	31 48.257	-0.0015	11	-15 5 27.48	-0.004	09	0.54	48.321	15	99.9	27.26	14	97.5	A3		GC	18341	-12 3840
15		9.3A	31 49.348	-0.0039	18	-14 40 27.66	0.031	15	0.32	49.412	18	33.3	28.17	16	33.3	K0	J	12A	5117	A -14 3745
16		7.9T	31 50.421	-0.0106	13	-13 10 42.53	-0.038	12	0.64	50.922	22	02.7	40.61	21	99.7	G0		GC	18342	B#-12 3841
17		8.8A	31 53.138	-0.0001	15	-13 11 17.34	0.011	20	0.34	53.140	18	33.3	17.52	16	33.3	K0	J	11	4827	A -12 3842
18		8.9A	31 58.559	-0.0005	21	-16 4 1.76	-0.026	15	0.35	58.567	18	33.3	1.32	16	33.3	K0	J	12A	5118	A -15 3695
19		9.2A	31 59.321	-0.0004	22	-16 29 26.28	-0.018	13	0.35	59.328	18	33.3	25.98	16	33.3	K2	J	12A	5119	A -15 3696
20		9.6A	31 59.832	-0.0054	18	-15 35 2.78	-0.049	13	0.31	59.921	18	33.3	1.96	16	33.3	F8	J	12A	5120	A -15 3697
21		5.8T	32 0.689	-0.0033	05	-12 57 31.06	-0.016	04	0.25	0.860	07	97.9	30.15	07	94.1	A0		GC	18346K	B#-12 3843
22		8.8A	32 12.013	0.0001	12	-10 21 0.39	0.007	12	0.25	12.011	16	33.4	0.51	16	33.4	K0		16	4841	A -9 3719
23		8.9A	32 39.409	-0.0000	12	-10 1 0.97	0.015	12	0.25	39.409	16	33.4	1.22	16	33.4	K0		16	4845	A -9 3721
24		9.3A	32 40.517	-0.0084	17	-16 16 29.67	-0.010	11	0.29	40.657	18	33.3	29.50	16	33.3	G0	J	12A	5121	A -15 3700
25		9.3A	32 46.557	-0.0037	21	-16 35 18.05	0.006	15	0.35	46.618	18	33.3	18.15	16	33.3	F5	J	12A	5122	A -16 3702
26		8.4A	32 49.139	0.0028	21	-16 40 6.33	-0.022	15	0.35	49.093	18	33.3	5.97	16	33.3	F8	J	12A	5123	A -16 3704
27		8.7A	32 50.138	-0.0051	12	-10 38 44.11	-0.005	12	0.25	50.222	16	33.4	44.03	16	33.4	F8		16	4846	A -10 3712
28		9.4A	32 53.344	-0.0021	21	-14 34 29.11	0.041	15	0.35	53.378	18	33.3	29.79	16	33.3	A5	J	12A	5125	A -14 3749
29		8.7A	33 2.289	0.0003	21	-14 43 42.22	0.003	15	0.35	2.284	18	33.3	42.27	16	33.3	K5	J	12A	5126	A -14 3750
30		8.7A	33 3.676	-0.0022	12	-10 4 26.40	0.009	12	0.25	3.712	16	33.4	26.55	16	33.4	K0		16	4847	A -9 3724
31		8.4A	33 7.406	-0.0015	15	-13 13 23.52	0.039	17	0.31	7.430	18	33.3	24.17	16	33.3	G5	J	11	4832	A -12 3848
32		9.2A	33 26.803	-0.0013	21	-14 59 42.72	0.010	15	0.35	26.824	18	33.3	42.88	16	33.3	A2	J	12A	5127	A -14 3752
33		8.9A	33 31.214	-0.0001	15	-11 24 30.27	-0.018	17	0.31	31.216	18	33.3	29.97	16	33.3	K5	J	11	4834	A -10 3715
34		9.1A	33 32.226	-0.0036	22	-14 22 5.33	0.001	17	0.37	32.287	18	33.3	5.34	16	33.3	K2	J	12A	5128	A -13 3731
35		9.2A	33 32.349	-0.0006	12	-10 25 42.20	0.022	12	0.25	32.359	16	33.4	42.57	16	33.4	F2		16	4850	A -9 3726
36		8.6A	33 34.402	-0.0012	15	-11 10 55.46	0.020	15	0.30	34.422	18	33.3	55.79	16	33.3	K0	J	11	4836	A -10 3716
37		8.8A	33 42.945	-0.0014	15	-11 54 59.50	-0.034	17	0.31	42.965	18	33.3	58.93	16	33.3	G5	J	11	4837	A -11 3551
38		8.8A	33 48.419	-0.0008	15	-12 54 6.52	0.006	17	0.31	48.432	18	33.3	6.61	16	33.3	K2	J	11	4838	A -12 3850
39		8.8A	34 3.708	0.0002	21	-14 57 51.10	-0.006	15	0.35	3.784	18	33.3	50.99	16	33.3	G5	J	12A	5129	A -14 3755
40		9.1A	34 16.513	0.0006	12	-10 38 45.81	-0.011	12	0.25	16.503	16	33.4	45.62	16	33.4	G5		16	4853	A -10 3718
41		8.8A	34 16.614	-0.0006	12	-10 2 30.55	0.034	12	0.25	16.624	16	33.4	31.11	16	33.4	A3		16	4854	A -9 3729
42		9.3A	34 20.868	-0.0020	22	-16 48 5.29	-0.007	13	0.35	20.902	18	33.3	5.17	16	33.3	F8	J	12A	5130	A -16 3707
43		7.7B	34 21.493	-0.0021	08	-16 11 33.09	-0.031	08	0.44	21.594	18	01.0	31.51	17	98.9	F2		GC	18394	-15 3705
44		9.4A	34 29.214	0.0006	21	-17 3 52.94	-0.108	15	0.35	29.205	18	33.3	51.14	16	33.3	K0	J	12A	5132	A -16 3708
45		9.2A	34 43.497	-0.0105	15	-12 4 19.16	-0.207	17	0.31	43.673	18	33.3	15.71	16	33.3	G5	J	11	4840	A -11 3556
46		9.1A	34 44.835	-0.0026	18	-19 21 56.06	0.031	13	0.31	44.878	18	33.3	56.57	16	33.3	K0	J	12B	5777	A -18 3644
47		8.5A	34 45.128	-0.0022	18	-15 20 27.79	-0.117	13	0.31	45.163	18	33.3	25.83	16	33.3	G5	J	12A	5133	A -14 3756
48		8.7T	34 56.588	0.0052	09	-10 32 49.93	-0.154	07	0.44	56.313	14	97.5	41.06	14	92.5	G5		GC	18411K	B#-10 3721
49		9.1A	35 0.590	0.0013	21	-14 28 30.99	-0.029	15	0.35	0.568	18	33.3	30.50	16	33.3	F2	J	12A	5134K	A -13 3734
50		8.8A	35 5.699	0.0016	17	-19 54 35.08	0.018	13	0.30	5.672	18	33.3	35.38	16	33.3	K2	J	12B	5780	A -19 3709
51		8.4A	13 35 16.741	0.0041	18	-15 3 0.17	-0.013	13	0.31	16.673	18	33.3	-59.95	16	33.3	F8	J	12A	5135	A -14 3760
52		8.9A	35 19.746	0.0020	15	-13 58 14.05	-0.014	17	0.31	19.713	18	33.3	13.81	16	33.3	G0	J	11	4843	A -13 3736
53		9.2A	35 20.233	-0.0033	22	-16 27 35.49	-0.058	17	0.37	20.287	18	33.3	34.52	16	33.3	G5	J	12A	5136	A -15 3708
54		8.1A	35 20.689	0.0035	21	-14 20 17.78	0.007	15	0.35	20.631	18	33.3	17.89	16	33.3	K5	J	12A	5137	A -13 3737
55		8.4A	35 26.453	-0.0015	13	-18 56 4.67	-0.014	09	0.26	26.478	18	33.3	4.43	16	33.3	A2	J	12B	5784	A -18 3647
56		9.2A	35 42.793	-0.0030	21	-17 33 5.26	-0.011	15	0.35	42.843	18	33.3	5.08	16	33.3	K0	J	12A	5138	A -17 3895
57		8.3A	35 47.487	0.0009	15	-13 18 8.11	-0.002	17	0.31	47.473	18	33.3	8.07	16	33.3	F5	J	11	4845	A -12 3856
58		8.4A	35 50.886	-0.0016	15	-10 50 57.25	-0.004	17	0.31	50.913	18	33.3	57.32	16	33.3	F2	J	11	4846	A -10 3724
59		9.1A	35 55.761	0.0019	17	-13 30 57.87	-0.023	16	0.34	55.729	18	33.3	57.48	16	33.3	G5	J	11	4847	A -13 3738
60		9.2A	36 0.333	0.0032	22	-16 7 0.55	-0.006	13	0.35	0.280	18	33.3	0.44	16	33.3	K0	J	12A	5139	A -15 3709
61		8.9A	36 2.098	0.0015	15	-11 13 17.28	-0.007	17	0.31	2.073	18	33.3	17.16	16	33.3	M1	J	11	4848	A -10 3725
62		9.1A	36 11.611	0.0059	21	-14 19 36.46	-0.089	15	0.35	11.512	18	33.3	34.97	16	33.3	G0	J	12A	5140	A -13 3739
63		9.1A	36 13.281	-0.0032	18	-19 36 24.38	0.056	13	0.31	13.334	18	33.3	25.31	16	33.3	F5	J	12B	5789	A -19 3713
64		8.9A	36 15.071	-0.0055	15	-13 33 4.29	0.000	17	0.31	15.163	18	33.3	4.29	16	33.3	K0	J	11	4850	A -13 3741
65		8.9A	36 24.010	0.0015	15	-11 9 53.96	-0.008	17	0.31	23.985	18	33.3	53.82	16	33.3	K0	J	11	4851	A -10 3727
66		8.8A	36 25.318	-0.0030	18	-19 22 32.20	0.003	00	0.27	25.368	18	33.3	32.24	16	33.3	K5	J	12B	5790	A -18 3650
67		8.5A	36 28.219	0.0008	12	-10 8 10.60	-0.013	12	0.25	28.205	16	33.4	10.38	16	33.4	K0		16	4867	A -9 3736
68		9.2A	36 28.656	-0.0049	17	-19 27 18.53	0.023	13	0.30	28.738	18	33.3	18.90	16	33.3	K5	J	12B	5791	A -18 3651
69		7.8T	36 36.164	0.0010	07	-11 50 17.16	-0.057	05	0.33	38.113	09	00.3	14.08	10	96.2	G5		GC	18455	-11 3562
70		7.5T	36 38.814	-0.0031	07	-14 57 17.88	-0.008	06	0.34	38.964	09	02.0	17.46	10	99.3	G5		GC	18456	-14 3767
71		8.6A	36 40.235	0.0007	15	-10 48 44.21	-0.046	17	0.31	40.223	18	33.3	43.44	16	33.3	K0	J	11	4853	A -10 3728
72		8.3A	36 52.832	-0.0093	21	-15 21 44.69	-0.035	15	0.35	52.986	18	33.3	44.10	16	33.3	F8	J	12A	5142	A -14 3768
73		9.2A	36 55.765	-0.0008	22	-16 12 26.30	0.012	13	0.35	55.779	18	33.3	26.50	16	33.3	F5	J	12A	5143	A -15 3712
74		9.2A	36 59.958	-0.0001	21	-16 24 18.81	-0.018	15	0.35	59.960	18	33.3	18.50	16	33.3	K0	J	12A	5144	A -15 3713
75		8.9A	37 12.886	-0.0098	11	-10 25 59.57	0.013	11	0.24	13.049	16	33.4	59.78	16	33.4	K0		16	4871	A -9 3739
76		6.9T	37 16.607	-0.0005	08	-16 11 36.62	-0.022	07	0.33	16.627	06	06.5	35.69	07	07.8	K2		GC	18468	-15 3715
77		9.2A	37 18.123	-0.0013	21	-18 8 13.73	-0.014	15	0.35	18.145	18	33.3	13.51	16	33.3	K5	J	12A	5146	A -17 3899
78		8.9A	37 30.397	-0.0048	18	-17 13 50.32	-0.002	13	0.31	30.476	18	33.3	50.29	16	33.3	F5	J	12A	5147	A -16 3717
79		8.9A	37 33.848	0.0019	15	-12 39 57.48	0.008	17	0.31	33.817	18	33.3	57.61	16	33.3	K0	J	11	4855	A -12 3866
80		8.9A	37 36.166	0.0012	15	-12 27 7.79	-0.012	17	0.31	36.146	18	33.3	7.59	16	33.3	G0	J	11	4856	A -11 3564
81		8.4A	37 50.239	-0.0019	21	-17 5 27.00	-0.018	15	0.35	50.270	18	33.3	26.70	16	33.3	F5	J	12A	5148	A -16 3718
82		8.9A	37 52.927	-0.0018	15	-12 41 7.46	-0.023	17	0.31	52.956	18	33.3	7.07	16	33.3	K2	J	11	4857	A -12 3867
83		8.9A	38 5.762	-0.0004	21	-15 39 41.42	0.001	15	0.35	5.769	18	33.3	41.43	16	33.3	K2	J	12A	5149	A -15 3718
84		8.2A	38 8.105	-0.0031	21	-17 32 23.79	-0.006	15	0.35	8.156	18	33.3	23.70	16	33.3	F5	J	12A	5150	A -17 3903
85		7.3T	38 19.657	0.0005	08	-12 31 48.46	-0.018	07	0.48	19.625	18	88.5	47.31	17	86.7	K0		GC	18489	-12 3869
86		9.0A	38 32.125	0.0010	15	-12 12 15.12	-0.017	17	0.31	32.109	18	33.3	14.83	16	33.3	F8	J	11	4859	A -11 3867
87		9.0A	38 32.453	-0.0028	17	-11 2 42.54	-0.089	16	0.34	32.499	18	33.3	41.05	16	33.3	G5	J	11	4860	A -10 3730
88		8.1A	38 43.741	-0.0014	12	-10 12 1.38	0.028	12	0.25	43.763	16	33.4	1.84	16	33.4	MA		16	4879	A -9 3745
89		9.3A	38 45.565	-0.0057	17	-12 10 47.83	-0.149	16	0.34	45.660	18	33.3	45.35	16	33.3	K0	J	11	4861	A -11 3568
90		8.6A	38 57.553	-0.0022	21	-17 4 21.73	0.001	15	0.35	57.589	18	33.3	21.75	16	33.3	K5	J	12A	5151	A -16 3723
91		9.0A	38 58.741	-0.0014	21	-15 55 24.44	-0.007	15	0.35	58.764	18	33.3	24.32	16	33.3	F8	J	12A	5152	A -15 3720
92		8.0A	39 0.650	-0.0035	17	-18 53 2.94	0.005	13	0.30	0.708	18	33.3	3.01	16	33.3	M2	J	12B	5798	A -18 3660
93		8.0A	39 0.817	-0.0038	22	-18 18 2.53	0.026	13	0.31	0.880	18	33.3	2.97	16	33.3	K2	J	12A	5153	A -17 3907
94		8.9A	39 4.782	-0.0059	18	-16 33 19.16	-0.018	13	0.31	4.879	18	33.3	18.86	16	33.3	F2	J	12A	5155	A -16 3724
95		8.6A	39 5.392	-0.0013	21	-17 18 3.64	-0.022	15	0.35	5.414	18	33.3	3.27	16	33.3	K2	J	12A	5154	A -16 3725
96		7.7A	39 9.509	-0.0040	13	-18 43 57.37	-0.007	09	0.26	9.576	18	33.3	57.25	16	33.3	F0	J	12B	5799	A -18 3662
97		8.9A	39 10.437	0.0004	18	-14 9 50.02	-0.038	20	0.36	10.431	18	33.3	49.39	16	33.3	K0	J	11	4862	A -13 3750
98		8.5A	39 17.362	-0.0016	18	-12 46 33.46	0.031	20	0.36	17.388	18	33.3	33.97	16	33.3	K0	J	11	4863	A -12 3870
99		8.9A	39 20.285	-0.0025	21	-15 40 22.94	0.068	15	0.35	20.327	18	33.3	24.07	16	33.3	F8	J	12A	5156	A -15 3723
00		9.0A	39 21.331	-0.0015	17	-12 34 19.86	-0.010	18	0.34	21.356	18	33.3	19.69	16	33.3	K2	J	11	4864	A -12 3871

158100			EPOCH 1950							ORIGINAL EPOCH						SP.		SOURCE		-10° 13H
NUMBER	MAGNITUDES m_{pg}	m_v	α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.			CAT.	STAR NUMBER	DM NUMBER
1		8.9A	13 39 35.610	-0.0012	17	-13 54 2.37	0.008	18	0.34	35.630	18	33.3	2.50	16	33.3	A3	J	11	4865	A -13 3755
2		8.9A	39 40.869	0.0000	17	-19 8 42.96	0.002	13	0.30	40.869	18	33.3	42.99	16	33.3	M2	J	12B	5802	A -18 3665
3		8.8A	39 47.343	0.0020	17	-13 18 30.31	-0.000	18	0.34	47.309	18	33.3	30.31	16	33.3	K2	J	11	4866	A -12 3873
4		9.0A	39 52.079	-0.0001	21	-17 1 15.48	-0.036	15	0.35	52.080	18	33.3	14.89	16	33.3	F8	J	12A	5157	A -16 3729
5		7.4T	39 56.229	-0.0047	14	-11 50 5.78	-0.013	15	0.74	56.452	26	02.3	5.14	24	01.6	F5		GC	18525	-11 3572
6		9.3A	39 57.369	-0.0003	12	-10 9 58.48	0.023	12	0.25	57.373	16	33.4	58.86	16	33.4	F5		16	4887	A -9 3750
7		9.2A	40 3.921	-0.0023	22	-14 47 24.49	0.015	13	0.35	3.959	18	33.3	24.74	16	33.3	F5	J	12A	5158	A -14 3781
8		8.8A	40 12.262	0.0006	22	-14 46 59.78	-0.032	13	0.35	12.252	18	33.3	59.24	16	33.3	F5	J	12A	5160	A -14 3783
9		9.3A	40 12.524	-0.0026	18	-15 58 50.57	0.008	13	0.31	12.567	18	33.3	50.70	16	33.3	A2	J	12A	5159	A -15 3725
10		8.7A	40 17.004	-0.0020	15	-19 39 30.50	-0.006	09	0.27	17.037	18	33.3	30.40	16	33.3	K2	J	12B	5805	A -19 3723
11		8.1Q	40 18.395	-0.0038	08	-11 3 1.56	-0.017	08	0.45	18.584	17	99.9	0.59	18	93.4	A0		GC	18537	-10 3738
12		8.8A	40 18.493	-0.0066	18	-12 14 19.87	0.002	20	0.36	18.604	18	33.3	19.90	16	33.3	G5	J	11	4868	A -11 3574
13		9.1A	40 30.601	-0.0022	12	-10 20 31.15	0.006	12	0.25	30.638	16	33.4	31.25	16	33.4	K5		16	4892	A -9 3753
14		8.6A	40 36.588	-0.0012	21	-17 45 38.36	0.002	15	0.35	36.608	18	33.3	38.40	16	33.3	K2	J	12A	5161	A -17 3910
15		8.7A	40 43.795	0.0003	17	-13 59 8.14	-0.066	18	0.34	43.790	18	33.3	7.04	16	33.3	G0	J	11	4871	A -13 3756
16		9.0A	40 49.184	-0.0002	21	-16 14 45.99	0.010	15	0.35	49.187	18	33.3	46.15	16	33.3	K5	J	12A	5163	A -15 3727
17		9.1A	40 54.389	-0.0029	15	-13 59 36.23	0.040	18	0.32	54.438	18	33.3	36.89	16	33.3	G0	J	11	4872	A -13 3757
18		9.1A	40 58.762	-0.0040	18	-17 50 19.36	-0.026	13	0.31	58.829	18	33.3	18.93	16	33.3	K2	J	12A	5164	A -17 3914
19		8.9A	41 5.133	-0.0036	21	-15 43 56.92	-0.026	15	0.35	5.194	18	33.3	56.48	16	33.3	K0	J	12A	5165	A -15 3728
20		8.5A	41 5.970	-0.0007	15	-11 39 29.44	0.009	17	0.31	5.982	18	33.3	29.59	16	33.3	G5	J	11	4873	A -11 3579
21		8.9A	41 12.286	-0.0004	15	-12 53 29.47	-0.037	17	0.31	12.292	18	33.3	28.85	16	33.3	A3	J	11	4874	A -12 3878
22		9.3A	41 19.799	-0.0047	21	-14 39 46.93	-0.005	15	0.35	19.877	18	33.3	46.84	16	33.3	G0	J	12A	5166	A -14 3786
23		9.2A	41 29.739	0.0008	22	-16 14 52.74	-0.019	13	0.35	29.726	18	33.3	52.42	16	33.3	G5	J	12A	5167	A -15 3729
24		8.5A	41 32.283	0.0005	15	-12 34 35.20	-0.002	17	0.31	32.276	18	33.3	35.16	16	33.3	K2	J	11	4875	A -12 3880
25		8.1Q	41 35.921	0.0022	09	-11 11 8.95	0.004	08	0.41	35.816	09	03.1	9.14	10	00.5	K2		GC	18566	-10 3743
26		8.7A	41 37.405	-0.0017	15	-12 41 44.04	-0.008	17	0.31	37.433	18	33.3	43.91	16	33.3	F5	J	11	4877	A -12 3881
27		8.8A	41 40.335	-0.0009	17	-10 55 17.07	-0.038	18	0.34	40.349	18	33.3	16.43	16	33.3	G5	J	11	4879	A -10 3744
28		7.4A	41 40.645	0.0000	18	-14 30 34.97	-0.015	13	0.31	40.644	18	33.3	34.72	16	33.3	K2	J	12A	5168	A -14 3787
29		9.4A	41 43.403	-0.0020	22	-16 57 26.42	-0.052	17	0.37	43.435	18	33.3	25.55	16	33.3	K2	J	12A	5169	A -16 3735
30		8.8A	41 47.625	-0.0109	18	-16 36 14.91	0.030	13	0.31	47.807	18	33.3	15.42	16	33.3	K0	J	12A	5172	A -16 3736
31		5.7H	41 47.649	0.0006	01	-15 55 42.06	-0.011	02	0.06	47.628	03	16.2	41.70	04	16.9	G0		F4	1357	-15 3731
32		8.2A	41 48.230	-0.0010	21	-17 41 10.85	0.004	15	0.35	48.246	18	33.3	10.92	16	33.3	B0	J	12A	5170	A -17 3918
33		9.2A	41 49.203	0.0030	22	-16 10 46.72	0.006	13	0.35	49.153	18	33.3	46.82	16	33.3	G5	J	12A	5173	A -15 3732
34		8.6A	42 1.017	-0.0018	21	-17 27 47.67	-0.009	15	0.35	1.047	18	33.3	47.53	16	33.3	K0	J	12A	5174	A -16 3737
35		6.9T	42 3.463	-0.0013	08	-13 58 19.65	-0.171	06	0.36	3.528	09	01.2	10.62	10	97.2	G0		GC	18574	-13 3761
36		9.3A	42 6.295	-0.0025	12	-10 33 4.83	-0.009	12	0.25	6.336	16	33.4	4.68	16	33.4	A5		16	4904	A -10 3745
37		9.1A	42 14.093	-0.0035	17	-18 51 51.96	0.065	13	0.30	14.152	18	33.3	53.03	16	33.3	G5	J	12B	5811	A -18 3676
38		9.0A	42 21.492	-0.0044	17	-19 28 33.42	0.034	13	0.30	21.565	18	33.3	33.98	16	33.3	F8	J	12B	5812	A -19 3730
39		8.5A	42 22.622	0.0013	15	-13 36 28.51	-0.009	17	0.31	22.601	18	33.3	28.36	16	33.3	K0	J	11	4882	A -13 3763
40		9.4A	42 23.556	-0.0080	21	-17 50 34.36	-0.225	15	0.35	23.690	18	33.3	30.62	16	33.3	K5	J	12A	5175	A -17 3920
41		8.2A	42 27.414	-0.0018	21	-14 30 59.75	-0.014	15	0.35	27.443	18	33.3	59.51	16	33.3	M0	J	12A	5176	A -14 3792
42		8.8A	42 29.646	-0.0002	21	-15 40 24.26	0.004	15	0.35	29.643	18	33.3	24.32	16	33.3	A3	J	12A	5177	A -15 3734
43		8.3A	42 39.450	-0.0020	13	-19 4 54.03	-0.002	09	0.26	39.484	18	33.3	53.99	16	33.3	K0	J	12B	5813	A -18 3677
44		8.8A	42 39.646	-0.0013	21	-16 59 40.19	-0.025	15	0.35	39.668	18	33.3	39.77	16	33.3	F5	J	12A	5178	A -16 3738
45		8.5A	42 40.932	-0.0045	12	-10 16 19.54	-0.101	12	0.25	41.007	16	33.4	17.86	16	33.4	G0		16	4906	A -9 3767
46		8.5A	42 43.486	-0.0001	12	-10 16 48.35	0.007	12	0.25	43.488	16	33.4	48.47	16	33.4	G0		16	4907	A -9 3768
47		6.1T	42 53.232	-0.0033	03	-15 31 1.28	-0.029	02	0.16	53.398	07	99.3	-59.60	07	92.0	A0		GC	18595	B*-15 3735
48		8.1Q	42 57.131	-0.0014	08	-12 8 3.81	0.015	07	0.39	57.199	14	00.5	4.61	14	96.2	K2		GC	18596	-11 3587
49		9.1A	42 57.370	0.0073	21	-17 29 45.83	-0.037	15	0.35	57.249	18	33.3	45.21	16	33.3	K0	J	12A	5180	A -17 3922
50		8.3A	43 10.042	-0.0009	17	-12 42 52.86	-0.001	18	0.34	10.058	18	33.3	52.84	16	33.3	K2	J	11	4886	A -12 3887
51		7.7Q	13 43 13.116	-0.0036	08	-10 58 20.04	0.085	07	0.42	13.296	17	99.5	24.62	17	96.0	F8		GC	18603	-10 3748
52		5.8T	43 16.173	-0.0014	02	-12 10 36.19	0.002	02	0.13	16.242	05	00.2	36.29	05	97.3	K0		GC	18604K	B*-11 3591
53		9.1A	43 25.899	-0.0028	12	-10 6 18.11	-0.072	12	0.25	25.945	16	33.4	16.91	16	33.4	G5		16	4910	A -9 3770
54		8.7A	43 32.440	-0.0041	15	-13 46 43.46	0.012	17	0.31	32.508	18	33.3	43.66	16	33.3	G5	J	11	4889	A -13 3765
55		8.8A	43 33.704	-0.0025	21	-17 45 30.09	0.016	15	0.35	33.746	18	33.3	30.36	16	33.3	A2	J	12A	5181	A -17 3926
56		9.2A	43 57.639	-0.0022	21	-14 51 11.10	0.009	15	0.35	57.675	18	33.3	11.24	16	33.3	F8	J	12A	5182	A -14 3797
57		9.5A	44 11.996	0.0010	20	-17 48 45.58	-0.009	11	0.31	11.980	18	33.3	45.44	16	33.3	K0	J	12A	5183	A -17 3929
58		8.6A	44 13.441	0.0009	18	-19 41 25.31	-0.077	13	0.31	13.426	18	33.3	24.03	16	33.3	G5	J	12B	5817	A -19 3739
59		9.0A	44 18.964	0.0027	21	-17 34 35.51	-0.113	15	0.35	18.920	18	33.3	33.63	16	33.3	G5	J	12A	5184	A -17 3930
60		8.8A	44 23.974	-0.0004	15	-12 51 45.27	-0.002	17	0.31	23.980	18	33.3	45.24	16	33.3	M1	J	11	4890	A -12 3897
61		6.6T	44 29.370	-0.0029	07	-19 0 22.19	-0.008	05	0.43	29.546	18	88.3	21.62	15	81.8	A2		GC	18626	-18 3681
62		9.4A	44 33.266	-0.0043	21	-16 49 35.59	-0.011	15	0.35	33.338	18	33.3	35.41	16	33.3	K0	J	12A	5185	A -16 3744
63		9.0A	44 36.623	-0.0053	15	-19 5 20.03	0.036	11	0.27	36.713	18	33.3	20.62	16	33.3	G0	J	12B	5824	A -18 3682
64		8.6A	44 41.384	-0.0035	18	-18 3 37.93	-0.029	13	0.31	41.442	18	33.3	37.45	16	33.3	K5	J	12A	5186	A -17 3931
65		5.8T	44 41.863	0.0039	03	-17 36 37.17	-0.039	03	0.18	41.658	07	97.9	35.15	07	97.8	M0		GC	18632	B*-17 3932
66		8.9A	44 41.989	-0.0011	15	-12 39 12.65	0.004	17	0.31	42.008	18	33.3	12.71	16	33.3	A5	J	11	4891	A -12 3898
67		9.2A	44 47.712	0.0005	21	-14 24 14.03	0.004	15	0.35	47.704	18	33.3	14.09	16	33.3	K0	J	12A	5188	A -14 3769
68		9.2A	45 1.256	-0.0066	21	-17 19 57.29	-0.029	15	0.35	1.365	18	33.3	56.81	16	33.3	G5	J	12A	5189	A -16 3746
69		8.9A	45 8.910	-0.0006	15	-13 52 51.69	0.015	17	0.31	8.920	18	33.3	51.94	16	33.3	K2	J	11	4893	A -13 3770
70		8.9A	45 10.568	0.0009	15	-11 2 7.25	-0.018	17	0.31	10.552	18	33.3	6.95	16	33.3	K5	J	11	4894	A -10 3753
71		7.3A	45 11.905	-0.0013	17	-18 19 25.49	0.004	13	0.30	11.927	18	33.3	25.56	16	33.3	M1	J	12B	5831	A -17 3934
72		8.2A	45 16.154	-0.0040	21	-15 48 57.68	-0.007	15	0.35	16.220	18	33.3	57.56	16	33.3	K2	J	12A	5191	A -15 3739
73		8.8A	45 23.006	-0.0003	15	-11 13 54.38	-0.033	17	0.31	23.010	18	33.3	53.83	16	33.3	K0	J	11	4895	A -10 3756
74		8.5A	45 31.491	-0.0182	12	-10 32 23.14	0.011	12	0.25	31.793	16	33.4	23.32	16	33.4	G5		16	4919	A -10 3759
75		8.6A	45 51.687	-0.0007	15	-11 3 27.64	0.019	17	0.31	51.699	18	33.3	27.95	16	33.3	F8	J	11	4897	A -10 3761
76		9.2A	46 5.487	-0.0002	17	-18 53 4.97	-0.000	13	0.30	5.491	18	33.3	4.96	16	33.3	F8	J	12B	5834	A -18 3684
77		8.9A	46 7.973	-0.0036	21	-16 43 54.06	-0.003	15	0.35	8.032	18	33.3	54.01	16	33.3	K0	J	12A	5192	A -16 3747
78		9.2A	46 12.053	-0.0013	21	-14 28 36.21	-0.008	15	0.35	12.075	18	33.3	36.08	16	33.3	G0	J	12A	5194	A -14 3806
79		9.2A	46 12.689	0.0008	21	-17 13 6.38	-0.003	15	0.35	12.675	18	33.3	6.33	16	33.3	K2	J	12A	5193	A -16 3748
80		9.0A	46 36.409	0.0013	17	-13 47 15.55	-0.018	18	0.34	36.388	18	33.3	15.25	16	33.3	F5	J	11	4899	A -13 3774
81		8.9A	46 38.503	0.0028	21	-14 30 48.57	0.006	15	0.35	38.457	18	33.3	48.67	16	33.3	G5	J	12A	5195	A -14 3808
82		9.3A	46 42.283	-0.0063	21	-16 24 3.42	-0.049	15	0.35	42.388	18	33.3	2.60	16	33.3	G5	J	12A	5196	A -15 3742
83		8.5A	46 53.575	0.0006	15	-19 46 35.69	0.009	11	0.27	53.564	18	33.3	35.84	16	33.3	K0	J	12B	5840	A -19 3752
84		8.0A	47 4.439	-0.0015	17	-12 18 13.52	-0.016	18	0.34	4.465	18	33.3	13.25	16	33.3	M0	J	11	4901	A -11 3604
85		9.0A	47 8.559	-0.0081	15	-10 45 48.76	-0.156	17	0.31	8.694	18	33.3	46.16	16	33.3	K0	J	11	4902	A -10 3764
86		5.1H	47 8.966	-0.0071	01	-17 53 9.12	-0.041	01	0.05	9.225	02	13.7	7.64	03	14.4	K0		F4	510	-17 3937
87		9.2A	47 13.007	-0.0024	21	-17 35 26.42	-0.046	15	0.35	13.047	18	33.4	25.66	16	33.4	K0	J	12A	5198	A -17 3938
88		9.2A	47 16.596	-0.0012	17	-14 39 52.72	-0.014	11	0.29	16.616	18	33.4	52.49	16	33.4	F2	J	12A	5199	A -14 3811
89		9.1A	47 19.625	-0.0095	17	-16 46 46.45	0.061	12	0.29	19.782	18	33.4	47.46	16	33.4	G0	J	12A	5200	A -16 3751
90		7.3A	47 40.099	-0.0032	18	-12 51 44.84	0.033	20	0.36	40.153	18	33.3	45.39	16	33.3	M0	J	11	4903	A -12 3907
91		8.2A	47 44.366	-0.0022	17	-19 9 45.87	-0.024	12	0.30	44.404	18	33.3	45.46	16	33.3	F8	J	12B	5846	A -18 3691
92		6.3T	47 49.907	-0.0034	16	-19 39 0.87	0.029	13	0.71	50.059	21	04.8	2.27	19	01.9	F8		GC	18695	-19 3754
93		8.9A	47 52.335	-0.0012	11	-10 32 11.02	-0.033	11	0.24	52.354	16	33.4	10.47	16	33.4	K0		16	4929	A -10 3765
94		8.1A	48 9.228	0.0006	15	-11 6 41.64	-0.020	17	0.31	9.218	18	33.3	41.31	16	33.3	M0	J	11	4905	A -10 3768
95		8.6A	48 19.315	0.0019	18	-11 10 16.77	-0.025	20	0.36	19.283	18	33.3	16.35	16	33.3	K5	J	11	4906	A -10 3769
96		8.6A	48 22.374	-0.0007	11	-10 15 29.68	-0.004	11	0.24	22.386	16	33.4	29.61	16	33.4	K0		16	4934	A -9 3789
97		7.0T	48 24.809	-0.0028	16	-13 25 54.36	-0.022	18	0.82	24.933	09	05.4	53.37	12	05.4	F0		GC	18710	-12 3910
98		9.0A	48 39.185	-0.0010	17	-11 31 57.69	0.026	18	0.34	39.202	18	33.3	58.12	16	33.3	F0	J	11	4908	A -11 3610
99		9.3A	48 41.072	-0.0037	12	-10 7 55.94	-0.053	12	0.25	41.133	16	33.4	55.06	16	33.4	F8	R	16	4935	A -9 3790
00		9.0A	48 48.845	0.0006	15	-13 59 51.14	-0.019	17	0.31	48.834	18	33.3	50.82	16	33.3	K5	J	11	4909	A -13 3781

158200

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	EPOCH 1950 μ s	σ_μ ″.001	EPOCH 1950 δ_{1950} ° ′ ″	EPOCH 1950 μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	CAT.	SOURCE STAR NUMBER	DM NUMBER
1		9.0A	13 48 49.632	-0.0008	21	-18 6 37.58	-0.021	15	0.35	49.646	18	33.4	37.24	16	33.4	A0 J	12A	5201	A -17 3944
2		8.9A	48 53.614	0.0026	15	-12 8 31.65	-0.033	17	0.31	53.567	18	33.3	31.10	16	33.3	F8 J	11	4910	A -11 3611
3		7.0T	48 54.663	-0.0091	22	-12 46 5.39	0.004	22	0.95	55.035	17	09.0	5.55	17	08.0	G5	GC	18722	-12 3912
4		9.0A	49 2.338	-0.0044	21	-15 13 20.59	-0.008	15	0.35	2.412	18	33.4	20.45	16	33.4	F8 J	12A	5202	A -14 3815
5		9.2A	49 14.969	0.0016	15	-19 39 50.67	0.020	11	0.27	14.942	18	33.4	51.00	16	33.4	F5 J	12B	5853	A -19 3757
6		9.1A	49 29.442	0.0007	15	-10 41 34.58	-0.027	17	0.31	29.430	18	33.3	34.13	16	33.3	F2 J	11	4912	A -10 3772
7		8.0A	49 33.635	0.0025	21	-14 25 48.00	0.023	15	0.35	33.594	18	33.4	48.38	16	33.4	F0 J	12A	5203	A -13 3782
8		9.0A	49 35.736	-0.0023	21	-14 54 39.95	0.002	15	0.35	35.775	18	33.4	39.98	16	33.4	K2 J	12A	5204	A -14 3820
9		9.2A	49 48.436	-0.0043	15	-14 1 5.94	-0.070	17	0.31	48.508	18	33.3	4.77	16	33.3	G5 J	11	4914	A -13 3783
10		7.0T	49 54.732	-0.0032	14	-18 27 45.04	0.023	13	0.75	54.895	22	98.4	46.29	19	96.1	+++	GC	18747	84+17 3949
11		9.0A	50 5.293	0.0017	15	-18 25 38.82	0.005	11	0.27	5.264	18	33.4	38.91	16	33.4	F5 J	12B	5857	A -17 3950
12		7.7A	50 14.333	-0.0037	11	-10 26 9.77	-0.015	09	0.23	14.394	16	33.4	9.52	16	33.4	K0	16	4939	A -9 3793
13		9.2A	50 23.993	0.0006	21	-14 29 54.31	-0.019	15	0.35	23.985	18	33.4	53.99	16	33.4	F8 J	12A	5208	A -14 3822
14		8.3A	50 29.839	-0.0147	21	-15 45 6.76	-0.043	15	0.35	30.082	18	33.4	6.04	16	33.4	F8 J	12A	5209	A -15 3756
15		9.5A	50 37.012	-0.0006	17	-19 56 49.29	0.025	13	0.30	37.021	18	33.4	49.70	16	33.4	K0 J	12B	5859	A -19 3782
16		9.3A	50 40.177	-0.0021	17	-19 45 48.35	0.009	13	0.30	40.212	18	33.4	48.50	16	33.4	K7 J	12B	5860	A -19 3763
17		9.2A	51 1.487	-0.0008	21	-15 41 47.87	-0.009	15	0.35	1.500	18	33.4	47.72	16	33.4	G5 J	12A	5210	A -15 3761
18		8.6A	51 4.240	-0.0029	15	-12 4 8.48	-0.043	17	0.31	4.289	18	33.3	7.76	16	33.3	F8 J	11	4917	A -11 3623
19		8.9A	51 8.359	-0.0016	21	-15 32 33.84	-0.014	15	0.35	8.385	18	33.4	33.60	16	33.4	K2 J	12A	5211	A -15 3762
20		8.0A	51 9.733	0.0032	21	-14 25 5.85	-0.007	15	0.35	9.680	18	33.4	5.73	16	33.4	F0 J	12A	5212	A -13 3786
21		8.8A	51 11.921	-0.0021	17	-18 55 20.11	-0.014	13	0.30	11.957	18	33.4	19.87	16	33.4	F2 J	12B	5862K	A -18 3694
22		9.2A	51 20.999	-0.0008	21	-16 20 25.94	-0.008	15	0.35	21.013	18	33.4	25.80	16	33.4	K0 J	12A	5213	A -15 3764
23		7.1A	51 27.693	-0.0008	15	-11 27 0.96	0.015	17	0.31	27.706	18	33.3	1.21	16	33.3	K2 J	11	4919	A -10 3778
24		9.0A	51 37.065	-0.0021	15	-10 38 46.56	-0.000	17	0.31	37.100	18	33.3	46.56	16	33.3	K5 J	11	4920	A -10 3779
25		6.8T	51 37.996	-0.0025	08	-16 56 4.99	-0.004	07	0.37	38.113	09	02.7	4.79	10	99.7	K0	GC	18787	-16 3760
26		8.4A	51 46.480	-0.0036	21	-17 43 3.77	-0.007	15	0.35	46.540	18	33.4	3.66	16	33.4	K0 J	12A	5216	A -17 3958
27		8.8A	52 4.325	-0.0014	21	-17 29 19.58	-0.016	15	0.35	4.348	18	33.4	19.31	16	33.4	K2 J	12A	5217	A -17 3959
28		9.1A	52 11.186	0.0006	18	-19 19 38.21	0.005	13	0.31	11.176	18	33.4	38.28	16	33.4	K5 J	12B	5869	A -18 3697
29		7.1T	52 17.032	-0.0003	18	-18 58 19.47	0.005	15	0.84	17.044	26	03.5	19.70	22	00.0	G5	GC	18804	-18 3698
30		9.0A	52 21.017	-0.0003	15	-19 4 49.51	0.020	12	0.28	21.023	18	33.4	49.83	16	33.4	A0 J	12B	5872	A -18 3699
31		9.1A	52 21.403	-0.0040	18	-16 16 58.80	-0.020	13	0.31	21.469	18	33.4	58.47	16	33.4	K0 J	12A	5218	A -15 3768
32		9.0A	52 21.635	-0.0050	21	-15 16 38.05	-0.149	15	0.35	21.718	18	33.4	35.57	16	33.4	G0 J	12A	5219	A -14 3827
33		8.8A	52 24.624	-0.0012	13	-13 58 32.70	0.000	15	0.29	24.644	18	33.3	32.70	16	33.3	K2 J	11	4921	A -13 3789
34		8.3A	52 30.585	-0.0025	15	-12 12 14.30	-0.002	17	0.31	30.627	18	33.3	14.26	16	33.3	K5 J	11	4922	A -11 3626
35		8.5A	52 38.485	-0.0019	17	-19 52 34.01	0.015	13	0.30	38.517	18	33.4	34.26	16	33.4	K0 J	12B	5875	A -19 3771
36		7.7A	52 50.934	-0.0013	15	-11 58 41.94	0.026	17	0.31	50.956	18	33.3	42.37	16	33.3	G5 J	11	4923	A -11 3628
37		8.2A	52 53.995	-0.0016	21	-15 53 57.95	-0.027	15	0.35	54.022	18	33.4	57.50	16	33.4	K2 J	12A	5220	A -15 3770
38		8.6A	52 59.999	0.0007	15	-13 29 43.09	-0.043	17	0.31	59.987	18	33.3	42.37	16	33.3	G5 J	11	4924	A -13 3793
39		9.0A	53 1.741	0.0002	21	-15 49 4.06	-0.016	15	0.35	1.737	18	33.4	3.79	16	33.4	A0 J	12A	5221	A -15 3771
40		8.2A	53 2.887	-0.0030	21	-18 0 17.24	0.008	15	0.35	2.937	18	33.4	17.38	16	33.4	MOP J	12A	5222	A -17 3961
41		9.0A	53 5.248	-0.0023	15	-11 40 23.28	-0.008	17	0.31	5.285	18	33.3	23.14	16	33.3	K0 J	11	4926	A -11 3630
42		9.2A	53 6.147	-0.0048	21	-14 32 57.36	-0.009	15	0.35	6.227	18	33.4	57.21	16	33.4	F5 J	12A	5223	A -14 3830
43		9.2A	53 7.324	-0.0068	21	-16 33 25.26	-0.119	15	0.35	7.436	18	33.4	23.29	16	33.4	G5 J	12A	5224	A -16 3763
44		8.1A	53 43.612	0.0004	15	-18 59 18.14	-0.018	11	0.27	43.606	18	33.4	17.83	16	33.4	K2 J	12B	5881	A -18 3702
45		9.2A	53 44.809	-0.0159	21	-15 57 7.62	0.003	15	0.35	45.073	18	33.4	7.67	16	33.4	G5 J	12A	5225	A -15 3774
46		9.1A	53 46.004	-0.0011	15	-13 38 55.19	0.016	17	0.31	46.023	18	33.3	55.45	16	33.3	K2 J	11	4927	A -13 3794
47		9.3A	53 53.826	-0.0067	15	-10 46 0.26	-0.073	17	0.31	53.937	18	33.3	59.04	16	33.3	F5 J	11	4928	A -10 3785
48		9.4A	54 4.956	-0.0046	21	-15 23 0.76	-0.042	15	0.35	5.033	18	33.4	0.06	16	33.4	G0 J	12A	5226	A -14 3833
49		8.8A	54 5.544	-0.0020	15	-13 37 59.25	-0.014	17	0.31	5.578	18	33.3	59.01	16	33.3	F0 J	11	4929	A -13 3795
50		8.8A	54 7.618	0.0047	12	-10 31 45.93	-0.086	12	0.25	7.539	16	33.4	44.50	16	33.4	F5	16	4955	A -10 3786
51		9.2A	13 54 13.416	-0.0010	12	-10 27 35.08	0.017	12	0.25	13.431	16	33.4	35.36	16	33.4	F8	16	4957	A -9 3809
52		8.8A	54 17.314	-0.0015	15	-19 52 3.30	0.018	11	0.27	17.339	18	33.4	3.60	16	33.4	K2 J	12B	5886	A -19 3778
53		9.5A	54 29.315	0.0039	18	-12 17 59.16	-0.040	20	0.36	29.250	18	33.4	58.49	16	33.4	G5 J	11	4932	A -11 3640
54		9.4A	54 29.841	0.0003	18	-12 18 9.59	-0.050	20	0.36	29.836	18	33.4	8.76	16	33.4	G5 J	11	4933	A -11 3640
55		9.0A	54 29.888	-0.0039	21	-16 48 46.41	0.002	15	0.35	29.953	18	33.4	46.44	16	33.4	F0 J	12A	5228	A -16 3767
56		9.4A	54 30.178	-0.0011	21	-18 12 10.74	-0.020	15	0.35	30.197	18	33.4	10.42	16	33.4	A2 J	12A	5227	A -17 3966
57		8.9A	54 35.490	-0.0030	15	-13 13 25.72	-0.034	17	0.31	35.541	18	33.4	25.15	16	33.4	K0 J	11	4935	A -12 3925
58		9.0A	55 0.042	-0.0060	21	-15 39 19.82	-0.028	15	0.35	0.141	18	33.4	19.35	16	33.4	F8 J	12A	5229	A -15 3777
59		9.2A	55 3.888	-0.0031	17	-17 5 41.60	-0.003	11	0.29	3.939	18	33.4	41.55	16	33.4	A0 J	12A	5230	A -16 3771
60		8.8A	55 4.652	-0.0010	15	-10 40 52.04	-0.008	17	0.31	4.668	18	33.4	51.91	16	33.4	K2 J	11	4936	A -10 3790
61		8.0A	55 7.219	-0.0031	15	-11 17 36.68	-0.010	17	0.31	7.270	18	33.4	36.71	16	33.4	A0 J	11	4937	A -10 3791
62		9.1A	55 19.878	-0.0126	17	-18 27 49.29	-0.070	13	0.30	20.087	18	33.4	48.14	16	33.4	G5 J	12B	5892	A -18 3706
63		9.1A	55 28.239	-0.0014	18	-16 52 2.23	0.032	13	0.31	28.262	18	33.4	2.77	16	33.4	G5 J	12A	5232	A -16 3772
64		9.1A	55 29.787	-0.0050	15	-18 22 25.95	0.003	11	0.27	29.870	18	33.4	26.01	16	33.4	F5 J	12B	5893	A -17 3969
65		8.6A	55 37.274	-0.0025	15	-12 22 54.93	-0.041	17	0.31	37.317	18	33.4	54.25	16	33.4	F8 J	11	4938	A -11 3641
66		8.9A	55 45.416	-0.0003	15	-10 54 52.96	0.002	17	0.31	45.420	18	33.4	52.99	16	33.4	F5 J	11	4940	A -10 3794
67		7.1T	55 45.730	0.0093	06	-11 48 51.75	-0.154	06	0.30	45.287	07	02.5	44.07	09	00.2	G5	GC	18889	-11 3642
68		8.8A	55 46.318	0.0003	21	-17 23 2.15	-0.083	15	0.35	46.313	18	33.4	0.77	16	33.4	G5 J	12A	5234	A -16 3773
69		6.8T	55 47.911	0.0008	09	-13 52 45.05	0.001	08	0.45	47.872	12	00.6	45.10	12	98.3	G5	GC	18891	-13 3802
70		8.8A	56 3.442	-0.0004	21	-15 39 42.63	-0.025	15	0.35	3.449	18	33.4	42.21	16	33.4	F5 J	12A	5235	A -15 3781
71		9.0A	56 3.702	-0.0027	15	-14 8 57.06	-0.011	17	0.31	3.747	18	33.4	56.87	16	33.4	K0 J	11	4942	A -13 3803
72		8.8A	56 12.796	0.0008	21	-17 23 14.62	-0.002	15	0.35	12.783	18	33.4	14.59	16	33.4	K0 J	12A	5236	A -16 3774
73		8.9A	56 13.927	0.0008	15	-19 48 7.08	0.005	11	0.27	13.914	18	33.4	7.16	16	33.4	F0 J	12B	5897	A -19 3785
74		9.0A	56 16.729	0.0019	22	-17 51 53.39	-0.043	13	0.35	16.696	18	33.4	52.68	16	33.4	G5 J	12A	5237	A -17 3970
75		6.1T	56 18.772	0.0033	12	-18 22 49.24	0.018	11	0.54	18.617	10	03.6	50.10	12	02.5	K0	GC	18901	-17 3971
76		9.3A	56 42.152	-0.0011	17	-19 27 49.83	0.026	13	0.30	42.171	18	33.4	50.25	16	33.4	G0 J	12B	5900	A -19 3788
77		9.1A	56 43.116	-0.0031	12	-10 29 31.71	0.001	12	0.25	43.166	16	33.4	31.73	16	33.4	K0	16	4967	A -10 3796
78		9.1A	56 48.688	-0.0022	17	-17 35 47.38	0.008	11	0.29	48.724	18	33.4	47.52	16	33.4	K0 J	12A	5239	A -17 3972
79		8.8A	56 54.751	-0.0005	15	-11 47 59.70	0.005	17	0.31	54.759	18	33.4	59.78	16	33.4	K0 J	11	4944	A -11 3646
80		9.3A	56 57.492	-0.0014	17	-15 6 44.78	-0.013	11	0.29	57.515	18	33.4	44.56	16	33.4	K0 J	12A	5240	A -14 3845
81		9.6Q	57 20.933	0.0002	13	-13 28 29.36	0.006	13	0.66	20.923	17	02.2	29.64	18	02.0	F2	GC	18921	-13 3804
82		8.5Q	57 22.874	0.0030	16	-11 32 32.59	-0.092	16	0.69	22.749	19	08.6	28.73	21	08.2	F8	GC	18922	-11 3649
83		8.9A	57 23.342	-0.0070	17	-12 27 52.56	-0.015	18	0.33	23.458	18	33.4	52.31	16	33.4	F8 J	11	4947	A -12 3932
84		8.2A	57 26.055	-0.0028	15	-13 13 29.56	0.040	17	0.31	26.101	18	33.4	30.22	16	33.4	K0 J	11	4948	A -12 3933
85		8.1A	57 45.914	-0.0013	21	-14 42 35.76	-0.024	15	0.35	45.935	18	33.4	35.36	16	33.4	K0 J	12A	5241	A -14 3846
86		9.0A	57 49.328	-0.0023	15	-18 26 3.02	-0.017	11	0.27	49.366	18	33.4	2.75	16	33.4	A3 J	12B	5904	A -17 3978
87		8.7A	57 59.582	-0.0043	12	-10 17 12.82	0.013	12	0.25	59.654	16	33.4	13.04	16	33.4	K2	16	4973	A -9 3828
88		8.8A	58 7.559	-0.0022	21	-16 4 59.81	-0.009	15	0.35	7.595	18	33.4	59.66	16	33.4	K5 J	12A	5243	A -15 3785
89		9.1A	58 7.639	-0.0003	18	-19 27 4.05	0.045	13	0.31	7.645	18	33.4	4.79	16	33.4	A0 J	12B	5905	A -18 3718
90		9.4A	58 11.029	0.0002	21	-17 52 10.97	0.002	15	0.35	11.026	18	33.4	11.01	16	33.4	F0 J	12A	5244	A -17 3979
91		8.8A	58 20.034	-0.0017	15	-11 4 3.83	-0.007	15	0.30	20.062	18	33.4	3.71	16	33.4	K5 J	11	4949	A -10 3800
92		9.0A	58 28.905	0.0012	21	-14 37 1.70	-0.006	15	0.35	28.884	18	33.4	1.60	16	33.4	K0 J	12A	5245	A -14 3849
93		8.7A	58 30.981	0.0008	15	-11 41 20.93	0.024	17	0.31	30.968	18	33.4	21.33	16	33.4	K0 J	11	4951	A -11 3650
94		8.7A	58 34.087	0.0011	12	-10 8 7.53	-0.006	12	0.25	34.069	16	33.4	7.43	16	33.4	F5	16	4979	A -9 3830
95		8.6A	59 6.917	-0.0006	21	-17 39 8.98	-0.033	15	0.35	6.926	18	33.4	8.44	16	33.4	K2 J	12A	5246	A -17 3982
96		8.8A	59 12.363	-0.0026	15	-11 13 54.25	-0.038	17	0.31	12.406	18	33.4	53.62	16	33.4	F5 J	11	4952	A -10 3802
97		8.5Q	59 39.272	-0.0037	12	-11 47 48.35	-0.020	08	0.51	39.435	18	05.7	47.37	18	01.4	G5	GC	18957	-11 3651
98		8.3A	59 39.289	0.0008	15	-10 50 30.52	-0.021	20	0.34	39.275	18	33.4	30.17	16	33.4	K0 J	11	4954	A -10 3805
99		9.3A	59 45.062	0.0009	21	-17 29 31.42	-0.026	15	0.35	45.047	18	33.4	30.99	16	33.4	F5 J	12A	5247	A -17 3984
00		7.2T	59 46.843	-0.0032	09	-19 34 9.12	-0.010	07	0.52	47.029	18	91.2	8.52	17	89.7	F8	GC	18961	-19 3799

-10°
13H

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EPOCH 1950											ORIGINAL EPOCH							SP.	SOURCE		-10° 13H
NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	σ'_μ ″.001	σ_{1950} ″	α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.			CAT.	STAR NUMBER	DM NUMBER
1		9.1A	13 59 51.788	-0.0011	22	-15 39 2.43	0.022	13	0.35	51.806	18	33.4	2.79	16	33.4	K5	J	12A	5248	A -15 3792
2		8.8A	59 51.816	-0.0018	15	-14 7 0.44	0.009	17	0.31	51.845	18	33.4	0.59	16	33.4	K0	J	11	4955	A -13 3811
3		9.0A	59 52.107	-0.0035	12	-10 13 16.99	0.021	12	0.25	52.165	16	33.4	17.34	16	33.4	F5	R	16	4984	A -9 3836
4		8.8A	59 54.127	-0.0008	21	-17 7 8.89	-0.018	15	0.35	54.140	18	33.4	8.59	16	33.4	F5	J	12A	5249	A -16 3784
5		8.6A	14 0 17.082	-0.0015	12	-10 13 31.80	0.016	12	0.25	17.087	16	33.4	32.06	16	33.4	A5		16	4985	A -9 3838
6		6.5T	0 20.432	-0.0130	07	-17 7 36.06	0.003	06	0.27	20.950	06	10.1	36.18	06	10.9	K0		GC	18974	-16 3785
7		8.8A	0 24.100	-0.0108	21	-17 21 59.54	-0.057	15	0.35	24.279	18	33.4	58.59	16	33.4	G0	J	12A	5251	A -16 3786
8		9.2A	0 28.193	-0.0100	21	-17 19 53.50	-0.071	15	0.35	28.360	18	33.4	52.32	16	33.4	G5	J	12A	5253	A -16 3787
9		9.2A	0 28.524	0.0011	15	-18 27 25.08	-0.024	11	0.27	28.906	18	33.4	24.69	16	33.4	K7	J	12B	5915	A -18 3732
10		9.0A	0 32.138	0.0013	21	-17 29 14.61	-0.011	15	0.35	32.116	18	33.4	14.42	16	33.4	K2	J	12A	5254	A -17 3987
11		8.7A	0 34.816	-0.0017	15	-11 33 28.27	-0.061	17	0.31	34.845	18	33.4	27.25	16	33.4	F5	J	11	4956	A -11 3657
12		7.3A	0 46.867	-0.0001	15	-10 43 38.77	0.002	17	0.31	46.868	18	33.4	38.80	16	33.4	A2	J	11	4957	A -10 3810
13		7.8A	0 51.162	0.0006	12	-10 29 28.12	0.012	12	0.25	51.151	16	33.4	28.32	16	33.4	K5		16	4988	A -10 3811
14		8.7A	0 54.338	-0.0031	15	-19 42 0.83	-0.011	11	0.27	54.389	18	33.4	0.65	16	33.4	F5	J	12B	5917	A -19 3804
15		8.7A	1 0.913	-0.0001	15	-13 2 55.60	-0.055	17	0.31	0.915	18	33.4	54.68	16	33.4	G0	J	11	4959	A -12 3950
16		9.0A	1 1.678	-0.0023	15	-12 46 58.38	-0.013	17	0.31	1.717	18	33.4	58.16	16	33.4	K2	J	11	4960	A -12 3951
17		8.0A	1 13.494	-0.0029	15	-11 2 0.89	-0.022	17	0.31	13.542	18	33.4	0.52	16	33.4	K2	J	11	4961	A -10 3812
18		9.1A	1 16.427	-0.0101	21	-14 47 23.31	-0.120	15	0.35	16.594	18	33.4	21.31	16	33.4	G5	J	12A	5256	A -14 3860
19		9.0A	1 17.983	0.0001	21	-17 37 24.79	-0.031	15	0.35	17.981	18	33.4	24.28	16	33.4	K0	J	12A	5255	A -17 3990
20		8.4A	1 19.498	0.0022	13	-12 30 47.15	-0.004	17	0.30	19.461	18	33.4	47.08	16	33.4	A0	J	11	4962	A -12 3952
21		8.8A	1 24.472	-0.0022	21	-15 14 46.61	-0.026	15	0.35	24.509	18	33.4	46.17	16	33.4	K0	J	12A	5257	A -14 3861
22		7.8A	1 31.211	-0.0026	15	-11 53 25.31	-0.007	17	0.31	31.255	18	33.4	25.19	16	33.4	F2	J	11	4963	A -11 3659
23		8.9A	1 33.267	-0.0036	18	-15 48 12.13	0.009	13	0.31	33.328	18	33.4	12.27	16	33.4	K5	J	12A	5258	A -15 3795
24		8.8A	1 42.521	0.0005	15	-11 15 20.28	-0.010	17	0.31	42.512	18	33.4	20.11	16	33.4	K0	J	11	4964	A -10 3815
25		6.4H	1 44.263	-0.0028	02	-14 43 56.11	-0.023	02	0.07	44.347	03	19.5	55.38	04	18.8	K0		F4	1365	-14 3863
26		9.4A	1 49.564	-0.0012	22	-16 52 56.58	0.008	13	0.35	49.583	18	33.4	56.71	16	33.4	A3	J	12A	5260	A -16 3791
27		9.2A	1 52.225	-0.0015	22	-16 46 28.41	0.010	13	0.35	52.250	18	33.4	28.57	16	33.4	M0	J	12A	5261	A -16 3792
28		8.5A	1 56.775	-0.0016	15	-13 55 30.14	-0.006	17	0.31	56.802	18	33.4	30.04	16	33.4	K2	J	11	4965	A -13 3818
29		8.7A	2 0.355	-0.0016	15	-13 54 2.73	0.001	17	0.31	0.381	18	33.4	2.74	16	33.4	K2	J	11	4966	A -13 3819
30		8.3A	2 25.274	-0.0077	21	-15 47 9.45	-0.044	15	0.35	25.402	18	33.4	8.72	16	33.4	K0	J	12A	5262	A -15 3804
31		6.4T	2 30.238	-0.0001	05	-16 5 49.99	0.001	05	0.24	30.241	09	07.4	50.03	09	06.2	A2		GC	19009	-15 3805
32		9.0A	2 30.362	-0.0030	21	-17 35 3.45	-0.010	15	0.35	30.412	18	33.4	3.29	16	33.4	G0	J	12A	5263	A -17 4000
33		7.3T	2 30.528	-0.0068	07	-14 37 3.81	-0.045	06	0.37	30.877	15	98.8	1.31	15	94.9	G5		GC	19010	-14 3867
34		9.0A	2 31.761	0.0020	21	-14 52 39.27	-0.009	15	0.35	31.727	18	33.4	39.12	16	33.4	K2	J	12A	5266	A -14 3866
35		9.2A	2 34.253	-0.0009	21	-17 39 59.29	-0.040	15	0.35	34.269	18	33.4	58.63	16	33.4	G0	J	12A	5267	A -17 4001
36		9.1A	2 35.268	0.0022	15	-12 24 5.03	-0.048	17	0.31	35.232	18	33.4	4.23	16	33.4	G0	J	11	4968	A -11 3662
37		9.2A	2 52.197	-0.0044	15	-11 14 53.93	-0.007	17	0.31	52.270	18	33.4	53.81	16	33.4	F5	J	11	4969	A -10 3819
38		8.8Q	2 53.497	0.0031	10	-17 50 0.25	-0.054	08	0.46	53.355	19	04.9	-57.46	17	98.1	G0		GC	19014	-17 4002
39		9.0A	2 53.897	0.0037	21	-17 50 30.84	-0.0[illegible]	15	0.35	53.836	18	33.4	30.10	16	33.4	G0	J	12A	5269	A -17 4003
40		9.1A	2 57.883	-0.0027	21	-18 4 32.93	-0.030	15	0.35	57.928	18	33.4	32.44	16	33.4	G0	J	12A	5270	A -17 4005
41		9.0A	3 5.295	-0.0056	21	-15 0 21.01	0.017	15	0.35	5.389	18	33.4	21.29	16	33.4	F8	J	12A	5271	A -14 3868
42		9.1A	3 9.133	0.0048	15	-14 0 14.34	-0.069	17	0.31	9.053	18	33.4	13.19	16	33.4	F5	J	11	4970	A -13 3822
43		8.3A	3 10.713	-0.0036	15	-12 27 52.75	-0.038	17	0.31	10.773	18	33.4	52.12	16	33.4	F2	J	11	4971	A -12 3956
44		8.8A	3 15.822	0.0019	13	-12 50 6.85	-0.001	13	0.28	15.791	18	33.4	6.83	16	33.4			11	4972	A*-12 3958
45		9.2A	3 15.860	-0.0032	17	-12 49 53.79	-0.028	18	0.33	15.914	18	33.4	53.32	16	33.4			11	4973	A*-12 3958
46		8.9A	3 21.529	-0.0016	15	-11 21 8.39	-0.017	15	0.30	21.555	18	33.4	8.11	16	33.4	K0	J	11	4974	A -10 3820
47		8.7A	3 26.822	-0.0018	22	-17 16 59.74	0.011	13	0.35	26.851	18	33.4	59.92	16	33.4	G5	J	12A	5272	A -16 3797
48		9.0A	3 30.461	-0.0184	21	-17 27 1.69	0.013	15	0.35	30.767	18	33.4	1.90	16	33.4	G5	J	12A	5273	A -16 3799
49		9.0A	3 30.908	-0.0101	18	-15 1 25.24	-0.080	13	0.31	31.076	18	33.4	23.91	16	33.4	G5	J	12A	5274	A -14 3870
50		8.7A	3 32.018	-0.0009	15	-11 35 40.43	-0.024	17	0.31	32.033	18	33.4	40.03	16	33.4	K5	J	11	4975	A -11 3664
51		9.4A	14 3 41.027	-0.0005	21	-14 57 17.17	0.022	15	0.35	41.035	18	33.4	17.53	16	33.4	F5	J	12A	5275	A -14 3871
52		8.3A	3 43.816	-0.0063	15	-19 50 6.08	0.015	11	0.27	43.920	18	33.4	6.33	16	33.4	G0	J	12B	5930	A -19 3813
53		9.3A	3 47.027	0.0011	21	-15 16 13.90	0.016	15	0.35	47.009	18	33.4	14.16	16	33.4	A2	J	12A	5276	A -14 3872
54		7.8A	3 48.615	0.0000	22	-17 13 6.17	-0.014	13	0.35	48.614	18	33.4	5.93	16	33.4	K5	J	12A	5277	A -16 3802
55		9.4A	3 56.203	-0.0058	21	-15 17 24.77	-0.009	15	0.35	56.300	18	33.4	24.61	16	33.4	F2	J	12A	5278	A -14 3874
56		9.1A	3 58.906	-0.0016	15	-19 56 35.68	-0.010	11	0.27	58.933	18	33.4	35.52	16	33.4	K5	J	12B	5932	A -19 3818
57		6.7T	3 59.164	-0.0008	12	-13 58 0.77	-0.020	11	0.57	59.203	10	02.1	-59.79	12	01.1	MB		GC	19040	-13 3824
58		8.1A	4 1.610	-0.0022	15	-11 15 50.84	-0.051	15	0.30	1.647	18	33.4	49.99	16	33.4	K0	J	11	4978	A -10 3823
59		8.4A	4 2.624	-0.0002	15	-13 51 28.36	0.018	15	0.30	2.627	18	33.4	28.65	16	33.4	G5	J	11	4977	A -13 3825
60		9.1A	4 3.821	0.0004	18	-17 35 59.69	-0.028	13	0.31	3.814	18	33.4	59.23	16	33.4	F5	J	12A	5279	A -17 4008
61		9.0A	4 13.973	-0.0021	15	-10 39 30.95	-0.011	17	0.31	14.008	18	33.4	30.76	16	33.4	F8	J	11	4979	A -10 3824
62		8.3Q	4 23.734	0.0022	11	-19 2 48.25	-0.028	10	0.51	23.635	18	06.0	46.93	18	03.3	G5		GC	19050	-18 3750
63		7.0T	4 30.136	-0.0034	06	-15 57 10.31	-0.008	06	0.36	30.326	15	93.5	9.83	15	89.8	B9		GC	19056	-15 3809
64		8.8A	4 41.507	0.0017	15	-18 32 1.03	0.018	11	0.27	41.480	18	33.4	1.32	16	33.4	F5	J	12B	5935	A -18 3751
65		8.9A	4 47.660	-0.0005	22	-17 45 13.10	-0.004	13	0.35	47.669	18	33.4	13.04	16	33.4	F8	J	12A	5282	A -17 4010
66		8.0A	4 49.158	-0.0050	11	-10 5 10.53	-0.004	11	0.24	49.240	16	33.4	10.46	16	33.4	G5		16	5011	A -9 3854
67		9.4A	5 0.803	0.0001	21	-18 40 7.08	0.004	15	0.35	0.801	18	33.4	7.14	16	33.4	G5	J	12A	5283	A -18 3752
68		8.6A	5 6.031	-0.0004	15	-11 55 31.83	0.006	17	0.31	6.037	18	33.4	31.93	16	33.4	K5	J	11	4980	A -11 3668
69		8.9A	5 12.032	-0.0018	18	-10 54 54.12	0.001	20	0.36	12.061	18	33.4	54.13	16	33.4	F5	J	11	4981	A -10 3826
70		9.0A	5 12.572	0.0007	21	-15 1 35.36	0.004	15	0.35	12.561	18	33.4	35.42	16	33.4	G5	J	12A	5284	A -14 3880
71		9.0Q	5 14.570	0.0042	10	-19 29 5.94	-0.011	09	0.50	14.369	18	02.6	5.37	17	99.9	K2		GC	19069	-19 3819
72		7.4T	5 21.940	0.0073	08	-12 41 23.78	-0.113	06	0.36	21.596	09	03.0	18.10	10	99.8	G0		GC	19072K	B*-12 3966
73		8.8A	5 26.475	-0.0004	15	-13 8 5.02	0.005	17	0.31	26.483	18	33.4	5.10	16	33.4	K5	J	11	4985	A -12 3967
74		9.1A	5 27.831	-0.0000	13	-14 6 28.75	-0.041	15	0.29	27.832	18	33.4	28.07	16	33.4	F8	J	11	4986	A -13 3829
75		9.1A	5 31.395	-0.0034	18	-18 37 44.91	-0.010	13	0.31	31.452	18	33.4	44.73	16	33.4	G5	J	12B	5941	A -18 3754
76		8.6A	5 31.769	-0.0011	12	-10 10 4.41	0.006	12	0.25	31.786	16	33.4	4.51	16	33.4	F2		16	5012	A -9 3856
77		9.1A	5 37.153	0.0009	21	-16 20 7.33	-0.010	15	0.35	37.137	18	33.4	7.16	16	33.4	F0	J	12A	5286	A -15 3812
78		8.3Q	5 43.305	0.0002	09	-12 19 43.91	-0.002	07	0.45	43.294	17	99.8	43.79	17	95.1	K2		GC	19079	-11 3670
79		6.7T	5 48.001	-0.0009	06	-11 35 33.90	-0.014	06	0.31	48.044	07	00.7	33.15	09	97.3	A2		GC	19081	-11 3671
80		9.0A	5 49.947	0.0004	17	-10 58 42.15	-0.004	18	0.34	49.940	18	33.4	42.08	16	33.4	G5	J	11	4989	A -10 3828
81		8.8A	6 5.672	-0.0007	21	-17 29 59.74	-0.021	15	0.35	5.684	18	33.4	59.39	16	33.4	K5	J	12A	5287	A -17 4013
82		8.8A	6 6.507	0.0002	17	-11 19 42.56	-0.037	18	0.34	6.503	18	33.4	41.84	16	33.4	K0	J	11	4990	A -10 3829
83		7.1T	6 14.331	-0.0005	08	-10 0 30.36	-0.055	07	0.39	14.352	09	03.2	27.64	10	00.8	M0		GC	19088	-18 3757
84		8.3A	6 15.924	-0.0036	21	-18 15 53.11	0.018	15	0.35	15.984	18	33.4	53.42	16	33.4	G5	J	12A	5288	A -17 4015
85		6.5T	6 20.481	-0.0006	03	-10 5 54.66	0.020	03	0.17	20.509	07	00.5	55.67	07	99.1	G5		GC	19092	B* -9 3865
86		9.1A	6 26.446	-0.0056	13	-19 40 22.34	-0.091	09	0.26	26.539	18	33.4	20.83	16	33.4	G5	J	12B	5947	A -19 3827
87		9.0A	7 0.003	-0.0012	17	-10 50 9.80	0.014	18	0.34	0.023	18	33.4	10.03	16	33.4	F2	J	11	4991	A -10 3835
88		8.9A	7 8.586	-0.0011	15	-12 10 2.56	-0.025	17	0.31	8.605	18	33.4	2.14	16	33.4	K5	J	11	4992	A -11 3677
89		8.7A	7 15.113	0.0019	17	-11 55 33.17	0.015	18	0.34	15.082	18	33.4	33.42	16	33.4	K0	J	11	4993	A -11 3678
90		9.4A	7 25.642	0.0008	21	-15 0 57.28	-0.013	15	0.35	25.629	18	33.4	57.06	16	33.4	K0	J	12A	5289	A -14 3888
91		9.1A	7 26.870	0.0001	17	-11 6 12.44	0.005	18	0.34	26.869	18	33.4	12.52	16	33.4	K0	J	11	4994	A -10 3836
92		8.8A	7 27.984	-0.0054	15	-13 6 35.98	-0.035	15	0.30	28.074	18	33.4	35.39	16	33.4	G0	J	11	4995	A -12 3980
93		7.7A	7 36.918	0.0032	18	-13 59 1.86	-0.157	20	0.36	36.865	18	33.4	-59.25	16	33.4	G5	J	11	4996	A -13 3833
94			7 39.452	0.0098	18	-13 4 8.37	-0.120	20	0.36	39.288	18	33.4	6.37	16	33.4			11	4997V	A -12 3983
95		9.6A	7 44.250	0.0044	18	-12 55 32.91	-0.075	20	0.36	44.176	18	33.4	31.66	16	33.4	G5	J	11	4998	A -12 3984
96		9.0A	7 48.484	-0.0011	18	-17 45 20.24	-0.010	13	0.31	48.502	18	33.4	20.08	16	33.4	B2	J	12A	5290	A -17 4022
97		8.7A	7 53.668	-0.0020	18	-11 9 22.35	-0.023	20	0.36	53.700	18	33.4	21.96	16	33.4	F0	J	11	4999	A -10 3837
98		8.7A	7 54.894	-0.0019	18	-18 29 47.41	-0.021	13	0.31	54.925	18	33.4	47.07	16	33.4	F2	J	12B	5951	A -18 3761
99		8.8A	7 59.609	-0.0003	15	-11 24 8.84	-0.062	17	0.31	59.614	18	33.4	8.80	16	33.4	K5	J	11	5000	A -10 3838
00		9.3A	8 6.062	-0.0022	21	-14 33 57.64	0.010	15	0.35	6.098	18	33.4	57.80	16	33.4	F5	J	12A	5293	A -14 3891

158400

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	-10° 14H DM NUMBER
1		5.1T	14 8 6.328	0.0002	03	-16 4 0.12	-0.011	03	0.17	6.315	05	94.4	-59.48	06	91.7	M0	GC	19125	B*-15 3817
2		8.9A	8 8.769	0.0011	21	-17 24 19.38	-0.047	15	0.35	8.751	18	33.4	18.60	16	33.4	K0 J	12A	5294	A -16 3821
3		9.3A	8 8.946	0.0012	21	-14 57 32.16	-0.003	15	0.35	8.925	18	33.4	32.10	16	33.4	K2 J	12A	5295	A -14 3892
4		8.6A	8 13.229	0.0019	15	-16 34 32.55	-0.016	12	0.28	13.197	18	33.4	32.81	16	33.4	G5 J	12B	5952	A -16 3763
5		7.5T	8 26.573	-0.0020	07	-11 43 1.62	-0.048	06	0.42	26.686	17	93.1	-58.77	15	90.8	K0	GC	19135	-11 3680
6		9.0A	8 26.833	-0.0036	18	-13 4 32.93	-0.019	20	0.36	26.894	18	33.4	32.61	16	33.4	F5 J	11	5002	A -12 3993
7		8.6A	8 28.120	0.0001	18	-12 12 52.16	0.043	20	0.36	28.117	18	33.4	52.87	16	33.4	K0 J	11	5004	A -11 3681
8		8.9A	8 29.446	-0.0004	12	-10 13 7.67	0.013	12	0.25	29.452	16	33.4	7.88	16	33.4	K2	16	5026	A -9 3869
9		8.8A	8 29.725	-0.0005	21	-16 47 22.36	-0.042	15	0.35	29.732	18	33.4	21.66	16	33.4	K0 J	12A	5296	A -16 3822
10		9.0A	8 30.185	0.0006	21	-14 58 31.43	0.012	15	0.35	30.175	18	33.4	31.62	16	33.4	K0 J	12A	5297	A -14 3893
11		8.7Q	8 38.935	-0.0009	11	-10 14 38.69	-0.008	08	0.49	38.975	17	04.1	38.29	17	00.7	M8	GC	19138	-9 3870
12		8.7A	8 49.756	-0.0105	12	-10 22 13.96	0.004	12	0.25	49.931	16	33.4	14.03	16	33.4	G0	16	5028	A -9 3873
13		8.8A	8 54.302	-0.0004	18	-11 39 27.00	-0.015	20	0.36	54.307	18	33.4	26.75	16	33.4	K5 J	11	5006	A -11 3683
14		7.9A	8 59.804	0.0012	15	-18 46 58.20	0.003	11	0.27	59.784	18	33.4	58.24	16	33.4	K0 J	12B	5957	A -18 3766
15		9.1A	9 3.803	-0.0024	15	-19 20 47.51	0.005	11	0.27	3.844	18	33.4	47.58	16	33.4	G5 J	12B	5958	A -18 3767
16		7.9Q	9 5.292	-0.0177	09	-12 22 28.27	-0.167	09	0.47	6.176	12	00.0	19.52	12	97.7	G5	GC	19144	-11 3684
17		9.0A	9 7.942	-0.0014	22	-17 38 51.52	0.086	13	0.35	7.966	18	33.4	52.96	16	33.4	G5 J	12A	5298	A -17 4025
18		9.6A	9 14.517	-0.0003	21	-15 2 50.53	-0.007	15	0.35	14.521	18	33.4	50.41	16	33.4	G0 J	12A	5299	A -14 3896
19		9.2A	9 24.829	0.0021	17	-15 6 0.17	-0.011	11	0.29	24.795	18	33.4	-59.98	16	33.4	F8 J	12A	5300	A -14 3897
20		9.2A	9 30.230	-0.0009	22	-17 48 3.46	0.006	13	0.35	30.245	18	33.4	3.57	16	33.4	K2 J	12A	5301	A -17 4027
21		9.0A	9 36.350	-0.0014	17	-18 30 42.77	-0.001	13	0.30	36.374	18	33.4	42.75	16	33.4	M4 J	12B	5959	A -18 3769
22		8.8A	9 37.783	-0.0008	18	-12 5 11.22	-0.009	20	0.36	37.796	18	33.4	11.07	16	33.4	K2 J	11	5008	A -11 3686
23		9.3A	9 49.131	-0.0029	17	-15 38 2.40	0.052	11	0.29	49.180	18	33.4	3.26	16	33.4	F8 J	12A	5303	A -15 3824
24		8.9A	9 53.251	-0.0022	18	-11 43 36.84	0.006	20	0.36	53.215	18	33.4	36.94	16	33.4	K0 J	11	5009	A -11 3687
25		9.2A	10 8.236	-0.0044	21	-16 32 9.42	0.003	15	0.35	8.308	18	33.4	9.47	16	33.4	F8 J	12A	5304	A -16 3827
26		8.8A	10 11.783	0.0005	15	-13 56 17.54	0.013	17	0.31	11.775	18	33.4	17.75	16	33.4	A2 J	11	5010	A -13 3843
27		4.3H	10 13.451	0.0004	01	-10 2 30.80	0.136	01	0.03	13.437	02	11.1	36.13	02	10.7	K0	F4	523	-9 3878
28		8.6A	10 13.542	0.0002	18	-13 30 51.59	0.002	20	0.36	13.540	18	33.4	51.62	16	33.4	K5 J	11	5011	A -13 3844
29		8.9A	10 14.439	-0.0018	21	-15 48 58.95	-0.005	15	0.35	14.470	18	33.4	58.86	16	33.4	K2 J	12A	5305	A -15 3826
30		9.1A	10 26.316	0.0004	18	-12 17 12.54	-0.041	20	0.36	26.310	18	33.4	11.85	16	33.4	G5 J	11	5012	A -11 3689
31		7.2T	10 27.235	-0.0032	15	-13 37 33.63	-0.024	15	0.70	27.383	10	03.8	32.51	12	03.3	M8	GC	19175	-13 3845
32		8.8A	10 28.903	-0.0024	21	-15 23 27.45	-0.014	15	0.35	28.944	18	33.4	27.21	16	33.4	A5 J	12A	5306	A -14 3900
33		8.9A	10 29.427	0.0003	17	-12 18 18.94	-0.034	18	0.34	29.422	18	33.4	18.37	16	33.4	K2 J	11	5014	A -11 3690
34		8.8A	10 30.864	0.0010	21	-15 22 27.55	-0.040	15	0.35	30.848	18	33.4	26.88	16	33.4	K0 J	12A	5307	A -14 3901
35		8.4A	10 34.802	-0.0005	17	-13 35 8.92	0.039	18	0.34	34.810	18	33.4	9.56	16	33.4	K0 J	11	5015	A -13 3846
36		9.0A	10 40.098	-0.0078	18	-11 55 21.52	0.015	20	0.36	40.228	18	33.4	21.76	16	33.4	G5 J	11	5016	A -11 3691
37		9.2A	10 40.569	-0.0008	22	-16 7 30.68	-0.014	13	0.35	40.553	18	33.4	30.44	16	33.4	K5 J	12A	5308	A -15 3827
38		8.8A	10 51.221	-0.0017	18	-12 42 30.68	-0.044	20	0.36	51.249	18	33.4	29.95	16	33.4	F8 J	11	5017	A -12 4001
39		6.9T	11 1.595	0.0005	12	-11 36 18.28	-0.033	12	0.55	1.572	09	05.5	16.79	10	05.3	G5	GC	19187	-11 3693
40		8.1A	11 5.161	-0.0002	18	-13 6 28.01	0.005	20	0.36	5.164	18	33.4	28.09	16	33.4	K5 J	11	5019	A -12 4003
41		8.1Q	11 13.196	-0.0146	12	-19 58 29.28	-0.038	11	0.56	13.860	15	04.4	27.44	15	01.5	G0	GC	19192	-19 3836
42		9.4A	11 25.824	0.0001	22	-17 48 1.54	-0.016	15	0.36	25.822	18	33.4	1.28	16	33.4	K0 J	12A	5309	A -17 4036
43		8.3A	11 26.565	-0.0049	21	-17 13 50.01	0.002	15	0.35	26.568	18	33.4	50.04	16	33.4	K0 J	12A	5310	A -16 3829
44		9.3A	11 28.229	-0.0044	21	-16 15 37.24	-0.006	15	0.35	28.302	18	33.4	37.14	16	33.4	K0 J	12A	5311	A -15 3831
45		9.0A	11 44.121	-0.0084	20	-18 6 35.24	-0.030	11	0.31	44.261	18	33.4	34.75	16	33.4	G0 J	12A	5312	A -17 4038
46		8.9A	12 0.415	-0.0039	21	-18 11 51.43	-0.008	15	0.35	0.480	18	33.4	51.30	16	33.4	F0 J	12A	5313	A -17 4039
47		8.8A	12 8.728	0.0007	15	-18 23 11.43	-0.003	11	0.27	8.717	18	33.4	11.39	16	33.4	G5 J	12B	5967	A -17 4043
48		5.6T	12 38.453	-0.0029	03	-17 58 6.33	-0.017	04	0.21	38.610	07	95.1	5.38	07	93.3	B9	GC	19229	B*-17 4046
49		8.0A	12 41.422	-0.0032	15	-12 0 37.34	-0.027	17	0.31	41.475	18	33.4	36.89	16	33.4	A5 J	11	5020	A -11 3696
50		9.2A	12 50.889	0.0044	15	-19 43 20.43	-0.031	11	0.27	50.816	18	33.4	19.92	16	33.4	G5 J	12B	5971	A -19 3840
51		9.0A	12 56.694	0.0034	21	-16 19 41.99	-0.098	15	0.35	56.638	18	33.4	40.36	16	33.4	G5 J	12A	5316	A -15 3836
52		8.7A	13 5.846	-0.0050	18	-14 52 39.62	-0.027	13	0.31	5.928	18	33.4	39.17	16	33.4	F5 J	12A	5318	A -14 3910
53		8.6A	13 5.914	-0.0046	21	-15 50 58.52	0.014	15	0.35	5.990	18	33.4	58.75	16	33.4	K0 J	12A	5317	A -15 3837
54		8.1A	13 12.163	0.0005	15	-11 57 30.42	0.022	18	0.32	12.154	18	33.4	30.78	16	33.4	M0 J	11	5021	A -11 3697
55		9.6Q	13 15.267	-0.0041	11	-10 58 22.68	-0.003	09	0.48	15.438	21	07.9	22.53	21	03.6	K0	GC	19238	-10 3861
56		9.0A	13 17.443	-0.0095	20	-18 11 30.57	-0.038	11	0.31	17.601	18	33.4	29.94	16	33.4	G0 J	12A	5319	A -17 4049
57		9.0A	13 31.327	0.0006	18	-14 2 52.87	-0.008	20	0.36	31.318	18	33.4	52.74	16	33.4	G5 J	11	5023	A -13 3861
58		9.0A	13 32.431	0.0004	21	-14 20 30.17	-0.016	15	0.35	32.424	18	33.4	29.90	16	33.4	K2 J	12A	5320	A -13 3862
59		9.4A	14 0.343	0.0002	21	-15 49 14.12	0.003	15	0.35	0.339	18	33.4	14.17	16	33.4	G5 J	12A	5321	A -15 3838
60		8.7A	14 0.993	0.0022	18	-13 30 5.59	0.002	20	0.36	0.956	18	33.4	5.62	16	33.4	F2 J	11	5025	A -13 3863
61		9.1A	14 6.735	-0.0013	15	-13 16 28.85	-0.020	17	0.31	6.755	18	33.4	28.52	16	33.4	F8 J	11	5026	A -12 4014
62		6.4T	14 17.611	-0.0001	11	-18 21 15.82	0.000	11	0.53	17.614	09	01.6	15.83	10	99.8	G5	GC	19265	-17 4053
63		8.9A	14 24.338	-0.0009	18	-13 47 7.92	0.000	20	0.36	24.354	18	33.4	7.92	16	33.4	F5 J	11	5027	A -13 3864
64		8.9A	14 25.444	-0.0015	13	-11 34 47.26	-0.064	15	0.29	25.469	18	33.4	46.19	16	33.4	F2 J	11	5028	A -11 3703
65		9.0A	14 29.852	-0.0097	20	-11 25 17.81	0.002	20	0.37	30.013	18	33.4	17.84	16	33.4	K0 J	11	5029K	A -10 3865
66		9.2A	14 35.287	-0.0022	20	-18 15 36.18	-0.033	11	0.31	35.324	18	33.4	36.73	16	33.4	G0 J	12A	5324	A -17 4056
67		9.1A	14 37.094	-0.0069	21	-17 31 24.04	-0.123	15	0.35	37.209	18	33.4	22.01	16	33.4	G5 J	12A	5325	A -17 4057
68		6.9T	14 40.773	-0.0048	15	-19 43 57.33	-0.025	13	0.65	40.984	10	05.7	56.20	12	04.9	A3	GC	19278	-19 3846
69		9.3A	14 41.888	0.0000	15	-19 15 14.99	0.005	11	0.27	41.887	18	33.4	15.07	16	33.4	A0 J	12B	5979	A -18 3782
70		8.8A	14 42.040	-0.0051	20	-11 22 19.68	0.002	20	0.37	42.124	18	33.4	19.71	16	33.4	F8 J	11	5031	A -10 3866
71		8.9A	14 42.460	0.0017	20	-13 44 21.59	-0.003	20	0.37	42.432	18	33.4	21.54	16	33.4	F0 J	11	5030	A -13 3865
72		9.1A	15 4.643	0.0005	21	-15 47 40.42	-0.046	15	0.35	4.634	18	33.4	39.66	16	33.4	G0 J	12A	5326	A -15 3842
73		9.0A	15 16.853	-0.0006	21	-14 28 35.50	0.005	15	0.35	16.863	18	33.4	35.58	16	33.4	M5 J	12A	5327	A -14 3917
74		8.8A	15 19.282	0.0018	18	-19 23 59.04	-0.023	13	0.31	19.232	18	33.4	58.65	16	33.4	G0 J	12B	5982	A -18 3783
75		8.5A	15 21.066	-0.0019	13	-19 56 27.72	-0.009	09	0.26	21.097	18	33.4	27.57	16	33.4	K0 J	12B	5983	A -19 3849
76		8.9A	15 21.803	-0.0099	21	-14 40 52.88	-0.040	15	0.35	21.967	18	33.4	52.21	16	33.4	F5 J	12A	5328	A -14 3918
77		8.8A	15 30.981	-0.0050	21	-17 30 13.37	-0.044	15	0.35	31.064	18	33.4	12.65	16	33.4	K2 J	12A	5329	A -17 4061
78		9.0A	15 36.559	-0.0011	15	-18 51 0.25	-0.007	13	0.27	36.577	18	33.4	0.36	16	33.4	G5 J	12B	5984	A -18 3786
79		8.8A	15 39.274	-0.0019	18	-19 19 54.76	-0.013	13	0.31	39.305	18	33.4	54.54	16	33.4	G5 J	12B	5985	A -18 3787
80		9.1A	15 44.255	-0.0003	21	-17 27 21.93	-0.035	15	0.35	44.260	18	33.4	21.34	16	33.4	K2 J	12A	5330	A -17 4062
81		5.7H	15 52.016	-0.0045	02	-18 29 7.67	-0.047	02	0.08	52.156	04	18.7	6.22	04	18.9	A0P	F4	1369	-18 3789
82		8.7A	16 4.648	-0.0014	18	-11 34 22.98	-0.090	20	0.36	4.670	18	33.4	21.48	16	33.4	G0 J	11	5033	A -11 3708
83		9.1A	16 5.125	-0.0019	17	-12 21 12.74	-0.044	18	0.33	5.157	18	33.4	12.00	16	33.4	A3 J	11	5034	A -11 3709
84		8.7A	16 5.936	-0.0061	17	-12 9 28.88	0.008	18	0.33	6.037	18	33.4	29.01	16	33.4	F8 J	11	5035	A -11 3710
85		7.7A	16 7.509	0.0003	18	-11 49 59.58	-0.003	20	0.36	7.505	18	33.4	59.53	16	33.4	K2 J	11	5036	A -11 3711
86		9.3A	16 20.224	-0.0028	20	-16 1 17.55	0.000	11	0.31	20.271	18	33.4	17.55	16	33.4	F8 J	12A	5332	A -15 3844
87		8.8A	16 21.499	-0.0002	21	-14 17 55.75	-0.081	15	0.35	21.503	18	33.4	54.40	16	33.4	F0 J	12A	5333	A -13 3868
88		9.3A	16 22.846	-0.0011	17	-15 31 5.34	-0.046	11	0.29	22.865	18	33.4	4.57	16	33.4	G5 J	12A	5334	A -15 3846
89		4.6H	16 23.969	-0.0013	01	-13 8 30.89	0.024	01	0.04	24.020	02	09.7	31.84	02	10.7	A2	F4	1371	-12 4016
90		8.5A	16 26.031	0.0005	12	-10 22 49.57	0.013	12	0.25	26.022	16	33.4	49.78	16	33.4	K0	16	5065	A -9 3909
91		8.8A	16 28.971	-0.0036	21	-15 0 27.16	-0.031	15	0.35	29.030	18	33.4	26.64	16	33.4	K0 J	12A	5336	A -14 3922
92		8.7A	16 28.980	0.0012	17	-13 12 6.71	-0.022	18	0.33	28.960	18	33.4	6.34	16	33.4	M5 J	11	5040	A -12 4019
93		7.5A	16 31.486	-0.0015	17	-14 10 41.18	-0.025	18	0.33	31.511	18	33.4	40.76	16	33.4	M1 J	11	5041	A -13 3869
94		9.4A	16 37.790	-0.0028	11	-10 1 33.08	0.006	11	0.24	37.836	18	33.4	33.18	16	33.4	G5	16	5066	A -9 3910
95		7.6Q	16 39.662	-0.0029	09	-18 17 38.09	-0.002	08	0.45	39.805	17	00.0	38.00	15	96.7	A2	GC	19312K	B*-17 4065
96		9.4A	17 2.934	0.0025	21	-16 35 23.69	-0.002	12	0.33	2.892	18	33.4	23.66	16	33.4		12A	5338	A -16 3845
97		9.4A	17 36.007	-0.0025	21	-15 9 24.39	-0.006	15	0.35	36.049	18	33.4	24.29	16	33.4	G5 J	12A	5339	A -14 3926
98		8.6A	17 42.084	-0.0042	21	-17 17 58.07	0.002	15	0.35	42.154	18	33.4	58.10	16	33.4	K0 J	12A	5340	A -16 3843
99		8.2A	18 3.452	-0.0043	13	-19 6 15.58	0.041	09	0.26	3.523	18	33.4	16.25	16	33.4	F0 J	12B	5992	A -18 3798
00		8.0A	18 3.977	-0.0024	15	-12 8 15.53	0.019	17	0.31	4.017	18	33.4	15.84	16	33.4	K0 J	11	5043	A -11 3716

158500

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.		SOURCE CAT.	SOURCE STAR NUMBER	-10° 14H DM NUMBER
1		8.8A	14 18 8.020	-0.0030	21	-17 15 7.35	-0.048	15	0.35	8.070	18	33.4	6.55	16	33.4	G5	J	12A	5341	A -16 3844
2		8.9A	18 14.984	0.0028	21	-17 33 52.69	-0.031	15	0.35	14.938	18	33.4	52.18	16	33.4	K2	J	12A	5342	A -17 4069
3		9.2A	18 16.751	-0.0061	21	-16 39 15.72	0.021	15	0.35	16.852	18	33.4	16.07	16	33.4	G5	J	12A	5343	A -16 3845
4		8.3A	18 17.315	0.0000	11	-18 45 49.47	0.002	09	0.24	17.314	18	33.4	49.49	16	33.4	M1	J	12B	5984	A -18 3799
5		9.0A	18 29.575	-0.0019	15	-11 36 49.14	-0.039	17	0.31	29.607	18	33.4	48.49	16	33.4	M0	J	11	5044	A -11 3721
6		9.0A	18 32.668	0.0014	18	-18 35 11.14	-0.016	13	0.31	32.645	18	33.4	10.87	16	33.4	F0	J	12B	5995	A -18 3800
7		7.5A	18 34.749	-0.0018	15	-11 10 14.07	-0.029	15	0.30	34.779	18	33.4	13.59	16	33.4	A3	J	11	5045	A -10 3880
8		9.2A	18 40.181	-0.0024	21	-16 45 32.82	-0.042	15	0.35	40.221	18	33.4	32.12	16	33.4	K0	J	12A	5345	A -16 3847
9		8.6A	18 42.570	-0.0019	17	-19 27 6.70	0.021	13	0.30	42.601	18	33.4	7.04	16	33.4	A0	J	12B	5998	A -19 3859
10		9.2A	18 43.990	-0.0032	21	-17 43 31.37	-0.033	15	0.35	44.044	18	33.4	30.85	16	33.4	F5	J	12A	5346	A -17 4072
11		9.2A	18 50.017	-0.0043	21	-16 1 29.86	-0.017	15	0.35	50.088	18	33.4	29.57	16	33.4	G5	J	12A	5347	A -15 3858
12		7.4T	18 52.199	-0.0020	13	-10 8 34.94	-0.035	13	0.64	52.290	09	03.9	33.28	12	03.0	A2		GC	19357	-9 3915
13		9.1A	18 56.062	0.0024	15	-13 15 53.21	-0.024	17	0.31	56.043	18	33.4	52.81	16	33.4	F8	J	11	5046	A -12 4027
14		9.0A	19 7.585	-0.0041	15	-12 49 9.94	-0.052	17	0.31	7.652	18	33.4	9.07	16	33.4	K0	J	11	5047	A -12 4028
15		8.2A	19 8.278	0.0011	12	-10 26 20.27	-0.009	12	0.25	8.259	18	33.4	20.12	16	33.4	K0		16	5077	A -10 3882
16		8.5A	19 8.724	-0.0008	15	-12 57 16.34	0.026	17	0.31	8.737	18	33.4	16.77	16	33.4	K2	J	11	5048	A -12 4029
17		9.4A	19 12.563	-0.0026	17	-13 30 36.65	0.025	18	0.33	12.606	18	33.4	37.06	16	33.4	G5	J	11	5050	A -13 3882
18		9.0A	19 27.383	-0.0055	15	-12 19 10.41	-0.057	17	0.31	27.474	18	33.4	9.46	16	33.4	G0	J	11	5051	A -11 3724
19		8.8A	19 31.157	0.0024	18	-11 34 49.40	-0.062	20	0.36	31.117	18	33.4	48.37	16	33.4	K0	J	11	5052	A -11 3725
20		9.1A	19 50.045	-0.0076	18	-15 30 58.61	-0.036	13	0.31	50.172	18	33.4	58.01	16	33.4	G0	J	12A	5349	A -15 3859
21		9.2A	20 3.826	0.0009	22	-17 49 51.20	-0.023	13	0.35	3.810	18	33.4	50.83	16	33.4	F8	J	12A	5350	A -17 4076
22		8.6A	20 13.244	-0.0014	17	-19 58 29.25	0.056	11	0.27	13.268	18	33.4	30.18	16	33.4	K0	J	12B	6007	A -19 3866
23		8.3A	20 15.178	0.0004	17	-10 31 25.33	-0.009	18	0.33	15.171	18	33.4	25.21	16	33.4	K2	J	11	5054	A -10 3888
24		9.1A	20 15.310	0.0005	21	-17 15 41.40	-0.009	15	0.35	15.301	18	33.4	41.26	16	33.4	A0	J	12A	5351	A -16 3856
25		9.0A	20 20.130	-0.0021	22	-17 49 33.49	-0.019	13	0.35	20.164	18	33.4	33.18	16	33.4	F8	J	12A	5352	A -17 4078
26		8.6A	20 26.987	-0.0034	12	-10 12 48.91	-0.009	12	0.25	27.042	16	33.4	48.76	16	33.4	K0		16	5087	A -9 3921
27		9.0A	20 37.271	0.0009	20	-19 25 49.25	-0.000	15	0.34	37.256	18	33.4	49.24	16	33.4	K2	J	12B	6008	A -18 3808
28		6.3H	20 43.914	-0.0009	01	-11 29 12.00	-0.063	01	0.05	43.945	03	13.9	9.69	03	13.6	K0		F4	1374	-11 3729
29		9.3A	20 51.342	-0.0028	18	-12 44 57.51	-0.016	20	0.36	51.389	18	33.4	57.24	16	33.4	K0	J	11	5056	A -12 4032
30		9.1A	20 54.268	-0.0026	15	-13 28 58.86	-0.133	17	0.31	54.312	18	33.4	56.65	16	33.4	G0	J	11	5057	A -13 3886
31		9.2A	20 57.101	-0.0023	18	-12 41 34.53	-0.084	20	0.36	57.138	18	33.4	33.13	16	33.4	G0	J	11	5058	A -12 4034
32		8.4A	21 0.075	-0.0016	12	-12 45 14.86	-0.015	13	0.27	0.101	18	33.4	14.61	16	33.4	A2	J	11	5059	A -12 4036
33		9.3A	21 3.744	-0.0011	21	-15 44 39.73	-0.010	15	0.35	3.763	18	33.4	39.56	16	33.4	K0	J	12A	5353	A -15 3861
34		7.9A	21 6.393	-0.0003	13	-12 42 56.18	-0.057	15	0.29	6.398	18	33.4	55.23	16	33.4	F8	J	11	5061	A -12 4037
35		9.0A	21 7.040	-0.0038	21	-14 25 13.16	-0.034	15	0.35	7.103	18	33.4	12.59	16	33.4	K0	J	12A	5354	A -13 3887
36		9.0A	21 7.928	0.0029	21	-14 43 57.91	-0.063	15	0.35	7.880	18	33.4	56.86	16	33.4	G0	J	12A	5355	A -14 3944
37		8.6A	21 10.542	-0.0015	15	-19 56 0.84	-0.021	12	0.28	10.567	18	33.4	0.49	16	33.4	G5	J	12B	6014	A -19 3869
38		7.7A	21 12.480	0.0022	17	-19 34 26.30	-0.048	13	0.30	12.443	18	33.4	25.51	16	33.4	K0	J	12B	6015	A -19 3870
39		6.7T	21 12.815	-0.0039	09	-15 52 31.47	0.000	08	0.42	12.999	09	02.4	31.47	10	00.8	A0		GC	19408	-15 3862
40		9.0A	21 18.352	-0.0033	18	-19 31 22.98	-0.022	13	0.31	18.407	18	33.4	22.62	16	33.4	K0	J	12B	6016	A -19 3872
41		8.8A	21 24.164	-0.0006	12	-10 11 56.85	0.008	12	0.25	24.174	16	33.4	56.98	16	33.4	K0		16	5089	A -9 3925
42		7.9A	21 38.650	-0.0049	20	-19 27 28.96	0.015	15	0.34	38.732	18	33.4	29.20	16	33.4	K0	J	12B	6017	A -19 3874
43		8.6A	21 46.905	-0.0029	21	-14 33 52.12	-0.048	15	0.35	46.953	18	33.4	51.32	16	33.4	G0	J	12A	5358	A -14 3948
44		9.1A	21 47.348	-0.0016	22	-17 52 26.17	-0.015	13	0.35	47.375	18	33.4	25.93	16	33.4	K0	J	12A	5357	A -17 4083
45		8.8A	21 47.378	0.0009	18	-12 11 34.54	0.002	20	0.36	47.363	18	33.4	34.57	16	33.4	M0	J	11	5063	A -11 3735
46		7.4A	21 52.577	-0.0059	17	-13 51 19.50	-0.003	18	0.33	52.676	18	33.4	19.45	16	33.4	G5	J	11	5064	A -13 3891
47		8.7A	21 53.461	-0.0005	18	-10 52 16.53	-0.004	20	0.36	53.470	18	33.4	16.46	16	33.4	A2	J	11	5066	A -10 3891
48		8.2A	21 54.054	-0.0053	21	-14 29 15.49	-0.002	15	0.35	54.141	18	33.4	15.45	16	33.4	A2	J	12A	5359	A -14 3949
49		8.8A	21 54.180	-0.0009	17	-10 45 25.96	-0.013	18	0.33	54.195	18	33.4	25.74	16	33.4	F8	J	11	5067	A -10 3892
50		6.5T	21 59.326	-0.0051	04	-11 26 37.21	-0.034	03	0.21	59.586	07	98.6	35.30	07	94.1	F2		GC	19437K	B+-11 3736
51		9.1A	14 22 2.406	0.0024	17	-19 5 59.98	-0.023	13	0.30	2.366	18	33.4	59.59	16	33.4	F8	J	12B	6019	A -18 3813
52		8.8A	22 23.500	0.0003	21	-14 28 58.11	-0.017	15	0.35	23.495	18	33.4	57.82	16	33.4	K0	J	12A	5360	A -14 3951
53		6.9A	22 28.716	-0.0133	17	-13 35 25.46	-0.044	18	0.33	28.936	18	33.4	24.73	16	33.4	G0	J	11	5070	A -13 3894
54		6.6T	22 34.798	-0.0037	06	-13 7 40.38	0.006	04	0.24	34.959	07	06.3	40.63	07	06.2	K0		GC	19446	-12 4042
55		9.4A	22 38.839	0.0002	15	-10 52 31.61	0.018	17	0.31	38.835	18	33.4	31.91	16	33.4	G	J	11	5073	A -10 3897
56		6.7T	22 39.721	-0.0030	12	-19 44 25.50	-0.009	13	0.61	39.856	12	04.2	25.07	18	02.2	A0		GC	19448K	B+-19 3879
57		8.7A	22 40.434	-0.0069	18	-13 51 37.11	0.072	20	0.36	40.549	18	33.4	38.30	16	33.4	F0	J	11	5072	A -13 3895
58		6.4T	22 41.963	-0.0029	09	-19 44 40.45	-0.010	07	0.39	42.096	09	03.5	39.95	12	99.5	A0		GC	19449K	B+-19 3880
59		9.1A	22 44.337	0.0011	17	-13 4 24.01	0.027	18	0.33	44.319	18	33.4	24.46	16	33.4	F5	J	11	5074	A -12 4045
60		9.2A	22 52.508	0.0038	18	-12 34 20.55	-0.141	20	0.36	52.444	18	33.4	18.21	16	33.4	G5	J	11	5075	A -12 4047
61		9.0A	23 0.290	-0.0009	18	-19 17 41.98	0.014	13	0.31	0.305	18	33.4	42.21	16	33.4	G0	J	12B	6026	A -18 3816
62		8.6A	23 11.960	0.0013	21	-16 4 27.48	0.008	15	0.35	11.939	18	33.4	27.61	16	33.4	K2	J	12A	5361	A -15 3869
63		9.2A	23 13.510	-0.0012	12	-10 14 54.05	0.008	12	0.25	13.530	16	33.4	54.18	16	33.4	K0		16	5098	A -9 3933
64		8.9A	23 36.389	-0.0015	18	-19 23 19.05	0.008	13	0.31	36.414	18	33.4	19.17	16	33.4	K0	J	12B	6029	A -18 3819
65		8.8A	23 48.166	-0.0143	18	-18 35 44.40	-0.000	13	0.31	48.404	18	33.4	44.39	16	33.4	K0	J	12B	6031	A -18 3821
66		9.0A	23 55.861	-0.0003	15	-11 23 56.76	-0.010	17	0.31	55.866	18	33.4	56.59	16	33.4	A3	J	11	5076	A -10 3900
67		8.8A	24 11.337	-0.0014	15	-12 40 36.98	-0.007	17	0.31	11.360	18	33.4	36.86	16	33.4	K2	J	11	5077	A -12 4050
68		8.2A	24 12.366	-0.0012	21	-17 25 40.52	-0.011	15	0.35	12.386	18	33.4	40.33	16	33.4	K5	J	12A	5363	A -16 3867
69		9.1A	24 16.140	0.0007	21	-18 9 38.31	-0.032	15	0.35	16.128	18	33.4	37.79	16	33.4	K2	J	12A	5364	A -17 4090
70		9.2A	24 23.973	-0.0031	15	-19 29 15.59	0.002	11	0.27	24.024	18	33.4	15.61	16	33.4	G5	J	12B	6034	A -19 3886
71		9.2A	24 31.809	-0.0004	22	-15 4 39.77	-0.015	13	0.35	31.817	18	33.4	39.52	16	33.4	K0	J	12A	5365	A -14 3958
72		9.0A	24 35.884	-0.0008	13	-13 13 29.70	-0.032	15	0.29	35.897	18	33.4	29.17	16	33.4	F5	J	11	5078	A -12 4053
73		7.3T	24 37.771	-0.0118	11	-14 36 50.98	-0.061	10	0.49	38.328	09	02.9	48.02	10	01.7	F5		GC	19490	-14 3959
74		9.2A	24 38.269	-0.0034	21	-18 10 59.36	-0.314	15	0.35	38.325	18	33.4	54.16	16	33.4	G0	J	12A	5366	A -17 4092
75		8.5A	24 40.546	-0.0007	17	-15 35 21.93	0.006	15	0.31	40.557	18	33.4	22.03	16	33.4	K0	J	12A	5368	A -15 3875
76		8.8A	24 59.908	0.0015	18	-13 9 55.59	0.087	20	0.36	59.883	18	33.4	57.03	16	33.4	K2	J	11	5079	A -12 4054
77		6.7T	25 2.329	-0.0048	05	-13 8 7.78	-0.025	05	0.25	2.547	07	04.5	6.57	09	01.8	F5		GC	19494	B+-12 4055
78		9.3A	25 3.210	-0.0014	18	-18 58 56.81	0.027	15	0.32	3.233	18	33.4	57.25	16	33.4	K0	J	12B	6038	A -18 3824
79		8.3A	25 5.853	0.0009	15	-11 6 14.93	-0.007	17	0.31	5.838	18	33.4	14.81	16	33.4	F0	J	11	5081	A -10 3904
80		9.0A	25 12.470	-0.0017	18	-19 4 27.41	-0.015	13	0.31	12.499	18	33.4	27.15	16	33.4	F8	J	12B	6039	A -18 3825
81		8.7A	25 15.311	-0.0023	15	-14 9 31.34	-0.001	17	0.31	15.350	18	33.4	31.32	16	33.4	F8	J	11	5082	A -13 3902
82		8.6A	25 26.539	-0.0032	21	-17 4 5.80	0.011	15	0.35	26.592	18	33.4	5.98	16	33.4	K5	J	12A	5369	A -16 3872
83		9.4A	25 27.059	-0.0033	21	-15 53 12.92	-0.015	15	0.35	27.114	18	33.4	12.67	16	33.4	K5	J	12A	5370	A -15 3877
84		9.3A	25 33.862	0.0000	15	-18 53 53.38	-0.003	12	0.28	33.881	18	33.4	53.32	16	33.4	A5	J	12B	6042	A -18 3830
85		9.0A	25 44.315	-0.0018	22	-16 5 3.23	-0.038	13	0.35	44.346	18	33.4	2.60	16	33.4	F8	J	12A	5371	A -15 3878
86		9.2A	25 55.917	-0.0009	21	-16 44 29.42	-0.032	15	0.35	55.931	18	33.4	28.89	16	33.4	F0	J	12A	5372	A -16 3873
87		9.1A	25 57.886	-0.0012	21	-17 21 27.77	-0.036	15	0.35	57.906	18	33.4	27.18	16	33.4	K0	J	12A	5373	A -18 3874
88		9.0A	26 0.157	-0.0001	21	-16 51 10.28	-0.003	15	0.35	0.159	18	33.4	10.23	16	33.4	F8	J	12A	5374	A -16 3875
89		8.7A	26 1.317	0.0007	17	-10 56 56.58	0.032	17	0.32	1.305	18	33.4	57.11	16	33.4	F5	J	11	5083	A -10 3907
90		9.3A	26 1.616	-0.0002	15	-10 50 48.65	0.008	17	0.31	1.619	18	33.4	48.78	16	33.4	F5	J	11	5084	A -10 3908
91		9.2A	26 2.507	-0.0026	21	-17 18 14.38	-0.058	15	0.35	2.549	18	33.4	13.42	16	33.4	G5	J	12A	5375	A -16 3876
92		8.9A	26 12.764	0.0012	15	-13 32 34.48	-0.028	17	0.31	12.744	18	33.4	34.01	16	33.4	K5	J	11	5085	A -13 3907
93		8.4A	26 28.093	-0.0035	21	-15 10 10.25	-0.025	15	0.35	28.150	18	33.4	9.83	16	33.4	K0	J	12A	5376	A -14 3964
94		8.8A	26 32.429	-0.0031	21	-16 53 31.48	0.015	15	0.35	32.480	18	33.4	31.73	16	33.4	K2	J	12A	5377	A -16 3878
95		9.0A	26 42.788	-0.0001	15	-18 28 33.22	-0.006	11	0.27	42.790	18	33.4	33.13	16	33.4	K2	J	12B	6049	A -18 3835
96		9.0A	26 42.934	-0.0035	18	-18 1 55.51	-0.008	13	0.31	42.993	18	33.4	55.38	16	33.4	K2	J	12A	5379	A -17 4099
97		9.2A	26 49.236	-0.0020	11	-10 33 13.76	-0.013	11	0.24	49.269	16	33.4	13.54	16	33.4	A2		16	5109	A -10 3910
98		8.0A	26 50.208	-0.0025	13	-10 20 40.34	0.001	13	0.27	50.250	16	33.4	40.35	16	33.4	K0		16	5110	A -9 3949
99		9.0A	26 52.172	-0.0007	15	-13 36 5.81	0.006	17	0.31	52.183	18	33.4	5.91	16	33.4	A2	J	11	5087	A -13 3909
00		8.9A	26 59.757	-0.0047	18	-18 57 22.50	0.036	13	0.31	59.835	18	33.4	23.09	16	33.4	F8	J	12B	6051	A -18 3837

158600

EPOCH 1950 — ORIGINAL EPOCH — SOURCE — -10° 14H

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	α_{1950} h m s	μ s	σ_μ ".001	δ_{1950} ° ′ ″	μ' ″	σ'_μ ".001	σ_{1950} ″	α_2 s	σ ".01	ep.	δ_2 ″	σ' ".01	ep.	SP.		SOURCE CAT.	SOURCE STAR NUMBER	DM NUMBER
1		9.5A	14 28 59.845	-0.0020	21	-17 47 0.72	0.035	15	0.35	59.878	18	33.4	1.31	16	33.4	G0	J	12A	5381	A -17 4102
2		9.2A	27 24.483	0.0012	15	-14 3 15.43	0.006	17	0.31	24.463	18	33.4	15.53	16	33.4	K0	J	11	5089	A -13 3911
3		7.4A	27 29.442	-0.0037	21	-15 1 39.30	0.072	15	0.35	29.504	18	33.4	40.49	16	33.4	F5	J	12A	5382	A -14 3968
4		9.2A	27 42.229	-0.0020	22	-14 23 0.24	-0.045	13	0.35	42.263	18	33.4	59.49	16	33.4	F0	J	12A	5383	A -13 3912
5		9.3A	28 1.808	0.0035	21	-16 9 37.19	-0.033	15	0.35	1.748	18	33.4	36.64	16	33.4	K0	J	12A	5384	A -15 3882
6		8.9A	28 2.676	-0.0047	15	-13 23 4.55	-0.016	17	0.31	2.734	18	33.4	4.28	16	33.4	K2	J	11	5091	A -12 4088
7		9.0A	28 6.377	0.0008	21	-16 35 20.37	0.006	15	0.35	6.361	18	33.4	20.48	16	33.4	K0	J	12A	5385	A -16 3882
8		8.6A	28 22.293	-0.0025	15	-13 14 49.11	-0.034	17	0.31	22.330	18	33.4	48.54	16	33.4	K0	J	11	5092	A -12 4072
9		8.2A	28 23.911	-0.0001	15	-19 45 21.54	-0.041	13	0.29	23.913	18	33.4	20.86	16	33.4	G0	J	12B	6060	A -19 3899
10		9.0A	28 28.556	-0.0088	21	-16 42 21.59	-0.002	15	0.35	28.602	18	33.4	21.56	16	33.4	G5	J	12A	5386	A -16 3884
11		9.0A	28 29.284	0.0002	11	-10 4 43.59	-0.014	11	0.24	29.281	16	33.4	43.35	16	33.4	K5		16	5115	A -9 3860
12		8.3B	28 33.915	0.0147	10	-15 24 45.56	-0.374	10	0.53	33.140	14	97.1	25.05	14	95.2	G5		GC	19577K	B# -14 3970
13		8.5B	28 36.377	-0.0035	11	-11 38 57.75	-0.042	07	0.44	36.537	10	04.1	55.70	10	01.4	K0		GC	19579	-11 3753
14		9.1A	28 41.581	-0.0002	13	-13 27 3.40	0.003	15	0.29	41.583	18	33.4	3.45	16	33.4	A5	J	11	5094	A -13 3918
15		8.9A	28 43.437	0.0123	17	-13 23 36.27	-0.256	18	0.33	43.233	18	33.4	32.02	16	33.4	G0	J	11	5095	A -12 4073
16		9.4A	28 45.904	-0.0040	21	-16 47 32.97	-0.070	15	0.35	45.971	18	33.4	31.80	16	33.4	G5	J	12A	5388	A -16 3885
17		9.0A	28 46.250	-0.0034	21	-16 34 39.94	0.005	15	0.35	46.306	18	33.4	40.02	16	33.4	G5	J	12A	5389	A -16 3886
18		9.4A	28 53.896	-0.0023	21	-16 1 16.68	-0.054	15	0.35	53.935	18	33.4	15.78	16	33.4	G5	J	12A	5390	A -15 3887
19		9.0A	28 57.137	-0.0040	18	-16 29 2.05	-0.017	13	0.31	57.204	18	33.4	1.78	16	33.4	F8	J	12B	6063	A -18 3843
20		8.4A	29 3.792	-0.0008	15	-12 58 17.63	-0.006	17	0.31	3.805	18	33.4	17.53	16	33.4	G5	J	11	5096	A -12 4074
21		9.6A	29 4.854	0.0003	15	-10 51 15.62	-0.070	17	0.31	4.848	18	33.4	14.45	16	33.4	G5	J	11	5097	A -10 3917
22		7.8T	29 11.626	-0.0019	15	-16 8 30.40	-0.014	12	0.62	11.712	10	05.2	29.76	12	03.9	K0		GC	19588	-15 3892
23		8.6A	29 14.067	-0.0006	15	-12 30 11.11	-0.054	17	0.31	14.077	18	33.4	10.21	16	33.4	G5	J	11	5098	A -12 4077
24		8.7A	29 30.433	0.0014	13	-10 42 55.22	-0.004	13	0.28	30.410	18	33.4	55.15	16	33.4	G5	J	11	5099	A -10 3920
25		8.7A	29 35.021	-0.0000	21	-17 39 39.83	-0.001	12	0.33	35.022	18	33.4	39.82	16	33.4	A0	J	12A	5393	A -17 4110
26		9.0A	29 36.867	0.0001	15	-13 56 50.21	-0.050	17	0.31	36.866	18	33.4	49.38	16	33.4	F8	J	11	5100	A -13 3921
27		9.2A	29 37.355	-0.0045	21	-15 10 54.60	0.001	15	0.35	37.430	18	33.4	54.61	16	33.4	G0	J	12A	5394	A -14 3973
28		8.8A	29 38.421	-0.0031	17	-10 47 27.89	0.016	18	0.33	38.473	18	33.4	28.15	16	33.4	F8	J	11	5101	A -10 3921
29		8.4A	29 44.918	0.0003	18	-18 36 9.27	-0.017	13	0.31	44.913	18	33.4	8.98	16	33.4	K0	J	12B	6067	A -18 3846
30		9.1A	30 1.493	0.0027	18	-13 15 10.60	-0.031	20	0.36	1.447	18	33.4	10.09	16	33.4	F8	J	11	5103	A -12 4081
31		8.8A	30 4.463	-0.0004	21	-16 6 9.25	-0.021	15	0.35	4.470	18	33.4	8.89	16	33.4	K2	J	12A	5396	A -15 3893
32		9.0A	30 5.419	0.0016	21	-16 14 38.28	-0.010	15	0.35	5.392	18	33.4	38.10	16	33.4	K2	J	12A	5397	A -15 3894
33		9.0A	30 44.068	-0.0025	22	-14 47 6.40	-0.006	13	0.35	44.110	18	33.4	6.30	16	33.4	K2	J	12A	5398	A -14 3978
34		9.3A	30 46.064	-0.0020	11	-10 25 23.95	0.003	11	0.24	46.097	16	33.4	24.01	16	33.4	F8		16	5122	A -10 3923
35		8.9A	30 47.495	0.0016	17	-19 4 27.08	-0.064	13	0.30	47.469	18	33.4	26.02	16	33.4	G5	J	12B	6070	A -18 3850
36		9.0A	30 49.902	-0.0021	21	-16 10 26.43	-0.009	15	0.35	49.937	18	33.4	26.27	16	33.4	A3	J	12A	5399	A -15 3897
37		8.9A	30 50.262	0.0003	15	-13 51 25.45	-0.011	17	0.31	50.257	18	33.4	25.26	16	33.4	A2	J	11	5105	A -13 3923
38		8.8A	30 51.964	-0.0039	15	-14 6 45.15	-0.001	17	0.31	52.030	18	33.4	45.13	16	33.4	K0	J	11	5106	A -13 3924
39		8.8A	30 52.244	-0.0011	18	-13 19 13.22	-0.053	20	0.36	52.262	18	33.4	12.35	16	33.4	K0	J	11	5107	A -12 4084
40		8.9A	31 0.369	-0.0031	15	-18 58 37.94	0.015	12	0.28	0.421	18	33.4	38.17	16	33.4	F2	J	12B	6072	A -18 3852
41		9.1A	31 6.553	-0.0026	21	-15 28 39.83	0.006	15	0.35	6.596	18	33.4	39.92	16	33.4	F5	J	12A	5400	A -15 3898
42		8.1A	31 17.561	-0.0019	21	-16 36 2.19	-0.022	15	0.35	17.592	18	33.4	1.83	16	33.4	A0	J	12A	5401	A -16 3892
43		8.4A	31 21.375	0.0022	18	-19 18 1.27	-0.004	13	0.31	21.338	18	33.4	1.22	16	33.4	K0	J	12B	6074	A -18 3853
44		8.8A	31 24.677	0.0027	15	-13 1 39.37	-0.063	18	0.32	24.633	18	33.4	38.33	16	33.4	F5	J	11	5108	A -12 4086
45		8.0A	31 24.912	-0.0027	15	-13 15 36.75	-0.005	17	0.31	24.956	18	33.4	36.67	16	33.4	K0	J	11	5109	A -12 4087
46		9.2A	31 25.364	0.0014	21	-17 20 39.51	-0.011	15	0.35	25.340	18	33.4	39.69	16	33.4	K0	J	12A	5402	A -16 3894
47		8.4A	31 25.825	-0.0002	18	-19 0 29.08	-0.023	13	0.31	25.828	18	33.4	28.71	16	33.4	F5	J	12B	6075	A -18 3854
48		9.1A	31 33.482	0.0004	15	-10 40 31.72	-0.044	17	0.31	33.476	18	33.4	31.00	16	33.4	F2	J	11	5110	A -10 3924
49		8.8A	31 35.205	-0.0098	17	-10 57 24.97	-0.165	18	0.33	35.367	18	33.4	22.22	16	33.4	G5	J	11	5111	A -10 3925
50		9.5A	31 40.973	-0.0026	21	-14 34 56.51	-0.016	15	0.35	41.016	18	33.4	56.22	16	33.4	G0	J	12A	5403	A -14 3983
51		9.0A	14 31 42.324	0.0016	15	-10 46 40.25	-0.051	17	0.31	42.298	18	33.4	39.39	16	33.4	F5	J	11	5112	A -10 3926
52		9.1A	31 53.583	0.0022	15	-12 41 34.68	-0.046	17	0.31	53.545	18	33.4	33.92	16	33.4	G0	J	11	5113	A -12 4089
53		8.8A	32 2.972	0.0005	17	-10 39 28.72	-0.002	18	0.33	2.964	18	33.4	28.74	16	33.4	F5	J	11	5114	A -10 3927
54		9.2A	32 8.296	-0.0013	21	-14 35 6.66	-0.008	15	0.35	8.317	18	33.4	6.53	16	33.4	G5	J	12A	5404	A -14 3984
55		9.2A	32 15.312	-0.0012	15	-13 37 33.19	-0.047	17	0.31	15.332	18	33.4	32.41	16	33.4	G0	J	11	5116	A -13 3926
56		9.2A	32 17.042	-0.0064	22	-14 18 48.15	-0.058	13	0.35	17.149	18	33.4	47.19	16	33.4	G5	J	12A	5405	A -13 3927
57		9.2A	32 23.320	0.0013	21	-16 14 12.79	0.006	15	0.35	23.299	18	33.4	12.88	16	33.4	K0	J	12A	5406	A -15 3903
58		8.5A	32 24.446	-0.0031	18	-12 31 13.13	-0.037	20	0.36	24.498	18	33.4	12.51	16	33.4	F5	J	11	5118	A -12 4091
59		8.8A	32 26.326	0.0018	15	-11 18 50.81	-0.007	17	0.31	26.297	18	33.4	50.93	16	33.4	K2	J	11	5119	A -10 3928
60		9.1A	32 34.038	-0.0023	18	-18 36 25.96	-0.022	13	0.31	34.076	18	33.4	25.61	16	33.4	F5	J	12B	6079	A -18 3859
61		8.8A	32 35.073	-0.0005	18	-19 25 14.17	-0.002	13	0.31	35.082	18	33.4	14.15	16	33.4	G0	J	12B	6080	A -18 3858
62		9.6Q	32 39.656	-0.0186	10	-11 31 43.50	-0.000	10	0.53	40.578	15	00.3	43.47	14	97.1	K2		GC	19664	-11 3763
63		8.9A	32 54.038	0.0020	15	-13 13 21.78	0.002	17	0.31	54.005	18	33.4	21.80	16	33.4	G0	J	11	5121	A -12 4092
64		9.3A	32 56.102	0.0037	18	-17 29 34.81	-0.037	11	0.30	56.040	18	33.4	34.19	16	33.4	G0	J	12A	5407	A -17 4119
65			33 1.226	-0.0016	21	-17 49 7.46	-0.029	15	0.35	1.253	18	33.4	6.98	16	33.4	G5	J	12A	5408V	A -17 4122
66		9.0A	33 7.525	-0.0008	15	-18 45 17.06	0.000	12	0.28	7.538	18	33.4	17.07	16	33.4	K0	J	12B	6081	A -18 3860
67		9.1A	33 29.386	0.0019	17	-19 59 14.60	-0.071	13	0.30	29.354	18	33.4	13.42	16	33.4	G5	J	12B	6083	A -19 3908
68		8.7A	33 35.299	-0.0019	15	-13 48 38.49	-0.015	17	0.31	35.325	18	33.4	38.23	16	33.4	K5	J	11	5122	A -13 3931
69		9.0A	33 45.025	-0.0015	15	-10 52 24.02	-0.005	17	0.31	45.051	18	33.4	23.95	16	33.4	K5	J	11	5123	A -10 3932
70		8.7A	33 54.392	0.0001	15	-12 16 35.57	-0.017	17	0.31	54.391	18	33.4	35.29	16	33.4	A3	J	11	5124	A -11 3766
71		9.2A	33 55.063	-0.0046	21	-16 13 12.46	0.021	15	0.35	55.140	18	33.4	12.80	16	33.4	G5	J	12A	5409	A -15 3906
72		9.3A	33 56.820	-0.0014	17	-18 37 10.63	-0.013	13	0.30	56.844	18	33.4	10.42	16	33.4	K2	J	12B	6085	A -18 3863
73		9.1A	33 57.855	-0.0085	15	-13 51 21.38	-0.050	17	0.31	57.997	18	33.4	20.54	16	33.4	G5	J	11	5125	A -13 3932
74		8.8A	34 0.331	0.0022	15	-19 53 57.83	-0.007	12	0.28	0.295	18	33.4	57.71	16	33.4	K2	J	12B	6086	A -19 3909
75		8.4A	34 0.821	0.0029	13	-11 25 35.59	-0.009	15	0.29	0.774	18	33.4	35.45	16	33.4	B9	J	11	5126	A -11 3767
76		8.9A	34 15.708	-0.0028	15	-12 22 27.03	-0.056	15	0.30	15.754	18	33.4	26.11	16	33.4	F8	J	11	5127	A -11 3769
77		6.2H	34 19.910	-0.0594	02	-12 5 37.96	0.360	02	0.06	21.936	03	15.9	50.37	03	15.6	F8		F4	1361	-11 3770
78		9.3A	34 20.859	-0.0054	21	-16 6 54.31	-0.026	12	0.33	20.949	18	33.4	53.88	16	33.4	F5	J	12A	5410	A -17 4126
79		9.1A	34 23.889	-0.0003	15	-12 56 28.76	-0.022	17	0.31	23.894	18	33.4	28.40	16	33.4	K0	J	11	5128	A -12 4097
80		9.4A	34 25.451	0.0009	21	-18 11 37.52	-0.028	15	0.35	25.437	18	33.4	37.06	16	33.4	K5	J	12A	5411	A -17 4127
81		9.0A	34 40.555	0.0008	15	-12 27 53.97	-0.002	17	0.31	40.542	18	33.4	53.94	16	33.4	K0	J	11	5130	A -12 4100
82		8.8A	34 47.219	-0.0040	21	-16 19 22.10	-0.163	15	0.35	47.285	18	33.4	19.39	16	33.4	K2	J	12A	5412	A -15 3911
83		9.4A	34 59.671	0.0024	18	-17 35 49.34	-0.005	13	0.31	59.631	18	33.4	49.26	16	33.4	G5	J	12A	5413	A -17 4128
84		9.0A	35 8.691	-0.0029	15	-12 54 55.71	-0.066	17	0.31	8.739	18	33.4	54.62	16	33.4	G0	J	11	5131	A -12 4101
85		8.2A	35 18.493	-0.0001	13	-13 3 5.73	0.005	15	0.29	18.495	18	33.4	5.82	16	33.4	K5	J	11	5132	A -12 4102
86		7.4T	35 24.526	-0.0156	22	-12 41 38.25	-0.034	20	0.67	25.144	18	10.3	36.87	19	08.8	G0		GC	19717	-12 4104
87		8.8A	35 27.008	-0.0031	21	-14 44 20.41	-0.045	15	0.35	27.060	18	33.4	19.67	16	33.4	K5	J	12A	5414	A -14 3996
88		8.9Q	35 27.947	0.0019	12	-12 51 14.19	-0.289	10	0.58	27.853	18	01.1	59.11	15	97.9	G5		GC	19720	-12 4105
89		8.7A	35 38.175	-0.0046	21	-16 19 37.86	-0.017	15	0.35	38.252	18	33.4	37.57	16	33.4	K0	J	12A	5415	A -15 3914
90		9.0A	35 42.210	0.0009	21	-17 39 53.60	0.006	15	0.35	42.194	18	33.4	53.70	16	33.4	A2	J	12A	5416	A -17 4133
91		9.0A	35 49.644	0.0002	18	-11 30 18.93	0.005	20	0.36	49.640	18	33.4	19.00	16	33.4	K0	J	11	5135	A -11 3775
92		9.4A	35 53.006	-0.0002	21	-16 17 38.39	-0.023	15	0.35	53.009	18	33.4	38.00	16	33.4	G5	J	12A	5417	A -15 3915
93		9.3A	35 53.737	-0.0015	13	-11 28 12.37	0.008	15	0.29	53.763	18	33.4	12.51	16	33.4	K0	J	11	5136	A -11 3776
94		8.7A	35 57.758	0.0015	15	-19 43 34.05	0.006	12	0.28	57.733	18	33.4	34.15	16	33.4	A5	J	12B	6094	A -19 3920
95		9.0A	36 3.753	-0.0008	15	-12 36 33.40	0.029	17	0.31	3.763	18	33.4	33.89	16	33.4	G5	J	11	5137	A -12 4107
96		8.8T	36 18.866	-0.0011	06	-10 20 23.74	0.008	06	0.31	18.923	07	99.8	24.19	09	96.9	G5		GC	19732	-9 3975
97		9.4A	36 21.343	0.0002	17	-19 54 10.38	-0.013	13	0.30	21.339	18	33.4	10.16	16	33.4	F8	J	12B	6097	A -19 3922
98		8.7A	36 27.194	-0.0036	17	-19 14 29.15	-0.041	13	0.30	27.257	18	33.4	28.47	16	33.4	G5	J	12B	6098	A -18 3869
99		9.2A	36 27.339	0.0015	21	-17 31 0.38	0.007	15	0.35	27.314	18	33.4	0.50	16	33.4	G0	J	12A	5418	A -17 4136
00		9.4A	36 32.922	-0.0036	21	-14 27 26.07	-0.009	15	0.35	32.982	18	33.4	25.91	16	33.4	K2	J	12A	5419	A -14 4002

158700

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	SOURCE CAT.	STAR NUMBER	-10° 14H DM NUMBER
1		8.7Q	14 36 33.655	0.0018	12	-11 22 45.95	-0.034	10	0.55	33.572	18	05.0	44.29	18	01.9	K2	GC	19740	-10 3936
2		8.8A	36 35.838	-0.0046	21	-17 40 21.70	-0.035	15	0.35	35.915	18	33.4	21.12	16	33.4	F8 J	12A	5420	A -17 4138
3		8.8A	36 36.994	-0.0031	15	-19 39 8.18	-0.023	12	0.28	37.045	18	33.4	7.79	16	33.4	K2 J	12B	6100	A -19 3926
4		9.3A	36 43.393	0.0012	18	-19 57 52.23	-0.004	00	0.27	43.374	18	33.4	52.16	16	33.4	G5 J	12B	6101	A -19 3927
5		8.6A	36 53.375	-0.0003	21	-16 22 30.09	-0.007	15	0.35	53.380	18	33.4	29.97	16	33.4	K0 J	12A	5421	A -15 3920
6		8.9A	36 55.470	-0.0004	15	-13 52 22.79	-0.034	18	0.32	55.476	18	33.4	22.22	16	33.4	F5 J	11	5141	A -13 3938
7		8.8A	36 57.225	0.0013	15	-13 45 57.72	-0.015	17	0.31	57.204	18	33.4	57.46	16	33.4	F8 J	11	5142	A -13 3939
8		8.9A	37 1.116	0.0040	15	-11 54 21.32	0.012	17	0.31	1.049	18	33.4	21.52	16	33.4	K0 J	11	5143	A -11 3779
9		8.8A	37 2.444	-0.0013	15	-12 9 15.24	0.007	17	0.31	2.465	18	33.4	15.36	16	33.4	K0 J	11	5144	A -11 3780
10		9.1A	37 5.179	0.0010	15	-11 54 51.62	-0.034	17	0.31	5.163	18	33.4	51.05	16	33.4	K0 J	11	5145	A -11 3782
11		8.8A	37 8.350	-0.0012	17	-19 25 32.00	0.006	13	0.30	8.369	18	33.4	32.11	16	33.4	K0 J	12B	6103	A -19 3929
12		9.3A	37 11.976	-0.0039	15	-19 46 39.87	0.007	12	0.28	12.040	18	33.4	39.98	16	33.4	G0 J	12B	6105	A -19 3931
13		8.8A	37 12.731	0.0019	21	-17 14 9.79	-0.018	15	0.35	12.699	18	33.4	9.49	16	33.4	K2 J	12A	5422	A -16 3914
14		9.1A	37 16.157	0.0003	15	-12 21 47.82	-0.024	17	0.31	16.152	18	33.4	47.41	16	33.4	G5 J	11	5146	A -11 3783
15		8.3A	37 22.330	0.0015	21	-15 59 13.07	-0.078	15	0.35	22.305	18	33.4	11.77	16	33.4	K2 J	12A	5423	A -15 3922
16		9.0A	37 24.493	-0.0013	21	-15 3 15.59	-0.000	15	0.35	24.514	18	33.4	15.58	16	33.4	F5 J	12A	5424	A -14 4003
17		9.0A	37 24.802	-0.0006	17	-19 9 8.68	-0.016	13	0.30	24.812	18	33.4	8.43	16	33.4	A5 J	12B	6106	A -18 3872
18		9.2A	37 31.287	0.0018	15	-13 52 28.16	-0.050	17	0.31	31.258	18	33.4	27.32	16	33.4	F5 J	11	5147	A -13 3942
19			37 34.862	-0.0012	24	-17 26 35.96	0.004	17	0.38	34.882	18	33.4	36.03	16	33.4		12A	5425V	A -17 4142
20		7.9A	37 45.371	-0.0079	18	-15 59 40.20	-0.082	13	0.31	45.502	18	33.4	38.83	16	33.4	G5 J	12A	5427	A -15 3924
21		9.2A	37 45.384	-0.0003	18	-17 34 17.07	-0.024	13	0.31	45.389	18	33.4	16.67	16	33.4	G0 J	12A	5426	A -17 4144
22		7.2T	37 47.693	-0.0007	12	-13 49 57.94	-0.007	14	0.61	47.724	10	04.8	57.61	12	04.8	K5	GC	19756	-13 3944
23		9.1A	37 48.319	-0.0014	15	-19 31 5.25	0.004	11	0.27	48.342	18	33.4	5.31	16	33.4	K5 J	12B	6109	A -19 3934
24		9.4A	38 0.860	-0.0018	21	-17 45 42.77	-0.045	15	0.35	0.890	18	33.4	42.02	16	33.4	K0 J	12A	5428	A -17 4146
25		8.9A	38 8.762	-0.0051	21	-15 6 22.05	-0.007	15	0.35	8.847	18	33.4	21.93	16	33.4	K0 J	12A	5429	A -14 4006
26		8.9A	38 9.312	-0.0009	17	-18 35 4.49	0.019	13	0.30	9.327	18	33.4	4.81	16	33.4	G0 J	12B	6110	A -18 3875
27		9.1A	38 9.662	0.0014	15	-11 35 57.61	0.000	17	0.31	9.639	18	33.4	57.62	16	33.4	K2 J	11	5149	A -11 3785
28		8.8A	38 16.990	-0.0025	21	-15 39 20.26	0.028	15	0.35	17.031	18	33.4	20.72	16	33.4	K0 J	12A	5430	A -15 3927
29		9.0A	38 18.612	-0.0012	09	-10 30 43.90	-0.012	09	0.22	18.633	16	33.4	43.69	16	33.4	MA	16	5156	A -10 3940
30		8.9A	38 34.797	-0.0027	15	-13 42 54.68	-0.013	17	0.31	34.842	18	33.4	54.46	16	33.4	G5 J	11	5151	A -13 3947
31		7.5A	38 36.204	-0.0026	15	-19 42 51.01	-0.012	11	0.27	36.247	18	33.4	50.81	16	33.4	K0 J	12B	6112	A -19 3939
32		8.0A	38 36.743	0.0023	17	-11 9 2.89	-0.046	18	0.33	36.706	18	33.4	2.13	16	33.4	K2 J	11	5152	A -10 3941
33		9.2A	38 44.535	-0.0019	21	-14 15 0.20	-0.024	15	0.35	44.566	18	33.4	-59.80	16	33.4	F5 J	12A	5431	A -13 3949
34		8.6A	38 48.956	-0.0014	13	-12 30 24.97	-0.007	15	0.29	48.979	18	33.4	24.86	16	33.4	G0 J	11	5154	A -12 4114
35		9.0A	38 54.218	-0.0019	15	-19 59 31.74	-0.011	11	0.27	54.249	18	33.4	31.55	16	33.4	K0 J	12B	6115	A -19 3942
36		8.6A	38 57.878	0.0027	15	-10 38 12.19	-0.014	17	0.31	57.834	18	33.4	11.96	16	33.4	K0 J	11	5155	A -10 3943
37		9.0A	38 59.494	-0.0004	21	-16 23 22.00	-0.014	15	0.35	59.500	18	33.4	21.76	16	33.4	F5 J	12A	5433	A -15 3930
38		8.4A	39 0.390	-0.0021	17	-18 27 25.90	-0.026	13	0.30	0.426	18	33.4	25.47	16	33.4	F5 J	12B	6116	A -18 3879
39		9.0A	39 1.420	-0.0026	18	-17 3 58.17	-0.010	11	0.30	1.462	18	33.4	58.00	16	33.4	G0 J	12A	5434	A -16 3917
40		8.9A	39 12.136	0.0013	15	-12 3 40.53	0.022	17	0.31	12.114	18	33.4	40.90	16	33.4	G0 J	11	5156	A -11 3788
41		8.3A	39 18.727	-0.0038	15	-13 38 28.06	-0.009	17	0.31	18.790	18	33.4	27.91	16	33.4	G5 J	11	5157	A -13 3957
42		7.1T	39 19.251	0.0006	06	-12 1 19.67	-0.005	06	0.32	19.219	09	00.5	19.44	10	98.5	K0	GC	19792	-11 3789
43		9.0A	39 28.460	-0.0027	21	-17 36 37.47	-0.016	15	0.35	28.505	18	33.4	37.20	16	33.4	A5 J	12A	5435	A -17 4152
44		9.3A	39 29.098	-0.0002	15	-13 39 28.19	-0.006	17	0.31	29.102	18	33.4	28.08	16	33.4	F8 J	11	5159	A -13 3959
45		9.1A	39 36.338	-0.0008	21	-17 6 3.25	0.003	12	0.33	36.350	18	33.4	3.30	16	33.4	A5 J	12A	5436	A -16 3919
46		8.6Q	39 37.534	-0.0085	07	-11 56 28.54	-0.024	07	0.37	37.924	15	03.9	27.27	15	98.3	G5	GC	19801	-11 3791
47		8.7A	39 39.162	-0.0076	21	-18 6 5.80	-0.004	15	0.35	39.288	18	33.4	5.73	16	33.4	F8 J	12A	5437	A -17 4154
48		9.4A	39 40.083	-0.0032	21	-15 59 24.55	0.008	15	0.35	40.136	18	33.4	24.68	16	33.4	A5 J	12A	5439	A -15 3936
49		8.8A	39 40.131	0.0000	21	-16 23 6.94	0.003	15	0.35	40.130	18	33.4	6.98	16	33.4	K0 J	12A	5438	A -15 3935
50		9.2A	39 41.832	-0.0028	21	-18 0 14.86	0.011	15	0.35	41.878	18	33.4	15.04	16	33.4	G0 J	12A	5440	A -17 4155
51		9.0A	14 39 53.778	-0.0016	21	-18 7 54.61	0.001	15	0.35	53.804	18	33.4	54.63	16	33.4	F2 J	12A	5441K	A -17 4157
52		7.0T	39 56.478	-0.0036	11	-19 5 58.64	0.029	10	0.42	56.620	09	10.1	59.79	09	11.0	K0	GC	19806	-18 3882
53		8.9A	39 59.563	-0.0014	18	-12 23 8.08	0.019	20	0.36	59.587	18	33.4	8.39	16	33.4	A0 J	11	5162	A -11 3793
54		9.1A	40 10.275	-0.0051	17	-19 41 23.18	-0.035	13	0.30	10.360	18	33.4	22.59	16	33.4	F8 J	12B	6121	A -19 3944
55		9.6A	40 14.059	-0.0068	21	-16 26 34.88	-0.038	15	0.35	14.172	18	33.4	34.24	16	33.4	G5 J	12A	5442	A -16 3923
56		9.2A	40 17.283	-0.0036	21	-17 6 0.03	-0.028	12	0.33	17.343	18	33.4	-59.56	16	33.4	K0 J	12A	5443	A -16 3924
57		8.9A	40 22.678	-0.0010	15	-10 37 40.56	-0.003	17	0.31	22.695	18	33.4	40.50	16	33.4	K0 J	11	5163	A -10 3947
58		9.1A	40 36.668	0.0002	15	-18 50 13.55	0.027	12	0.28	36.664	18	33.4	14.01	16	33.4	G5 J	12B	6123	A -18 3884
59		8.4A	40 37.568	-0.0018	12	-10 22 35.64	-0.022	12	0.25	37.597	16	33.4	35.28	16	33.4	F8	16	5166	A -9 3983
60		8.5A	40 44.316	-0.0014	17	-18 44 29.67	0.001	13	0.30	44.340	18	33.4	29.70	16	33.4	K0 J	12B	6125	A -18 3885
61		8.5A	40 51.139	0.0013	18	-11 24 20.67	0.013	20	0.36	51.117	18	33.4	20.89	16	33.4	A2 J	11	5165	A -11 3795
62		9.4A	40 55.390	0.0012	15	-12 41 45.62	-0.000	17	0.31	55.370	18	33.4	45.61	16	33.4	F8 J	11	5166	A -12 4120
63		9.0A	41 3.310	-0.0000	17	-12 54 34.88	0.010	18	0.33	3.310	18	33.4	35.06	16	33.4	K2 J	11	5167	A -12 4121
64		9.2A	41 8.351	-0.0000	18	-12 49 16.61	0.012	20	0.36	8.351	18	33.4	16.80	16	33.4	G5 J	11	5168	A -12 4122
65		9.1A	41 26.542	-0.0034	21	-15 30 40.44	0.026	15	0.35	26.598	18	33.4	40.86	16	33.4	A3 J	12A	5444	A -15 3941
66		8.3A	41 34.449	-0.0052	15	-11 24 21.84	-0.015	17	0.31	34.534	18	33.4	21.60	16	33.4	G0 J	11	5169	A -11 3797
67		8.4A	41 42.183	-0.0002	21	-16 39 49.85	-0.010	15	0.35	42.186	18	33.4	49.68	16	33.4	K2P J	12A	5445	A -16 3929
68		8.9A	41 55.059	0.0005	18	-12 57 23.94	-0.036	20	0.36	55.051	18	33.4	23.33	16	33.4	K2 J	11	5170	A -12 4123
69		8.7A	42 1.887	-0.0018	17	-13 37 55.43	-0.005	18	0.33	1.917	18	33.4	55.34	16	33.4	K8 J	11	5171	A -13 3965
70		9.0A	42 2.836	0.0014	18	-12 52 0.95	0.000	20	0.36	2.812	18	33.4	0.96	16	33.4	K0 J	11	5172	A -12 4125
71		8.9A	42 6.698	-0.0000	15	-14 8 56.36	-0.014	17	0.31	6.699	18	33.4	56.12	16	33.4	F0 J	11	5173	A -13 3967
72		8.6A	42 8.893	0.0039	15	-10 39 29.97	-0.053	17	0.31	8.829	18	33.4	29.08	16	33.4	K0 J	11	5174	A -10 3950
73		8.8A	42 10.537	-0.0005	15	-11 0 28.66	-0.019	17	0.31	10.546	18	33.4	28.33	16	33.4	K0 J	11	5175	A -10 3951
74		8.8A	42 31.114	-0.0092	21	-17 47 30.33	-0.083	15	0.35	31.267	18	33.4	28.95	16	33.4	F8 J	12A	5446	A -17 4169
75		8.4A	42 31.565	0.0014	15	-12 45 54.96	-0.009	17	0.31	31.541	18	33.4	54.82	16	33.4	F8 J	11	5176	A -12 4128
76		9.2A	42 40.504	-0.0021	21	-15 17 36.29	-0.022	15	0.35	40.539	18	33.4	35.92	16	33.4	G5 J	12A	5447	A -14 4021
77		9.0A	42 46.023	-0.0010	17	-18 51 44.23	-0.005	13	0.30	46.040	18	33.4	44.16	16	33.4	F0 J	12B	6134	A -18 3888
78		8.8A	42 49.047	-0.0019	21	-16 32 0.82	-0.017	15	0.35	49.078	18	33.4	0.54	16	33.4	G5 J	12A	5448	A -16 3934
79		9.0A	42 50.448	-0.0011	15	-13 49 41.15	-0.009	17	0.31	50.466	18	33.4	41.00	16	33.4	A5 J	11	5178	A -13 3972
80		7.8A	42 56.624	0.0027	15	-11 12 40.38	-0.119	17	0.31	56.579	18	33.4	38.41	16	33.4	G5 J	11	5179	A -10 3956
81		8.7A	42 59.517	-0.0001	15	-11 6 31.92	-0.002	17	0.31	59.518	18	33.4	31.88	16	33.4	F8 J	11	5180	A -10 3957
82		8.4A	43 1.193	-0.0024	21	-18 7 52.20	-0.024	15	0.35	1.233	18	33.4	51.80	16	33.4	K2 J	12A	5449	A -17 4171
83		8.7A	43 1.216	-0.0024	15	-12 8 37.36	-0.003	17	0.31	1.255	18	33.4	37.30	16	33.4	F0 J	11	5181	A -11 3800
84		8.0A	43 5.105	0.0037	18	-17 29 16.82	-0.047	13	0.31	5.043	18	33.4	16.04	16	33.4	K5 J	12A	5450	A -17 4172
85		9.0A	43 5.809	0.0021	21	-14 46 53.42	-0.034	15	0.35	5.774	18	33.4	52.86	16	33.4	F8 J	12A	5451	A -14 4022
86		9.1A	43 6.379	-0.0019	15	-18 45 10.77	0.020	11	0.27	6.411	18	33.4	11.11	16	33.4	K0 J	12B	6136	A -18 3889
87		8.9A	43 10.749	-0.0013	15	-14 13 59.11	-0.024	15	0.30	10.770	18	33.4	58.70	16	33.4	F5 J	11	5182	A -13 3973
88		6.6T	43 12.051	-0.0024	03	-15 14 59.84	-0.005	03	0.17	12.182	06	94.4	59.53	06	91.4	K0	GC	19870K	B*-14 4023
89		8.9A	43 12.256	-0.0005	18	-16 39 17.92	-0.000	13	0.31	12.264	18	33.4	17.92	16	33.4	K0 J	12A	5452	A -16 3936
90		8.9A	43 21.902	-0.0005	15	-13 33 20.54	0.043	18	0.32	21.911	18	33.4	21.25	16	33.4	G5 J	11	5183	A -13 3974
91		9.1A	43 26.018	-0.0004	15	-13 31 26.83	-0.000	17	0.31	26.025	18	33.4	26.82	16	33.4	K7 J	11	5184	A -13 3975
92		8.9A	43 35.694	-0.0022	15	-10 52 54.51	-0.017	17	0.31	35.731	18	33.4	54.22	16	33.4	A0 J	11	5185	A -10 3958
93		8.7A	43 42.430	0.0001	12	-10 17 15.18	-0.005	12	0.25	42.428	16	33.4	15.11	16	33.4	K0	16	5183	A -9 3988
94		9.2A	43 49.229	-0.0018	21	-14 51 49.70	-0.025	15	0.35	49.260	18	33.4	49.29	16	33.4	G5 J	12A	5454	A -14 4027
95		9.1A	43 51.520	-0.0057	15	-19 28 6.56	-0.143	11	0.27	51.615	18	33.4	4.20	16	33.4	G5 J	12B	6143	A -19 3957
96		9.2A	43 53.659	-0.0014	21	-17 19 26.09	0.013	15	0.35	53.682	18	33.4	26.31	16	33.4	F0 J	12A	5455	A -16 3938
97		8.9A	44 2.555	-0.0013	18	-19 8 4.58	-0.033	13	0.31	2.577	18	33.4	4.04	16	33.4	F8 J	12B	6147	A -18 3898
98		9.3A	44 3.551	-0.0005	17	-19 36 27.20	-0.043	13	0.30	3.559	18	33.4	26.48	16	33.4	G0 J	12B	6148	A -19 3958
99		9.0A	44 15.657	0.0002	21	-16 15 52.07	-0.003	15	0.35	15.653	18	33.4	52.01	16	33.4	A3 J	12A	5456	A -15 3949
00		8.6A	44 23.025	0.0016	15	-11 20 32.83	0.015	17	0.31	22.999	18	33.4	33.09	16	33.4	G5 J	11	5187	A -10 3961

158800

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	EPOCH 1950 μ s	EPOCH 1950 σ_μ ″.001	EPOCH 1950 δ_{1950} ° ′ ″	EPOCH 1950 μ' ″	EPOCH 1950 $\sigma_{\mu'}$ ″.001	EPOCH 1950 σ_{1950} ″	ORIGINAL EPOCH α_2 s	ORIGINAL EPOCH σ ″.01	ORIGINAL EPOCH ep.	ORIGINAL EPOCH δ_2 ″	ORIGINAL EPOCH σ' ″.01	ORIGINAL EPOCH ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	-10° 14H DM NUMBER
1		8.2B	14 44 23.089	-0.0025	14	-11 9 36.36	-0.019	12	0.62	23.195	18	06.8	35.48	19	04.4	A3	GC	19096	-10 3962
2		8.9A	44 28.640	0.0023	15	-13 37 6.90	-0.047	17	0.31	26.602	18	33.4	6.11	16	33.4	G0 J	11	5189	A -13 3980
3		9.0A	44 32.942	-0.0049	17	-18 16 32.12	-0.026	13	0.30	33.023	18	33.4	31.69	16	33.4	G5 J	12B	6150	A -17 4177
4		8.4A	44 54.993	0.0001	15	-12 43 34.13	0.010	17	0.31	54.992	18	33.4	34.31	16	33.4	F2 J	11	5190	A -12 4133
5		8.1A	45 0.398	-0.0018	15	-12 9 47.41	0.020	17	0.31	0.421	18	33.4	47.75	16	33.4	F2 J	11	5191	A -11 3805
6		9.3A	45 0.461	-0.0052	12	-10 23 7.13	-0.022	12	0.25	0.548	16	33.4	6.75	16	33.4	G0	16	5189	A -9 3985
7		8.8A	45 9.293	0.0002	15	-11 20 8.27	-0.083	17	0.31	9.289	18	33.4	6.88	16	33.4	G0 J	11	5193	A -10 3984
8		8.4T	45 10.943	0.0027	09	-12 37 50.13	-0.090	08	0.40	10.816	07	03.1	45.81	09	02.3	G5	GC	19912	-12 4134
9		8.8A	45 15.937	-0.0041	12	-10 17 29.19	0.010	12	0.25	16.006	16	33.4	29.35	16	33.4	K2	16	5191	A -9 3986
10		9.0A	45 38.288	-0.0020	15	-10 47 19.07	-0.031	17	0.31	38.322	18	33.4	18.56	16	33.4	G0 J	11	5196	A -10 3965
11		9.0A	45 39.491	-0.0017	21	-15 1 7.91	0.001	15	0.35	39.519	18	33.4	7.92	16	33.4	K0 J	12A	5459	A -14 4031
12		9.2A	45 41.601	-0.0006	21	-17 50 50.03	0.026	15	0.35	41.611	18	33.4	50.46	16	33.4	K0 J	12A	5458	A -17 4180
13		7.0T	45 43.957	0.0030	13	-17 7 56.10	-0.077	11	0.57	43.827	15	06.9	32.53	15	03.7	G0	GC	19921K	B#-16 3939
14		9.4A	45 48.247	-0.0019	21	-16 46 36.40	-0.006	15	0.35	48.278	18	33.4	36.25	16	33.4	A5 J	12A	5461	A -16 3940
15		7.9B	46 4.902	0.0004	08	-12 54 42.84	-0.017	08	0.44	4.882	17	01.1	41.94	17	98.8	K0	GC	19927	-12 4137
16		8.5A	46 9.031	-0.0019	15	-12 34 23.08	-0.009	17	0.31	9.061	18	33.4	22.94	16	33.4	F5 J	11	5198	A -12 4138
17		7.5A	46 28.552	0.0035	15	-10 37 12.24	0.007	15	0.30	28.493	18	33.4	12.36	16	33.4	F8 J	11	5199K	A -10 3967
18		9.4A	46 29.882	-0.0017	21	-15 2 22.77	-0.011	15	0.35	29.910	18	33.4	22.59	16	33.4	F8 J	12A	5466	A -14 4035
19		9.4A	46 30.840	-0.0025	21	-16 20 57.93	-0.026	15	0.35	30.881	18	33.4	57.49	16	33.4	F8 J	12A	5465	A -15 3962
20		9.1A	46 31.815	-0.0024	18	-15 8 12.40	-0.053	13	0.31	31.855	18	33.4	11.51	16	33.4	G0 J	12A	5467	A -14 4036
21		5.4T	46 34.325	-0.0044	03	-13 56 30.44	-0.019	02	0.14	34.537	06	01.7	29.44	06	98.6	A2p	GC	19938K	B#-13 3986
22		7.4A	46 37.758	0.0000	13	-19 41 48.28	0.004	09	0.26	37.737	18	33.4	48.34	16	33.4	A3 J	12B	6154	A -19 3966
23		9.0A	46 46.323	-0.0001	15	-19 18 2.94	-0.013	12	0.28	46.325	18	33.4	2.73	16	33.4	F0 J	12B	6155K	A -18 3904
24		8.6A	46 52.509	-0.0004	17	-18 44 6.93	-0.018	13	0.30	52.515	18	33.4	6.64	16	33.4	K0 J	12B	6156	A -18 3905
25		8.0A	47 14.818	-0.0043	15	-13 18 7.61	-0.021	17	0.31	14.888	18	33.4	7.27	16	33.4	F0 J	11	5202	A -12 4141
26		9.1A	47 16.015	0.0008	21	-15 53 42.80	0.007	15	0.35	16.002	18	33.4	42.91	16	33.4	K2 J	12A	5468	A -15 3963
27		9.2A	47 16.327	-0.0005	18	-15 9 21.03	-0.023	13	0.31	16.336	18	33.4	20.64	16	33.4	F5 J	12A	5469	A -14 4038
28		7.2T	47 20.333	0.0004	26	-15 19 9.46	-0.012	22	1.00	20.315	22	10.3	8.95	22	08.6	K0	GC	19953	-14 4039
29		8.6A	47 21.000	-0.0035	21	-16 12 0.40	-0.003	15	0.35	21.058	18	33.4	0.34	16	33.4	A3 J	12A	5471	A -15 3964
30		9.1A	47 26.659	-0.0029	18	-18 6 21.85	-0.014	11	0.30	26.708	18	33.4	21.62	16	33.4	K2 J	12A	5472	A -17 4187
31		8.0A	47 30.736	0.0026	21	-15 8 9.29	-0.013	15	0.35	30.693	18	33.4	9.06	16	33.4	F0 J	12A	5473	A -14 4040
32		8.7A	47 39.342	-0.0036	12	-18 38 54.08	-0.002	09	0.24	39.402	18	33.4	54.05	16	33.4	F0 J	12B	6164	A -18 3906
33		8.4A	47 44.968	0.0008	18	-18 25 27.83	0.003	15	0.32	44.955	18	33.4	27.88	16	33.4	K0 J	12B	6167	A -18 3908
34		9.2A	47 46.755	0.0005	12	-10 6 45.20	0.025	12	0.25	46.746	16	33.4	45.62	16	33.4	G5 R	16	5206	A -9 4005
35		7.1T	47 53.190	-0.0011	15	-11 48 42.71	0.007	12	0.76	53.245	24	98.0	43.07	22	94.1	F2	GC	19967	-11 3814
36		5.3H	47 54.959	-0.0070	01	-15 47 25.90	-0.072	01	0.06	55.288	03	03.0	22.69	03	05.5	F5	F4	1387	-15 3965
37		8.9A	48 0.643	-0.0051	12	-10 12 32.56	0.015	12	0.25	0.728	16	33.4	32.80	16	33.4	K0 R	16	5207	A -9 4008
38		9.0A	48 2.001	-0.0008	12	-10 11 51.05	-0.010	12	0.25	2.015	16	33.4	50.92	16	33.4	K0	16	5209	A -9 4009
39		9.2A	48 4.202	-0.0059	21	-16 39 47.03	-0.055	15	0.35	4.300	18	33.4	46.12	16	33.4	G0 J	12A	5476	A -16 3947
40		2.9H	48 6.447	-0.0075	01	-15 50 6.59	-0.071	01	0.03	6.785	02	05.0	3.31	02	03.9	A3	F4	548	-15 3966
41		8.9A	48 10.638	0.0013	15	-13 8 31.17	-0.002	17	0.31	10.616	18	33.4	31.14	16	33.4	F0 J	11	5204	A -12 4145
42		7.4A	48 17.897	-0.0038	21	-14 49 18.92	0.006	15	0.35	17.959	18	33.4	19.02	16	33.4	F5 J	12A	5478	A -14 4045
43		8.1A	48 21.064	0.0010	18	-18 42 45.26	-0.060	13	0.31	21.047	18	33.4	44.27	16	33.4	G5 J	12B	6172	A -18 3912
44		9.1A	48 26.344	-0.0022	18	-10 42 57.19	-0.064	20	0.36	26.380	18	33.4	56.28	16	33.4	F8 J	11	5205	A -10 3973
45		8.2A	48 29.844	-0.0013	15	-13 24 6.22	0.005	17	0.31	29.865	18	33.4	6.31	16	33.4	K2 J	11	5206	A -13 3994
46		9.2A	48 30.708	0.0008	15	-16 46 46.08	-0.007	11	0.27	30.694	18	33.4	45.97	16	33.4	A J	12A	5479	A -16 3949
47		9.0A	48 30.739	0.0008	18	-16 47 15.47	-0.005	13	0.31	30.725	18	33.4	15.39	16	33.4	A J	12A	5480K	A -16 3949
48		9.1A	48 34.466	-0.0012	21	-18 0 10.77	0.000	12	0.33	34.485	18	33.4	10.77	16	33.4	F0 J	12A	5481	A -17 4192
49		8.8A	48 37.302	0.0006	21	-17 40 16.67	-0.020	15	0.35	37.292	18	33.4	16.34	16	33.4	A2 J	12A	5482	A -17 4193
50		8.9A	48 38.848	-0.0022	21	-17 30 34.56	-0.009	15	0.35	38.865	18	33.4	34.41	16	33.4	K2 J	12A	5483	A -17 4194
51		9.2A	14 48 39.809	-0.0007	15	-18 28 32.14	-0.062	12	0.28	39.820	18	33.4	31.11	16	33.4	F8 J	12B	6173	A -18 3915
52		9.2A	48 40.987	-0.0041	21	-16 46 44.37	-0.045	15	0.35	41.055	18	33.4	43.62	16	33.4	F5 J	12A	5485	A -16 3950
53		8.9A	48 43.837	-0.0033	17	-18 18 37.59	-0.064	13	0.30	43.892	18	33.4	36.53	16	33.4	F5 J	12B	6174	A -17 4195
54		8.5A	48 46.129	-0.0004	12	-10 20 39.32	-0.042	12	0.25	46.136	16	33.4	38.61	16	33.4	K0	16	5215	A -9 4014
55		6.7T	48 46.815	-0.0015	04	-17 35 0.42	-0.129	04	0.22	46.892	09	97.8	53.46	09	96.0	F5	GC	19985	B#-17 4196
56		8.3A	48 48.242	-0.0007	21	-14 52 36.27	-0.006	15	0.35	48.253	18	33.4	36.17	16	33.4	K2 J	12A	5488	A -14 4050
57		9.1A	49 1.174	-0.0069	17	-17 6 43.97	-0.067	11	0.29	1.288	18	33.4	42.86	16	33.4	G5 J	12A	5490	A -16 3952
58		9.3A	49 1.174	-0.0004	17	-17 5 24.09	-0.001	11	0.29	1.181	18	33.4	24.07	16	33.4		12A	5489	A -16 3951
59		9.0A	49 1.429	-0.0023	21	-14 47 57.70	-0.021	15	0.35	1.468	18	33.4	57.35	16	33.4	A3 J	12A	5492	A -14 4051
60		6.8T	49 2.658	-0.0010	04	-18 9 1.41	-0.005	04	0.24	2.705	09	01.6	1.16	09	99.7	K0	GC	19990	B#-17 4200
61		8.4A	49 3.743	-0.0042	21	-15 1 36.55	-0.020	15	0.35	3.812	18	33.4	36.21	16	33.4	K2 J	12A	5493	A -14 4052
62		8.8A	49 14.043	-0.0003	21	-17 18 16.61	-0.060	15	0.35	14.048	18	33.4	15.61	16	33.4	K2 J	12A	5494	A -16 3953
63		9.1A	49 16.484	0.0026	15	-13 32 35.83	-0.029	17	0.31	16.441	18	33.4	35.34	16	33.4	K0 J	11	5208	A -13 3998
64		8.8A	49 19.128	-0.0006	21	-17 37 22.14	-0.041	15	0.35	19.138	18	33.4	21.46	16	33.4	F8 J	12A	5495	A -17 4202
65		7.4A	49 28.021	-0.0029	18	-13 18 2.15	-0.002	20	0.36	28.069	18	33.4	2.12	16	33.4	F0 J	11	5209	A -12 4152
66		8.9A	49 29.798	0.0002	15	-19 14 13.64	-0.033	12	0.28	29.794	18	33.4	13.09	16	33.4	G0 J	12B	6179	A -18 3920
67		9.3A	49 32.172	0.0020	18	-13 49 16.24	0.048	20	0.36	32.138	18	33.4	17.03	16	33.4	G5 J	11	5210	A -13 4001
68		8.2A	49 38.231	-0.0005	15	-11 16 6.53	-0.007	17	0.31	38.240	18	33.4	6.42	16	33.4	K0 J	11	5211	A -10 3976
69		8.5A	49 44.657	0.0010	15	-10 59 57.51	-0.010	17	0.31	44.641	18	33.4	57.33	16	33.4	K2 J	11	5212	A -10 3977
70		7.8T	49 45.770	-0.0022	10	-15 11 0.28	0.003	08	0.43	45.870	09	03.8	0.41	12	02.1	F0	GC	20003	-14 4055
71		8.3B	49 51.891	-0.0023	09	-16 11 36.17	0.002	08	0.45	52.002	18	01.1	36.26	17	98.5	K2	GC	20006	-15 3976
72		9.0A	49 54.200	-0.0035	15	-13 47 4.64	-0.059	15	0.30	54.258	18	33.4	3.65	16	33.4	G5 J	11	5213	A -13 4003
73		9.3A	50 1.803	-0.0026	21	-16 36 6.95	-0.041	15	0.35	1.847	18	33.4	6.27	16	33.4	G0 J	12A	5498	A -16 3955
74		7.8A	50 9.484	-0.0032	15	-12 10 45.71	-0.015	17	0.31	9.537	18	33.4	45.45	16	33.4	F2 J	11	5214	A -11 3821
75		8.2A	50 10.987	-0.0019	15	-12 26 23.34	-0.049	17	0.31	11.018	18	33.4	22.51	16	33.4	F8 J	11	5215	A -12 4156
76		9.0A	50 17.377	-0.0034	15	-12 47 36.04	0.000	17	0.31	17.432	18	33.4	38.05	16	33.4	G0 J	11	5216	A -12 4157
77		8.3A	50 18.049	-0.0019	17	-18 27 21.78	-0.016	13	0.30	18.080	18	33.4	21.51	16	33.4	G5 J	12B	6181	A -18 3923
78		8.3A	50 34.461	-0.0013	15	-12 1 35.27	-0.003	17	0.31	34.482	18	33.4	35.21	16	33.4	A2 J	11	5217	A -11 3822
79		8.2A	50 46.918	0.0010	15	-18 56 38.10	0.015	11	0.27	46.901	18	33.4	38.34	16	33.4	G5 J	12B	6185	A -18 3924
80		7.9A	50 49.795	0.0012	15	-19 46 7.56	-0.018	11	0.27	49.775	18	33.4	7.26	16	33.4	F2 J	12B	6186	A -19 3978
81		9.0A	50 56.064	0.0031	21	-16 43 28.07	-0.018	15	0.35	56.013	18	33.4	27.77	16	33.4	M0 J	12A	5501	A -16 3958
82		9.3A	50 58.379	0.0003	18	-18 33 20.58	0.030	13	0.31	58.374	18	33.4	21.09	16	33.4	K0 J	12B	6188	A -18 3925
83		8.9A	51 8.775	-0.0046	15	-13 36 35.19	0.048	15	0.30	8.851	18	33.4	35.98	16	33.4	K0 J	11	5218	A -13 4006
84		8.7A	51 27.110	-0.0021	15	-11 28 7.84	-0.012	17	0.31	27.145	18	33.4	7.63	16	33.4	A2 J	11	5219	A -11 3825
85		9.2A	51 30.852	-0.0002	17	-18 45 5.73	-0.019	13	0.30	30.856	18	33.4	5.43	16	33.4	G0 J	12B	6190	A -18 3926
86		9.0A	51 38.884	-0.0009	15	-10 37 42.54	-0.005	15	0.30	38.900	18	33.4	42.46	16	33.4	K0 J	11	5220	A -10 3982
87		5.8T	51 39.719	-0.0038	03	-11 41 43.99	-0.015	02	0.13	39.891	05	04.3	43.27	05	03.1	K0	GC	20052	B#-11 3827
88		8.8A	51 43.087	-0.0046	18	-16 11 22.90	0.004	13	0.31	43.163	18	33.4	22.96	16	33.4	F2 J	12A	5503	A -15 3981
89		9.0A	51 58.654	0.0002	21	-16 19 41.97	0.023	15	0.35	58.651	18	33.4	42.34	16	33.4	K2 J	12A	5504	A -15 3983
90		7.5A	52 15.266	-0.0014	13	-19 48 38.12	-0.038	09	0.26	15.289	18	33.4	37.48	16	33.4	K0 J	12B	6192	A -19 3979
91		9.8A	52 23.145	-0.0018	21	-15 5 46.91	-0.021	15	0.35	23.174	18	33.4	46.55	16	33.4	G5 J	12A	5506	A -14 4067
92		8.8A	52 23.661	-0.0009	21	-17 57 31.45	-0.034	15	0.35	23.676	18	33.4	30.89	16	33.4	K0 J	12A	5505	A -17 4211
93		9.5A	52 44.952	-0.0014	21	-16 36 16.18	-0.038	15	0.35	44.976	18	33.4	15.55	16	33.4	A3 J	12A	5507	A -16 3965
94		8.8A	52 46.556	-0.0029	18	-15 8 18.23	-0.001	13	0.31	46.605	18	33.4	18.21	16	33.4	A0 J	12A	5508	A -14 4069
95		9.0A	52 46.895	-0.0025	17	-19 56 8.99	0.020	13	0.30	46.937	18	33.4	9.32	16	33.4	K2 J	12B	6193	A -19 3981
96		8.0A	52 49.107	-0.0018	12	-10 4 46.44	0.019	12	0.25	49.136	16	33.4	46.75	16	33.4	A2	16	5235	A -9 4029
97		8.6A	52 58.009	-0.0018	15	-12 26 34.85	-0.002	17	0.31	58.039	18	33.4	34.82	16	33.4	K0 J	11	5223	A -12 4164
98		9.4A	53 0.625	0.0008	21	-16 31 35.04	-0.017	15	0.35	0.611	18	33.4	34.76	16	33.4	K5 J	12A	5511	A -16 3967
99		8.8A	53 1.414	0.0028	21	-18 9 55.34	-0.059	15	0.35	1.367	18	33.4	54.36	16	33.4	G5 J	12A	5510	A -17 4214
00		7.9A	53 2.801	0.0003	15	-13 0 15.49	-0.000	17	0.31	2.795	18	33.4	15.48	16	33.4	F2 J	11	5224	A -12 4165

158900

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	EPOCH 1950 μ s	EPOCH 1950 σ_μ ″.001	EPOCH 1950 δ_{1950} ° ′ ″	EPOCH 1950 μ' ″	EPOCH 1950 $\sigma_{\mu'}$ ″.001	EPOCH 1950 σ_{1950} ″	ORIGINAL EPOCH α_2 s	ORIGINAL EPOCH σ ″.01	ORIGINAL EPOCH ep.	ORIGINAL EPOCH δ_2 ″	ORIGINAL EPOCH σ' ″.01	ORIGINAL EPOCH ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	-10° 14H DM NUMBER
1		7.8A	14 53 8.143	-0.0015	15	-13 41 56.34	-0.016	17	0.31	8.168	18	33.4	56.07	16	33.4	F0 J	11	5225	A -13 4015
2		8.7A	53 9.541	0.0018	18	-11 52 35.09	0.007	20	0.36	9.510	18	33.4	35.20	16	33.4	K2 J	11	5226	A -11 3834
3		8.5A	53 15.883	-0.0010	21	-15 27 18.59	0.027	15	0.35	15.900	18	33.4	19.03	16	33.4	F8 J	12A	5512	A -15 3986
4		9.0A	53 16.504	0.0026	15	-10 37 20.41	0.027	17	0.31	16.461	18	33.4	20.85	16	33.4	K5 J	11	5227	A -10 3984
5		9.4A	53 18.948	-0.0041	21	-16 12 16.66	-0.028	15	0.35	19.015	18	33.4	16.19	16	33.4	K2 J	12A	5513	A -15 3987
6		8.0A	53 29.738	0.0046	17	-18 43 36.52	-0.010	13	0.30	29.661	18	33.4	36.37	16	33.4	F5 J	12B	6196	A -18 3933
7		7.1T	53 32.176	-0.0017	12	-16 35 57.81	-0.046	12	0.53	32.248	09	07.4	55.84	12	07.3	F2	GC	20086	-16 3970
8		8.9A	53 42.633	0.0042	18	-13 5 12.24	-0.053	20	0.36	42.564	18	33.4	11.37	16	33.4	G0 J	11	5229	A -12 4169
9		9.2A	53 46.103	-0.0114	18	-19 43 3.97	-0.042	13	0.31	46.292	18	33.4	3.27	16	33.4	F8 J	12B	6198	A -19 3985
10		8.4A	53 52.644	-0.0011	17	-13 54 11.53	0.018	18	0.34	52.662	18	33.4	11.82	16	33.4	K2 J	11	5230	A -13 4020
11		9.1A	53 52.664	-0.0017	17	-10 40 57.72	-0.005	18	0.34	52.692	18	33.4	57.65	16	33.4	A2 J	11	5232	A -10 3987
12		9.1A	53 53.773	-0.0014	18	-19 26 50.41	-0.007	13	0.31	53.797	18	33.4	50.28	16	33.4	F2 J	12B	6199	A -19 3986
13		8.8A	53 55.269	0.0006	17	-13 56 12.03	0.016	18	0.34	55.259	18	33.4	12.29	16	33.4	A5 J	11	5231	A -13 4022
14		9.1A	53 56.152	-0.0024	18	-15 25 54.04	0.005	13	0.31	56.192	18	33.4	54.11	16	33.4	A3 J	12A	5515	A -15 3988
15		5.6H	54 3.040	0.0004	01	-11 12 32.66	0.004	01	0.05	3.022	02	11.2	32.81	02	10.3	K0	F4	1390	-10 3989
16		8.9A	54 8.684	0.0009	18	-14 2 46.97	0.006	20	0.36	8.670	18	33.4	47.07	16	33.4	K0 J	11	5234	A -13 4024
17		9.0A	54 11.421	-0.0016	18	-16 6 40.29	-0.022	13	0.31	11.447	18	33.4	39.93	16	33.4	A5 J	12A	5516	A -15 3989
18		9.2A	54 12.241	-0.0029	21	-14 51 0.29	0.003	15	0.35	12.290	18	33.4	0.34	16	33.4	G0 J	12A	5517	A -14 4073
19		8.7A	54 19.378	-0.0021	15	-11 18 24.04	0.000	17	0.31	19.413	18	33.4	24.05	16	33.4	F8 J	11	5235	A -10 3990
20		8.8A	54 19.733	0.0013	21	-16 18 52.01	-0.000	15	0.35	19.711	18	33.4	52.00	16	33.4	F2 J	12A	5518	A -15 3990
21		8.8A	54 29.267	-0.0010	18	-12 43 34.88	-0.053	20	0.36	29.284	18	33.4	34.00	16	33.4	G5 J	11	5236	A -12 4170
22		8.9A	54 42.225	-0.0029	13	-19 55 51.68	-0.001	09	0.26	42.271	18	33.4	51.66	16	33.4	F0 J	12B	6204	A -19 3988
23		9.1A	54 42.817	-0.0010	21	-14 42 31.63	-0.007	15	0.35	42.834	18	33.4	31.52	16	33.4	F2 J	12A	5519	A -14 4077
24		9.3A	54 45.948	0.0019	18	-17 43 49.63	-0.009	17	0.34	45.916	18	33.4	49.48	16	33.4	A2 J	12A	5520	A -17 4219
25		8.7A	54 48.820	0.0005	15	-13 30 14.58	-0.036	17	0.31	48.813	18	33.4	13.97	16	33.4	A2 J	11	5237	A -13 4026
26		9.0A	54 50.828	-0.0026	21	-16 12 39.52	-0.007	15	0.35	50.873	18	33.4	39.40	16	33.4	K5 J	12A	5521	A -15 3993
27		8.3A	54 52.640	-0.0019	17	-12 26 17.11	-0.051	18	0.34	52.671	18	33.4	16.25	16	33.4	A0 J	11	5238	A -12 4173
28		9.1A	54 58.080	0.0079	18	-17 48 49.52	-0.050	17	0.34	57.949	18	33.4	48.69	16	33.4	G5 J	12A	5522	A -17 4220
29		7.6T	55 2.584	0.0023	16	-12 14 14.56	-0.010	14	0.68	2.480	09	05.5	14.13	10	04.9	MB	GC	20124	-11 3841
30		9.2A	55 6.306	-0.0074	18	-15 46 19.28	-0.101	13	0.31	6.429	18	33.4	17.59	16	33.4	G0 J	12A	5523	A -15 3996
31		6.8T	55 17.182	-0.0038	07	-17 9 52.78	-0.004	06	0.27	17.338	07	08.7	52.61	07	09.1	K0	GC	20130	-16 3972
32		9.1A	55 21.409	-0.0024	18	-11 12 32.93	-0.017	20	0.36	21.449	18	33.4	32.64	16	33.4	G5 J	11	5240	A -10 3991
33		9.2A	55 26.560	-0.0012	21	-16 17 16.20	-0.005	15	0.35	26.579	18	33.4	16.11	16	33.4	F8 J	12A	5525	A -15 3997
34		8.7A	55 26.714	0.0034	15	-11 7 59.80	-0.026	17	0.31	26.657	18	33.4	59.37	16	33.4	K0 J	11	5241	A -10 3992
35		6.4T	55 30.544	-0.0010	03	-10 57 18.86	-0.019	03	0.16	30.584	07	08.2	17.98	07	02.4	A0	GC	20136	B*-10 3994
36		8.8A	55 30.767	-0.0030	18	-13 37 34.13	0.005	20	0.36	30.817	18	33.4	34.20	16	33.4	F0 J	11	5242	A -13 4028
37		9.1A	55 31.093	-0.0104	21	-17 2 43.99	0.015	15	0.35	31.266	18	33.4	44.24	16	33.4	G0 J	12A	5526	A -16 3973
38		9.1A	55 31.164	0.0009	15	-11 8 47.54	0.000	17	0.31	31.149	18	33.4	47.55	16	33.4	G5 J	11	5244	A -10 3993
39		8.9A	55 33.424	-0.0003	11	-10 14 12.56	-0.007	11	0.24	33.429	16	33.4	12.44	16	33.4	K2	16	5243	A -9 4040
40		8.8A	55 48.914	-0.0027	17	-10 46 58.48	-0.007	18	0.34	48.959	18	33.4	58.37	16	33.4	K0 J	11	5246	A -10 3997
41		8.6A	55 53.438	0.0001	21	-17 28 48.74	-0.028	15	0.35	53.436	18	33.4	48.27	16	33.4	A2 J	12A	5527	A -17 4225
42		7.9A	55 58.305	0.0040	17	-12 34 8.36	0.007	18	0.34	58.238	18	33.4	8.48	16	33.4	K2 J	11	5247	A -12 4178
43		9.0A	56 2.558	-0.0006	21	-16 14 57.89	0.024	15	0.35	2.568	18	33.4	58.28	16	33.4	G5 J	12A	5528	A -15 4001
44		8.8A	56 6.140	-0.0023	21	-15 14 13.59	-0.022	15	0.35	6.179	18	33.4	13.21	16	33.4	K2 J	12A	5529	A -14 4082
45		9.3A	56 7.209	0.0019	17	-19 8 0.82	-0.021	13	0.30	7.177	18	33.4	0.47	16	33.4	F8 J	12B	6208	A -18 3940
46		6.0T	56 11.058	-0.0071	03	-10 56 39.18	-0.066	02	0.18	11.422	07	98.3	35.23	07	90.6	K0	GC	20157K	B*-10 3999
47		8.8A	56 19.038	-0.0024	15	-19 44 7.72	0.006	11	0.27	19.078	18	33.4	7.82	16	33.4	G5 J	12B	6209	A -19 3994
48		9.0A	56 28.816	-0.0026	17	-11 16 26.13	-0.007	18	0.34	28.859	18	33.4	26.00	16	33.4	G0 J	11	5249	A -10 4001
49		8.5A	56 30.877	-0.0063	15	-19 12 34.44	-0.015	12	0.28	30.982	18	33.4	34.20	16	33.4	G0 J	12B	6211	A -18 3941
50		9.1A	56 40.389	-0.0012	12	-10 22 44.68	0.005	12	0.25	40.409	16	33.4	44.77	16	33.4	K0	16	5252	A -9 4045
51		9.4A	14 56 46.628	-0.0021	18	-10 23 17.32	-0.165	20	0.36	46.662	18	33.4	14.58	16	33.4	F8 J	11	5251	A -9 4046
52		8.0A	56 53.261	0.0002	17	-19 6 23.81	-0.006	13	0.30	53.258	18	33.4	23.72	16	33.4	K2 J	12B	6215	A -18 3942
53		8.9A	56 53.296	-0.0017	18	-19 43 8.27	0.009	13	0.31	53.324	18	33.4	8.41	16	33.4	F8 J	12B	6214	A -19 3998
54		9.0A	56 57.076	-0.0010	11	-10 26 3.33	0.010	11	0.24	57.093	16	33.4	3.51	16	33.4	F0	16	5255	A -10 4003
55		9.2A	57 1.401	-0.0036	21	-15 35 38.41	-0.022	15	0.35	1.461	18	33.4	38.04	16	33.4	F0 J	12A	5530	A -15 4005
56		9.1A	57 1.744	-0.0006	18	-11 21 40.79	-0.044	20	0.36	1.754	18	33.4	40.05	16	33.4	G0 J	11	5253	A -10 4004
57		9.2A	57 9.274	-0.0029	18	-10 59 30.93	0.044	20	0.36	9.323	18	33.4	31.67	16	33.4	G5 J	11	5254	A -10 4006
58		8.9A	57 10.333	-0.0005	15	-19 56 58.16	0.001	11	0.27	10.341	18	33.4	58.17	16	33.4	F0 J	12B	6217	A -19 4000
59		7.1T	57 10.726	0.0033	10	-10 43 55.63	-0.051	07	0.49	10.554	19	98.7	52.75	18	94.0	F2	GC	20177	-10 4007
60		9.0A	57 27.346	-0.0023	21	-14 31 50.19	-0.025	15	0.35	27.385	18	33.4	49.78	16	33.4	A3 J	12A	5531	A -14 4085
61		9.4A	57 32.376	-0.0032	21	-16 20 31.61	-0.085	15	0.35	32.430	18	33.4	30.19	16	33.4	K0 J	12A	5533	A -15 4007
62		7.9Q	57 33.031	0.0028	08	-18 25 45.26	0.008	06	0.34	32.906	09	05.8	45.63	10	03.3	K0	GC	20181	-18 3945
63		9.4A	57 41.385	-0.0059	18	-15 14 9.32	-0.014	13	0.31	41.483	18	33.4	9.08	16	33.4	G5 J	12A	5534	A -14 4086
64		8.1A	57 48.204	-0.0005	15	-11 40 36.68	-0.007	17	0.31	48.213	18	33.4	36.57	16	33.4	M2 J	11	5257	A -11 3854
65		9.1A	57 50.694	0.0010	17	-18 14 56.17	0.000	13	0.30	50.677	18	33.4	56.17	16	33.4	K0 J	12B	6220	A -17 4233
66		9.1A	57 54.966	-0.0041	12	-10 28 33.99	0.041	12	0.25	55.034	16	33.4	34.66	16	33.4	G0	16	5258	A -10 4010
67		10.0Q	58 0.588	0.0004	09	-10 55 51.51	-0.469	08	0.44	0.565	12	99.7	26.63	12	97.0	K5	GC	20188	B*-10 4011
68		8.4A	58 9.187	-0.0016	21	-14 49 44.72	0.026	15	0.35	9.213	18	33.4	45.16	16	33.4	K0 J	12A	5536	A -14 4087
69		9.2A	58 13.058	0.0035	18	-10 38 22.01	0.007	20	0.36	13.000	18	33.4	22.12	16	33.4	G0 J	11	5260	A -10 4012
70		9.4A	58 27.852	-0.0029	12	-10 22 9.50	0.002	11	0.24	27.899	16	33.4	9.54	16	33.4	F8 R	16	5260	A -9 4054
71		9.2A	58 35.658	-0.0019	18	-16 41 22.17	-0.010	13	0.31	35.689	18	33.4	22.00	16	33.4	A2 J	12A	5537	A -16 3986
72		8.4A	58 40.548	-0.0001	15	-19 4 1.03	0.009	11	0.27	40.550	18	33.4	1.19	16	33.4	K2 J	12B	6224	A -18 3950
73		9.0A	58 40.986	-0.0037	21	-16 50 9.54	-0.006	15	0.35	41.048	18	33.4	9.44	16	33.4	K0 J	12A	5538	A -16 3987
74		7.8A	58 41.248	0.0002	17	-18 36 23.05	0.000	13	0.30	41.245	18	33.4	23.06	16	33.4	M2 J	12B	6225	A -18 3951
75		8.7A	58 43.028	-0.0009	17	-12 28 34.94	0.002	18	0.34	43.043	18	33.4	34.98	16	33.4	K0 J	11	5262	A -12 4187
76		8.8A	58 46.799	0.0000	21	-15 44 14.36	-0.036	15	0.35	46.798	18	33.4	13.76	16	33.4	K0 J	12A	5539	A -15 4008
77		8.9A	58 48.488	0.0001	18	-13 8 6.98	0.044	20	0.36	48.485	18	33.4	7.70	16	33.4	A2 J	11	5263	A -12 4188
78		9.0A	58 57.841	0.0014	18	-12 14 40.13	-0.078	20	0.36	57.818	18	33.4	38.83	16	33.4	A2 J	11	5264	A -11 3857
79		8.7A	59 0.748	-0.0007	17	-12 7 19.08	0.003	18	0.34	0.760	18	33.4	19.14	16	33.4	K0 J	11	5265	A -11 3858
80		9.2A	59 6.123	0.0007	21	-17 51 18.79	-0.027	15	0.35	6.111	18	33.4	18.34	16	33.4	G J	12A	5540	A -17 4237
81		9.3A	59 8.812	-0.0041	21	-17 52 26.36	-0.025	15	0.35	8.880	18	33.4	25.94	16	33.4	F0 J	12A	5541	A -17 4238
82		9.2A	59 21.297	-0.0015	17	-11 32 19.95	-0.026	18	0.34	21.322	18	33.4	19.52	16	33.4	F8 J	11	5266	A -11 3860
83		8.5A	59 35.682	0.0009	15	-11 32 42.98	0.015	17	0.31	35.667	18	33.4	43.22	16	33.4	M0 J	11	5267	A -11 3862
84		8.9A	59 36.458	-0.0001	21	-14 56 30.41	-0.020	15	0.35	36.460	18	33.4	30.08	16	33.4	K5 J	12A	5542	A -14 4093
85		8.6A	59 52.494	-0.0018	18	-14 36 16.22	-0.053	13	0.31	52.523	18	33.4	15.34	16	33.4	K0 J	12A	5545	A -14 4095
86		9.2A	59 54.488	-0.0046	18	-19 8 15.29	-0.030	15	0.32	54.598	18	33.4	14.79	16	33.4	F8 J	12B	6234	A -18 3959
87		9.1A	59 55.052	-0.0050	15	-18 14 54.06	-0.005	11	0.27	55.136	18	33.4	53.98	16	33.4	G0 J	12B	6235	A -17 4240
88		9.2A	59 55.093	-0.0020	21	-17 46 6.96	0.009	15	0.35	55.126	18	33.4	7.11	16	33.4	F2 J	12A	5544	A -17 4241
89		8.6A	15 0 0.303	-0.0011	21	-14 51 15.74	0.004	15	0.35	0.322	18	33.4	15.81	16	33.4	A0 J	12A	5546	A -14 4096
90		7.7T	0 8.988	0.0024	12	-10 11 47.35	-0.025	11	0.65	8.864	21	97.2	45.96	19	95.7	K0	GC	20229	-9 4058
91		9.6A	0 11.507	-0.0038	21	-15 23 26.40	-0.004	15	0.35	11.570	18	33.4	26.33	16	33.4	F2 J	12A	5547	A -15 4013
92		7.0T	0 17.519	0.0020	06	-17 28 13.33	-0.044	05	0.32	17.410	09	96.1	10.78	09	92.2	K0	GC	20234	-17 4243
93		9.1A	0 19.842	-0.0010	15	-11 19 16.82	0.007	15	0.30	19.858	18	33.4	16.93	16	33.4	F5 J	11	5269	A -10 4017
94		7.8A	0 23.542	-0.0004	15	-12 39 44.18	-0.014	17	0.31	23.549	18	33.4	43.95	16	33.4	A0 J	11	5270	A -12 4192
95		7.9Q	0 45.727	0.0005	09	-16 23 48.72	-0.026	08	0.40	45.703	09	03.6	47.46	10	02.2	K2	GC	20248	-16 3992
96		9.2A	0 57.400	-0.0023	18	-16 9 7.77	-0.002	13	0.31	57.438	18	33.4	7.73	16	33.4	A0 J	12A	5550	A -15 4017
97		8.2A	1 10.835	-0.0008	15	-10 48 27.30	0.008	17	0.31	10.849	18	33.4	27.44	16	33.4	G5 J	11	5271	A -10 4019
98		9.4A	1 14.207	0.0013	21	-14 54 35.52	-0.001	15	0.35	14.186	18	33.4	35.51	16	33.4	G0 J	12A	5551	A -14 4101
99		9.4A	1 17.111	-0.0026	15	-13 30 49.05	0.001	15	0.30	17.154	18	33.4	49.06	16	33.4	K0 J	11	5272	A -13 4058
00		8.6A	1 22.059	0.0002	21	-15 16 1.94	-0.055	15	0.35	22.055	18	33.4	1.02	16	33.4	B8 J	12A	5552	A -14 4102

159000			EPOCH 1950									ORIGINAL EPOCH							SP.		SOURCE		-10° 15H
NUMBER	MAGNITUDES m_{pg}	m_v	α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.				CAT.	STAR NUMBER	DM NUMBER
1		8.5A	15 1 27.237	0.0017	21	-15 18 10.47	-0.054	15	0.35	27.209	18	33.4	9.56	16	33.4	F5	J		12A	5553	A -14 4105
2		8.4A	1 34.316	0.0034	15	-10 49 48.89	0.005	17	0.31	34.259	18	33.4	48.98	16	33.4	K5	J		11	5273	A -10 4021
3		9.0A	1 36.467	0.0000	21	-14 51 17.61	-0.012	15	0.35	36.467	18	33.4	17.41	16	33.4	K5	J		12A	5554	A -14 4107
4		8.3A	1 41.786	-0.0004	17	-17 42 34.21	-0.013	12	0.29	41.792	18	33.4	33.99	16	33.4	K0	J		12A	5555	A -17 4246
5		8.7A	1 43.105	-0.0008	15	-12 41 27.53	-0.054	17	0.31	43.117	18	33.4	26.62	16	33.4	K2	J		11	5274	A -12 4194
6		8.9A	1 43.495	-0.0029	17	-17 42 33.98	-0.001	15	0.31	43.543	18	33.4	33.96	16	33.4	K0	J		12A	5556	A -17 4247
7		8.4A	1 56.577	-0.0013	15	-11 28 14.50	0.032	20	0.34	56.599	18	33.4	15.02	16	33.4	A2	J		11	5275	A -11 3873
8		8.1G	1 58.034	0.0001	11	-14 48 11.81	-0.020	08	0.47	58.030	18	05.2	10.83	18	00.0	F0			GC	20275	-14 4109
9		9.2A	2 4.586	-0.0098	18	-18 23 42.91	-0.131	11	0.30	4.749	18	33.4	40.73	16	33.4	K2	J		12A	5558	A -18 3965
10		8.6A	2 12.690	-0.0005	15	-12 12 5.59	-0.037	17	0.31	12.698	18	33.4	4.96	16	33.4	G0	J		11	5276	A -11 3874
11		9.0A	2 26.621	-0.0005	15	-19 24 39.81	0.004	12	0.28	26.629	18	33.4	39.88	16	33.4	A2	J		12B	6244	A -19 4016
12		8.9A	2 28.349	-0.0017	18	-17 41 8.47	-0.035	13	0.31	28.378	18	33.4	7.89	16	33.4	F8	J		12A	5559	A -17 4249
13		8.9A	2 29.901	-0.0031	15	-18 25 56.81	-0.001	11	0.27	29.952	18	33.4	56.79	16	33.4	A2	J		12B	6245	A -18 3969
14		9.0A	2 31.803	-0.0012	17	-13 36 55.56	-0.034	18	0.34	31.823	18	33.4	54.99	16	33.4	K7	J		11	5277	A -13 4062
15		9.4A	2 37.687	-0.0030	18	-15 38 5.42	-0.038	13	0.31	37.736	18	33.4	4.78	16	33.4	A5	J		12A	5561	A -15 4021
16		9.0A	2 42.707	-0.0024	11	-10 24 9.75	-0.012	11	0.24	42.747	16	33.4	9.54	16	33.4	F5			16	5280	A -10 4026
17		9.0A	2 46.871	-0.0041	15	-13 18 27.18	-0.100	17	0.31	46.939	18	33.4	25.52	16	33.4	G5	J		11	5279	A -12 4196
18		9.1A	3 15.725	-0.0009	15	-14 3 48.91	0.014	17	0.31	15.740	18	33.4	49.13	16	33.4	K5	J		11	5280	A -13 4065
19		9.6A	3 17.785	-0.0074	21	-16 43 59.68	0.010	15	0.35	17.907	18	33.4	59.85	16	33.4	A5	J		12A	5562	A -16 4002
20		8.8A	3 22.808	0.0032	13	-11 0 14.82	0.017	15	0.29	22.755	18	33.4	15.09	16	33.4	G5	J		11	5281	A -10 4029
21		7.8A	3 24.109	0.0021	17	-19 11 3.86	-0.036	13	0.30	24.074	18	33.4	3.25	16	33.4	K0	J		12B	6251	A -18 3972
22		9.0A	3 24.978	-0.0039	13	-18 57 0.15	-0.012	11	0.26	25.043	18	33.4	59.96	16	33.4	F8	J		12B	6252	A -18 3973
23		9.0A	3 29.792	-0.0019	12	-10 32 4.69	0.022	12	0.25	29.824	16	33.4	5.06	16	33.4	A0			16	5285	A -10 4030
24		9.0A	3 38.968	-0.0024	21	-16 52 16.24	-0.011	15	0.35	39.007	18	33.4	16.06	16	33.4	K0	J		12A	5564	A -16 4004
25		9.2A	3 44.616	-0.0019	17	-10 59 24.70	0.002	18	0.34	44.648	18	33.4	24.74	16	33.4	F8	J		11	5283	A -10 4032
26		9.2A	3 46.962	-0.0002	21	-16 8 58.25	-0.022	15	0.35	46.966	18	33.4	57.88	16	33.4	K0	J		12A	5565	A -15 4025
27		7.3T	3 49.390	0.0009	08	-12 42 52.00	-0.026	05	0.29	49.351	07	07.1	50.91	07	07.4	A0			GC	20310	-12 4198
28		5.3T	3 49.929	-0.0031	02	-16 3 51.08	-0.025	02	0.13	50.083	06	00.0	49.66	06	94.5	K0			GC	20311	B*-15 4026
29		9.1A	3 59.491	-0.0014	15	-11 2 10.89	-0.034	17	0.31	59.515	18	33.4	10.32	16	33.4	K0	J		11	5285	A -10 4035
30		6.6T	4 1.282	-0.0045	03	-16 17 30.91	-0.016	03	0.19	1.535	07	93.6	29.99	07	93.7	A0			GC	20320	B*-15 4028
31		9.2A	4 9.627	-0.0062	13	-13 21 27.28	0.015	15	0.29	9.729	18	33.4	27.52	16	33.4	G5	J		11	5287	A -12 4201
32		9.3A	4 10.766	-0.0025	18	-14 27 56.44	0.022	13	0.31	10.808	18	33.4	56.79	16	33.4	K2	J		12A	5569	A -14 4118
33		8.7A	4 21.544	0.0007	21	-14 25 35.86	-0.030	15	0.35	21.533	18	33.4	35.35	16	33.4	G5	J		12A	5570	A -14 4119
34		8.3A	4 38.772	0.0027	21	-15 13 29.20	-0.042	15	0.35	38.727	18	33.4	28.49	16	33.4	F2	J		12A	5572	A -14 4120
35		8.2A	4 39.061	-0.0020	18	-14 29 14.51	-0.008	13	0.31	39.095	18	33.4	14.38	16	33.4	M0	J		12A	5573	A -14 4121
36		9.4A	4 40.187	0.0041	21	-17 10 27.68	-0.030	15	0.35	40.118	18	33.4	27.18	16	33.4	F8	J		12A	5571	A -16 4007
37		9.0A	4 41.849	0.0005	18	-16 12 47.98	-0.027	13	0.31	41.840	18	33.4	47.52	16	33.4	K0	J		12A	5574	A -15 4032
38		9.5A	4 53.053	-0.0125	12	-10 8 47.76	0.032	12	0.25	53.261	16	33.4	48.28	16	33.4	K0	R		16	5291	A -9 4073
39		9.4A	4 56.804	-0.0015	18	-17 11 40.98	0.005	13	0.31	56.829	18	33.4	41.06	16	33.4	F0	J		12A	5575	A -16 4009
40		8.4A	5 12.230	-0.0013	21	-14 24 5.74	-0.021	15	0.35	12.252	18	33.4	5.38	16	33.4	A0	J		12A	5576	A -14 4123
41		9.1A	5 13.496	-0.0032	15	-11 27 37.23	0.005	15	0.30	13.549	18	33.4	37.32	16	33.4	G0	J		11	5291	A -11 3880
42		7.6T	5 22.842	-0.0090	08	-11 51 35.08	-0.066	07	0.37	23.254	09	04.0	31.93	10	02.6	G5			GC	20353	-11 3881
43		8.7A	5 26.079	-0.0004	21	-16 54 5.17	-0.033	15	0.35	26.086	18	33.4	4.62	16	33.4	K0	J		12A	5577	A -16 4012
44		9.1A	5 26.539	-0.0020	17	-19 39 29.94	-0.024	13	0.30	26.572	18	33.4	29.54	16	33.4	K2	J		12B	6264	A -19 4030
45		8.3A	5 37.000	-0.0003	15	-13 15 19.71	-0.019	17	0.31	37.006	18	33.4	19.38	16	33.4	K5	J		11	5294	A -12 4204
46		8.9A	5 47.175	-0.0011	17	-19 2 7.18	-0.041	13	0.30	47.194	18	33.4	6.49	16	33.4	K0	J		12B	6265	A -18 3982
47		8.7A	5 56.253	-0.0013	15	-11 32 7.19	0.039	17	0.31	56.275	18	33.4	7.84	16	33.4	G5	J		11	5295	A -11 3885
48		8.4A	6 3.946	-0.0011	15	-13 0 50.49	-0.017	17	0.31	3.964	18	33.4	50.20	16	33.4	K5	J		11	5296	A -12 4205
49		7.4A	6 12.671	0.0024	18	-11 36 0.92	-0.019	20	0.36	12.631	18	33.4	0.61	16	33.4	F2	J		11	5297	A -11 3886
50		7.4T	6 16.720	-0.0030	10	-13 48 34.61	0.016	08	0.53	16.875	17	98.0	35.48	17	94.6	F0			GC	20368	-13 4081
51		9.5A	15 6 20.700	-0.0011	18	-19 34 58.30	-0.025	13	0.31	20.719	18	33.4	57.88	16	33.4	K2	J		12B	6275	A -19 4034
52		8.7A	6 30.368	0.0057	21	-17 49 26.86	-0.083	12	0.33	30.273	18	33.4	25.48	16	33.4	F8	J		12A	5578	A -17 4259
53		8.9A	6 40.704	-0.0015	17	-18 12 32.44	0.003	13	0.30	40.729	18	33.4	32.49	16	33.4	A2	J		12B	6277	A -17 4260
54		9.0A	6 47.400	-0.0065	21	-17 12 8.99	0.017	15	0.35	47.508	18	33.4	9.27	16	33.4	G0	J		12A	5580	A -16 4017
55		9.1A	6 48.843	0.0009	17	-13 22 15.92	0.039	18	0.33	48.828	18	33.4	16.56	16	33.4	G5	J		11	5299	A -13 4086
56		8.9A	6 51.772	0.0062	15	-13 57 26.05	0.008	17	0.31	51.670	18	33.4	26.17	16	33.4	G5	J		11	5300	A -13 4087
57		8.7A	6 54.592	-0.0018	15	-11 23 8.87	0.002	17	0.31	54.622	18	33.4	8.91	16	33.4	F2	J		11	5301	A -11 3891
58		9.1A	7 3.620	-0.0038	15	-18 44 34.58	-0.024	11	0.27	3.684	18	33.4	34.17	16	33.4	K5	J		12B	6281	A -18 3989
59		8.9A	7 5.567	-0.0050	21	-15 31 1.18	-0.032	15	0.35	5.650	18	33.4	0.65	16	33.4	A5	J		12A	5581	A -15 4038
60		8.2A	7 8.478	-0.0002	15	-12 47 13.52	0.032	17	0.31	8.481	18	33.4	14.06	16	33.4	F8	J		11	5302	A -12 4206
61		8.0A	7 14.890	-0.0032	15	-11 4 25.99	0.000	17	0.31	14.943	18	33.4	26.00	16	33.4	G5	J		11	5303	A -10 4044
62		8.6A	7 17.526	-0.0053	15	-11 57 7.92	-0.024	17	0.31	17.613	18	33.4	7.53	16	33.4	G5	J		11	5304	A -11 3892
63		8.7A	7 21.780	-0.0014	21	-17 52 3.46	-0.012	12	0.33	21.803	18	33.4	3.26	16	33.4	K2	J		12A	5582	A -17 4263
64		9.4A	7 22.836	-0.0009	15	-19 12 24.19	-0.019	12	0.28	22.851	18	33.4	23.89	16	33.4	F	J		12B	6283	A -18 3991
65		9.1A	7 26.333	-0.0020	15	-11 22 2.03	-0.014	17	0.31	26.366	18	33.4	1.80	16	33.4	K0	J		11	5305	A -11 3896
66		9.9G	7 28.334	-0.0708	20	-16 13 28.77	-3.534	17	0.78	31.194	18	09.6	-57.46	18	07.2	G5			GC	20393	B*-15 4041
67		9.4G	7 28.471	-0.0711	16	-16 8 27.09	-3.530	14	0.69	31.499	18	07.4	-46.14	17	04.4	G0			GC	20394	B*-15 4042
68		8.6A	7 36.363	-0.0061	15	-13 6 46.46	0.019	17	0.31	36.464	18	33.4	46.77	16	33.4	F5	J		11	5306	A -12 4211
69		8.5A	7 51.673	-0.0020	13	-12 2 19.50	-0.002	15	0.29	51.705	18	33.4	19.46	16	33.4	K0	J		11	5307	A -11 3898
70		8.8A	8 1.323	0.0009	17	-10 43 50.49	-0.026	18	0.33	1.309	18	33.4	50.06	16	33.4	K5	J		11	5308	A -10 4045
71		9.0A	8 8.397	0.0028	17	-18 23 3.95	-0.017	13	0.30	8.351	18	33.4	3.67	16	33.4	A0	J		12B	6286	A -18 3993
72		8.9A	8 8.934	0.0018	17	-12 4 8.58	-0.036	18	0.33	8.904	18	33.4	7.97	16	33.4	G0	J		11	5309	A -11 3899
73		9.0A	8 20.182	0.0003	17	-16 5 25.09	-0.028	15	0.31	20.177	18	33.4	24.62	16	33.4	K0	J		12A	5586	A -15 4044
74		8.5A	8 22.908	0.0008	21	-16 46 34.09	0.008	15	0.35	22.894	18	33.4	34.22	16	33.4	A0	J		12A	5587	A -16 4020
75		7.5T	8 28.464	-0.0018	07	-12 51 58.93	-0.024	07	0.34	28.551	09	00.8	57.69	10	99.4	K0			GC	20413	-12 4214
76		8.9A	8 35.737	0.0001	15	-12 41 41.94	-0.009	17	0.31	35.735	18	33.4	41.80	16	33.4	K2	J		11	5311	A -12 4215
77		7.9A	8 37.039	0.0003	15	-11 16 59.44	-0.019	17	0.31	37.034	18	33.4	59.13	16	33.4	K0	J		11	5312	A -10 4049
78		8.9A	8 38.056	0.0008	15	-10 52 4.16	0.002	17	0.31	38.043	18	33.4	4.20	16	33.4	K0	J		11	5313	A -10 4050
79		9.4A	8 45.409	-0.0013	20	-14 32 17.90	-0.013	12	0.32	45.430	18	33.4	17.69	16	33.4	F5	J		12A	5588	A -14 4139
80		9.4A	8 49.468	-0.0019	21	-17 36 26.38	0.006	15	0.35	49.500	18	33.4	26.48	16	33.4	F5	J		12A	5589	A -17 4268
81		9.3A	8 56.011	-0.0027	15	-13 25 18.65	-0.034	15	0.30	56.056	18	33.4	18.09	16	33.4	G0	J		11	5314	A -13 4098
82		9.4A	8 58.119	-0.0023	21	-17 34 19.13	-0.128	15	0.35	58.157	18	33.4	17.00	16	33.4	G5	J		12A	5590	A -17 4270
83		8.5A	8 58.778	-0.0014	12	-10 19 11.22	-0.005	12	0.25	58.802	16	33.4	11.13	16	33.4	K2			16	5306	A -9 4082
84		8.8A	9 1.161	0.0009	21	-15 2 36.65	-0.003	15	0.35	1.147	18	33.4	36.59	16	33.4	K0	J		12A	5591	A -14 4140
85		6.8T	9 2.013	-0.0014	10	-15 58 17.34	-0.017	10	0.48	2.080	09	01.3	16.50	09	00.6	K0			GC	20425	-15 4047
86		8.2A	9 3.105	-0.0005	21	-16 25 24.50	-0.018	15	0.35	3.112	18	33.4	24.19	16	33.4	F8	J		12A	5593	A -16 4025
87		9.2A	9 14.309	-0.0025	17	-18 0 24.09	0.010	11	0.29	14.351	18	33.4	24.26	16	33.4	K0	J		12A	5594	A -17 4272
88		8.9A	9 19.244	-0.0007	15	-13 3 46.87	-0.002	17	0.31	19.231	18	33.4	46.84	16	33.4	K0	J		11	5316	A -12 4216
89		6.8T	9 21.302	-0.0037	06	-18 55 6.76	-0.013	06	0.42	21.520	15	90.6	5.95	15	85.5	K0			GC	20432	-18 3997
90		4.7H	9 21.946	-0.0027	01	-19 36 13.70	-0.043	01	0.04	22.035	02	16.4	12.22	02	15.7	A0P			F4	559	-19 4047
91		9.2A	9 25.869	0.0002	20	-19 36 33.12	0.001	15	0.34	25.866	18	33.4	33.13	16	33.4				12B	6294	A -19 4048
92		8.5A	9 27.507	-0.0007	21	-14 12 28.37	-0.001	15	0.35	27.519	18	33.4	28.34	16	33.4	K0	J		12A	5595	A -13 4102
93		8.5A	9 32.763	0.0009	21	-16 13 26.39	-0.019	15	0.35	32.748	18	33.4	26.07	16	33.4	B9	J		12A	5596	A -15 4046
94		7.0T	9 36.173	0.0028	15	-17 54 10.54	-0.012	15	0.80	36.031	24	99.9	9.92	21	98.2	G5			GC	20439	-17 4273
95		8.6A	9 37.513	0.0018	21	-14 23 18.81	-0.000	15	0.35	37.483	18	33.4	18.80	16	33.4	G5	J		12A	5598	A -14 4145
96		7.8A	9 38.734	-0.0014	21	-15 31 40.76	0.031	15	0.35	38.757	18	33.4	41.28	16	33.4	K2	J		12A	5599	A -15 4050
97		9.0A	9 53.751	-0.0026	18	-18 37 51.06	0.001	13	0.31	53.794	18	33.4	51.09	16	33.4	F8	J		12B	6296	A -18 3999
98		8.3A	9 55.436	-0.0052	21	-14 30 25.23	-0.022	15	0.35	55.523	18	33.4	24.87	16	33.4	F2	J		12A	5600	A -14 4147
99		8.9A	9 56.350	-0.0016	15	-12 11 59.90	-0.043	17	0.31	56.377	18	33.4	59.19	16	33.4	G0	J		11	5320	A -11 3904
00		9.1A	10 0.376	-0.0008	18	-16 56 49.20	0.020	13	0.31	0.388	18	33.4	49.53	16	33.4	K0	J		12A	5601	A -16 4029

159100

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ_α s	σ_{μ_α} ″.001	δ_{1950} ° ′ ″	μ_δ ″	σ_{μ_δ} ″.001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	CAT.	SOURCE STAR NUMBER	DM NUMBER
1		8.8A	15 10 4.696	-0.0032	13	-19 56 10.95	-0.015	09	0.26	4.749	18	33.4	10.70	16	33.4	FO J	12B	6297	A -19 4052
2		8.9A	10 4.866	0.0006	15	-19 6 21.35	-0.027	12	0.28	4.857	18	33.4	20.91	16	33.4	K5 J	12B	6298	A -18 4001
3		8.9A	10 6.663	0.0020	15	-13 32 5.53	-0.009	17	0.31	6.630	18	33.4	5.37	16	33.4	F8 J	11	5321	A -13 4105
4		9.1A	10 10.705	0.0007	15	-14 29 27.98	0.027	17	0.31	10.693	18	33.4	28.42	16	33.4	F0 J	11	5322	A -14 4149
5		6.0T	10 27.954	-0.0037	03	-19 27 38.01	-0.041	03	0.19	28.142	07	98.8	35.91	07	98.2	A2	GC	20456	-19 4055
6		8.9A	10 31.481	-0.0003	11	-10 8 17.51	-0.014	09	0.23	31.486	16	33.4	17.29	16	33.4	K0 R	16	5315	A -9 4092
7		6.5T	10 31.638	-0.0028	07	-10 49 11.81	-0.034	06	0.41	31.798	15	92.1	9.83	14	92.5	A2	GC	20460	-10 4055
8		9.1A	10 46.474	0.0017	15	-10 59 40.82	0.017	17	0.31	46.445	18	33.4	41.09	16	33.4	G5 J	11	5324	A -10 4057
9		9.3A	10 55.629	0.0000	21	-18 2 26.29	-0.040	12	0.33	55.628	18	33.4	25.62	16	33.4	K0 J	12A	5602	A -17 4280
10		9.2A	10 56.565	-0.0019	17	-18 18 4.92	-0.038	13	0.30	56.596	18	33.4	4.29	16	33.4	K0 J	12B	6301	A -17 4281
11		7.9A	11 1.074	-0.0021	15	-13 50 13.28	0.005	17	0.31	1.109	18	33.4	13.35	16	33.4	G5 J	11	5325	A -13 4107
12		8.2A	11 2.525	-0.0007	15	-12 11 39.31	0.010	17	0.31	2.537	18	33.4	39.48	16	33.4	K0 J	11	5326	A -11 3909
13		9.2A	11 14.232	-0.0107	18	-17 9 27.56	-0.066	13	0.31	14.410	18	33.4	26.46	16	33.4	G5 J	12A	5604	A -16 4034
14		9.1A	11 17.531	0.0003	15	-13 30 23.41	0.005	15	0.30	17.526	18	33.4	23.48	16	33.4	G5 J	11	5327	A -13 4109
15		9.0A	11 20.519	-0.0071	18	-17 19 47.98	0.052	13	0.31	20.637	18	33.4	48.84	16	33.4	G0 J	12A	5605	A -16 4035
16		7.1A	11 29.332	-0.0004	17	-18 46 4.26	-0.001	13	0.30	29.339	18	33.4	4.25	16	33.4	A5 J	12B	6305	A -18 4007
17		7.0T	11 32.599	0.0013	11	-14 1 25.52	-0.019	11	0.54	32.536	10	01.7	24.56	14	00.4	M0	GC	20479	-13 4111
18		6.7T	11 38.188	-0.0080	04	-18 14 34.37	-0.025	04	0.22	38.555	09	03.9	33.11	09	99.5	F5	GC	20481	B*-17 4283
19		8.2A	11 38.479	-0.0022	15	-19 3 30.33	0.023	12	0.28	38.515	18	33.4	30.72	16	33.4	F5 J	12B	6307	A -18 4008
20		8.8A	11 39.474	-0.0007	21	-15 49 8.21	-0.020	15	0.35	39.486	18	33.4	7.87	16	33.4	A5 J	12A	5608	A -15 4059
21		8.9Q	11 40.380	-0.0062	08	-18 15 11.62	-0.040	08	0.41	40.654	17	05.6	9.71	15	02.3	F5	GC	20482	-17 4284
22		6.3T	11 44.134	-0.0017	03	-17 34 59.22	-0.018	03	0.15	44.202	06	08.9	58.43	07	08.8	B9	GC	20484	B*-17 4285
23		9.0A	11 44.637	0.0000	21	-16 14 9.01	-0.045	15	0.35	44.637	18	33.4	8.25	16	33.4	F0 J	12A	5610	A -15 4060
24		8.9A	11 54.733	0.0012	15	-13 41 41.67	-0.045	17	0.31	54.713	18	33.4	40.91	16	33.4	K0 J	11	5329	A -13 4113
25		8.8A	12 20.470	-0.0017	17	-14 58 6.06	0.010	06	0.27	20.498	18	33.4	6.23	16	33.4	K2 J	12A	5611	A -14 4155
26		9.2A	12 31.818	-0.0014	12	-10 23 2.76	-0.017	12	0.25	31.841	16	33.4	2.47	16	33.4	F5	16	5326	A -10 4061
27		9.6A	12 35.112	-0.0015	21	-15 17 17.21	-0.015	15	0.35	35.137	18	33.4	16.96	16	33.4	F5 J	12A	5612	A -14 4156
28		8.0A	12 40.233	-0.0029	15	-11 15 45.01	0.003	17	0.31	40.281	18	33.4	45.07	16	33.4	A2 J	11	5331	A -10 4063
29		9.3A	12 42.830	-0.0011	21	-14 52 34.00	0.031	15	0.35	42.849	18	33.4	34.52	16	33.4		12A	5613	A -14 4157
30		9.2A	12 45.019	-0.0025	21	-16 45 0.89	-0.003	15	0.35	45.060	18	33.4	0.84	16	33.4	G0 J	12A	5614	A -16 4039
31		8.9A	12 57.206	-0.0003	17	-19 21 35.45	0.007	13	0.30	57.211	18	33.4	35.58	16	33.4	B8 J	12B	6316	A -19 4061
32		8.4A	12 58.435	0.0004	18	-14 30 30.02	-0.042	13	0.31	58.429	18	33.4	29.33	16	33.4	B3 J	12A	5615	A -14 4160
33		9.0A	12 59.782	-0.0044	12	-10 29 37.08	0.010	11	0.24	59.855	16	33.4	37.26	16	33.4	F8	16	5329	A -10 4065
34		9.1A	13 3.822	-0.0012	15	-14 10 31.75	0.047	15	0.30	3.842	18	33.4	32.53	16	33.4	K5 J	11	5334	A -13 4117
35		8.9A	13 17.138	0.0009	17	-18 55 53.26	-0.016	13	0.30	17.123	18	33.4	53.01	16	33.4	K2 J	12B	6318	A -18 4015
36		9.1A	13 17.798	-0.0005	21	-14 51 10.93	-0.038	15	0.35	17.806	18	33.4	10.30	16	33.4	F8 J	12A	5616	A -14 4161
37		8.7A	13 21.794	0.0001	15	-12 43 39.57	-0.021	17	0.31	21.793	18	33.4	39.23	16	33.4	K0 J	11	5335	A -12 4224
38		8.4A	13 22.854	-0.0040	12	-10 24 49.85	-0.002	12	0.25	22.921	16	33.4	49.82	16	33.4	F8	16	5331	A -10 4067
39		8.2A	13 29.171	-0.0020	13	-18 26 42.38	-0.012	09	0.26	29.204	18	33.4	42.18	16	33.4	K2 J	12B	6320	A -18 4017
40		7.9A	13 45.973	-0.0032	18	-13 2 0.78	-0.000	20	0.36	46.025	18	33.4	0.77	16	33.4	A2 J	11	5337	A -12 4225
41		9.3A	13 47.111	-0.0021	21	-16 19 47.40	-0.007	15	0.35	47.145	18	33.4	47.28	16	33.4	F0 J	12A	5618	A -15 4068
42		8.6A	13 47.187	-0.0024	12	-10 3 44.07	-0.019	12	0.25	47.227	16	33.4	43.75	16	33.4	K5	16	5333	A -9 4104
43		8.6A	13 51.303	-0.0024	12	-10 14 12.22	-0.005	12	0.25	51.342	16	33.4	12.15	16	33.4	K5	16	5334	A -9 4105
44		8.7A	13 53.201	-0.0006	18	-19 49 2.21	-0.043	15	0.32	53.211	18	33.4	1.49	16	33.4	F5 J	12B	6321	A -19 4063
45		9.0A	14 0.649	0.0031	17	-10 50 16.17	0.005	18	0.34	0.598	18	33.4	16.24	16	33.4	G5 J	11	5339	A -10 4069
46		7.0T	14 3.148	0.0006	17	-12 51 21.50	-0.002	18	0.81	3.120	10	03.9	21.38	12	04.2	A2	GC	20531	-12 4227
47		8.8A	14 5.294	0.0022	12	-10 19 22.02	-0.029	12	0.25	5.257	16	33.4	21.55	16	33.4	F8	16	5337	A -9 4108
48		8.5A	14 9.484	0.0075	18	-11 21 34.91	0.019	20	0.36	9.359	18	33.4	35.22	16	33.4	G0 J	11	5342	A -11 3915
49		9.0A	14 10.433	-0.0020	15	-10 49 48.05	-0.002	17	0.31	10.466	18	33.4	48.02	16	33.4	G0 J	11	5344	A -10 4071
50		8.8A	14 12.677	0.0011	21	-14 24 54.26	-0.005	15	0.35	12.659	18	33.4	54.17	16	33.4	K0 J	12A	5619	A -14 4165
51		8.8A	15 14 13.781	-0.0019	18	-15 23 40.48	-0.026	13	0.31	13.813	18	33.4	40.04	16	33.4	A2 J	12A	5620	A -15 4071
52		9.1A	14 19.669	-0.0005	17	-18 54 53.15	-0.023	13	0.30	19.678	18	33.4	52.78	16	33.4	G0 J	12B	6325	A -18 4018
53		9.0A	14 30.116	-0.0033	17	-18 49 59.82	-0.043	12	0.29	30.170	18	33.4	59.12	16	33.4	G5 J	12B	6326	A -18 4021
54		8.9A	14 38.304	0.0014	18	-11 3 6.89	-0.012	20	0.36	38.281	18	33.4	6.70	16	33.4	A0 J	11	5345	A -10 4072
55		7.5A	14 49.227	-0.0038	12	-10 19 3.95	-0.019	12	0.25	49.290	16	33.4	3.64	16	33.4	F0	16	5343	A -9 4112
56		9.2A	14 50.218	0.0015	21	-17 0 51.26	-0.062	15	0.35	50.193	18	33.4	50.23	16	33.4	F8 J	12A	5621	A -16 4049
57		9.4A	14 55.908	0.0005	21	-15 5 21.88	-0.007	15	0.35	55.899	18	33.4	21.75	16	33.4	G5 J	12A	5622	A -14 4167
58		9.2A	14 59.162	-0.0043	15	-13 57 31.11	-0.007	15	0.30	59.234	18	33.4	30.98	16	33.4	K0 J	11	5347	A -13 4127
59		9.0A	15 11.635	-0.0053	17	-14 59 2.98	-0.030	11	0.29	11.723	18	33.4	2.49	16	33.4	F8 J	12A	5623	A -14 4168
60		9.2A	15 11.908	0.0016	17	-18 42 10.93	-0.086	13	0.30	11.882	18	33.4	9.51	16	33.4	G5 J	12B	6330	A -18 4025
61		8.7A	15 19.108	0.0008	15	-10 51 4.72	-0.022	17	0.31	19.095	18	33.4	4.34	16	33.4	A0 J	11	5348	A -10 4074
62		8.3A	15 39.430	-0.0017	15	-12 44 34.78	0.002	17	0.31	39.458	18	33.4	34.80	16	33.4	K0 J	11	5349	A -12 4232
63		8.9A	15 56.027	0.0019	18	-19 12 9.92	-0.028	13	0.31	55.995	18	33.4	9.47	16	33.4	K0 J	12B	6337	A -18 4032
64		8.5A	15 57.048	-0.0025	12	-10 4 8.66	-0.002	12	0.25	57.089	16	33.4	8.63	16	33.4	A0	16	5348	A -9 4118
65		9.0A	16 10.854	-0.0018	15	-19 39 6.06	-0.039	12	0.28	10.885	18	33.4	5.41	16	33.4	F8 J	12B	6339	A -19 4073
66		9.0A	16 12.223	-0.0010	18	-14 42 27.61	-0.018	13	0.31	12.240	18	33.4	27.32	16	33.4	K0 J	12A	5624	A -14 4171
67		8.4A	16 18.756	-0.0007	18	-14 8 54.45	0.043	18	0.34	18.768	18	33.4	55.16	16	33.4	K5 J	11	5350	A -13 4128
68		9.0A	16 35.074	0.0041	17	-19 46 31.28	-0.048	13	0.30	35.006	18	33.4	30.48	16	33.4	G5 J	12B	6340	A -19 4075
69		7.9A	16 35.484	-0.0020	17	-18 59 17.25	-0.034	13	0.30	35.518	18	33.4	16.70	16	33.4	A2 J	12B	6341	A -18 4034
70		8.8A	16 36.473	-0.0010	15	-11 0 3.68	-0.032	17	0.31	36.490	18	33.4	3.14	16	33.4	A3 J	11	5351	A -10 4080
71		8.8A	16 36.478	0.0000	21	-18 6 27.37	0.006	15	0.35	36.478	18	33.4	27.47	16	33.4	A2 J	12A	5625	A -17 4300
72		9.6A	16 38.430	-0.0021	21	-18 9 4.56	-0.014	15	0.35	38.466	18	33.4	4.33	16	33.4	G0 J	12A	5626K	A -17 4301
73		8.8A	16 40.155	-0.0004	17	-11 26 30.84	-0.017	18	0.34	40.162	18	33.4	30.55	16	33.4	K0 J	11	5352	A -11 3921
74		9.0A	16 55.878	-0.0067	15	-11 46 25.36	0.010	17	0.31	55.989	18	33.4	25.52	16	33.4	G0 J	11	5353	A -11 3923
75		7.7A	16 58.723	-0.0051	15	-19 22 11.66	0.007	12	0.28	58.808	18	33.4	11.79	16	33.4	F5 J	12B	6343	A -19 4076
76		9.0A	17 3.718	-0.0020	21	-15 10 16.10	-0.035	15	0.35	3.751	18	33.4	15.51	16	33.4	K0 J	12A	5627	A -14 4175
77		9.0A	17 7.710	-0.0019	18	-10 59 56.13	-0.002	20	0.36	7.741	18	33.4	56.10	16	33.4	F2 J	11	5355	A -10 4083
78		9.0A	17 9.509	-0.0019	21	-14 13 2.72	0.011	15	0.35	9.541	18	33.4	2.89	16	33.4	K0 J	12A	5628	A -13 4129
79		9.2A	17 19.944	-0.0017	18	-18 1 50.76	0.007	13	0.31	19.973	18	33.4	50.87	16	33.4	K0 J	12A	5629	A -17 4307
80		8.4A	17 23.794	-0.0013	17	-13 0 41.22	0.000	18	0.34	23.816	18	33.4	41.23	16	33.4	F0 J	11	5356	A -12 4238
81		8.6A	17 27.749	-0.0051	18	-10 58 20.04	-0.015	20	0.36	27.834	18	33.4	19.78	16	33.4	K5 J	11	5357	A -10 4084
82		9.1A	17 35.425	0.0000	15	-13 47 17.12	-0.019	15	0.30	35.424	18	33.4	16.80	16	33.4	K0 J	11	5358	A -13 4132
83		9.1A	17 37.446	-0.0004	18	-12 0 35.78	-0.026	20	0.36	37.453	18	33.4	35.35	16	33.4	G5 J	11	5359	A -11 3926
84		8.5Q	17 47.638	-0.0004	11	-10 51 10.67	0.000	09	0.50	47.654	18	04.5	10.69	18	01.0	A0	GC	20612	-10 4085
85		8.2A	17 50.242	-0.0022	21	-14 33 41.17	-0.033	15	0.35	50.280	18	33.4	40.63	16	33.4	K0 J	12A	5630	A -14 4180
86		8.8A	17 52.931	-0.0022	21	-16 14 49.64	-0.009	15	0.35	52.967	18	33.4	49.48	16	33.4	K0 J	12A	5631	A -15 4082
87		6.2T	18 3.244	-0.0009	05	-17 58 42.19	-0.065	03	0.14	3.282	06	05.9	39.10	06	02.3	K0	GC	20618	B*-17 4312
88		7.5T	18 9.478	-0.0014	08	-15 11 38.97	-0.016	07	0.43	9.542	19	02.6	38.15	18	00.0	K0	GC	20623	B*-14 4182
89		8.8A	18 9.658	0.0018	17	-18 42 23.80	-0.030	13	0.30	9.628	18	33.4	23.31	16	33.4	K2 J	12B	6347	A -18 4041
90		8.4A	18 12.370	0.0016	18	-18 28 39.87	0.008	13	0.31	12.344	18	33.4	39.97	16	33.4	K5 J	12B	6348	A -18 4043
91		6.1T	18 13.354	0.0015	03	-15 22 9.69	0.021	03	0.14	13.281	06	02.4	10.69	06	01.7	F5	GC	20628	B*-15 4083
92		8.8A	18 14.229	-0.0072	21	-15 47 16.01	-0.053	15	0.35	14.348	18	33.4	15.12	16	33.4	G0 J	12A	5636	A -15 4085
93		8.9A	18 18.062	0.0012	17	-13 36 24.41	-0.002	18	0.34	18.042	18	33.4	24.37	16	33.4	K0 J	11	5361	A -13 4134
94		8.8A	18 26.913	-0.0000	21	-18 2 20.11	-0.022	15	0.35	26.914	18	33.4	19.74	16	33.4	G5 J	12A	5637	A -17 4314
95		8.7A	18 46.791	0.0069	17	-11 54 41.51	-0.056	18	0.34	46.676	18	33.4	40.59	16	33.4	G0 J	11	5362	A -11 3931
96		8.2A	18 52.154	-0.0020	15	-11 18 31.95	0.017	17	0.31	52.187	18	33.4	32.24	16	33.4	K2 J	11	5363	A -10 4087
97		8.3A	18 54.145	0.0011	17	-11 23 17.19	-0.012	18	0.34	54.127	18	33.4	17.00	16	33.4	K0 J	11	5364	A -11 3932
98		9.2A	18 57.110	0.0012	17	-13 22 23.38	-0.046	17	0.32	57.090	18	33.4	22.62	16	33.4	K2 J	11	5365	A -13 4136
99		8.6A	19 1.483	-0.0033	21	-14 58 56.46	-0.029	15	0.35	1.538	18	33.4	55.98	16	33.4	G5 J	12A	5638	A -14 4184
00		9.0A	19 7.752	-0.0005	21	-17 30 7.62	-0.026	15	0.35	7.761	18	33.4	7.19	16	33.4	K0 J	12A	5639	A -17 4316

-10° 15H

159200

EPOCH 1950 — ORIGINAL EPOCH — SOURCE — -10° 15H

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	σ_μ ″.001	σ_{1950} ″	α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.		CAT.	STAR NUMBER	DM NUMBER
1		9.2A	15 19 12.119	-0.0023	21	-14 54 12.79	-0.001	15	0.35	12.158	18	33.4	12.78	16	33.4	K5	J	12A	5640	A -14 4185
2		9.0A	19 25.328	-0.0068	21	-18 4 32.11	-0.035	15	0.35	23.440	18	33.4	31.53	16	33.4	G0	J	12A	5641	A -17 4317
3		9.0A	19 36.486	-0.0012	21	-14 19 48.46	0.008	15	0.35	36.486	18	33.4	49.59	16	33.4	A2	J	12A	5642	A -13 4139
4		8.9A	19 37.474	-0.0060	20	-19 19 27.76	0.015	15	0.34	37.574	18	33.4	27.98	16	33.4	K2	J	12B	6356	A -18 4047
5		9.0A	19 49.435	-0.0001	21	-14 42 3.71	-0.030	15	0.35	49.437	18	33.4	3.22	16	33.4	K0	J	12A	5644	A -14 4146
6		8.8A	19 49.688	-0.0062	18	-15 52 22.42	-0.045	13	0.31	49.791	18	33.4	21.66	16	33.4	F8	J	12A	5643	A -15 4089
7		7.9T	19 53.529	-0.0038	09	-10 28 49.62	-0.202	07	0.41	53.698	15	06.0	40.27	15	03.6	K0		GC	20874	-10 4088
8		8.3A	20 3.035	0.0023	18	-11 1 37.59	-0.007	20	0.36	2.997	18	33.4	37.48	16	33.4	A2	J	11	5369	A -10 4090
9		8.7A	20 3.916	-0.0008	15	-13 25 4.83	-0.061	17	0.31	3.928	18	33.4	3.82	16	33.4	K2	J	11	5368	A -13 4143
10		8.4A	20 5.414	-0.0008	15	-13 37 20.82	-0.002	17	0.31	5.427	18	33.4	20.76	16	33.4	G5	J	11	5370	A -13 4144
11		8.6A	20 8.943	-0.0052	18	-18 40 0.40	-0.066	13	0.31	9.029	18	33.4	59.32	16	33.4	K0	J	12B	6360	A -18 4050
12		6.7H	20 14.159	-0.0002	01	-14 57 24.85	0.015	01	0.06	14.166	03	11.5	25.39	03	13.0	K2		F4	1405	-14 4188
13		8.6A	20 19.301	-0.0006	17	-19 36 37.13	-0.016	13	0.30	19.312	18	33.4	36.86	16	33.4	K0	J	12B	6361	A -19 4091
14		8.5A	20 21.840	-0.0008	15	-11 16 36.05	0.005	17	0.31	21.853	18	33.4	38.14	16	33.4	K5	J	11	5371	A -10 4092
15		7.9A	20 27.909	-0.0025	12	-10 18 27.43	-0.155	12	0.25	27.951	16	33.4	24.86	16	33.4	G5		16	5374	A -9 4133
16		8.8A	20 28.031	0.0012	17	-13 44 27.84	-0.050	18	0.34	28.011	18	33.4	27.00	16	33.4	G0	J	11	5372	A -13 4145
17		9.4A	20 34.727	-0.0014	21	-14 59 15.85	-0.004	15	0.35	34.751	18	33.4	15.79	16	33.4	K0	J	12A	5647	A -14 4190
18		8.0A	20 41.843	-0.0012	21	-16 23 12.62	-0.045	15	0.35	41.863	18	33.4	11.86	16	33.4	K0	J	12A	5648	A -16 4070
19		7.9A	20 43.976	0.0122	18	-14 10 25.46	-0.092	20	0.36	43.773	18	33.4	23.92	16	33.4	K0	J	11	5374	A -13 4148
20		9.2A	20 45.956	-0.0009	21	-16 0 12.05	0.009	15	0.35	45.971	18	33.4	12.19	16	33.4	K0	J	12A	5649	A -15 4096
21		9.1A	20 48.741	-0.0039	18	-12 7 4.90	0.000	20	0.36	48.806	18	33.4	4.91	16	33.4	F8	J	11	5375	A -11 3937
22		8.9A	20 49.216	-0.0025	17	-19 34 36.63	-0.024	13	0.30	49.257	18	33.4	36.23	16	33.4	F0	J	12B	6363	A -19 4095
23		8.9A	20 54.534	-0.0015	17	-13 24 42.44	-0.039	18	0.34	54.559	18	33.4	41.78	16	33.4	G0	J	11	5376	A -13 4150
24		9.2A	21 0.396	-0.0010	12	-10 17 19.39	0.017	12	0.25	0.412	16	33.4	19.68	16	33.4	A2		16	5377	A -9 4136
25		9.1A	21 2.968	-0.0023	18	-12 53 14.18	-0.007	20	0.36	3.006	18	33.4	14.05	16	33.4	G5	J	11	5378	A -12 4246
26		9.5A	21 5.068	-0.0042	21	-16 29 57.40	-0.037	15	0.35	5.138	18	33.4	56.78	16	33.4	F8	J	12A	5650	A -16 4072
27		5.8T	21 7.351	-0.0028	04	-12 11 32.71	-0.044	03	0.17	7.479	06	03.6	30.69	06	03.6	K0		GC	20695	B*-11 3940
28		8.4A	21 8.898	-0.0022	15	-13 36 1.16	-0.023	17	0.31	8.935	18	33.4	0.78	16	33.4	A0	J	11	5380	A -13 4151
29		8.8A	21 17.750	-0.0006	21	-15 13 8.88	-0.031	15	0.35	17.760	18	33.4	8.36	16	33.4	K0	J	12A	5651	A -14 4193
30		8.2A	21 18.097	-0.0012	18	-14 8 0.44	-0.021	20	0.36	18.117	18	33.4	0.09	16	33.4	K0	J	11	5381	A -13 4152
31		9.3A	21 20.445	-0.0046	21	-17 22 2.90	-0.063	15	0.35	20.521	18	33.4	1.85	16	33.4	G0	J	12A	5652	A -17 4322
32		9.4A	21 28.214	0.0168	18	-19 33 34.86	-0.246	13	0.31	27.934	18	33.4	30.76	16	33.4	K0	J	12B	6369	A -19 4097
33		9.3A	21 28.672	-0.0042	18	-17 8 10.74	-0.032	11	0.30	28.742	18	33.4	10.21	16	33.4	G5	J	12A	5653	A -16 4074
34		5.1T	21 29.016	-0.0048	03	-10 8 37.90	-0.158	03	0.19	29.282	09	94.0	29.30	09	95.4	F0		GC	20899	B*-9 4138
35		9.0A	21 29.019	-0.0022	21	-15 55 12.21	-0.004	15	0.35	29.055	18	33.4	12.14	16	33.4	F8	J	12A	5654	A -15 4098
36		9.0A	21 29.768	0.0009	21	-14 30 46.31	0.001	15	0.35	29.754	18	33.4	46.33	16	33.4	G5	J	12A	5655	A -14 4194
37		8.1A	21 37.514	-0.0001	17	-19 47 15.58	-0.003	12	0.29	37.515	18	33.4	15.53	16	33.4	K2	J	12B	6370	A -19 4099
38		8.9A	21 39.903	0.0046	21	-16 49 10.38	-0.029	15	0.35	39.826	18	33.4	9.90	16	33.4	G0	J	12A	5656	A -16 4076
39		8.9A	21 40.051	0.0029	21	-16 48 38.03	-0.033	15	0.35	40.002	18	33.4	37.48	16	33.4	G0	J	12A	5657	A -16 4076
40		8.5A	21 44.918	0.0042	18	-12 43 43.41	0.051	20	0.36	44.849	18	33.4	44.26	16	33.4	F8	J	11	5382	A -12 4250
41		9.1A	21 48.221	-0.0005	18	-18 54 50.13	0.003	13	0.31	48.230	18	33.4	50.19	16	33.4	K0	J	12B	6371	A -18 4055
42		8.9A	21 48.760	0.0013	17	-10 40 59.51	-0.026	18	0.34	48.738	18	33.4	59.08	16	33.4	G0	J	11	5383	A -10 4095
43		9.2A	21 59.268	-0.0013	18	-18 12 6.86	0.008	13	0.31	59.290	18	33.4	6.99	16	33.4	M0	J	12B	6374	A -17 4325
44		9.3A	22 20.223	-0.0015	18	-11 28 14.68	-0.036	20	0.36	20.248	18	33.4	14.07	16	33.4	K	J	11	5384	A -11 3942
45		9.2A	22 22.972	0.0007	12	-10 9 16.15	-0.000	12	0.25	22.960	16	33.4	16.14	16	33.4	G0		16	5385	A -9 4141
46		8.2A	22 29.574	-0.0019	18	-10 48 51.64	-0.034	20	0.36	29.605	18	33.4	51.08	16	33.4	F5	J	11	5385	A -10 4096
47		9.1A	22 36.150	0.0005	21	-16 55 8.01	0.008	15	0.35	36.141	18	33.4	8.14	16	33.4	K2	J	12A	5659	A -16 4079
48		9.0A	22 46.669	-0.0002	18	-13 47 5.47	-0.033	20	0.36	46.673	18	33.4	4.91	16	33.4	F8	J	11	5386	A -13 4157
49		9.0A	22 46.685	-0.0110	15	-13 33 33.24	-0.061	17	0.31	46.868	18	33.4	32.22	16	33.4	G0	J	11	5387	A -13 4158
50		8.8A	22 49.240	-0.0006	21	-15 16 14.03	-0.023	15	0.35	49.250	18	33.4	13.64	16	33.4	A5	J	12A	5660	A -14 4199
51		9.0A	15 22 51.676	0.0004	17	-13 54 52.06	-0.011	18	0.34	51.670	18	33.4	51.87	16	33.4	A5	J	11	5388	A -13 4159
52		8.5A	22 55.017	-0.0010	17	-12 41 43.94	-0.056	18	0.33	55.032	18	33.9	43.03	16	33.9	A2	J	11	5389	A -12 4253
53		9.0A	23 1.060	-0.0012	18	-18 20 28.25	-0.012	13	0.31	1.079	18	33.4	28.05	16	33.4	A2	J	12B	6378	A -18 4061
54		9.2A	23 15.500	0.0007	18	-10 58 33.61	-0.095	20	0.35	15.489	18	33.9	32.09	16	33.9			11	5390	A -10 4103
55		9.3A	23 15.712	0.0025	17	-18 24 51.73	-0.044	13	0.30	15.671	18	33.4	51.00	16	33.4	F0	J	12B	6380	A -18 4063
56		9.0A	23 20.786	-0.0024	21	-15 8 40.53	-0.030	15	0.35	20.826	18	33.4	40.02	16	33.4	K2	J	12A	5663	A -14 4200
57		8.5A	23 21.505	-0.0009	18	-11 31 26.74	-0.012	20	0.35	21.520	18	33.9	26.54	16	33.9	F0	J	11	5391	A -11 3944
58		8.9A	23 31.797	0.0059	21	-17 49 40.60	-0.093	12	0.33	31.699	18	33.4	39.05	16	33.4	G5	J	12A	5664	A -17 4330
59		9.0A	23 42.548	-0.0008	21	-14 18 8.66	0.008	15	0.35	42.561	18	33.4	8.78	16	33.4	K0	J	12A	5666	A -13 4162
60		9.5A	23 43.674	-0.0010	21	-16 51 11.90	-0.045	15	0.35	43.690	18	33.4	11.15	16	33.4	M0	J	12A	5665	A -16 4085
61		8.5A	23 47.470	0.0001	15	-13 48 52.27	-0.001	17	0.30	47.468	18	33.9	52.25	16	33.9	K0	J	11	5393	A -13 4163
62		9.2A	23 56.322	-0.0010	21	-17 49 29.83	-0.026	15	0.35	56.339	18	33.4	29.40	16	33.4	G0	J	12A	5668	A -17 4335
63		7.0T	23 57.729	0.0029	11	-19 49 52.93	-0.014	12	0.56	57.588	09	02.0	52.24	12	01.1	F8		GC	20753	-19 4106
64		8.6A	23 59.974	-0.0057	18	-12 9 21.03	-0.012	20	0.35	+ 0.066	18	33.9	20.84	16	33.9	G0	J	11	5394	A -11 3947
65		9.2A	24 1.200	-0.0022	21	-16 15 49.33	-0.018	15	0.35	1.236	18	33.4	49.02	16	33.4	K0	J	12A	5669	A -15 4109
66		9.1A	24 4.939	-0.0019	18	-13 39 2.93	-0.047	20	0.35	4.971	18	33.9	2.17	16	33.9	K0	J	11	5395	A -13 4165
67		8.6A	24 11.412	-0.0003	20	-11 48 7.78	0.000	20	0.36	11.417	18	33.9	7.79	16	33.9	F5	J	11	5396	A -11 3948
68		8.7A	24 17.529	0.0009	21	-15 36 25.73	-0.008	15	0.35	17.515	18	33.4	25.59	16	33.4	A3	J	12A	5670	A -15 4107
69		9.2A	24 41.779	0.0024	17	-18 24 51.02	-0.035	13	0.30	41.739	18	33.4	50.44	16	33.4	K0	J	12B	6387	A -18 4067
70		8.9A	24 42.663	-0.0006	18	-13 27 0.98	-0.029	20	0.35	42.673	18	33.9	0.50	16	33.9	F8	J	11	5397	A -13 4168
71		7.7T	24 46.724	-0.0033	08	-10 47 20.00	-0.049	06	0.49	46.915	22	91.4	16.60	19	81.2	G0		GC	20766K	B*-10 4107
72		8.8A	24 48.208	0.0017	21	-16 18 58.15	0.005	15	0.35	48.180	18	33.4	58.22	16	33.4	A3	J	12A	5672	A -15 4112
73		9.3A	24 50.828	-0.0021	20	-12 7 45.85	-0.020	20	0.36	50.862	18	33.9	45.52	16	33.9	F0	J	11	5400	A -11 3949
74		9.3A	24 52.256	-0.0010	15	-19 27 44.23	-0.002	12	0.28	52.272	18	33.4	44.19	16	33.4	A0	J	12B	6388	A -19 4108
75		7.9A	24 54.145	-0.0025	18	-14 46 52.27	-0.013	13	0.31	54.187	18	33.4	52.06	16	33.4	K2	J	12A	5674	A -14 4208
76		9.0A	24 54.379	-0.0063	21	-15 14 34.24	-0.056	15	0.35	54.484	18	33.4	33.31	16	33.4	F5	J	12A	5675	A -14 4207
77		9.1A	24 55.167	-0.0040	18	-16 58 50.11	-0.017	13	0.31	55.233	18	33.4	49.83	16	33.4	G5	J	12A	5673	A -16 4087
78		9.2A	25 4.631	-0.0020	18	-19 43 12.05	-0.030	13	0.31	4.664	18	33.4	11.55	16	33.4	K2	J	12B	6389	A -19 4111
79		9.0A	25 19.925	-0.0014	15	-13 20 43.25	-0.022	17	0.30	19.948	18	33.9	42.90	16	33.9	G5	J	11	5401	A -13 4170
80		5.9H	25 25.910	0.0011	01	-16 32 36.71	-0.036	01	0.05	25.866	02	08.7	35.23	02	08.8	K0		F4	1407	-16 4089
81		7.7T	25 29.342	0.0014	11	-11 16 35.07	-0.009	08	0.54	29.268	19	96.4	34.59	18	94.1	A0		GC	20784	-10 4108
82		9.2A	25 37.651	-0.0003	18	-12 55 28.56	-0.014	20	0.35	37.656	18	33.9	28.34	16	33.9	K2	J	11	5403	A -12 4260
83		9.1A	25 42.113	-0.0008	18	-13 42 57.41	0.029	20	0.35	42.127	18	33.9	57.67	16	33.9	K5	J	11	5404	A -13 4172
84		9.3A	25 49.854	-0.0009	21	-15 6 14.28	-0.011	15	0.35	49.869	18	33.4	14.46	16	33.4	G5	J	12A	5678	A -14 4212
85		6.8T	25 50.027	-0.0034	10	-15 31 47.61	-0.019	13	0.53	50.253	18	08.0	46.77	17	06.6	G5		GC	20796	-15 4118
86		8.2A	25 51.637	0.0014	17	-18 33 2.62	-0.041	13	0.30	51.614	18	33.4	1.94	16	33.4	K0	J	12B	6395	A -18 4074
87		8.7A	26 8.479	-0.0009	20	-12 33 15.10	-0.002	20	0.36	8.493	18	33.9	15.06	16	33.9	B9	J	11	5405	A -12 4262
88		9.2A	26 12.075	0.0022	18	-14 56 41.10	-0.065	13	0.31	12.039	18	33.4	40.02	16	33.4	G0	J	12A	5679	A -14 4213
89		9.2A	26 29.466	-0.0013	21	-14 15 49.64	-0.017	15	0.35	29.489	18	33.4	49.35	16	33.4	A0	J	12A	5680	A -13 4174
90		9.0A	26 32.138	-0.0018	15	-19 13 59.07	-0.002	12	0.28	32.167	18	33.4	59.03	16	33.4	B9	J	12B	6399	A -18 4076
91		8.8A	26 40.791	0.0005	15	-11 33 31.12	0.019	17	0.30	40.782	18	33.9	31.42	16	33.9	K7	J	11	5407	A -11 3952
92		7.2T	26 44.732	-0.0051	04	-17 16 10.98	0.007	04	0.22	44.982	10	00.9	11.33	10	98.4	F0P		GC	20814	B*-16 4093
93		9.1A	26 47.369	-0.0001	21	-16 42 57.34	-0.006	15	0.35	47.371	18	33.4	57.24	16	33.4	K2	J	12A	5682	A -16 4094
94		8.6A	26 54.107	-0.0020	21	-16 40 12.24	-0.020	15	0.35	54.140	18	33.4	11.91	16	33.4	+++	J	12A	5683	A -16 4095
95		9.0A	27 6.584	-0.0006	17	-18 16 4.16	-0.014	13	0.30	6.594	18	33.4	3.93	16	33.4	A2	J	12B	6402	A -17 4344
96		9.0A	27 6.662	-0.0018	13	-19 45 51.91	-0.027	09	0.26	6.693	18	33.4	52.35	16	33.4	G0	J	12B	6400	A -19 4119
97		8.8A	27 9.034	-0.0038	17	-14 38 35.60	-0.002	13	0.30	9.097	18	33.4	35.57	16	33.4	G5	J	12A	5685	A -14 4218
98		8.2A	27 14.208	-0.0019	18	-12 36 20.94	0.013	20	0.35	14.238	18	33.9	21.16	16	33.9	G5	J	11	5408	A -12 4265
99		8.7Q	27 21.097	-0.0025	06	-17 5 1.63	-0.006	05	0.39	21.250	17	88.4	1.21	15	81.5	A2		GC	20827	-16 4097
00		8.7A	27 25.282	0.0000	21	-15 31 7.59	0.002	15	0.35	25.281	18	33.4	7.61	16	33.4	K5	J	12A	5688	A -15 4130

159300

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	EPOCH 1950 μ s	EPOCH 1950 σ_μ ″.001	EPOCH 1950 δ_{1950} ° ′ ″	EPOCH 1950 μ' ″	EPOCH 1950 σ'_μ ″.001	EPOCH 1950 σ_{1950} ″	ORIGINAL EPOCH α_2 s	ORIGINAL EPOCH σ ″.01	ORIGINAL EPOCH ep.	ORIGINAL EPOCH δ_2 ″	ORIGINAL EPOCH σ' ″.01	ORIGINAL EPOCH ep.	SP.		SOURCE CAT.	SOURCE STAR NUMBER	-10° 15H DM NUMBER
1		9.6A	15 27 25.300	-0.0056	21	-16 35 15.61	-0.063	15	0.35	25.393	18	33.4	14.56	16	33.4			12A	5687	A -16 4098
2		8.8A	27 34.164	-0.0006	18	-12 0 30.39	0.015	20	0.35	34.174	18	33.9	30.62	16	33.9	A5	J	11	5409	A -11 3955
3		9.0A	27 36.579	-0.0033	15	-13 49 35.58	0.046	17	0.30	36.633	18	33.9	36.31	16	33.9	K0	J	11	5410	A -13 4179
4		9.1A	27 44.010	-0.0000	12	-10 9 10.23	0.049	12	0.25	44.010	16	33.4	11.05	16	33.4	G0	R	16	5413	A -9 4157
5		8.8A	27 45.466	-0.0022	15	-13 30 49.65	-0.016	17	0.30	45.501	18	33.9	49.38	16	33.9	F2	J	11	5411	A -13 4180
6		8.5A	27 49.489	-0.0007	15	-12 34 12.60	-0.034	17	0.30	49.500	18	33.9	12.04	16	33.9	A3	J	11	5412	A -12 4267
7		5.9T	27 50.843	0.0011	03	-16 26 21.35	-0.003	03	0.18	50.786	06	99.3	21.18	07	97.9	K0		GC	20842	B*-16 4099
8		9.0A	28 6.635	-0.0007	12	-10 8 27.52	-0.005	12	0.25	6.646	16	33.4	27.45	16	33.4	G0		16	5416	A -9 4159
9		8.0G	28 11.211	-0.0010	09	-18 39 59.19	-0.030	07	0.46	11.260	17	99.2	57.58	17	98.4	A2		GC	20845	-18 4083
10		7.6T	28 16.356	0.0002	09	-15 40 32.46	0.003	08	0.45	16.345	18	01.6	32.60	17	98.5	A5		GC	20847	-15 4132
11		9.3A	28 29.721	-0.0025	21	-15 35 47.71	-0.020	15	0.34	29.761	18	33.9	47.38	16	33.9	F5	J	12A	5692	A -15 4133
12		8.6A	28 29.756	-0.0023	13	-12 1 9.25	0.007	15	0.29	29.793	18	33.9	9.36	16	33.9	F5	J	11	5414	A -13 4182
13		9.1A	28 45.090	-0.0020	15	-11 46 20.37	-0.012	17	0.30	45.122	18	33.9	20.17	16	33.9	K2	J	11	5417	A -11 3960
14		8.5A	28 46.201	0.0002	15	-14 8 50.55	0.005	17	0.30	46.198	18	33.9	50.62	16	33.9	K2	J	11	5416	A -13 4183
15		8.8A	28 49.176	0.0001	21	-16 51 13.80	-0.027	15	0.34	49.174	18	33.9	13.36	16	33.9	M1	J	12A	5693	A -16 4104
16		8.7Q	28 49.650	-0.0045	26	-19 59 41.83	-0.054	20	0.98	49.835	24	08.6	39.52	24	07.3	F0		GC	20860K	-19 4128
17		6.1T	28 50.466	-0.0054	04	-19 59 42.78	-0.032	04	0.21	50.689	09	08.4	41.34	09	05.2	A5		GC	20861K	-19 4128
18		9.2A	28 52.858	0.0027	15	-14 7 46.45	-0.070	17	0.30	52.815	18	33.9	45.31	16	33.9	G0	J	11	5418	A -13 4184
19		8.3A	28 54.083	-0.0038	13	-11 4 27.36	-0.024	15	0.29	54.143	18	33.9	26.98	16	33.9	F8	J	11	5419	A -10 4119
20		9.0A	28 54.710	-0.0033	17	-19 31 26.01	-0.088	13	0.30	54.764	18	33.9	24.59	16	33.9	G5	J	12B	6410	A -19 4129
21		8.8A	29 2.607	-0.0013	13	-14 2 26.90	0.072	15	0.29	2.628	18	33.9	28.05	16	33.9	G0	J	11	5420	A -13 4185
22		8.7A	29 6.937	-0.0012	17	-18 19 2.16	-0.021	13	0.30	6.957	18	33.9	1.82	16	33.9	K0	J	12B	6412	A -17 4356
23		9.2A	29 9.632	0.0005	15	-12 37 39.72	-0.022	17	0.30	9.623	18	33.9	39.36	16	33.9	G5	J	11	5421	A -12 4271
24		9.2A	29 13.351	0.0016	18	-19 43 37.83	0.032	13	0.31	13.325	18	33.9	38.34	16	33.9	G0	J	12B	6414	A -19 4130
25		9.1A	29 27.643	-0.0006	12	-10 10 44.53	-0.002	11	0.24	27.652	16	33.4	44.49	16	33.4	G5		16	5424	A -9 4162
26		9.2A	29 28.394	0.0007	17	-13 11 29.90	0.008	18	0.33	28.382	18	33.9	30.03	16	33.9	K2	J	11	5422	A -12 4272
27		6.7T	29 34.341	0.0007	10	-10 16 11.11	-0.073	11	0.53	34.305	18	02.3	7.55	18	00.9	G0		GC	20875	-9 4163
28		9.0A	29 41.392	-0.0043	17	-19 50 19.57	-0.025	13	0.30	41.462	18	33.9	19.16	16	33.9	G5	J	12B	6416	A -19 4134
29		9.3Q	29 41.806	-0.0004	08	-19 14 3.39	-0.005	06	0.45	41.824	18	01.3	3.16	17	99.5	B9		GC	20877	-18 4068
30		5.5T	29 44.058	-0.0017	04	-19 30 5.82	-0.042	04	0.22	44.140	06	00.7	3.65	07	98.5	A2		GC	20878	-19 4135
31		9.0A	29 50.146	-0.0014	21	-15 26 45.97	-0.069	15	0.34	50.169	18	33.9	44.85	16	33.9	G5	J	12A	5695	A -15 4136
32		9.4A	29 51.832	-0.0025	21	-14 18 12.68	-0.038	15	0.34	51.873	18	33.9	12.06	16	33.9	K0	J	12A	5696	A -13 4188
33		8.8A	29 56.298	0.0007	21	-17 45 38.65	-0.019	15	0.34	56.288	18	33.9	38.35	16	33.9	G0	J	12A	5697	A -17 4361
34		9.2A	30 0.210	0.0015	21	-17 35 42.12	-0.099	15	0.34	0.186	18	33.9	40.53	16	33.9	G0	J	12A	5698	A -17 4362
35		5.6T	30 5.435	-0.0009	03	-16 41 4.86	-0.018	02	0.17	5.483	07	97.1	3.80	07	91.1	B3		GC	20887	B*-16 4110
36		9.2A	30 9.828	-0.0033	21	-17 4 44.64	-0.019	15	0.34	9.882	18	33.9	44.33	16	33.9	F2	J	12A	5700	A -16 4111
37		9.2A	30 14.305	0.0002	17	-14 0 6.47	-0.008	18	0.33	14.301	18	33.9	6.34	16	33.9			11	5426	A -13 4190
38		8.7A	30 16.331	-0.0016	21	-15 13 45.63	-0.014	15	0.34	16.357	18	33.9	45.41	16	33.9	K5	J	12A	5701	A -14 4227
39		8.6A	30 16.481	-0.0008	20	-19 43 58.97	0.013	15	0.33	16.494	18	33.9	59.19	16	33.9	M1	J	12B	6423	A -19 4138
40		9.1A	30 19.746	-0.0006	18	-12 55 13.28	-0.002	20	0.35	19.756	18	33.9	13.25	16	33.9	K2	J	11	5427	A -12 4277
41		8.0A	30 29.224	-0.0009	15	-12 50 42.66	0.012	17	0.30	29.239	18	33.9	42.85	16	33.9	G5	J	11	5428	A -12 4278
42		8.9A	30 37.287	0.0003	18	-19 53 22.72	-0.007	13	0.31	37.283	18	33.9	22.60	16	33.9	G5	J	12B	6425	A -19 4141
43		8.9A	30 43.179	0.0007	18	-11 33 21.53	0.000	20	0.35	43.168	18	33.9	21.53	16	33.9	K2	J	11	5430	A -11 3964
44		8.8A	30 43.411	-0.0012	17	-12 37 39.71	0.008	18	0.33	43.430	18	33.9	39.84	16	33.9	K2	J	11	5429	A -12 4279
45		9.0A	30 47.882	-0.0025	20	-13 20 35.88	-0.026	20	0.36	47.923	18	33.9	35.46	16	33.9	K0	J	11	5431	A -13 4192
46		8.5A	30 49.939	-0.0012	15	-10 53 52.76	-0.027	17	0.30	49.959	18	33.9	52.33	16	33.9	F0	J	11	5432	A -10 4122
47		9.2A	30 54.394	-0.0017	17	-14 45 16.73	-0.026	12	0.29	54.421	18	33.9	16.31	16	33.9	K0	J	12A	5702	A -14 2229
48		9.0A	31 6.911	-0.0003	15	-19 24 40.99	-0.000	12	0.28	6.916	18	33.9	40.99	16	33.9	F8	J	12B	6427	A -19 4145
49		8.3Q	31 7.028	-0.0068	13	-16 49 51.46	-0.341	12	0.59	7.325	18	06.4	35.30	18	02.6	G5		GC	20912	-16 4112
50		8.4A	31 8.183	-0.0017	21	-17 17 37.32	-0.011	15	0.34	8.211	18	33.9	37.14	16	33.9	K0	J	12A	5704	A -16 4113
51		7.2A	15 31 16.128	0.0019	15	-14 3 45.23	-0.035	15	0.30	16.097	18	33.9	44.67	16	33.9	F8	J	11	5433	A -13 4193
52		8.6A	31 17.678	-0.0007	21	-14 42 5.46	-0.038	15	0.34	17.690	18	33.9	4.85	16	33.9	K2	J	12A	5705	A -14 4232
53		9.0A	31 28.330	0.0003	21	-16 2 58.53	-0.035	15	0.34	28.325	18	33.9	57.97	16	33.9	K0	J	12A	5706	A -15 4140
54		8.8A	31 30.825	0.0007	21	-16 12 47.72	0.018	15	0.34	30.814	18	33.9	48.01	16	33.9	K0	J	12A	5707	A -15 4141
55		8.5A	31 36.154	-0.0001	18	-17 31 54.05	-0.024	13	0.31	36.156	18	33.9	53.67	16	33.9	A0	J	12A	5708	A -17 4368
56		8.8A	31 38.051	-0.0007	17	-18 53 15.31	-0.011	13	0.30	38.062	18	33.9	15.13	16	33.9	G5	J	12B	6431	A -18 4093
57		8.7A	31 52.120	0.0017	17	-11 41 3.35	-0.030	18	0.33	52.093	18	33.9	2.87	16	33.9	K2	J	11	5434	A -11 3969
58		7.6A	32 9.356	-0.0014	18	-16 58 20.63	-0.025	13	0.31	9.379	18	33.9	20.23	16	33.9	K0	J	12A	5709	A -16 4114
59		9.2A	32 10.680	-0.0018	18	-19 51 53.13	0.008	13	0.31	10.709	18	33.9	53.26	16	33.9	G0	J	12B	6433	A -19 4148
60		8.7A	32 18.147	-0.0009	18	-13 30 24.80	0.013	20	0.35	18.161	18	33.9	25.01	16	33.9	G5	J	11	5436	A -13 4200
61		8.9A	32 24.628	-0.0039	17	-18 44 14.84	-0.077	13	0.30	24.691	18	33.9	13.59	16	33.9	K2	J	12B	6438	A -18 4096
62		8.6A	32 27.610	-0.0007	17	-18 33 26.90	0.006	13	0.30	27.621	18	33.9	26.99	16	33.9	K2	J	12B	6439	A -18 4097
63		7.8A	32 33.223	0.0030	17	-12 20 28.06	-0.041	18	0.33	33.174	18	33.9	27.40	16	33.9	F8	J	11	5437	A -12 4286
64		9.4A	32 37.231	0.0007	12	-10 11 38.28	0.001	12	0.25	37.219	16	33.4	38.30	16	33.4	K0	R	16	5443	A -9 4174
65		9.1A	32 37.513	-0.0006	18	-13 9 15.35	0.029	20	0.35	37.523	18	33.9	15.82	16	33.9	F8	J	11	5438	A -12 4287
66		9.0A	32 37.776	-0.0007	21	-17 14 31.75	-0.004	15	0.34	37.787	18	33.9	31.68	16	33.9	G5	J	12A	5710	A -16 4116
67		9.1A	32 38.153	-0.0023	20	-11 30 58.76	0.022	20	0.36	38.191	18	33.9	59.12	16	33.9	F2	J	11	5439	A -11 3973
68		9.3A	32 39.625	-0.0011	18	-19 27 45.24	-0.067	13	0.31	39.643	18	33.9	44.16	16	33.9	G5	J	12B	6440	A -19 4152
69		9.1A	32 41.445	-0.0008	18	-17 24 27.94	-0.021	13	0.31	41.458	18	33.9	27.60	16	33.9	G5	J	12A	5711	A -17 4372
70		4.0H	32 43.474	0.0043	01	-14 37 27.13	0.003	01	0.04	43.327	02	15.7	27.23	02	15.0	K0		F4	577	-14 4237
71		9.1A	32 54.323	-0.0012	17	-12 12 26.66	-0.017	18	0.33	54.342	18	33.9	26.39	16	33.9	A3	J	11	5441	A -11 3975
72		8.9A	33 1.451	-0.0028	15	-12 41 37.55	-0.015	17	0.30	1.496	18	33.9	37.31	16	33.9	F8	J	11	5442	A -12 4290
73		9.2A	33 1.944	0.0014	15	-11 10 57.09	0.014	17	0.30	1.921	18	33.9	57.32	16	33.9	K5	J	11	5443	A -10 4126
74		9.1A	33 5.703	0.0006	17	-18 56 21.95	-0.005	13	0.30	5.694	18	33.9	21.87	16	33.9	K0	J	12B	6441	A -18 4102
75		8.6A	33 7.098	-0.0028	21	-15 48 23.33	-0.019	15	0.34	7.144	18	33.9	23.02	16	33.9	K0	J	12A	5713	A -15 4143
76		9.4A	33 39.022	-0.0032	21	-17 31 52.23	-0.025	15	0.34	39.074	18	33.9	51.84	16	33.9	G5	J	12A	5714	A -17 4375
77		9.1A	33 42.702	0.0040	17	-19 39 10.42	0.016	13	0.30	42.638	18	33.9	10.67	16	33.9	G0	J	12B	6446	A -19 4157
78		9.0A	33 43.344	-0.0134	18	-11 49 51.19	0.037	20	0.35	43.560	18	33.9	51.78	16	33.9	G5	J	11	5444	A -11 3977
79		8.7A	33 45.907	-0.0051	21	-16 50 59.60	-0.060	15	0.34	45.990	18	33.9	58.63	16	33.9	F5	J	12A	5715	A -16 4120
80		8.6A	33 49.711	-0.0023	15	-13 33 0.16	-0.027	17	0.30	49.748	18	33.9	59.73	16	33.9	G5	J	11	5445	A -13 4208
81		9.1A	33 50.090	-0.0022	17	-19 0 45.43	0.011	13	0.30	50.127	18	33.9	45.60	16	33.9	G5	J	12B	6447	A -18 4105
82		8.8A	34 5.650	-0.0017	21	-15 20 58.86	-0.038	15	0.34	5.679	18	33.9	58.25	16	33.9	K2	J	12A	5716	A -15 4144
83		9.0A	34 16.834	-0.0022	12	-10 18 38.97	-0.008	12	0.25	16.870	16	33.4	38.84	16	33.4	F5		16	5453	A -9 4180
84		9.1A	34 21.069	-0.0012	18	-17 52 18.20	-0.004	13	0.31	21.089	18	33.9	18.14	16	33.9	A0	J	12A	5717	A -17 4380
85		8.1A	34 21.776	0.0006	17	-18 10 16.12	-0.010	13	0.30	21.766	18	33.9	15.96	16	33.9	G0	J	12B	6453	A -17 4379
86		9.0A	34 22.752	-0.0024	21	-17 4 39.80	-0.031	15	0.34	22.791	18	33.9	39.30	16	33.9	F8	J	12A	5719	A -16 4122
87		8.3A	34 26.694	-0.0023	15	-13 57 0.34	-0.021	17	0.30	26.730	18	33.9	0.00	16	33.9	K0	J	11	5447	A -13 4210
88		8.1A	34 29.393	-0.0090	15	-13 12 35.29	-0.004	17	0.30	29.538	18	33.9	35.23	16	33.9	G0	J	11	5448	A -12 4295
89		9.2A	34 35.124	0.0005	12	-10 26 57.50	-0.020	12	0.25	35.116	16	33.4	57.17	16	33.4	F2		16	5456	A -10 4132
90		8.3A	34 38.391	-0.0061	15	-13 29 50.73	-0.056	17	0.30	38.490	18	33.9	49.83	16	33.9	G0	J	11	5450	A -13 4211
91		8.8A	34 40.713	-0.0019	21	-15 34 22.80	-0.046	15	0.34	40.744	18	33.9	22.06	16	33.9	G5	J	12A	5720	A -15 4146
92		9.2A	34 45.886	-0.0044	21	-14 34 20.14	-0.037	15	0.34	45.959	18	33.9	19.54	16	33.9	A3	J	12A	5721	A -14 4245
93		8.7A	34 49.965	-0.0001	21	-16 34 3.79	-0.007	15	0.34	49.967	18	33.9	3.68	16	33.9	A3	J	12A	5722	A -16 4123
94		8.6A	34 50.849	-0.0011	17	-19 4 42.98	-0.000	13	0.30	50.867	18	33.9	42.97	16	33.9	A0	J	12B	6457	A -18 4112
95		9.0A	34 51.039	0.0011	18	-19 15 49.55	-0.168	13	0.31	51.021	18	33.9	46.84	16	33.9	G5	J	12B	6456	A -18 4111
96		9.2A	34 55.581	0.0009	21	-15 33 6.32	-0.075	15	0.34	55.567	18	33.9	5.11	16	33.9	G0	J	12A	5723	A -15 4147
97		8.9A	34 59.833	0.0018	17	-12 56 5.21	0.012	18	0.33	59.804	18	33.9	5.40	16	33.9	K0	J	11	5451	A -12 4298
98		7.3T	35 12.390	-0.0028	09	-14 22 1.32	-0.025	07	0.53	12.554	19	90.8	-59.79	17	88.2	F0		GC	21009	-14 4247
99		8.7Q	35 24.779	0.0001	11	-13 56 18.02	-0.019	09	0.50	24.773	18	05.8	17.14	18	03.2	F0		GC	21016	-13 4212
00		9.3A	35 25.661	-0.0035	17	-17 23 48.87	0.022	11	0.28	25.717	18	33.9	49.23	16	33.9	F5	J	12A	5726	A -17 4385

159400

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	EPOCH 1950 μ s	σ_μ .001"	EPOCH 1950 δ_{1950} ° ′ ″	EPOCH 1950 μ' ″	$\sigma_{\mu'}$ .001"	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ .01	ep.	δ_2 ″	σ' .01"	ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	-10° 15H DM NUMBER
1		9.0A	15 35 27.883	-0.0085	21	-15 29 14.81	-0.028	15	0.34	27.924	18	33.9	14.36	16	33.9	A2 J	12A	5727	A -15 4150
2		6.8T	35 32.717	-0.0146	13	-19 44 58.45	-0.099	12	0.65	33.423	15	01.6	51.52	17	00.2	F2	GC	21017	-19 4165
3		9.2A	35 35.175	-0.0037	21	-15 2 34.08	-0.053	15	0.34	35.236	18	33.9	33.23	16	33.9	K0 J	12A	5728	A -14 4249
4		8.8A	35 37.327	-0.0003	20	-19 37 6.93	0.007	15	0.33	37.335	18	33.9	7.05	16	33.9	K2 J	12B	6464	A -19 4166
5		8.4A	35 38.980	0.0030	17	-18 17 9.55	-0.004	13	0.30	38.932	18	33.9	9.48	16	33.9	F8 J	12B	6465	A -17 4306
6																	GC	21024	-14 4250
7		6.9T	35 41.518	-0.0040	08	-14 21 11.63	-0.084	07	0.45	41.737	15	94.9	6.12	15	91.2	K0	GC	21031	A -10 4136
8		9.3A	35 45.185	-0.0035	17	-10 37 51.81	-0.051	18	0.33	45.242	18	33.9	50.99	16	33.9	K0 J	11	5455	A -19 4167
9		8.5A	35 48.988	-0.0008	20	-19 59 44.88	0.014	15	0.33	48.939	18	33.9	45.11	16	33.9	K0 J	12B	6467	A -17 4308
10		7.6A	35 50.530	-0.0037	21	-17 30 7.37	-0.031	15	0.34	50.589	18	33.9	6.88	16	33.9	K0 J	12A	5731	A -17 4308
		9.0A	36 0.898	-0.0010	21	-15 20 57.58	0.021	15	0.34	0.914	18	33.9	57.92	16	33.9	K0 J	12A	5732	A -15 4152
11		5.5T	36 1.533	0.0099	03	-19 8 19.16	-0.080	03	0.17	1.244	05	01.1	15.21	06	00.9	G5	GC	21031	B+ -18 4118
12		9.1A	36 5.097	-0.0016	17	-12 50 45.20	-0.011	18	0.33	5.123	18	33.9	45.03	16	33.9	G5 J	11	5456	A -12 4302
13		9.0A	36 10.423	-0.0012	18	-16 54 29.83	-0.096	13	0.31	10.443	18	33.9	28.28	16	33.9	K0 J	12A	5733	A -16 4128
14		9.2A	36 38.903	0.0007	17	-18 8 56.20	0.051	13	0.30	38.891	18	33.9	57.02	16	33.9	K0 J	12A	5734	A -17 4303
15		8.2A	36 39.371	-0.0082	15	-13 44 50.32	-0.161	17	0.30	39.470	18	33.9	47.73	16	33.9	F8 J	11	5457	A -13 4216
16		9.1A	36 39.373	0.0003	21	-18 10 50.85	-0.003	15	0.34	39.369	18	33.9	50.80	16	33.9	K2 J	12A	5735	A -17 4304
17		8.6A	36 48.346	-0.0030	17	-19 58 17.32	-0.046	13	0.30	48.395	18	33.9	16.57	16	33.9	F8 J	12B	6478	A -19 4175
18		9.3A	36 52.257	-0.0021	15	-10 51 7.10	-0.029	17	0.30	52.271	18	33.9	6.63	16	33.9	F2 J	11	5458	A -10 4140
19		8.7A	36 55.548	0.0010	13	-13 44 10.25	0.002	17	0.30	55.532	18	33.9	10.28	16	33.9	A3 J	11	5459	A -13 4217
20		8.3A	36 56.031	-0.0018	16	-19 33 10.39	-0.021	13	0.31	56.060	18	33.9	10.05	16	33.9	A2 J	12B	6479	A -19 4176
21																			
22		6.9T	37 1.115	0.0027	09	-19 36 23.64	0.004	10	0.49	0.984	12	01.6	25.84	14	00.1	F2	GC	21052K	B+ -19 4177
23		8.3G	37 1.910	0.0014	03	-13 53 59.65	-0.051	07	0.42	1.844	17	03.5	36.92	17	96.1	K0	GC	21053	-13 4218
24		9.2A	37 10.836	-0.0021	21	-15 6 41.40	-0.012	15	0.34	10.870	18	33.9	41.21	16	33.9	K0 J	12A	5736	A -14 4255
25		8.7A	37 12.116	-0.0043	15	-12 2 14.17	-0.019	17	0.30	12.187	18	33.9	13.86	16	33.9	F8 J	11	5461	A -11 3986
26		8.9A	37 21.470	-0.0010	15	-13 26 15.23	0.012	17	0.30	21.486	18	33.9	15.42	16	33.9	A2 J	11	5462	A -13 4219
27																			
28		9.2A	37 31.309	-0.0004	18	-18 3 46.70	-0.015	13	0.31	31.316	18	33.9	46.46	16	33.9	K2 J	12A	5737	A -17 4396
29		9.0A	37 42.525	0.0122	21	-17 53 25.08	0.078	15	0.34	42.328	18	33.9	24.35	16	33.9	K5 J	12A	5738	A -17 4399
30		8.6A	37 47.827	-0.0025	15	-10 43 24.32	-0.005	17	0.30	47.868	18	33.9	24.24	16	33.9	A2 J	11	5463	A -10 4143
31		8.8A	37 50.441	-0.0039	21	-16 35 42.41	-0.062	15	0.34	50.503	18	33.9	41.41	16	33.9	F2 J	12A	5739	A -16 4135
32		9.2A	37 56.460	-0.0012	17	-19 42 59.37	0.012	13	0.30	56.480	18	33.9	59.56	16	33.9	K0 J	12B	6486	A -19 4182
33																			
34		8.8A	37 56.603	-0.0012	15	-13 41 34.60	0.015	17	0.30	56.621	18	33.9	34.84	16	33.9	F5 J	11	5464	A -13 4223
35		9.0A	37 57.641	0.0010	15	-13 39 38.98	0.017	17	0.30	57.624	18	33.9	39.26	16	33.9		11	5465	A -13 4224
36		9.2A	37 59.088	-0.0030	21	-15 50 11.48	-0.022	15	0.34	59.137	18	33.9	11.13	16	33.9	G5 J	12A	5740	A -15 4159
37		8.8A	37 59.847	-0.0019	15	-12 5 58.81	-0.021	17	0.30	59.877	18	33.9	58.47	16	33.9	G5 J	11	5466	A -11 3988
38		9.2A	38 2.379	-0.0003	21	-17 8 16.56	0.019	15	0.34	2.363	18	33.9	16.87	16	33.9	A3 J	12A	5741	A -16 4138
39																			
40		9.1A	38 16.149	0.0019	17	-18 39 23.93	0.020	13	0.30	16.118	18	33.9	24.25	16	33.9	K5 J	12B	6487	A -18 4129
41		8.5A	38 24.884	-0.0009	15	-11 42 32.27	0.023	17	0.30	24.899	18	33.9	32.64	16	33.9	M5 J	11	5467	A -11 3989
42		6.8T	38 28.655	-0.0003	07	-13 48 37.57	-0.008	07	0.37	28.658	09	00.1	37.17	10	97.6	B9	GC	21083	-13 4226
43		9.0A	38 51.538	0.0019	21	-15 23 58.82	-0.012	15	0.34	51.507	18	33.9	58.63	16	33.9	G5 J	12A	5743	A -15 4161
44		9.0A	38 53.838	-0.0042	17	-18 35 53.09	0.026	13	0.30	53.906	18	33.9	53.51	16	33.9	A3 J	12B	6489	A -18 4132
45																			
46		8.6A	39 2.331	-0.0028	18	-19 18 7.12	-0.074	13	0.31	2.377	18	33.9	5.92	16	33.9	F8 J	12B	6490	A -18 4133
47		5.0M	39 3.636	-0.0027	01	-19 31 5.62	-0.107	01	0.06	3.737	03	12.6	1.37	03	10.4	K5	F4	1413	C -19 4188
48		8.7A	39 7.438	-0.0016	15	-12 36 2.97	0.000	17	0.30	7.464	18	33.9	2.97	16	33.9	K0 J	11	5469	A -12 4315
49		8.8A	39 13.012	-0.0004	18	-15 24 27.14	-0.013	13	0.31	13.018	18	33.9	26.93	16	33.9	K0 J	12A	5744	A -15 4163
50		8.8A	39 14.896	-0.0048	15	-11 8 45.35	-0.046	17	0.30	14.974	18	33.9	44.61	16	33.9	F0 J	11	5471	A -10 4145
51																			
52		9.0A	39 15.318	0.0068	15	-10 58 53.60	-0.010	17	0.30	15.209	18	33.9	53.44	16	33.9	F8 J	11	5470	A -10 4146
53		9.2G	39 16.547	0.0048	07	-10 58 39.15	-0.020	06	0.38	16.314	19	01.2	38.02	18	93.4	F8	GC	21101	-10 4146
54		9.0A	39 19.578	0.0010	21	-17 12 59.40	0.013	15	0.34	19.562	18	33.9	59.61	16	33.9	K0 J	12A	5745	A -16 4144
55		9.0A	39 24.656	0.0026	21	-16 13 23.11	0.009	15	0.34	24.614	18	33.9	23.26	16	33.9	K0 J	12A	5746	A -15 4164
56		9.0A	39 26.793	-0.0135	17	-19 19 52.27	-0.107	13	0.30	27.011	18	33.9	50.54	16	33.9	G5 J	12B	6497	A -19 4190
57																			
58		8.8A	15 39 31.017	0.0004	20	-19 42 26.82	0.000	15	0.33	31.012	18	33.9	26.82	16	33.9	F5 J	12B	6498	A -19 4191
59		7.7A	39 45.935	0.0004	17	-18 26 54.71	-0.044	13	0.30	45.929	18	33.9	54.00	16	33.9	K5 J	12B	6499	A -18 4136
60		7.4G	39 57.256	-0.0088	07	-15 51 16.40	-0.042	06	0.43	57.784	17	90.0	13.79	15	87.8	G0	GC	21116K	B+ -15 4165
61		9.3A	40 1.210	0.0000	11	-10 9 40.61	0.008	09	0.25	1.210	16	33.4	40.75	16	33.4	G5	16	5482	A -9 4210
62		9.1A	40 12.168	-0.0029	15	-19 20 38.32	-0.019	12	0.28	12.215	18	33.9	38.01	16	33.9	G5 J	12B	6502	A -19 4197
63																			
64		9.2A	40 13.255	-0.0007	18	-17 32 20.99	0.011	13	0.31	13.267	18	33.9	21.17	16	33.9	K0 J	12A	5749	A -17 4405
65		9.1A	40 19.006	0.0004	15	-12 20 4.47	-0.009	17	0.30	18.999	18	33.9	4.33	16	33.9	F5 J	11	5474	A -12 4319
66		6.8T	40 22.041	0.0051	11	-12 53 49.34	-0.090	08	0.49	21.792	09	01.6	44.73	10	98.7	G0	GC	21123	-12 4320
67		7.3T	40 22.474	-0.0776	12	-10 46 17.71	-0.317	10	0.55	25.960	17	05.1	2.88	15	03.2	F5	GC	21124	B+ -10 4149
68		8.0A	40 22.622	-0.0008	15	-13 23 46.99	-0.012	17	0.30	22.635	18	33.9	46.80	16	33.9	G5 J	11	5476	A -13 4232
69																			
70		6.4T	40 36.372	-0.0005	03	-14 53 3.39	-0.100	03	0.16	36.394	06	04.1	58.88	06	04.9	K0	GC	21129	B+ -14 4266
71		8.8A	40 41.948	-0.0003	15	-12 59 5.40	-0.011	17	0.30	41.952	18	33.9	5.23	16	33.9	K5 J	11	5478	A -12 4321
72		9.4A	40 56.299	-0.0018	18	-17 36 44.13	-0.006	13	0.31	56.289	18	33.9	44.03	16	33.9	G5 J	12A	5752	A -17 4409
73		8.6A	41 2.352	-0.0016	17	-13 52 9.90	-0.032	18	0.33	2.377	18	33.9	9.39	16	33.9	K2 J	11	5479	A -13 4234
74		7.4T	41 6.740	-0.0000	11	-16 42 44.23	0.005	11	0.54	6.740	10	02.0	44.48	12	00.6	K0	GC	21142	-16 4151
75																			
76		5.5T	41 15.348	-0.0025	02	-15 30 53.77	-0.067	02	0.14	15.485	05	95.0	49.90	05	92.3	A5	GC	21146	B+ -15 4171
77		8.8G	41 16.249	0.0025	26	-10 41 20.68	-0.045	26	1.00	16.162	19	11.6	18.95	21	11.5	G5	GC	21147	-10 4154
78		8.9A	41 17.982	0.0002	18	-11 4 53.63	0.019	20	0.35	17.979	18	33.9	53.94	16	33.9	A0 J	11	5481	A -10 4155
79		8.9A	41 19.356	0.0004	15	-19 37 49.29	-0.005	12	0.28	19.350	18	33.9	49.21	16	33.9	K5 J	12B	6505	A -19 4202
80		8.8A	41 21.259	-0.0009	21	-15 44 26.55	-0.020	15	0.34	21.273	18	33.9	26.23	16	33.9	A0 J	12A	5755	A -15 4173
81																			
82		9.1A	41 22.219	-0.0007	15	-11 54 17.55	-0.004	17	0.30	22.230	18	33.9	17.49	16	33.9	G5 J	11	5482	A -11 3997
83		8.9A	41 27.382	-0.0010	18	-19 33 20.34	-0.013	13	0.31	27.398	18	33.9	20.13	16	33.9	F5 J	12B	6507K	A -19 4203
84		8.9A	41 30.567	0.0020	15	-11 48 24.91	-0.013	17	0.30	30.535	18	33.9	24.70	16	33.9	G0 J	11	5483	A -11 3998
85		9.3A	41 39.949	0.0008	21	-16 14 40.43	-0.044	15	0.34	39.936	18	33.9	39.72	16	33.9	A3 J	12A	5756	A -15 4174
86		9.2A	41 52.287	-0.0025	18	-19 53 48.22	-0.011	13	0.31	52.307	18	33.9	48.04	16	33.9	K0 J	12B	6508	A -19 4205
87																			
88		9.3A	42 0.093	-0.0086	17	-17 32 43.01	-0.029	11	0.28	0.198	18	33.9	42.54	16	33.9	K0 J	12A	5757	A -17 4413
89		9.2A	42 0.849	-0.0022	17	-18 35 39.32	-0.060	13	0.30	0.885	18	33.9	38.35	16	33.9	G0 J	12B	6511	A -18 4147
90		9.1A	42 8.043	0.0009	21	-16 33 40.72	0.007	15	0.34	8.028	18	33.9	40.83	16	33.9	F0 J	12A	5758	A -16 4154
91		9.1A	42 15.715	-0.0016	18	-15 37 11.46	-0.001	13	0.31	15.741	18	33.9	11.44	16	33.9	K5 J	12A	5760	A -15 4176
92		7.7A	42 30.944	-0.0008	17	-18 57 4.48	-0.019	13	0.30	30.957	18	33.9	4.17	16	33.9	A3 J	12B	6513	A -18 4152
93																			
94		8.4A	43 0.035	-0.0016	21	-16 47 43.44	-0.037	15	0.34	0.061	18	33.9	42.84	16	33.9	F5 J	12A	5761	A -16 4155
95		9.2A	43 10.040	0.0001	13	-19 24 5.41	0.015	09	0.25	10.038	18	33.9	5.65	16	33.9	K0 J	12B	6516	A -19 4211
96		9.3A	43 11.886	-0.0000	18	-18 0 58.44	-0.003	13	0.31	11.867	18	33.9	58.39	16	33.9	F8 J	12A	5762	A -17 4415
97		8.9A	43 15.919	-0.0011	15	-11 35 42.79	-0.017	17	0.30	15.900	18	33.9	43.07	16	33.9	K0 J	11	5484	A -11 4002
98		8.9A	43 16.921	-0.0003	18	-19 12 39.95	-0.006	13	0.31	16.927	18	33.9	39.85	16	33.9	F5 J	12B	6517	A -18 4159
99																			
100		9.2A	43 29.867	-0.0078	21	-17 59 14.07	0.000	15	0.34	29.193	18	33.9	14.07	16	33.9	G5 J	12A	5763	A +17 4417
101		9.0A	43 34.227	-0.0007	21	-16 0 22.95	+0.037	15	0.34	34.229	18	33.8	22.35	16	33.9	K0 J	12A	5764	A +15 4182
102		9.1A	43 40.996	0.0005	15	-19 27 48.52	0.010	12	0.28	40.988	18	33.9	48.68	16	33.9	K0 J	12B	6518	A -19 4213
103		8.4A	44 1.366	-0.0012	21	-16 57 16.65	-0.030	15	0.34	1.386	18	33.9	16.17	16	33.9	K0 J	12A	5765	A -16 4157
104		8.6A	44 17.470	-0.0019	18	-15 4 56.95	-0.028	13	0.31	17.502	18	33.9	56.50	16	33.9	F0 J	12A	5767	A -14 4277
105																			
106		8.7A	44 18.907	-0.0037	17	-18 19 3.19	0.005	13	0.30	18.966	18	33.9	3.27	16	33.9	K2 J	12B	6521	A -18 4164
107		9.1A	44 26.132	-0.0011	15	-12 4 8.01	0.024	17	0.30	26.150	18	33.9	8.40	16	33.9	K0 J	11	5486	A -11 4009
108		9.4A	44 27.225	-0.0029	21	-16 1 14.90	0.002	15	0.34	27.272	18	33.9	14.93	16	33.9	G5 J	12A	5769	A -15 4186
109		8.3A	44 28.309	0.0018	21	-17 56 11.42	0.008	15	0.34	28.280	18	33.9	11.55	16	33.9	A3 J	12A	5768	A -17 4421
110		8.1A	44 34.299	0.0017	15	-12 4 2.72	0.012	17	0.30	34.232	18	33.9	2.91	16	33.9	G5 J	11	5487	A -11 4010
111																			
112		7.8A	44 38.544	-0.0014	12	-10 8 30.78	0.014	12	0.25	38.568	16	33.5	31.01	16	33.5	K5	16	5504	A -9 4230
113		9.3A	44 45.734	-0.0026	21	-14 28 21.49	-0.010	15	0.34	45.775	18	33.9	21.33	16	33.9	F0 J	12A	5770	A -14 4278
114		9.3A	44 49.329	-0.0026	21	-14 27 35.11	-0.045	15	0.34	49.371	18	33.9	34.39	16	33.9	A5 J	12A	5771	A -14 4279
115		8.8A	44 56.407	0.0003	18	-19 32 55.61	-0.003	13	0.31	56.403	18	33.9	55.57	16	33.9	M3 J	12B	6525	A -19 4218
116		9.3A	45 1.048	0.0032	18	-19 42 10.31	0.015	13	0.31	0.997	18	33.9	10.56	16	33.9	F8 J	12B	6527	A -19 4219

1595 00

EPOCH 1950 — ORIGINAL EPOCH — -10° 15H

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.		SOURCE CAT.	SOURCE STAR NUMBER	DM NUMBER
1		9.0A	15 45 3.439	-0.0018	15	-12 34 42.51	0.018	17	0.30	3.467	18	33.9	42.80	16	33.9	K5	J	11	5491	A -12 4336
2		9.4A	45 12.774	-0.0001	21	-17 37 19.66	0.024	15	0.34	12.776	18	33.9	20.05	16	33.9	F2	J	12A	5772	A -17 4425
3		9.2A	45 19.346	-0.0025	21	-15 43 22.12	-0.017	15	0.34	19.386	18	33.9	21.85	16	33.9	F5	J	12A	5773	A -15 4191
4		9.0A	45 20.367	-0.0029	21	-16 26 48.87	-0.059	15	0.34	20.414	18	33.9	47.92	16	33.9	K2	J	12A	5774	A -16 4160
5		8.4A	45 29.374	-0.0007	17	-18 17 8.88	-0.040	13	0.30	29.385	18	33.9	8.23	16	33.9	K0	J	12B	6530	A -17 4427
6		7.0T	45 37.910	-0.0003	08	-13 20 48.04	-0.004	08	0.42	37.926	14	03.4	47.85	14	02.1	K0		GC	21240	-13 4252
7		9.0A	45 42.967	-0.0019	21	-15 23 2.49	-0.030	15	0.34	42.998	18	33.9	2.01	16	33.9	K0	J	12A	5776	A -15 4192
8		9.2A	45 45.088	-0.0032	21	-15 36 10.18	-0.009	15	0.34	45.139	18	33.9	10.04	16	33.9	G5	J	12A	5777	A -15 4193
9		8.3A	45 45.360	-0.0039	17	-19 5 48.22	0.026	13	0.30	45.423	18	33.9	48.64	16	33.9	K0	J	12B	6533	A -18 4167
10		9.0A	45 54.493	0.0008	18	-19 15 37.77	0.023	13	0.31	54.481	18	33.9	38.14	16	33.9	G5	J	12B	6535	A -18 4169
11		8.7A	46 7.621	0.0006	18	-19 39 56.57	0.017	13	0.31	7.612	18	33.9	56.85	16	33.9	M1	J	12B	6537	A -19 4226
12		7.9A	46 13.613	-0.0047	17	-18 33 7.55	-0.029	13	0.30	13.689	18	33.9	7.08	16	33.9	G5	J	12B	6539	A -18 4171
13		8.3A	46 35.478	-0.0030	18	-13 49 10.04	0.040	17	0.30	35.526	18	33.9	10.68	16	33.9	A0	J	11	5493	A -13 4255
14		9.0A	46 46.667	-0.0037	21	-14 23 21.11	-0.017	15	0.34	46.726	18	33.9	20.84	16	33.9	F0	J	12A	5779	A -14 4286
15		9.0A	46 49.905	0.0011	15	-10 40 55.67	-0.037	17	0.30	49.888	18	33.9	55.07	16	33.9	A0	J	11	5496	A -10 4172
16		8.8A	46 52.928	-0.0014	13	-13 19 14.51	-0.004	15	0.29	52.950	18	33.9	14.44	16	33.9	G5	J	11	5497	A -13 4257
17		9.1A	46 58.599	-0.0001	21	-14 40 22.37	-0.029	15	0.34	58.601	18	33.9	21.90	16	33.9	K5	J	12A	5781	A -14 4288
18		6.7T	47 0.425	0.0022	10	-17 45 2.30	-0.011	11	0.50	0.321	09	03.1	1.79	10	02.5	F2		GC	21268	-17 4431
19		9.4A	47 7.000	-0.0045	18	-15 49 11.07	-0.013	13	0.31	7.073	18	33.9	10.86	16	33.9	K0	J	12A	5782	A -15 4197
20		8.0A	47 11.072	0.0003	21	-17 59 28.05	-0.029	15	0.34	11.067	18	33.9	27.58	16	33.9	F0	J	12A	5783	A -17 4432
21		9.1A	47 12.434	-0.0047	15	-19 46 44.07	0.034	12	0.28	12.510	18	33.9	44.62	16	33.9	G0	J	12B	6544	A -19 4232
22		8.3A	47 13.318	-0.0092	15	-13 53 58.67	-0.047	17	0.30	13.466	18	33.9	57.91	16	33.9	G0	J	11	5498	A -13 4260
23		8.6A	47 15.736	0.0004	17	-10 54 35.26	-0.002	18	0.33	15.729	18	33.9	35.23	16	33.9	K0	J	11	5499	A -10 4174
24		8.4A	47 28.137	-0.0025	15	-11 24 49.18	-0.013	17	0.30	28.178	18	33.9	48.97	16	33.9	F5	J	11	5500	A -11 4014
25		9.0A	47 29.501	0.0002	21	-17 24 13.21	0.006	15	0.34	29.498	18	33.9	13.31	16	33.9	G0	J	12A	5784	A -17 4434
26		9.2A	47 35.806	-0.0024	21	-17 25 33.90	-0.047	15	0.34	35.845	18	33.9	33.14	16	33.9	F0	J	12A	5785	A -17 4436
27		8.3A	47 37.404	0.0014	21	-17 11 53.30	-0.013	15	0.34	37.381	18	33.9	53.09	16	33.9	K5	J	12A	5786	A -16 4164
28		9.0A	47 37.892	-0.0007	15	-12 29 29.59	-0.001	17	0.30	37.904	18	33.9	29.57	16	33.9	K0	J	11	5501	A -12 4342
29		9.2A	47 44.518	-0.0012	17	-18 8 24.99	-0.062	13	0.30	44.538	18	33.9	23.99	16	33.9	K2	J	12B	6548	A -17 4437
30		9.1A	47 46.195	-0.0026	17	-18 33 54.46	0.013	13	0.30	46.237	18	33.9	54.67	16	33.9	K2	J	12B	6549	A -18 4178
31		8.7A	47 52.446	-0.0016	15	-13 14 41.59	0.000	15	0.30	52.472	18	33.9	41.59	16	33.9	G5	J	11	5502	A -12 4346
32		9.4A	47 59.563	0.0012	21	-15 50 17.54	-0.054	15	0.34	59.544	18	33.9	16.67	16	33.9	K0	J	12A	5788	A -15 4200
33		8.8A	48 3.565	0.0053	15	-10 34 16.21	-0.079	17	0.30	3.480	18	33.9	14.94	16	33.9	F8	J	11	5503	A -10 4176
34		8.9A	48 4.640	-0.0000	18	-17 53 45.94	0.005	13	0.31	4.641	18	33.9	46.02	16	33.9	K2	J	12A	5789	A +17 4438
35		8.9A	48 10.623	0.0007	15	-19 51 29.01	0.001	12	0.28	10.612	18	33.9	29.03	16	33.9	A2	J	12B	6551	A -19 4239
36		8.9A	48 10.640	0.0014	17	-11 52 7.77	0.001	18	0.33	10.618	18	33.9	7.79	16	33.9	K0	J	11	5504	A -11 4017
37		8.8A	48 13.349	-0.0002	21	-16 51 1.84	0.007	15	0.34	13.352	18	33.9	1.95	16	33.9	K2	J	12A	5790	A -16 4166
38		8.0A	48 13.375	-0.0028	18	-10 50 26.27	0.014	20	0.35	13.420	18	33.9	26.50	16	33.9	K5	J	11	5505	A -10 4178
39		8.5A	48 33.993	0.0009	15	-12 28 19.75	0.014	17	0.30	33.978	18	33.9	19.98	16	33.9	A5	J	11	5506	A -12 4350
40		7.0A	48 45.064	-0.0023	17	-18 47 22.20	-0.046	13	0.30	45.100	18	33.9	21.46	16	33.9	K0	J	12B	6556	A -18 4182
41		9.0A	48 46.546	0.0028	15	-10 42 13.28	-0.028	17	0.30	46.501	18	33.9	12.83	16	33.9	K0	J	11	5507	A -10 4179
42		9.3A	48 46.792	-0.0019	21	-14 37 22.87	-0.018	15	0.34	46.823	18	33.9	22.58	16	33.9	A0	J	12A	5791	A -14 5290
43		8.4A	48 49.025	-0.0012	21	-14 42 55.62	-0.104	15	0.34	49.045	18	33.9	53.94	16	33.9	G0	J	12A	5792	A -14 4291
44		6.2T	48 50.558	-0.0020	07	-13 59 2.94	-0.009	07	0.33	50.645	07	05.6	2.55	09	04.9	G0		GC	21305	B*-13 4269
45		9.3A	48 56.049	-0.0014	18	-15 46 9.08	0.023	13	0.31	56.072	18	33.9	9.45	16	33.9	K5	J	12A	5793	A -15 4203
46		8.8A	48 59.032	0.0011	15	-10 59 44.03	-0.019	17	0.30	59.015	18	33.9	43.73	16	33.9	K0	J	11	5509	A -10 4180
47		9.0A	49 9.834	0.0001	21	-14 29 14.10	0.036	15	0.34	9.833	18	33.9	14.68	16	33.9	F2	J	12A	5794	A -14 4293
48		7.7A	49 10.760	-0.0009	18	-12 23 18.79	-0.006	20	0.35	10.775	18	33.9	18.69	16	33.9	F2	J	11	5510K	A -12 4353
49		9.1A	49 19.301	-0.0016	12	-10 0 46.95	0.003	12	0.25	19.328	16	33.7	46.97	16	33.7	K2	R	16	5526	A -9 4250
50		9.1A	49 20.826	-0.0034	21	-14 32 17.32	0.003	15	0.34	20.881	18	33.9	17.37	16	33.9	K0	J	12A	5796	A -14 4294
51		7.1A	15 49 24.661	0.0072	17	-18 17 15.54	0.016	13	0.30	24.545	18	33.9	15.80	16	33.9	G0	J	12B	6558	A -17 4442
52		8.8A	49 29.224	0.0049	15	-11 53 54.48	-0.104	17	0.30	29.145	18	33.9	52.81	16	33.9	G5	J	11	5511	A -11 4020
53		9.2A	50 15.195	-0.0009	17	-18 59 34.15	-0.012	13	0.30	15.211	18	33.9	33.95	16	33.9	A3	J	12B	6560	A -18 4187
54		8.9A	50 21.663	0.0023	15	-12 15 14.57	-0.009	17	0.30	21.626	18	33.9	14.43	16	33.9	A5	J	11	5513	A -11 4026
55		8.6A	50 25.112	-0.0035	21	-17 49 13.27	-0.018	15	0.34	25.169	18	33.9	12.98	16	33.9	F2	J	12A	5798	A -17 4445
56		8.7A	50 27.294	-0.0001	18	-19 15 0.83	-0.014	13	0.31	27.295	18	33.9	0.60	16	33.9	F8	J	12B	6563	A -18 4189
57		8.8A	50 27.714	0.0033	20	-10 22 26.57	-0.035	20	0.36	27.661	18	33.9	26.01	16	33.9	K0	J	11	5515	A -10 4188
58		9.1A	50 28.600	0.0008	15	-13 26 43.14	0.009	17	0.30	28.586	18	33.9	43.29	16	33.9	A3	J	11	5514	A -13 4276
59		8.0A	50 29.106	-0.0002	21	-14 34 4.64	-0.068	15	0.34	29.110	18	33.9	3.54	16	33.9	F8	J	12A	5799	A -14 4298
60		9.0A	50 32.979	0.0005	15	-13 23 5.21	0.028	17	0.30	32.971	18	33.9	5.66	16	33.9	A2	J	11	5516	A -13 4277
61	9.51		50 45.767	-0.0021	16	-16 5 19.49	0.014	13	1.11	45.926	30	74.2	20.46	27	80.2			GC	21334X	B*-15 4208
62		8.9A	50 54.754	-0.0021	12	-10 24 32.90	-0.044	12	0.25	54.789	16	33.5	32.18	16	33.5	F0		16	5532	A -10 4191
63		4.3T	50 58.435	0.0068	02	-16 35 2.80	0.129	02	0.14	58.037	05	91.3	10.57	06	89.8	K0		GC	21342	B*-16 4174
64		7.0A	51 3.114	-0.0016	17	-18 48 14.01	-0.001	13	0.30	3.141	18	33.9	13.99	16	33.9	M1	J	12B	6567	A -18 4191
65		8.8A	51 9.384	-0.0045	15	-10 30 16.78	0.002	17	0.30	9.457	18	33.9	16.81	16	33.9	G0	J	11	5518	A -10 4192
66		8.8A	51 11.497	-0.0000	15	-11 57 47.00	-0.021	17	0.30	11.497	18	33.9	46.66	16	33.9	K2	J	11	5519	A -11 4028
67		8.9A	51 12.899	0.0018	18	-11 12 0.72	-0.037	20	0.35	12.869	18	33.9	0.12	16	33.9	K0	J	11	5520	A -10 4193
68		9.4A	51 14.446	-0.0048	21	-14 33 57.54	-0.001	15	0.34	14.525	18	33.9	57.52	16	33.9	F5	J	12A	5802	A -14 4300
69		8.9A	51 20.695	-0.0005	21	-15 31 2.51	-0.046	15	0.34	20.704	18	33.9	1.77	16	33.9	K0	J	12A	5803	A -15 4209
70		9.2A	51 26.478	-0.0004	18	-19 14 28.73	-0.004	13	0.31	26.485	18	33.9	28.66	16	33.9	K7	J	12B	6569	A -18 4193
71		7.1T	51 28.759	0.0010	10	-10 56 37.02	-0.028	09	0.54	28.710	19	99.6	35.53	18	96.5	K0		GC	21353	-10 4195
72		5.9T	52 6.681	-0.0012	04	-19 14 12.69	-0.024	05	0.22	6.736	07	03.5	11.57	07	04.2	B5		GC	21364K	B*-18 4195
73		8.9A	52 9.012	0.0003	21	-16 12 52.43	-0.022	15	0.34	9.007	18	33.9	52.08	16	33.9	G5	J	12A	5804	A -15 4211
74		8.7A	52 16.925	-0.0026	15	-13 43 38.21	-0.001	17	0.30	16.967	18	33.9	38.20	16	33.9	K0	J	11	5523	A -13 4286
75		9.3A	52 36.752	0.0010	21	-17 6 37.36	-0.070	15	0.34	36.736	18	33.9	36.23	16	33.9	G0	J	12A	5805	A -16 4177
76		9.3A	52 36.951	-0.0003	21	-14 53 43.63	0.003	15	0.34	36.956	18	33.9	43.68	16	33.9	A5	J	12A	5806	A -14 4309
77		8.5A	52 44.322	0.0001	17	-18 38 44.20	-0.013	13	0.30	44.320	18	33.9	43.99	16	33.9	M3	J	12B	6578	A -18 4196
78		9.0A	52 52.036	-0.0016	21	-14 53 4.74	-0.057	15	0.34	52.062	18	33.9	3.82	16	33.9	F8	J	12A	5807	A -14 4311
79		8.2A	52 56.770	0.0045	17	-15 0 47.55	-0.022	15	0.30	56.697	18	33.9	47.20	16	33.9	F8	J	12A	5809	A -14 4312
80		8.6A	52 57.546	-0.0005	21	-17 53 6.12	0.019	15	0.34	57.554	18	33.9	6.43	16	33.9	K0	J	12A	5808	A -17 4450
81		9.1A	53 0.155	-0.0022	15	-10 48 6.36	0.009	17	0.30	0.190	18	33.9	6.51	16	33.9	G5	J	11	5524	A -10 4204
82		8.9A	53 6.757	-0.0001	21	-17 44 11.42	0.008	15	0.34	6.759	18	33.9	11.55	16	33.9	K5	J	12A	5810	A -17 4451
83		9.2A	53 9.668	0.0009	18	-18 6 52.08	0.002	13	0.31	9.654	18	33.9	52.11	16	33.9	K0	J	12A	5811	A -17 4452
84		6.4T	53 25.914	0.0019	05	-14 15 13.52	-0.077	04	0.19	25.842	07	12.7	10.44	07	09.8	F5		GC	21391	B*-13 4290
85		9.0A	53 29.635	0.0011	21	-16 37 14.48	-0.047	15	0.34	29.618	18	33.9	13.72	16	33.9	F8	J	12A	5814	A -16 4178
86		9.1A	53 33.564	-0.0018	15	-13 52 37.65	-0.020	17	0.30	33.593	18	33.9	37.33	16	33.9	G0	J	11	5526	A -13 4292
87		6.2T	53 44.302	0.0046	10	-14 41 4.16	-0.031	12	0.60	44.065	17	98.5	2.54	18	97.8	A0		GC	21397	-14 4314
88		8.8A	53 46.178	-0.0003	15	-10 57 2.43	-0.069	17	0.30	46.184	18	33.9	1.32	16	33.9	G5	J	11	5527	A -10 4206
89		8.8A	53 46.416	0.0004	21	-16 31 19.68	-0.014	15	0.34	46.409	18	33.9	19.45	16	33.9	K5	J	12A	5816	A -16 4179
90		9.0A	53 48.891	-0.0026	21	-16 40 50.53	-0.030	15	0.34	48.933	18	33.9	50.05	16	33.9	A2	J	12A	5817	A -16 4180
91		8.0A	53 53.402	-0.0040	21	-15 41 13.20	-0.008	15	0.34	53.466	18	33.9	13.07	16	33.9	K5	J	12A	5818	A -15 4217
92		8.5A	53 53.716	-0.0051	18	-10 50 10.44	-0.017	20	0.35	53.798	18	33.9	10.17	16	33.9	K0	J	11	5528	A -10 4207
93		7.8A	53 58.049	-0.0035	15	-13 25 53.34	-0.015	17	0.30	58.106	18	33.9	53.10	16	33.9	K0	J	11	5529	A -13 4293
94		8.7A	54 7.416	-0.0019	18	-13 53 43.35	-0.005	20	0.35	7.447	18	33.9	43.27	16	33.9	G5	J	11	5530	A -13 4294
95		9.1A	54 8.292	-0.0013	18	-15 11 16.90	0.007	13	0.31	8.314	18	33.9	17.01	16	33.9	G5	J	12A	5819	A -14 4316
96		9.1A	54 8.530	-0.0039	18	-12 49 30.35	-0.012	20	0.35	8.593	18	33.9	30.16	16	33.9	G0	J	11	5531	A -12 4374
97		9.0A	54 13.361	-0.0008	21	-14 14 15.16	-0.006	15	0.34	13.373	18	33.9	15.07	16	33.9	K0	J	12A	5821	A -13 4296
98		6.8T	54 15.047	0.0007	09	-15 53 24.69	-0.035	08	0.46	15.012	14	99.7	22.83	14	97.1	M0		GC	21411K	-15 4221
99		8.7A	54 16.344	0.0002	20	-10 53 56.73	-0.017	20	0.36	16.341	18	33.9	57.01	16	33.9	K0	J	11	5533	A -10 4209
00		7.5A	54 23.247	-0.0013	18	-10 44 38.93	-0.023	20	0.35	23.268	18	33.9	38.56	16	33.9	K0	J	11	5534	A -10 4211

159600

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ_s s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.		SOURCE CAT.	STAR NUMBER	-10° 15H DM NUMBER
1		8.7A	15 54 50.279	0.0003	21	-16 40 2.95	-0.010	15	0.34	50.274	18	33.9	2.79	16	33.9	K0	J	12A	5822	A -16 4183
2		9.0A	55 0.923	-0.0018	21	-15 38 51.52	0.008	15	0.34	0.952	18	33.9	51.65	16	33.9	K0	J	12A	5823	A -15 4225
3		9.1A	55 4.224	-0.0007	18	-10 59 3.16	-0.007	20	0.35	4.236	18	33.9	3.05	16	33.9	F0	J	11	5536	A -10 4214
4		9.3A	55 4.488	-0.0004	18	-14 10 53.02	0.001	13	0.31	4.494	18	33.9	53.04	16	33.9	K2	J	12A	5825	A -13 4300
5		8.2A	55 6.642	-0.0055	18	-16 56 44.19	-0.093	13	0.31	6.735	18	33.9	42.69	16	33.9	F5	J	12A	5824	A -16 4185
6		8.9A	55 19.604	0.0014	18	-14 18 55.47	-0.133	13	0.31	19.580	18	33.9	53.33	16	33.9	G0	J	12A	5826	A -14 4321
7		4.7M	55 23.102	-0.0010	02	-14 8 11.73	-0.019	01	0.07	23.142	04	11.2	10.90	03	06.9	B3P		F4	1417	-13 4302
8		8.1A	55 25.497	-0.0020	21	-15 20 5.81	-0.028	15	0.34	25.530	18	33.9	5.36	16	33.9	A2	J	12A	5828	A -15 4226
9		9.2A	55 28.879	0.0011	21	-17 15 22.82	-0.007	15	0.34	28.862	18	33.9	22.93	16	33.9	F0	J	12A	5830	A -16 4189
10		9.3A	55 29.843	0.0010	17	-18 20 0.98	-0.020	13	0.30	29.827	18	33.9	0.66	16	33.9	A2	J	12B	6593	A -18 4209
11		8.8A	55 33.263	-0.0178	21	-17 36 25.64	-0.192	15	0.34	33.550	18	33.9	22.54	16	33.9	G0	J	12A	5831	A -17 4461
12		7.2T	55 39.294	-0.0010	10	-13 17 59.99	-0.043	10	0.61	39.353	22	93.7	57.45	21	90.9	K2		GC	21444	-13 4305
13		8.9A	55 42.918	-0.0036	21	-15 5 48.28	-0.017	15	0.34	42.976	18	33.9	48.01	16	33.9	G0	J	12A	5832	A -14 4323
14		8.8A	55 51.684	-0.0018	17	-19 24 4.98	-0.000	13	0.30	51.712	18	33.9	4.97	16	33.9	K0	J	12B	6596	A -19 4273
15		9.2A	55 51.732	-0.0005	21	-17 18 48.03	0.023	15	0.34	51.739	18	33.9	48.40	16	33.9	K0	J	12A	5833	A -17 4465
16		8.3A	56 9.774	-0.0016	15	-13 1 39.47	-0.002	17	0.30	9.799	18	33.9	39.44	16	33.9	K2	J	11	5540	A -12 4384
17		8.9B	56 12.372	-0.0032	13	-19 47 34.57	-0.020	12	0.58	12.510	15	06.7	33.70	18	06.2	A3		GC	21455K	-19 4274
18		8.8B	56 13.309	-0.0012	09	-19 47 48.02	-0.024	07	0.37	13.363	10	04.2	46.86	12	01.4	A3		GC	21456K	-19 4275
19		8.3A	56 23.184	0.0014	21	-16 4 48.69	0.004	15	0.34	23.161	18	33.9	48.76	16	33.9	F5	J	12A	5834	A -15 4228
20		8.8A	56 26.406	-0.0012	21	-17 8 47.71	-0.013	15	0.34	26.425	18	33.9	47.50	16	33.9	K0	J	12A	5835	A -16 4193
21		8.4A	56 28.202	0.0035	18	-10 48 9.81	-0.006	20	0.35	28.145	18	33.9	9.69	16	33.9	K0	J	11	5541	A -10 4216
22		9.0A	56 51.180	-0.0035	15	-11 7 13.10	0.017	17	0.30	51.236	18	33.9	13.38	16	33.9	G5	J	11	5542	A -10 4217
23		9.2A	56 56.689	-0.0031	15	-10 39 28.97	0.019	17	0.30	56.739	18	33.9	29.28	16	33.9	F8	J	11	5543	A -10 4219
24		9.2A	57 26.346	0.0023	21	-16 1 13.95	0.003	15	0.34	26.310	18	33.9	14.00	16	33.9	A2	J	12A	5836	A -15 4229
25		5.5H	57 30.952	-0.0442	01	-16 23 15.25	-0.396	02	0.06	32.647	03	11.7	-59.85	03	11.1	F8		F4	1419	-16 4196
26		8.4A	57 33.637	-0.0024	15	-12 58 32.84	-0.003	17	0.30	33.675	18	33.9	32.79	16	33.9	A5	J	11	5544	A -12 4391
27		9.2A	57 39.176	-0.0002	21	-16 30 55.85	-0.017	15	0.34	39.179	18	33.9	55.57	16	33.9	K5	J	12A	5838	A -16 4197
28		8.9A	57 40.741	-0.0011	15	-13 18 56.84	-0.013	17	0.30	40.759	18	33.9	56.63	16	33.9	A0	J	11	5545	A -13 4311
29		9.2A	57 50.745	-0.0015	21	-17 21 35.84	-0.013	15	0.34	50.769	18	33.9	35.63	16	33.9	K0	J	12A	5839	A -17 4468
30		9.0A	57 53.622	-0.0103	21	-15 16 22.84	0.062	15	0.34	53.789	18	33.9	23.84	16	33.9	K0	J	12A	5840	A -15 4230
31		9.1A	58 5.686	-0.0031	17	-18 49 23.82	-0.040	13	0.30	5.736	18	33.9	23.17	16	33.9	G0	J	12B	6609	A -18 4213
32		9.0A	58 9.589	-0.0003	11	-19 9 17.60	-0.019	09	0.23	9.594	18	33.9	17.29	16	33.9	G5	J	12B	6612	A -18 4214
33		8.1A	58 12.201	-0.0031	15	-12 11 49.77	-0.037	17	0.30	12.251	18	33.9	49.17	16	33.9	A0	J	11	5547	A -11 4044
34		8.8A	58 13.861	-0.0039	21	-14 17 1.16	-0.007	15	0.34	13.923	18	33.9	1.05	16	33.9	F5	J	12A	5841	A -14 4329
35		8.8A	58 13.890	-0.0007	15	-12 44 2.86	0.022	15	0.30	13.901	18	33.9	3.22	16	33.9	F5	J	11	5548	A -12 4393
36		9.2A	58 31.314	0.0017	21	-15 28 18.48	0.001	15	0.34	31.287	18	33.9	18.50	16	33.9	K0	J	12A	5842	A -15 4232
37		9.2A	58 32.684	-0.0039	15	-12 0 19.88	-0.044	17	0.30	32.727	18	33.9	19.17	16	33.9	F5	J	11	5549	A -11 4047
38		9.1A	58 41.326	-0.0019	15	-12 58 32.63	-0.016	15	0.30	41.357	18	33.9	32.37	16	33.9	K2	J	11	5550	A -12 4395
39		9.4A	58 46.657	0.0007	21	-15 4 57.31	-0.046	15	0.34	46.646	18	33.9	56.57	16	33.9	G0	J	12A	5843	A -14 4334
40		8.5A	58 49.155	-0.0007	15	-11 8 19.05	-0.012	17	0.30	49.166	18	33.9	18.86	16	33.9	K5	J	11	5551	A -10 4226
41		9.0A	58 54.535	-0.0003	15	-11 47 38.95	-0.033	15	0.30	54.540	18	33.9	38.42	16	33.9	G5	J	11	5552	A -11 4048
42		9.0A	59 10.925	-0.0009	15	-19 38 34.07	-0.008	12	0.28	10.940	18	33.9	33.94	16	33.9	G5	J	12B	6616	A -19 4289
43		8.9A	59 15.169	0.0007	15	-11 9 14.21	-0.027	17	0.30	15.158	18	33.9	13.78	16	33.9	K5	J	11	5553	A -10 4227
44		9.1A	59 15.851	0.0042	15	-11 26 28.48	-0.046	17	0.30	15.783	18	33.9	27.74	16	33.9	F8	J	11	5554	A -11 4049
45		8.6A	59 20.876	0.0009	18	-19 18 49.95	0.036	13	0.31	20.863	18	33.9	50.52	16	33.9	G5	J	12B	6618	A -19 4291
46		9.0A	59 36.913	-0.0014	15	-11 36 57.50	-0.033	17	0.30	36.936	18	33.9	56.97	16	33.9	G5	J	11	5555	A -11 4051
47		9.1A	59 42.509	-0.0004	19	-17 43 29.21	-0.025	13	0.31	42.515	18	33.9	28.81	16	33.9	F8	J	12A	5844	A -17 4471
48		8.9A	59 45.783	-0.0000	18	-18 2 1.24	0.001	13	0.31	45.784	18	33.9	1.26	16	33.9	A2	J	12A	5845	A -17 4472
49		9.4A	59 46.848	-0.0004	21	-15 20 1.33	-0.007	15	0.34	46.855	18	33.9	1.22	16	33.9	F8	J	12A	5846	A -15 4236
50		9.3A	59 49.557	0.0001	21	-17 45 20.26	0.011	15	0.34	49.555	18	33.9	20.44	16	33.9	K0	J	12A	5847	A -17 4474
51		9.2A	16 0 0.113	-0.0014	21	-17 17 31.21	-0.030	15	0.34	0.136	18	33.9	30.73	16	33.9	K0	J	12A	5848	A -17 4476
52		9.2A	0 2.975	-0.0006	15	-10 29 40.32	-0.031	15	0.30	2.983	18	33.9	39.82	16	33.9	F8	J	11	5557	A -10 4230
53		7.6A	0 3.821	-0.0044	15	-13 40 27.62	0.014	17	0.30	3.892	18	33.9	27.85	16	33.9	F0	J	11	5556	A -13 4323
54		9.0A	0 6.766	-0.0025	15	-19 51 36.50	-0.051	12	0.28	6.807	18	33.9	35.68	16	33.9	G5	J	12B	6621	A -19 4294
55		7.1T	0 12.428	-0.0012	06	-19 42 11.97	-0.018	06	0.33	12.489	09	99.0	11.03	10	97.5	A2		GC	21553	-19 4295
56		8.3A	0 25.031	-0.0004	15	-18 7 54.76	0.023	12	0.28	25.037	18	33.9	55.14	16	33.9	K2	J	12B	6624	A -17 4478
57		9.1A	0 30.794	-0.0036	21	-17 2 11.60	-0.006	15	0.34	30.852	18	33.9	11.50	16	33.9	K5	J	12A	5850	A -16 4203
58		9.1A	0 41.085	-0.0025	15	-11 13 49.01	-0.017	15	0.30	41.123	18	33.9	48.74	16	33.9	A2	J	11	5558	A -10 4233
59		8.8A	0 42.804	0.0037	21	-16 15 54.05	0.004	15	0.34	42.744	18	33.9	54.12	16	33.9	K0	J	12A	5851	A -15 4240
60		8.5A	0 49.304	0.0022	18	-19 26 18.58	-0.008	13	0.31	49.267	18	33.9	18.45	16	33.9	G5	J	12B	6626	A -19 4296
61		9.2A	0 59.717	-0.0011	21	-14 58 46.95	-0.018	15	0.34	59.735	18	33.9	46.66	16	33.9	G5	J	12A	5852	A -14 4339
62		8.0A	1 5.657	0.0007	15	-19 37 50.95	-0.033	12	0.28	5.647	18	33.9	50.41	16	33.9	A0	J	12B	6629	A -19 4298
63		8.9A	1 6.814	-0.0012	15	-18 58 0.86	-0.062	11	0.27	6.833	18	33.9	-59.86	16	33.9	G5	J	12B	6630	A -18 4223
64		8.8A	1 36.332	0.0001	13	-13 13 39.60	0.002	15	0.29	36.331	18	33.9	39.63	16	33.9	K2	J	11	5559	A -12 4406
65		4.2T	1 36.889	-0.0043	04	-11 14 12.28	-0.033	04	0.28	37.187	10	81.2	9.95	09	79.4	F8		GC	21593K	B#-10 4237
66		7.2B	1 37.342	-0.0047	07	-11 14 8.07	-0.018	09	0.44	37.584	15	98.8	7.15	15	98.5			GC	21594K	B#-10 4237
67		7.4A	1 39.509	-0.0028	15	-11 43 15.72	-0.019	17	0.30	39.551	18	33.9	16.03	16	33.9	K5	J	11	5563	A -11 4056
68		7.4B	1 40.596	-0.0048	07	-11 18 47.52	-0.062	05	0.35	40.709	01	01.6	46.02	15	94.4	K0		GC	21595K	B#-11 4057
69		9.2A	1 40.931	-0.0041	21	-14 10 41.57	-0.011	15	0.34	40.996	18	33.9	41.40	16	33.9	K0	J	12A	5853	A -13 4331
70		8.1B	1 41.384	-0.0045	12	-11 18 49.39	-0.025	13	0.59	41.579	17	06.9	48.29	17	06.1	K		GC	21596K	B#-11 4058
71		8.7A	1 47.850	-0.0015	15	-13 4 42.64	-0.025	17	0.30	47.874	18	33.9	42.24	16	33.9	K0	J	11	5567	A -12 4408
72		8.5A	1 47.976	0.0006	15	-13 14 30.22	0.009	15	0.30	47.986	18	33.9	30.37	16	33.9	A0	J	11	5566	A -12 4407
73		9.0A	1 52.230	-0.0004	21	-16 44 54.45	-0.027	15	0.34	52.236	18	33.9	54.02	16	33.9	K5	J	12A	5854	A -16 4209
74		8.4A	1 52.954	-0.0024	21	-14 46 28.22	-0.006	15	0.34	52.994	18	33.9	28.12	16	33.9	K2	J	12A	5855	A -14 4341
75		8.2A	1 53.937	-0.0013	13	-19 1 18.96	-0.032	11	0.26	53.958	18	33.9	18.44	16	33.9	K5	J	12B	6632	A -18 4226
76		9.1A	1 54.724	-0.0024	15	-19 30 52.19	-0.015	12	0.28	54.763	18	33.9	51.95	16	33.9	F2	J	12B	6633	A -19 4302
77		6.7T	2 9.801	-0.0038	11	-18 24 13.51	-0.037	09	0.57	10.002	19	97.0	11.45	18	93.9	F5		GC	21602	-18 4226
78		8.9A	2 17.580	-0.0015	13	-11 5 10.58	-0.006	15	0.29	17.605	18	33.9	10.48	16	33.9	A2	J	11	5568	A -10 4241
79		8.6A	2 18.989	0.0012	15	-11 30 9.75	-0.028	17	0.30	18.989	18	33.9	9.30	16	33.9	F5	J	11	5569	A -11 4060
80		9.1A	2 23.559	-0.0012	21	-14 57 9.73	0.028	15	0.34	23.578	18	33.9	10.18	16	33.9	K0	J	12A	5857	A -14 4343
81		9.1A	2 30.859	-0.0087	17	-18 31 44.67	-0.089	13	0.30	30.967	18	33.9	43.23	16	33.9	G5	J	12B	6641	A -18 4230
82		2.9H	2 31.507	-0.0004	01	-19 40 12.45	-0.021	01	0.04	31.523	02	09.1	11.54	02	07.4	B1		F4	597	C -19 4307
83		5.1T	2 31.857	-0.0014	03	-19 40 0.07	-0.023	02	0.18	31.933	07	95.5	-58.60	07	85.8	B1		GC	21610K	B#-19 4308
84		8.1B	2 50.346	0.0008	08	-19 32 46.09	-0.027	07	0.42	50.304	15	97.8	44.58	14	94.0	A0		GC	21613	-19 4309
85		8.9A	2 50.990	-0.0029	15	-12 34 38.69	-0.032	17	0.30	51.037	18	33.9	38.18	16	33.9	F8	J	11	5570	A -12 4412
86		8.8A	3 1.260	-0.0004	15	-10 40 0.99	0.012	17	0.30	1.266	18	33.9	1.18	16	33.9	G5	J	11	5571	A -10 4242
87		8.6A	3 16.723	0.0008	21	-15 20 3.90	0.012	15	0.34	16.709	18	33.9	4.09	16	33.9	K0	J	12A	5858	A -15 4243
88		8.7A	3 19.062	0.0015	20	-19 14 45.15	-0.173	15	0.33	19.060	18	33.9	42.35	16	33.9	G5	J	12B	6649	A -18 4234
89		8.3A	3 19.339	-0.0014	17	-13 45 22.81	-0.002	18	0.33	19.362	18	33.9	22.78	16	33.9	K2	J	11	5572	A -13 4336
90		8.8A	3 19.990	-0.0011	17	-12 10 11.05	-0.034	18	0.33	20.007	18	33.9	10.50	16	33.9	G0	J	11	5573	A -11 4064
91		9.0A	3 21.223	-0.0010	17	-19 38 56.05	-0.011	13	0.30	21.240	18	33.9	55.88	16	33.9	A2	J	12B	6650	A -19 4311
92		9.1A	3 28.426	-0.0017	18	-10 44 33.18	-0.010	20	0.35	28.453	18	33.9	33.02	16	33.9	K0	J	11	5574	A -10 4244
93		8.9A	3 31.862	-0.0010	15	-18 31 20.83	0.003	12	0.28	31.879	18	33.9	20.87	16	33.9	A2	J	12B	6651	A -18 4235
94		8.7A	3 33.321	0.0004	15	-12 10 38.80	-0.026	20	0.33	33.315	18	33.9	38.38	16	33.9	F8	J	11	5575	A -11 4066
95		8.5A	3 36.625	-0.0067	18	-12 0 20.34	-0.018	20	0.35	36.732	18	33.9	20.05	16	33.9	F8	J	11	5576	A -11 4067
96		8.0B	3 43.341	-0.0112	11	-14 10 37.49	-0.129	10	0.55	43.886	15	01.2	30.72	15	97.4	G5		GC	21634	-13 4337
97		8.9A	3 48.082	-0.0004	18	-12 21 25.21	-0.009	20	0.35	48.089	18	33.9	25.06	16	33.9	G5	J	11	5578	A -12 4415
98		8.0A	3 49.522	-0.0017	18	-11 46 18.07	0.021	20	0.35	49.550	18	33.9	18.41	16	33.9	F0	J	11	5579	A -11 4068
99		9.2A	3 51.197	-0.0004	21	-16 24 43.48	-0.026	15	0.34	51.204	18	33.9	43.06	16	33.9	K	J	12A	5860	A -16 4218
00		9.2A	3 55.199	0.0000	12	-10 23 19.07	-0.022	12	0.25	55.192	16	33.5	18.71	16	33.5	A2		16	5596	A -10 4246

159700			EPOCH 1950							ORIGINAL EPOCH							SP.	SOURCE		-10° 16H
NUMBER	MAGNITUDES m_{pg}	m_v	α_{1950} h m s	μ s	σ_μ .001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ .001	σ_{1950} ″	α_2 s	σ .01	ep.	δ_2 ″	σ' .01	ep.		CAT.	STAR NUMBER	DM NUMBER
1		9.0A	16 3 58.150	0.0003	18	-13 47 6.49	0.003	20	0.35	58.144	18	33.9	6.54	16	33.9	F8 J	11	5580	A -13 4339
2		8.8A	4 2.416	0.0004	21	-16 0 44.63	-0.010	15	0.34	2.409	18	33.9	44.47	16	33.9	A2 J	12A	5861	A -15 4246
3		9.0A	4 9.665	-0.0008	18	-11 23 56.68	-0.092	20	0.35	9.678	18	33.9	55.20	16	33.9	K0 J	11	5582	A -11 4070
4		8.7A	4 13.154	0.0004	21	-16 48 35.06	-0.030	15	0.34	13.148	18	33.9	34.58	16	33.9	A0 J	12A	5862	A -16 4219
5		8.9A	4 15.498	0.0017	17	-12 9 56.27	0.004	18	0.33	15.470	18	33.9	56.34	16	33.9	A3 J	11	5584	A -11 4071
6		6.3T	4 15.862	-0.0179	07	-13 56 17.01	0.021	06	0.32	16.730	09	01.4	18.11	09	98.2	G0	GC	21653	-13 4342
7		9.0A	4 22.254	-0.0001	21	-17 48 9.26	-0.015	15	0.34	22.256	18	33.9	9.02	16	33.9	A0 J	12A	5863	A -17 4491
8		8.9A	4 24.859	-0.0003	17	-17 44 30.06	-0.017	12	0.29	24.864	18	33.9	29.79	16	33.9	G0 J	12A	5864	A -17 4492
9		7.7A	4 28.322	-0.0007	15	-18 14 1.76	-0.019	11	0.27	28.334	18	33.9	1.45	16	33.9	K2 J	12B	6661	A -17 4493
10		9.3A	4 29.010	-0.0015	12	-10 11 28.90	-0.048	12	0.25	29.034	16	33.5	28.11	16	33.5	F8	16	5601	A -9 4302
11		7.6A	4 32.884	-0.0012	17	-13 0 4.87	0.023	18	0.33	32.903	18	33.9	5.24	16	33.9	F2 J	11	5586	A -12 4420
12		9.0A	4 36.477	-0.0009	21	-14 37 27.55	-0.005	15	0.34	36.491	18	33.9	27.47	16	33.9	K0 J	12A	5866	A -14 4351
13		8.2A	4 45.281	-0.0024	17	-12 48 48.92	0.017	18	0.33	45.320	18	33.9	49.20	16	33.9	G0 J	11	5587	A -12 4424
14		8.7A	4 48.051	-0.0006	18	-11 25 52.00	0.005	20	0.35	48.060	18	33.9	52.08	16	33.9	K2 J	11	5588	A -11 4073
15		5.6T	4 49.538	-0.0033	03	-12 36 44.95	-0.033	03	0.16	49.709	06	98.8	43.31	06	00.2	A0	GC	21667K	B*-12 4425
16		8.7A	4 50.261	-0.0007	21	-15 30 26.84	-0.005	15	0.34	50.273	18	33.9	26.76	16	33.9	F5 J	12A	5868	A -15 4250
17		9.2A	4 50.944	-0.0003	21	-16 22 59.07	-0.002	15	0.34	50.949	18	33.9	59.04	16	33.9	F5 J	12A	5867	A -16 4220
18		8.8A	4 51.171	-0.0008	20	-13 22 4.06	0.000	20	0.36	51.184	18	33.9	4.06	16	33.9	F5 J	11	5590	A -13 4344
19		8.9A	4 55.139	-0.0008	17	-19 51 23.78	-0.017	13	0.30	55.152	18	33.9	23.51	16	33.9	K0 J	12B	6663	A -19 4316
20		8.1A	4 58.799	-0.0036	18	-11 47 15.13	-0.012	20	0.35	58.857	18	33.9	14.94	16	33.9	F5 J	11	5591	A -11 4074
21		9.0A	5 0.356	-0.0015	12	-10 19 39.69	-0.022	12	0.25	0.380	16	33.5	39.33	16	33.5	K5	16	5604	A -10 4252
22		9.1A	5 0.600	0.0034	21	-15 58 42.53	-0.061	15	0.34	0.546	18	33.9	41.55	16	33.9	A5 J	12A	5869	A -15 4251
23		8.6A	5 9.035	-0.0019	18	-14 44 29.00	0.000	13	0.31	9.066	18	33.9	29.00	16	33.9	K5 J	12A	5870	A -14 4356
24		7.0T	5 13.984	0.0015	10	-18 6 33.93	-0.149	11	0.53	13.913	12	02.8	26.61	14	00.8	G0	GC	21681	-17 4494
25		8.1A	5 16.651	-0.0070	18	-12 52 13.99	-0.014	20	0.35	16.764	18	33.9	13.77	16	33.9	F2 J	11	5593	A -12 4427
26		8.3A	5 24.336	0.0001	20	-13 48 14.40	0.005	20	0.36	24.334	18	33.9	14.48	16	33.9	K2 J	11	5594	A -13 4346
27		8.9A	5 25.153	-0.0021	18	-17 0 9.61	0.022	13	0.31	25.187	18	33.9	9.96	16	33.9	F5 J	12A	5872	A -16 4222
28		7.3T	5 28.764	-0.0105	15	-13 38 10.34	-0.108	12	0.70	29.270	18	01.7	4.96	18	00.1	G0	GC	21683	-13 4347
29		8.4A	5 37.233	-0.0049	20	-12 59 57.97	-0.212	20	0.36	37.312	18	33.9	54.55	16	33.9	K0 J	11	5596	A -12 4429
30		9.1A	5 50.991	-0.0014	21	-15 57 42.57	-0.024	15	0.34	51.013	18	33.9	42.19	16	33.9	F8 J	12A	5873	A -15 4252
31		7.5T	6 8.640	-0.0003	09	-18 51 50.53	-0.026	09	0.55	8.656	19	92.8	49.00	18	91.9	A0	GC	21703	-18 4240
32		9.4A	6 8.801	-0.0016	21	-14 12 53.52	-0.014	15	0.34	8.826	18	33.9	53.30	16	33.9	K0 J	12A	5875	A -13 4349
33		9.4A	6 9.178	0.0000	21	-16 3 9.40	-0.017	15	0.34	9.178	18	33.9	9.13	16	33.9	A3 J	12A	5874	A -15 4255
34		8.9A	6 16.865	-0.0025	17	-12 12 37.56	-0.017	18	0.33	16.906	18	33.5	37.28	16	33.5	A0 J	11	5598	A -11 4079
35		8.6A	6 24.342	0.0004	17	-10 48 44.47	0.004	18	0.33	24.335	18	33.5	44.54	16	33.5	F0 J	11	5599	A -10 4255
36		8.4G	6 26.321	-0.0013	10	-19 19 31.97	0.002	08	0.48	26.382	18	02.4	32.06	17	99.0	A0	GC	21716	-19 4322
37		9.0A	6 31.518	-0.0007	21	-17 13 7.55	-0.005	15	0.34	31.530	18	33.9	7.47	16	33.9	K0 J	12A	5876	A -16 4228
38		9.2A	6 33.078	-0.0002	21	-17 7 44.10	-0.026	15	0.34	33.081	18	33.9	43.68	16	33.9	K0 J	12A	5877	A -16 4229
39		9.0A	6 34.485	0.0012	18	-11 25 14.49	0.022	20	0.35	34.466	18	33.5	14.86	16	33.5	K5 J	11	5601	A -11 4080
40		7.0T	6 35.729	-0.0018	09	-12 55 19.09	-0.022	10	0.54	35.826	19	97.4	17.93	19	97.2	A2	GC	21720	-12 4437
41		7.3A	6 36.019	-0.0022	18	-12 14 43.24	0.000	20	0.35	36.056	18	33.5	43.24	16	33.5	A0 J	11	5603	A -11 4081
42		9.2A	6 37.072	-0.0065	21	-14 8 21.54	-0.063	15	0.34	37.177	18	33.9	20.53	16	33.9	G5 J	12A	5879	A -13 4351
43		8.8A	6 38.249	-0.0017	21	-17 3 21.91	-0.083	15	0.34	38.277	18	33.9	20.57	16	33.9	G0 J	12A	5878	A -16 4230
44		9.2A	6 59.626	0.0022	21	-16 55 51.30	-0.004	15	0.34	59.591	18	33.9	51.23	16	33.9	K2 J	12A	5880	A -16 4234
45		6.4T	7 2.165	-0.0060	07	-18 12 34.26	-0.079	09	0.41	2.459	09	00.9	30.33	09	00.1	F5	GC	21730	-17 4502
46		8.9A	7 4.720	0.0008	18	-12 11 19.70	0.001	20	0.35	4.706	18	33.5	19.72	16	33.5	G5 J	11	5604	A -11 4082
47		8.2A	7 5.528	-0.0023	17	-11 0 5.88	-0.013	18	0.33	5.567	18	33.5	5.67	16	33.5	G0 J	11	5606	A -10 4258
48		7.5A	7 6.078	0.0017	18	-12 45 20.52	-0.008	20	0.35	6.050	18	33.5	20.39	16	33.5	K0 J	11	5605	A -12 4441
49		9.1A	7 23.693	0.0003	17	-11 29 32.04	-0.018	18	0.33	23.688	18	33.5	31.75	16	33.5	F8 J	11	5607	A -11 4083
50		8.7A	7 24.970	0.0004	12	-10 3 14.86	-0.014	12	0.25	24.964	16	33.6	14.63	16	33.6	K2	16	5622	A -9 4315
51		8.9A	16 7 29.565	-0.0004	18	-13 33 5.85	-0.033	20	0.35	29.572	18	33.5	5.31	16	33.5	F5 J	11	5608	A -13 4356
52		9.0A	7 47.029	-0.0014	17	-19 15 45.82	-0.007	13	0.30	47.053	18	33.9	45.70	16	33.9	K0 J	12B	6683	A -19 4326
53		8.9A	7 58.883	0.0012	18	-19 52 55.73	-0.041	13	0.31	58.863	18	33.9	55.07	16	33.9	G5 J	12B	6685	A -19 4327
54		8.9A	8 8.302	0.0013	17	-11 56 12.02	0.031	18	0.33	8.281	18	33.5	12.53	16	33.5	F8 J	11	5610	A -11 4086
55		8.7A	8 9.562	0.0011	18	-14 15 15.70	-0.061	13	0.31	9.544	18	33.9	14.72	16	33.9	G5 J	12A	5882	A -14 4362
56		8.1A	8 15.251	-0.0032	18	-13 51 46.35	0.000	20	0.35	15.304	18	33.5	46.35	16	33.5	K0 J	11	5611	A -13 4361
57		8.4A	8 22.891	-0.0004	21	-17 59 14.90	-0.016	15	0.34	22.897	18	33.9	14.64	16	33.9	K5 J	12A	5883	A -17 4508
58		8.9A	8 35.614	0.0004	18	-11 38 21.82	0.016	20	0.35	35.608	18	33.5	22.09	16	33.5	A0 J	11	5612	A -11 4087
59		9.1A	8 39.994	-0.0022	21	-17 52 17.58	-0.048	15	0.34	40.030	18	33.9	16.81	16	33.9	F8 J	12A	5884	A -17 4510
60		8.6A	8 42.543	-0.0022	13	-12 19 55.65	-0.004	13	0.28	42.579	18	33.5	55.58	16	33.5	K5 J	11	5613	A -12 4445
61		8.0A	8 46.206	-0.0017	15	-11 8 5.39	-0.010	17	0.31	46.235	18	33.5	5.23	16	33.5	F2 J	11	5614	A -10 4264
62		8.8A	8 52.899	-0.0002	17	-13 50 23.51	-0.016	18	0.33	52.902	18	33.5	23.25	16	33.5	M2 J	11	5615	A -13 4367
63		6.5T	9 3.949	-0.0008	05	-19 19 17.45	-0.012	04	0.30	3.994	10	93.1	16.69	09	88.1	A	GC	21771K	B*-19 4332
64		4.3T	9 5.091	-0.0008	02	-19 19 56.20	-0.026	02	0.10	5.133	04	96.0	54.78	05	96.0	B3	GC	21773K	B*-19 4333
65		7.5A	9 9.016	0.0012	15	-18 6 15.23	-0.032	11	0.27	8.997	18	33.9	14.72	16	33.9	G0 J	12B	6696	A -17 4511
66		9.0A	9 9.954	-0.0025	21	-16 40 38.77	-0.060	15	0.34	9.994	18	33.9	37.80	16	33.9	K5 J	12A	5886	A -16 4242
67		7.7A	9 11.761	-0.0024	17	-18 56 2.93	-0.023	12	0.29	11.799	18	33.9	2.56	16	33.9	B9 J	12B	6697	A -18 4243
68		8.8A	9 12.145	-0.0012	18	-10 29 38.70	-0.015	20	0.35	12.166	18	33.5	38.46	16	33.5	F8 J	11	5616	A -10 4265
69		8.8A	9 14.229	-0.0012	17	-10 37 56.64	-0.031	17	0.32	14.250	18	33.5	56.13	16	33.5	K2 J	11	5617	A -10 4266
70		8.3A	9 27.018	-0.0007	17	-19 27 3.86	-0.023	13	0.30	27.028	18	33.9	3.49	16	33.9	B9 J	12B	6698	A -19 4334
71		9.5A	9 29.357	-0.0050	21	-14 41 14.11	-0.044	15	0.34	29.438	18	33.9	13.40	16	33.9	G0 J	12A	5887	A -14 4364
72		8.9A	9 32.348	-0.0032	18	-13 36 38.06	0.013	20	0.35	32.400	18	33.5	38.28	16	33.5	K2 J	11	5618	A -13 4370
73		8.8A	9 35.040	0.0001	21	-14 40 20.87	0.007	15	0.34	35.038	18	33.9	20.98	16	33.9	M1 J	12A	5888	A -14 4365
74		8.2A	9 35.719	0.0013	18	-11 4 24.72	-0.017	20	0.35	35.698	18	33.5	24.44	16	33.5	A5 J	11	5619	A -10 4267
75		9.2A	9 38.823	0.0014	18	-13 51 43.00	-0.019	20	0.35	38.800	18	33.5	42.69	16	33.5	K0 J	11	5620	A -13 4373
76		8.6A	9 43.527	-0.0012	12	-10 21 18.40	-0.022	12	0.25	43.547	16	33.6	18.04	16	33.6	K5	16	5630	A -10 4268
77		7.5T	9 49.382	-0.0003	10	-19 22 31.79	-0.036	07	0.46	49.396	15	01.6	29.94	15	97.7	B9	GC	21795	-19 4337
78		9.3A	9 58.933	-0.0012	18	-15 12 25.79	-0.003	13	0.31	58.953	18	33.9	25.84	16	33.9	A2 J	12A	5890	A -14 4368
79		8.9A	9 59.654	-0.0002	18	-15 53 24.22	-0.025	13	0.31	59.658	18	33.9	23.82	16	33.9	G5 J	12A	5889	A -15 4266
80		9.0A	10 5.459	-0.0039	17	-12 13 30.94	-0.020	18	0.33	5.524	18	33.5	30.61	16	33.5	F5 J	11	5622	A -11 4092
81		8.7A	10 6.463	-0.0000	12	-10 0 36.60	-0.036	12	0.25	6.464	16	33.6	36.01	16	33.6	G5	16	5631	A -9 4326
82		8.9A	10 8.159	-0.0030	15	-13 3 35.76	0.018	17	0.31	8.208	18	33.5	36.06	16	33.5	F8 J	11	5623	A -12 4448
83		8.2A	10 9.540	-0.0037	15	-13 54 29.95	0.019	17	0.31	9.601	18	33.5	30.27	16	33.5	K0 J	11	5624	A -13 4378
84		8.0A	10 21.294	-0.0013	21	-14 59 24.04	-0.014	15	0.34	21.316	18	33.9	23.81	16	33.9	K5 J	12A	5891	A -14 4370
85		8.8A	10 28.866	-0.0019	12	-10 12 40.51	0.028	12	0.25	28.897	16	33.6	40.84	16	33.6	M8	16	5634	A -9 4329
86		8.3A	10 33.698	-0.0007	21	-17 58 28.15	-0.019	15	0.34	33.709	18	33.9	27.85	16	33.9	K0 J	12A	5892	A -17 4514
87		9.2A	10 34.502	-0.0044	21	-15 36 49.91	-0.030	15	0.34	34.573	18	33.9	49.43	16	33.9	G5 J	12A	5893	A -15 4269
88		9.1A	10 48.584	-0.0021	17	-12 32 5.06	-0.078	18	0.33	48.619	18	33.5	3.77	16	33.5	G5 J	11	5626	A -12 4453
89		7.7A	10 50.192	0.0006	15	-12 54 31.34	0.005	17	0.31	50.183	18	33.5	31.42	16	33.5	A0 J	11	5627	A -12 4454
90		9.4A	10 57.933	-0.0009	21	-16 10 59.11	0.016	15	0.34	57.947	18	33.9	59.37	16	33.9	A2 J	12A	5894	A -15 4271
91		9.0A	11 1.556	-0.0037	21	-17 36 41.28	0.010	15	0.34	1.616	18	33.9	41.44	16	33.9	G5 J	12A	5895	A -17 4516
92		9.1A	11 1.929	-0.0007	15	-10 26 56.20	0.030	17	0.31	1.941	18	33.5	56.70	16	33.5	K0 J	11	5628	A -10 4274
93		5.5T	11 4.686	-0.0009	04	-11 42 41.93	-0.010	04	0.23	4.731	12	01.6	41.41	12	97.0	K0	GC	21828	B*-11 4096
94		8.7A	11 11.932	-0.0017	21	-16 16 30.38	0.044	15	0.34	11.980	18	33.9	31.07	16	33.9	F0 J	12A	5897	A -16 4251
95		9.0A	11 12.534	-0.0001	21	-18 4 16.76	0.014	15	0.34	12.536	18	33.9	16.99	16	33.9	K2 J	12A	5896	A -17 4518
96		8.7A	11 17.816	-0.0008	18	-11 36 42.10	0.018	20	0.35	17.829	18	33.5	42.40	16	33.5	F8 J	11	5630	A -11 4097
97		8.4A	11 18.982	0.0043	17	-18 42 34.14	-0.124	13	0.30	18.912	18	33.9	32.13	16	33.9	G5 J	12B	6711	A -18 4247
98		9.1A	11 19.788	0.0006	21	-17 17 31.36	0.018	15	0.34	19.779	18	33.9	31.65	16	33.9	G0 J	12A	5898	A -17 4519
99		8.8A	11 21.030	-0.0035	15	-13 52 9.06	-0.036	17	0.31	21.088	18	33.5	8.43	16	33.5	G5 J	11	5631	A -13 4384
00		8.7A	11 24.848	0.0004	21	-16 24 54.04	-0.001	15	0.34	24.842	18	33.9	54.02	16	33.9	K2 J	12A	5899	A -16 4252

159800

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	EPOCH 1950 μ_s s	EPOCH 1950 σ_μ ,,.001	EPOCH 1950 δ_{1950} ° ′ ″	EPOCH 1950 μ' ″	EPOCH 1950 $\sigma_{\mu'}$,,.001	EPOCH 1950 σ_{1950} ″	ORIGINAL EPOCH α_2 s	ORIGINAL EPOCH σ ,,.01	ORIGINAL EPOCH ep.	ORIGINAL EPOCH δ_2 ″	ORIGINAL EPOCH σ' ,,.01	ORIGINAL EPOCH ep.	SP.		SOURCE CAT.	SOURCE STAR NUMBER	-10° 16H DM NUMBER
1		8.6A	16 11 27.140	-0.0026	15	-14 2 6.51	0.013	17	0.31	27.185	18	33.5	6.72	16	33.5	K2	J	11	5632	A -13 4385
2		8.9A	11 29.165	0.0003	12	-10 7 5.67	-0.026	11	0.24	29.160	16	33.6	5.21	16	33.6	A2		16	5642	A -9 4331
3		7.5A	11 31.641	0.0048	12	-10 17 20.12	-0.027	12	0.25	31.563	16	33.6	19.68	16	33.6	F8		16	5643	A -10 4276
4		9.4A	11 35.816	-0.0016	21	-15 34 42.98	0.007	15	0.34	35.846	18	33.9	43.10	16	33.9	G	J	12A	5900	A -15 4274
5		9.4A	11 39.608	0.0007	21	-15 36 57.78	0.018	15	0.34	39.596	18	33.9	58.07	16	33.9	K0	J	12A	5901	A -15 4275
6		8.9A	11 44.177	-0.0015	17	-11 5 1.92	-0.002	18	0.33	44.203	18	33.5	1.89	16	33.5	F8	J	11	5635	A -10 4277
7		6.4T	11 45.797	-0.0076	09	-18 24 31.13	-0.112	07	0.42	46.174	09	00.3	25.36	09	98.4	K0		GC	21840	-18 4249
8		8.3A	11 47.866	-0.0012	15	-10 32 11.63	-0.049	17	0.31	47.887	18	33.5	10.82	16	33.5	K0	J	11	5636	A -10 4278
9		8.4A	12 9.817	-0.0004	18	-14 30 49.95	-0.043	13	0.31	9.824	18	33.9	49.26	16	33.9	A5	J	12A	5903	A -14 4379
10		8.5A	12 13.737	-0.0029	15	-11 35 26.15	-0.006	17	0.31	13.785	18	33.5	26.05	16	33.5	A3	J	11	5637	A -11 4101
11		9.2A	12 19.253	-0.0024	21	-15 17 45.43	-0.036	15	0.34	19.291	18	33.9	44.85	16	33.9	G5	J	12A	5904	A -15 4278
12		8.3A	12 19.885	-0.0034	15	-13 6 0.16	0.032	15	0.29	19.941	18	33.5	0.69	16	33.5	A2	J	11	5638	A -12 4460
13		8.7A	12 25.289	0.0003	17	-12 37 29.20	-0.004	18	0.33	25.284	18	33.5	29.13	16	33.5	K0	J	11	5639	A -12 4462
14		7.6A	12 39.863	-0.0112	15	-10 55 20.62	-0.022	17	0.31	40.049	18	33.5	20.46	16	33.5	G0	J	11	5640	A -10 4280
15		8.8A	12 42.922	0.0013	21	-15 38 7.35	-0.049	15	0.34	42.901	18	33.9	6.56	16	33.9	K0	J	12A	5905	A -15 4279
16		7.8A	12 46.089	0.0008	13	-12 33 21.60	-0.001	15	0.29	46.075	18	33.5	21.58	16	33.5	A0	J	11	5641	A -12 4463
17		9.2A	12 53.006	0.0004	21	-15 19 20.71	-0.025	15	0.34	53.000	18	33.5	20.30	16	33.5	F5	J	12A	5906	A -15 4282
18		8.6A	12 54.993	-0.0020	17	-19 57 8.20	-0.045	13	0.30	55.026	18	33.9	7.47	16	33.9	F0	J	12B	6721	A -19 4348
19		8.1A	12 57.158	-0.0017	21	-15 28 12.58	-0.004	15	0.34	57.186	18	33.5	12.52	16	33.5	G0	J	12A	5907	A -15 4283
20		8.9A	12 58.942	-0.0020	15	-13 15 58.17	0.000	17	0.31	58.974	18	33.5	58.17	16	33.5	K0	J	11	5642	A -13 4387
21		6.1T	13 1.902	0.0005	16	-14 43 30.74	0.013	12	0.67	1.878	09	02.5	31.35	10	02.8	A0		GC	21867	-14 4383
22		8.6A	13 3.014	0.0002	21	-15 45 47.70	-0.050	15	0.34	3.010	18	33.5	46.88	16	33.5	K0	J	12A	5909	A -15 4284
23		8.4A	13 26.477	0.0015	17	-18 28 29.11	-0.033	13	0.30	26.452	18	33.5	28.56	16	33.5	G0	J	12B	6725	A -18 4252
24		8.7A	13 41.696	0.0040	15	-13 31 25.60	-0.001	15	0.30	41.629	18	33.5	25.59	16	33.5	G0	J	11	5643	A -13 4389
25		9.0A	13 44.949	-0.0105	20	-18 29 20.77	-0.028	15	0.34	45.122	18	33.5	20.31	16	33.5	G5	J	12B	6726	A -18 4253
26		9.2A	13 49.563	-0.0002	21	-16 23 49.38	-0.015	15	0.34	49.566	18	33.5	49.14	16	33.5	K2	J	12A	5910	A -16 4258
27		8.3A	13 51.839	-0.0004	12	-10 3 58.33	-0.061	12	0.25	51.846	16	33.6	57.33	16	33.6	G5		16	5650	A -9 4339
28		9.0A	13 58.258	-0.0017	13	-12 25 15.32	-0.021	15	0.29	58.287	18	33.5	14.97	16	33.5	F5	J	11	5644	A -12 4469
29		6.6T	14 3.543	-0.0009	04	-19 58 52.85	-0.002	04	0.23	3.586	07	01.8	52.75	07	99.6	K0		GC	21885	B+-19 4350
30		9.0A	14 22.960	0.0016	21	-14 56 9.34	-0.005	15	0.34	22.933	18	33.5	9.26	16	33.5	K0	J	12A	5911	A -14 4388
31		8.0A	14 30.725	0.0032	21	-15 12 20.26	-0.004	15	0.34	30.672	18	33.5	20.19	16	33.5	F0	J	12A	5912	A -14 4389
32		9.4A	14 35.772	0.0001	21	-15 19 30.24	-0.005	15	0.34	35.770	18	33.5	30.16	16	33.5	F0	J	12A	5913	A -15 4291
33		8.3A	14 58.253	0.0019	12	-10 0 9.49	-0.036	12	0.25	58.221	16	33.6	8.90	16	33.6	K0		16	5654	A -9 4345
34		7.4T	15 2.113	-0.0027	10	-13 15 1.21	-0.032	09	0.53	2.252	18	99.2	-59.49	18	96.2	K0		GC	21904	-13 4394
35		9.4A	15 6.734	-0.0000	21	-15 26 2.47	0.003	15	0.34	6.735	18	33.5	2.52	16	33.5	A5	J	12A	5914	A -15 4293
36		7.3T	15 11.711	-0.0026	15	-13 19 22.96	-0.049	13	0.79	11.852	24	96.8	20.27	22	94.9	F0		GC	21911	-13 4395
37		9.1A	15 17.825	-0.0050	13	-11 55 55.77	0.058	15	0.29	17.908	18	33.5	56.73	16	33.5	G5	J	11	5647	A -11 4104
38		9.0A	15 24.229	-0.0039	13	-12 48 45.52	-0.057	15	0.29	24.293	18	33.5	44.58	16	33.5	G5	J	11	5648	A -12 4473
39		8.0A	15 34.502	0.0022	18	-17 15 58.29	-0.055	13	0.31	34.466	18	33.5	57.38	16	33.5	F2	J	12A	5915	A -17 4534
40		8.9A	15 41.228	-0.0042	17	-19 39 49.06	0.002	13	0.30	41.297	18	33.5	49.10	16	33.5	K5	J	12B	6736	A -19 4353
41		8.8A	15 44.034	-0.0009	15	-11 47 58.55	0.045	17	0.31	44.049	18	33.5	59.29	16	33.5	F5	J	11	5649	A -11 4107
42		9.1A	15 51.113	0.0008	18	-16 19 22.33	-0.014	13	0.31	51.100	18	33.5	22.10	16	33.5	A2	J	12A	5916	A -16 4265
43		8.7A	15 57.791	-0.0002	15	-11 10 8.22	-0.001	17	0.31	57.794	18	33.5	8.24	16	33.5	K0	J	11	5650	A -10 4291
44		8.7A	15 59.297	-0.0009	15	-11 25 12.00	-0.025	17	0.31	59.313	18	33.5	11.99	16	33.5	K0	J	11	5651	A -11 4108
45		8.7A	16 4.437	-0.0011	15	-10 39 55.70	-0.007	17	0.31	4.456	18	33.5	55.59	16	33.5	F0	J	11	5652	A -10 4292
46		6.1T	16 10.746	-0.0021	12	-14 45 8.73	0.011	09	0.56	10.851	15	99.6	9.30	15	98.2	K0		GC	21934	B+-14 4398
47		9.2A	16 16.878	0.0004	21	-16 54 15.92	0.010	15	0.34	16.872	18	33.5	16.08	16	33.5	A0	J	12A	5918	A -16 4267
48		8.6A	16 34.585	0.0012	21	-15 25 34.37	-0.023	15	0.34	34.566	18	33.5	33.99	16	33.5	A0	J	12A	5919	A -15 4300
49		6.9T	16 40.865	-0.0007	08	-18 42 29.54	0.008	07	0.33	40.893	09	09.1	29.85	09	09.4	A0		GC	21950	-18 4260
50		9.4A	16 41.481	0.0017	21	-15 25 38.60	-0.005	15	0.34	41.452	18	33.5	38.52	16	33.5	A0	J	12A	5920	A -15 4301
51		9.0A	16 43.731	0.0015	21	-16 47 47.14	-0.025	15	0.34	43.706	18	33.5	46.73	16	33.5	K5	J	12A	5921	A -16 4268
52		8.8A	16 49.026	-0.0009	21	-16 22 0.35	0.006	15	0.34	49.042	18	33.5	0.45	16	33.5	K0	J	12A	5922	A -16 4269
53		8.7A	16 51.999	-0.0026	15	-12 0 41.82	0.002	17	0.31	52.043	18	33.5	41.85	16	33.5	F8	J	11	5653	A -11 4110
54		8.8A	16 56.394	-0.0021	17	-18 45 14.30	-0.009	13	0.30	56.429	18	33.5	14.15	16	33.5	K5	J	12B	6743	A -18 4261
55		8.8A	17 2.528	0.0001	21	-14 31 25.51	-0.008	15	0.34	2.526	18	33.5	25.38	16	33.5	M2	J	12A	5923	A -14 4401
56		9.1A	17 4.513	-0.0020	18	-11 47 43.37	-0.023	20	0.35	4.546	18	33.5	42.99	16	33.5	G0	J	11	5655	A -11 4111
57		8.9A	17 5.749	-0.0013	17	-13 25 52.28	-0.012	18	0.33	5.770	18	33.5	52.48	16	33.5	K5	J	11	5654	A -13 4404
58		8.8P	17 8.314	0.0000	09	-19 55 30.99	-0.026	08	0.47	8.313	18	02.3	29.68	17	99.4	B9		GC	21958K	-19 4358
59		9.2A	17 9.413	-0.0077	17	-17 22 28.91	-0.045	11	0.29	9.540	18	33.5	28.17	16	33.5	G5	J	12A	5924	A -17 4542
60		7.2T	17 9.801	-0.0007	07	-19 56 12.53	-0.019	07	0.40	9.838	15	96.8	11.46	14	93.2	B9		GC	21960K	-19 4359
61		9.0A	17 28.823	-0.0011	17	-11 50 9.14	-0.069	18	0.33	28.841	18	33.5	8.00	16	33.5	G0	J	11	5656	A -11 4112
62		8.5A	17 32.598	0.0018	18	-13 33 42.67	-0.031	20	0.35	32.568	18	33.5	42.36	16	33.5	F0	J	11	5657	A -13 4406
63		9.2A	17 32.783	-0.0070	15	-12 41 24.69	0.001	15	0.30	32.899	18	33.5	24.71	16	33.5	A2	J	11	5658	A -12 4479
64		7.7P	17 34.473	-0.0006	08	-19 59 54.89	-0.014	06	0.40	34.503	17	98.5	54.08	14	91.9	A		GC	21967K	B+-19 4361
65		8.0P	17 34.648	-0.0034	12	-19 59 43.76	-0.033	09	0.50	34.797	18	06.0	42.15	18	01.1	A0		GC	21968K	-19 4361
66		7.9A	17 35.253	-0.0007	15	-18 34 17.41	-0.007	11	0.27	35.264	18	33.5	17.29	16	33.5	K2	J	12B	6750	A -18 4266
67		6.5T	17 40.799	-0.0037	13	-12 47 33.30	0.034	12	0.65	40.982	19	01.1	35.05	18	98.8	F0		GC	21970	-12 4480
68		8.8A	17 42.192	0.0012	21	-16 57 47.11	-0.003	15	0.34	42.172	18	33.5	47.06	16	33.5	K2	J	12A	5926	A -16 4273
69		8.7A	17 58.998	-0.0025	18	-12 34 45.59	-0.007	20	0.35	59.039	18	33.5	45.47	16	33.5	A3	J	11	5660	A -12 4481
70		9.0A	18 2.830	-0.0021	15	-11 4 22.02	-0.017	17	0.31	2.865	18	33.5	21.74	16	33.5	G0	J	11	5661	A -10 4297
71		9.2A	18 10.953	0.0031	21	-17 34 43.20	-0.057	15	0.34	10.902	18	33.5	42.27	16	33.5	G5	J	12A	5927	A -17 4548
72		8.6T	18 13.132	-0.0079	15	-19 49 25.03	-0.209	13	0.67	13.481	17	05.7	15.06	18	02.3	G5		GC	21986	-19 4362
73		8.1A	18 33.193	-0.0037	18	-12 59 19.67	0.088	20	0.35	33.255	18	33.5	21.12	16	33.5	G5	J	11	5662	A -12 4485
74		9.0A	18 34.401	-0.0040	18	-10 45 48.35	0.016	20	0.35	34.468	18	33.5	48.62	16	33.5	G	J	11	5663	A -10 4300
75		8.8A	18 39.302	-0.0029	17	-12 48 39.16	-0.010	18	0.33	39.350	18	33.5	39.00	16	33.5	K0	J	11	5664	A -12 4486
76		8.7A	18 46.795	-0.0006	20	-13 39 35.29	-0.009	20	0.37	46.805	18	33.5	35.14	16	33.5	A0	J	11	5666	A -13 4412
77		8.9A	18 48.933	0.0003	12	-10 19 49.90	-0.010	12	0.25	48.928	16	33.6	49.74	16	33.6	K0		16	5672	A -10 4302
78		9.1A	18 58.388	-0.0041	15	-18 27 1.60	0.014	11	0.27	58.456	18	33.5	1.83	16	33.5	K2	J	12B	6755	A -18 4272
79		8.0A	19 0.098	0.0023	12	-10 4 9.12	-0.026	12	0.25	0.061	16	33.6	8.69	16	33.6	G5		16	5674	A -9 4364
80		9.1A	19 9.680	0.0007	18	-12 48 26.11	-0.024	20	0.35	9.648	18	33.5	25.72	16	33.5	K2	J	11	5669	A -12 4490
81		9.2A	19 9.699	-0.0039	17	-12 37 30.80	-0.037	18	0.33	9.763	18	33.5	30.19	16	33.5	K0	J	11	5670	A -12 4491
82		9.0A	19 16.325	0.0001	12	-10 9 26.14	-0.081	12	0.25	16.324	16	33.6	24.81	16	33.6	G0		16	5675	A -9 4365
83		8.8A	19 30.720	0.0004	15	-13 21 23.91	-0.030	17	0.31	30.714	18	33.5	23.42	16	33.5	A5	J	11	5672	A -13 4414
84		8.8A	19 45.057	-0.0049	18	-12 18 40.67	-0.064	20	0.35	45.138	18	33.5	39.61	16	33.5	G0	J	11	5673	A -12 4493
85		7.4A	19 49.076	-0.0042	18	-11 12 24.51	-0.025	20	0.35	49.145	18	33.5	24.10	16	33.5	F8	J	11	5674	A -10 4305
86		8.7A	19 59.306	-0.0018	17	-13 4 52.11	-0.020	18	0.33	59.336	18	33.5	51.78	16	33.5	K5	J	11	5675	A -12 4494
87		9.0A	19 59.467	-0.0020	18	-17 2 11.68	0.006	13	0.31	59.500	18	33.5	11.78	16	33.5	K0	J	12A	5928	A -16 4279
88		6.7T	20 1.200	0.0014	08	-16 54 10.70	-0.007	09	0.46	1.131	10	00.7	10.35	12	99.2	F0		GC	22018	-16 4280
89		9.1A	20 13.642	-0.0018	17	-18 36 24.14	-0.070	13	0.30	13.671	18	33.5	22.98	16	33.5	G5	J	12B	6760	A -18 4274
90		8.8A	20 29.846	-0.0080	17	-13 51 37.47	-0.106	18	0.33	29.977	18	33.5	35.72	16	33.5	G5	J	11	5676	A -13 4417
91		8.9A	20 31.956	-0.0020	18	-14 36 0.37	-0.007	13	0.31	31.988	18	33.5	0.25	16	33.5	G0	J	12A	5931	A -14 4411
92		4.6T	21 10.365	-0.0020	02	-19 55 19.12	-0.050	02	0.16	10.477	05	93.4	16.06	06	88.8	K0		GC	22042	B+-19 4365
93		9.1A	21 11.588	-0.0019	15	-10 55 3.57	-0.008	17	0.31	11.620	18	33.5	3.44	16	33.5	A2	J	11	5677	A -10 4308
94		7.8A	21 18.298	-0.0006	15	-10 34 33.06	0.006	17	0.31	18.307	18	33.5	33.16	16	33.5	F2	J	11	5679	A -10 4309
95		9.2A	21 18.488	-0.0057	15	-12 36 11.51	-0.062	17	0.31	18.581	18	33.5	10.16	16	33.5	F5	J	11	5678	A -12 4497
96		7.7A	21 25.432	-0.0005	13	-11 46 57.89	-0.035	15	0.29	25.441	18	33.5	57.31	16	33.5	F2	J	11	5680	A -11 4129
97		9.1A	21 27.655	-0.0068	15	-11 6 12.19	-0.079	17	0.31	27.768	18	33.5	10.89	16	33.5	G0	J	11	5681	A -10 4311
98		9.0A	21 30.963	-0.0087	21	-14 57 10.28	-0.093	15	0.34	31.073	18	33.5	8.74	16	33.5	G5	J	12A	5933	A -14 4417
99		8.6P	21 32.038	-0.0162	12	-13 31 28.06	-0.213	11	0.56	32.801	17	02.8	17.53	17	00.5	K0		GC	22055	-13 4416
00		9.1A	21 32.817	0.0003	18	-17 37 50.39	-0.001	13	0.31	32.813	18	33.5	50.38	16	33.5	F5	J	12A	5932	A -17 4562

159900

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	EPOCH 1950 μ s	EPOCH 1950 σ_μ ″.001	EPOCH 1950 δ_{1950} ° ′ ″	EPOCH 1950 μ' ″	EPOCH 1950 $\sigma_{\mu'}$ ″.001	EPOCH 1950 σ_{1950} ″	ORIGINAL EPOCH α_2 s	ORIGINAL EPOCH σ ″.01	ORIGINAL EPOCH ep.	ORIGINAL EPOCH δ_2 ″	ORIGINAL EPOCH σ' ″.01	ORIGINAL EPOCH ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	-10° 16H DM NUMBER
1		9.4A	16 21 37.802	-0.0025	21	-15 39 19.41	0.057	15	0.34	37.843	18	33.5	20.35	16	33.5	G5 J	12A	5934	A -15 4318
2		9.0A	21 44.703	-0.0023	21	-15 54 5.50	-0.015	15	0.34	44.742	18	33.5	5.26	16	33.5	K7 J	12A	5935	A -15 4319
3		8.8A	21 48.451	-0.0019	18	-17 26 46.55	-0.060	13	0.31	48.483	18	33.5	45.56	16	33.5	F5 J	12A	5936	A -17 4563
4		8.7A	22 17.289	0.0002	15	-11 46 5.34	0.023	17	0.31	17.285	18	33.5	5.72	16	33.5	K5 J	11	5684	A -11 4132
5		8.7A	22 18.685	-0.0036	15	-13 55 19.83	0.009	17	0.31	18.744	18	33.5	19.98	16	33.5	K5 J	11	5683	A -13 4419
6		9.0A	22 25.375	0.0014	21	-16 4 36.60	-0.015	15	0.34	25.352	18	33.5	36.36	16	33.5	A0 J	12A	5937	A -15 4320
7		8.5A	22 30.997	-0.0004	15	-13 3 57.45	-0.005	17	0.31	31.003	18	33.5	57.37	16	33.5	K2 J	11	5685	A -12 4501
8		6.8A	22 31.032	-0.0004	17	-19 43 24.82	-0.026	13	0.30	31.040	18	33.5	24.40	16	33.5	A0 J	12B	6768	A -19 4368
9		6.9A	22 43.688	-0.0034	18	-15 58 18.38	0.013	13	0.31	43.744	18	33.5	18.66	16	33.5	F8 J	12A	5938	A -15 4321
10		9.0A	22 53.181	-0.0033	15	-12 33 39.27	-0.042	17	0.31	53.235	18	33.5	38.58	16	33.5	G5 J	11	5686	A -12 4504
11		8.8A	23 3.273	-0.0015	15	-13 54 40.95	-0.024	17	0.31	3.298	18	33.5	40.56	16	33.5	G0 J	11	5687	A -13 4424
12		9.0A	23 12.087	-0.0017	18	-12 5 9.32	0.012	20	0.35	12.115	18	33.5	9.52	16	33.5	K0 J	11	5688	A -11 4134
13		8.4A	23 32.557	-0.0009	15	-11 22 26.19	0.007	17	0.31	32.573	18	33.5	26.31	16	33.5	K5 J	11	5689	A -11 4135
14		9.3A	23 44.312	-0.0014	15	-12 29 33.67	-0.066	17	0.31	44.335	18	33.5	32.58	16	33.5	F5 J	11	5690	A -12 4508
15		8.7A	23 45.841	-0.0069	17	-19 1 11.39	-0.042	13	0.30	45.955	18	33.5	10.69	16	33.5	G5 J	12B	6770	A -18 4281
16		6.9I	23 56.577	0.0006	15	-12 18 54.74	-0.012	14	0.68	56.552	18	05.7	54.19	19	04.3	N3E	GC	22115V	B*-12 4510
17		8.6A	24 1.828	-0.0025	15	-13 44 11.59	0.016	17	0.31	1.870	18	33.5	11.86	16	33.5	A3 J	11	5692	A -13 4429
18		4.9T	24 7.286	-0.0008	03	-18 20 40.22	-0.029	03	0.17	7.327	06	98.0	38.64	07	95.2	B3F	GC	22117	B*-18 4282
19		7.2T	24 8.341	0.0018	14	-17 39 24.54	-0.043	11	0.66	8.255	21	02.5	22.39	21	99.7	F8	GC	22118	-17 4572
20		8.9A	24 13.933	0.0002	17	-12 9 40.43	-0.041	18	0.33	13.929	18	33.5	39.75	16	33.5	G0 J	11	5693	A -11 4138
21		8.7A	24 19.598	0.0014	17	-11 58 48.53	0.005	18	0.33	19.575	18	33.5	48.61	16	33.5	G0 J	11	5694K	A -11 4140
22		8.9A	24 22.148	-0.0008	20	-13 31 23.09	-0.009	20	0.36	22.160	18	33.6	22.95	16	33.6	A0 J	11	5695	A -13 4430
23		8.9A	24 33.855	-0.0003	15	-10 40 27.23	0.016	17	0.31	33.860	18	33.6	27.49	16	33.6	K2 J	11	5696	A -10 4319
24		8.3A	24 46.436	-0.0033	12	-10 1 53.39	-0.028	12	0.25	46.491	16	33.6	52.93	16	33.6	G0	16	5705	A -9 4392
25		9.2A	24 59.758	-0.0005	21	-17 25 12.67	-0.022	15	0.34	59.766	18	33.5	12.31	16	33.5	A2 J	12A	5941	A -17 4574
26		8.4A	25 0.337	-0.0017	17	-11 4 31.32	0.005	18	0.33	0.366	18	33.6	31.40	16	33.6	K0 J	11	5697	A -10 4320
27		8.8A	25 7.327	-0.0057	21	-17 44 5.42	0.040	15	0.34	7.421	18	33.5	6.08	16	33.5	G5 J	12A	5943	A -17 4575
28		8.3A	25 14.649	-0.0018	13	-12 59 34.08	-0.017	15	0.29	14.678	18	33.6	33.80	16	33.6	F8 J	11	5698	A -12 4515
29		7.1T	25 24.457	-0.0029	20	-16 6 5.56	-0.010	16	0.83	24.590	10	04.2	5.09	12	03.2	F5	GC	22139	-15 4324
30		9.0A	25 25.611	0.0005	15	-13 42 33.07	0.002	17	0.31	25.602	18	33.6	33.10	16	33.6	K5 J	11	5699	A -13 4435
31		8.9A	25 36.590	-0.0012	15	-11 33 39.11	-0.045	17	0.31	36.610	18	33.6	38.37	16	33.6	G5 J	11	5700	A -11 4147
32		6.9T	25 39.837	-0.0044	16	-13 17 24.00	-0.003	14	0.73	40.037	19	05.0	23.86	19	02.3	G5	GC	22141	-13 4437
33		9.0A	25 51.523	-0.0031	21	-17 22 3.42	-0.056	15	0.34	51.574	18	33.5	2.50	16	33.5	F5 J	12A	5946	A -17 4581
34		9.1A	25 51.794	0.0021	18	-15 18 35.24	-0.003	13	0.31	51.760	18	33.5	35.19	16	33.5	K5 J	12A	5947	A -15 4325
35		8.1A	25 51.841	0.0030	18	-17 52 31.15	0.000	13	0.31	51.792	18	33.5	31.15	16	33.5	A0 J	12A	5945	A -17 4580
36		8.8A	26 2.966	-0.0000	15	-12 9 17.06	-0.007	17	0.31	2.967	18	33.6	16.95	16	33.6	G0 J	11	5702	A -11 4149
37		9.3A	26 3.206	0.0011	18	-17 3 36.46	-0.045	13	0.31	3.188	18	33.5	35.72	16	33.5	A0 J	12A	5948	A -16 4288
38		8.6A	26 7.986	-0.0015	12	-10 13 27.96	-0.053	12	0.25	8.010	16	33.6	27.09	16	33.6	F5	16	5711	A -10 4322
39		8.8A	26 16.593	-0.0017	18	-14 34 25.27	0.004	13	0.31	16.621	18	33.5	25.33	16	33.5	G0 J	12A	5949	A -14 4428
40		8.8A	26 21.966	-0.0015	17	-11 54 49.62	-0.014	18	0.33	21.992	18	33.6	49.39	16	33.6	A0 J	11	5704	A -11 4151
41		9.1A	26 35.060	-0.0007	18	-14 58 8.09	0.009	13	0.31	35.072	18	33.5	8.24	16	33.5	G0 J	12A	5950	A -14 4430
42		7.1A	26 37.132	0.0014	13	-27 41.30	0.041	20	0.35	37.109	18	33.6	41.97	16	33.6	K2 J	11	5705	A -13 4440
43		8.6A	26 41.331	-0.0021	18	-11 6 43.86	0.024	20	0.35	41.365	18	33.6	44.26	16	33.6	G5 J	11	5706	A -10 4324
44		9.5A	26 42.361	-0.0019	21	-16 2 50.49	-0.004	15	0.34	42.393	18	33.5	50.42	16	33.5	F0 J	12A	5951	A -15 4327
45		9.1A	26 45.587	0.0011	21	-18 7 53.05	-0.029	15	0.34	45.569	18	33.5	52.57	16	33.5	A0 J	12A	5952	A -17 4585
46		8.1A	26 48.422	0.0050	20	-18 34 8.36	-0.237	15	0.34	48.340	18	33.5	4.44	16	33.5	G0 J	12B	6777	A -18 4287
47		9.0A	26 49.774	-0.0000	21	-14 28 35.19	0.016	15	0.34	49.774	18	33.5	35.46	16	33.5	A2 J	12A	5953	A -14 4431
48		5.7H	26 57.107	0.0023	02	-14 26 33.43	0.015	02	0.07	57.044	04	22.7	33.85	04	21.8	G0	F4	1430	-14 4433
49		6.7T	27 2.705	-0.0011	14	-11 1 15.23	0.009	11	0.65	2.757	21	03.9	15.69	19	99.4	B9	GC	22174	-10 4327
50		8.3A	27 6.527	-0.0007	18	-11 55 12.01	-0.020	20	0.35	6.538	18	33.6	11.68	16	33.6	K5 J	11	5708	A -11 4154
51		9.0A	16 27 23.000	0.0011	21	-17 53 47.97	-0.079	15	0.34	22.982	18	33.5	46.67	16	33.5	G5 J	12A	5955	A -17 4586
52		9.1A	27 30.784	-0.0000	17	-11 44 11.66	0.024	18	0.33	30.785	18	33.6	12.06	16	33.6	F8 J	11	5709	A -11 4155
53		8.9A	27 31.140	-0.0051	15	-18 13 50.59	-0.104	12	0.28	31.224	18	33.5	48.87	16	33.5	G0 J	12B	6779	A -18 4288
54		8.8A	27 34.309	-0.0003	20	-11 12 47.13	-0.023	20	0.36	34.314	18	33.6	46.75	16	33.6	K0 J	11	5710	A -11 4156
55		7.3A	27 40.994	-0.0087	12	-10 19 57.90	-0.085	12	0.25	41.137	16	33.6	56.51	16	33.6	G0	16	5714	A -10 4329
56		9.2A	27 42.395	-0.0000	21	-14 26 15.40	-0.106	15	0.34	42.395	18	33.5	13.65	16	33.5	G5 J	12A	5957K	A -14 4434
57		9.0A	27 46.398	0.0011	21	-15 6 44.85	-0.007	15	0.34	46.380	18	33.5	44.74	16	33.5	F5 J	12A	5958	A -14 4435
58		8.9A	27 53.514	-0.0059	15	-13 0 28.98	-0.087	17	0.31	53.611	18	33.6	27.55	16	33.6	G0 J	11	5712	A -12 4525
59		8.7A	27 56.489	-0.0023	18	-10 32 20.59	0.014	20	0.35	56.527	18	33.6	20.82	16	33.6	K2 J	11	5713	A -10 4331
60		9.1A	27 59.745	-0.0082	21	-14 40 32.68	-0.131	15	0.34	59.881	18	33.5	30.52	16	33.5	G5 J	12A	5959	A -14 4437
61		8.6Q	28 1.979	-0.0000	09	-13 1 33.44	-0.008	07	0.44	1.981	17	01.8	33.00	17	94.6	A0	GC	22191K	B*-12 4527
62		8.7A	28 2.287	-0.0012	20	-10 41 27.76	-0.011	20	0.36	2.306	18	33.6	27.58	16	33.6	A2 J	11	5715	A -10 4332
63		4.4T	28 16.379	-0.0037	02	-16 30 19.16	-0.038	02	0.15	16.587	05	93.9	16.96	06	92.0	K0	GC	22290K	B*-16 4298
64		8.6A	28 45.285	-0.0016	21	-17 36 25.07	-0.019	15	0.34	45.311	18	33.5	24.76	16	33.5	B9 J	12A	5961	A -17 4591
65		8.8A	29 16.813	0.0006	17	-12 0 47.96	-0.038	18	0.33	16.804	18	33.6	47.34	16	33.6	K5 J	11	5716	A -11 4159
66		7.1T	29 20.817	-0.0018	12	-12 19 33.79	-0.023	13	0.74	20.919	22	94.8	32.52	22	94.7	A0	GC	22228	-12 4533
67		9.3A	29 29.891	-0.0028	21	-17 53 50.96	-0.013	15	0.34	29.938	18	33.5	50.74	16	33.5	F8 J	12A	5962	A -17 4594
68		9.0A	29 37.471	-0.0011	17	-19 58 4.87	0.004	13	0.30	37.489	18	33.5	4.94	16	33.5	F5 J	12B	6786	A -19 4375
69		9.0A	29 44.120	-0.0001	15	-19 29 10.51	-0.012	12	0.28	44.121	18	33.5	10.31	16	33.5	K0 J	12B	6787	A -19 4376
70		8.5A	29 45.731	-0.0030	15	-11 50 59.68	0.039	17	0.31	45.781	18	33.6	+ 0.32	16	33.6	K2 J	11	5718	A -11 4162
71		6.9T	29 46.818	-0.0035	07	-15 52 50.28	-0.128	07	0.46	47.034	17	88.6	42.27	15	87.4	F8	GC	22238	-15 4335
72		6.8T	30 10.423	0.0010	13	-10 27 28.18	0.020	13	0.65	10.374	18	02.4	29.13	17	02.2	A5	GC	22247K	-10 4336
73		7.4A	30 24.402	-0.0001	15	-12 41 38.61	-0.019	17	0.31	24.403	18	33.6	38.30	16	33.6	G5 J	11	5720	A -12 4543
74		8.8A	30 40.180	-0.0006	21	-14 3 40.89	-0.004	15	0.34	40.190	18	33.5	40.82	16	33.5	K5 J	12A	5964	A -13 4453
75		7.6T	30 43.626	-0.0025	12	-12 27 21.72	0.010	11	0.58	43.742	19	03.2	22.21	19	00.0	K5	GC	22261	-12 4546
76		8.4A	30 48.838	0.0003	21	-14 55 3.12	-0.010	15	0.34	48.833	18	33.5	2.95	16	33.5	K5 J	12A	5966	A -14 4443
77		9.2A	30 49.016	-0.0003	21	-15 11 24.76	-0.007	15	0.34	49.020	18	33.5	24.64	16	33.5	K5 J	12A	5965	A -14 4442
78		8.0A	31 1.565	-0.0043	21	-14 21 45.49	-0.018	15	0.34	1.637	18	33.5	45.19	16	33.5	K0 J	12A	5968	A -14 4444
79		8.9A	31 5.830	-0.0019	17	-10 39 9.79	-0.015	18	0.33	5.861	18	33.6	9.55	16	33.6	K2 J	11	5724	A -10 4338
80		8.7A	31 11.322	-0.0010	18	-15 25 24.90	0.002	13	0.31	11.339	18	33.5	24.93	16	33.5	K2 J	12A	5969	A -15 4340
81		8.3I	31 22.388	-0.0007	10	-17 3 26.57	-0.003	10	0.54	22.422	21	00.6	26.41	19	99.2		GC	22273V	B*-16 4307
82		7.5A	31 22.427	-0.0135	20	-10 34 27.14	0.012	20	0.36	22.650	18	33.6	27.34	16	33.6	K0 J	11	5725	A -10 4339
83		8.4A	31 25.534	-0.0014	15	-10 22 59.10	-0.029	17	0.31	25.557	18	33.6	58.63	16	33.6	K2 J	11	5726	A -10 4340
84		8.8A	31 25.590	-0.0022	21	-14 38 17.45	-0.032	15	0.34	25.626	18	33.5	16.92	16	33.5	K2 J	12A	5971	A -14 4445
85		9.1A	31 31.420	-0.0003	11	-10 15 59.17	-0.006	11	0.23	31.425	16	33.6	59.07	16	33.6	A2	16	5732	A -10 4343
86		9.4A	31 43.762	0.0003	21	-16 48 53.85	-0.030	15	0.34	43.757	18	33.5	53.36	16	33.5	A2 J	12A	5972	A -16 4308
87		8.6A	31 51.284	-0.0004	17	-19 50 16.99	-0.013	13	0.30	51.290	18	33.5	16.78	16	33.5	K2 J	12B	6792	A -19 4381
88		8.9A	31 58.073	-0.0032	17	-18 12 1.94	-0.052	13	0.30	58.126	18	33.5	1.08	16	33.5	G0 J	12B	6793	A -17 4601
89		8.5A	32 29.807	-0.0013	21	-16 9 53.73	-0.028	15	0.34	29.828	18	33.5	53.27	16	33.5	A0 J	12A	5974	A -15 4346
90		8.4A	32 35.187	-0.0082	17	-18 34 14.29	0.019	13	0.30	35.322	18	33.5	14.60	16	33.5	G5 J	12B	6796	A -18 4295
91		9.4A	33 1.782	0.0002	21	-14 58 57.06	-0.016	15	0.34	1.780	18	33.5	56.80	16	33.5	G5 J	12A	5975	A -14 4452
92		9.0A	33 9.030	0.0002	21	-15 18 55.09	-0.018	15	0.34	9.026	18	33.5	54.79	16	33.5	K5 J	12A	5976	A -15 4348
93		8.8A	33 10.654	-0.0024	17	-18 27 27.92	-0.021	13	0.30	10.693	18	33.5	27.57	16	33.5	K5 J	12B	6798	A -18 4296
94		9.2A	33 14.183	0.0014	21	-15 59 11.44	-0.070	15	0.34	14.160	18	33.5	10.29	16	33.5	G5 J	12A	5977	A -15 4349
95		8.2A	33 32.774	-0.0023	21	-14 32 24.69	-0.049	15	0.34	32.812	18	33.5	23.88	16	33.5	K0 J	12A	5978	A -14 4455
96		9.2A	33 33.618	0.0025	15	-12 50 0.24	-0.056	17	0.31	33.578	18	33.6	59.32	16	33.6	F5 J	11	5728	A -12 4555
97		9.3A	33 36.218	-0.0015	18	-16 1 11.42	-0.006	13	0.31	36.244	18	33.5	11.32	16	33.5	F8 J	12A	5979	A -15 4350
98		8.9A	33 36.929	-0.0011	17	-19 10 28.32	-0.017	12	0.29	36.947	18	33.5	28.03	16	33.5	A0 J	12B	6800	A -18 4297
99		8.7A	33 43.341	-0.0021	18	-19 30 3.67	-0.006	13	0.31	43.376	18	33.5	3.57	16	33.5	A5 J	12B	6802	A -19 4392
00		8.9A	33 46.109	-0.0059	15	-13 30 4.85	-0.053	17	0.31	46.206	18	33.6	3.98	16	33.6	K0 J	11	5729	A -13 4457

160000

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	EPOCH 1950 μ s	EPOCH 1950 σ_μ ″.001	EPOCH 1950 δ_{1950} ° ′ ″	EPOCH 1950 μ' ″	EPOCH 1950 $\sigma_{\mu'}$ ″.001	EPOCH 1950 σ_{1950} ″	ORIGINAL EPOCH α_2 s	ORIGINAL EPOCH σ ″.01	ORIGINAL EPOCH ep.	ORIGINAL EPOCH δ_2 ″	ORIGINAL EPOCH σ' ″.01	ORIGINAL EPOCH ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	-10° 16H DM NUMBER
1		9.0A	16 33 47.513	-0.0002	17	-11 36 58.14	-0.042	18	0.33	47.517	18	33.6	57.45	16	33.6	F8 J	11	5731	A -11 4174
2		8.8A	33 49.274	-0.0028	21	-14 8 3.62	-0.034	15	0.34	49.321	18	33.5	3.06	16	33.5	G0 J	12A	5980	A -13 4458
3		7.3A	33 56.453	-0.0032	18	-13 37 12.92	-0.016	20	0.35	56.506	18	33.6	12.66	16	33.6	F8 J	11	5732	A -13 4459
4		8.8A	34 7.459	-0.0021	21	-17 3 34.13	-0.041	15	0.34	7.495	18	33.5	33.47	16	33.5	F5 J	12A	5981	A -16 4315
5		9.5A	34 16.455	-0.0031	18	-15 30 39.33	-0.034	13	0.31	16.507	18	33.5	38.76	16	33.5	G0 J	12A	5982	A -15 4354
6		2.7M	34 24.137	0.0008	01	-10 28 2.81	0.023	01	0.04	24.107	02	10.7	3.68	02	11.7	B0	F4	622	-10 4350
7		8.2A	34 29.158	0.0019	18	-11 14 27.38	0.016	20	0.35	29.127	18	33.6	27.65	16	33.6	K5 J	11	5734	A -11 4175
8		9.2A	34 29.268	0.0066	21	-17 21 35.38	-0.065	15	0.34	29.159	18	33.5	34.31	16	33.5	G5 J	12A	5983	A -17 4604
9		8.8A	34 32.637	-0.0027	17	-12 40 24.08	-0.019	18	0.33	32.682	18	33.6	23.77	16	33.6	K5 J	11	5735	A -12 4557
10		8.6A	34 40.068	-0.0021	17	-18 16 16.99	0.000	13	0.30	40.103	18	33.5	16.99	16	33.5	A0 J	12B	6806	A -18 4298
11		8.3A	34 43.172	-0.0009	18	-11 46 11.15	-0.019	20	0.35	43.186	18	33.6	10.84	16	33.6	F2 J	11	5736	A -11 4177
12		8.6A	34 44.575	-0.0028	21	-16 45 1.00	-0.007	15	0.34	44.622	18	33.5	0.88	16	33.5	K0 J	12A	5986	A -16 4317
13		9.4A	35 9.637	-0.0025	21	-14 31 46.89	0.009	15	0.34	9.679	18	33.5	47.04	16	33.5	F0 J	12A	5987	A -14 4460
14		9.1A	35 19.739	0.0003	15	-13 25 26.83	-0.199	17	0.31	19.734	18	33.6	25.56	16	33.6	G5 J	11	5737	A -13 4464
15		8.0A	35 27.938	-0.0012	21	-14 34 53.75	-0.014	15	0.34	27.958	18	33.6	53.51	16	33.6	F0 J	12A	5988	A -14 4463
16		9.1A	35 31.447	-0.0017	11	-10 5 31.36	0.029	11	0.23	31.474	16	33.6	31.84	16	33.6	K2	16	5750	A -9 4424
17		6.7T	35 34.380	-0.0018	09	-18 7 17.43	-0.015	06	0.39	34.465	10	01.9	16.66	12	97.9	A0	GC	22363	-17 4606
18		7.2A	35 39.712	-0.0020	17	-18 43 37.11	0.003	13	0.30	39.745	18	33.6	37.16	16	33.6	K0 J	12B	6810	A -18 4302
19		8.6A	35 42.846	0.0004	15	-11 26 29.75	-0.007	17	0.31	42.840	18	33.6	29.64	16	33.6	K5 J	11	5740	A -11 4179
20		8.8A	35 51.734	-0.0007	18	-10 44 58.94	0.008	20	0.35	51.745	18	33.6	59.06	16	33.6	K0 J	11	5741	A -10 4354
21		9.1A	35 53.118	-0.0014	21	-17 47 56.98	-0.020	15	0.34	53.141	18	33.6	56.65	16	33.6	A3 J	12A	5990	A -17 4608
22		8.7A	35 56.271	0.0021	17	-13 59 38.80	-0.165	18	0.33	56.236	18	33.6	36.10	16	33.6	G5 J	11	5742	A -13 4466
23		8.8A	36 3.634	-0.0007	12	-10 20 26.86	-0.024	12	0.25	3.645	16	33.6	26.47	16	33.6	K0	16	5753	A -10 4358
24		8.9A	36 6.457	-0.0027	17	-18 25 35.08	0.000	13	0.30	6.500	18	33.6	35.08	16	33.6	F2 J	12B	6812	A -18 4304
25		8.6A	36 14.116	-0.0042	12	-10 9 58.34	-0.008	12	0.25	14.184	16	33.6	58.21	16	33.6	K0	16	5755	A -9 4427
26		8.4A	36 24.307	0.0000	15	-12 14 16.68	-0.002	17	0.31	24.307	18	33.6	16.65	16	33.6	F8 J	11	5746	A -12 4563
27		9.1A	36 34.568	0.0008	21	-14 49 20.31	-0.015	15	0.34	34.555	18	33.6	20.06	16	33.6	A3 J	12A	5991	A -14 4467
28		8.7A	36 44.436	-0.0003	15	-11 35 7.78	0.014	17	0.31	44.442	18	33.6	8.01	16	33.6	A2 J	11	5747	A -11 4181
29		8.5A	36 56.242	-0.0004	21	-16 30 56.89	-0.027	15	0.34	56.248	18	33.6	56.45	16	33.6	K2 J	12A	5992	A -16 4325
30		9.3A	37 14.604	-0.0007	21	-14 31 59.81	-0.042	15	0.34	14.615	18	33.6	59.12	16	33.6	F5 J	12A	5993	A -14 4469
31		9.3A	37 18.952	0.0004	15	-13 10 30.28	-0.042	17	0.31	18.946	18	33.6	29.59	16	33.6	K2 J	11	5748	A -12 4565
32		9.1A	37 32.705	-0.0062	17	-19 45 38.28	-0.092	13	0.30	32.839	18	33.6	36.78	16	33.6	G5 J	12B	6816	A -19 4403
33		9.1A	37 36.245	-0.0004	17	-19 21 37.36	0.001	13	0.30	36.251	18	33.6	37.37	16	33.6	K5 J	12B	6818	A -19 4404
34		8.7A	37 38.071	-0.0008	15	-12 40 7.20	0.011	17	0.31	38.079	18	33.6	7.38	16	33.6	K5 J	11	5749	A -12 4567
35		9.0A	37 40.749	0.0025	21	-15 33 33.45	-0.068	15	0.34	40.708	18	33.6	32.33	16	33.6	F5 J	12A	5994	A -15 4365
36		9.2A	37 49.912	-0.0032	21	-17 13 3.53	-0.059	15	0.34	49.965	18	33.6	2.56	16	33.6	F8 J	12A	5995	A -17 4613
37		9.2A	37 51.600	0.0010	21	-15 28 4.73	-0.010	15	0.34	51.584	18	33.6	4.57	16	33.6	M1 J	12A	5996	A -15 4366
38		8.9A	37 59.559	0.0022	21	-16 16 33.31	-0.000	15	0.34	59.523	18	33.6	33.31	16	33.6	G5 J	12A	5997	A -16 4326
39		9.0A	38 11.982	0.0005	15	-13 40 58.30	-0.002	17	0.31	11.973	18	33.6	58.27	16	33.6	M0 J	11	5750	A -13 4474
40		8.4A	38 12.099	-0.0012	21	-15 15 39.00	-0.040	15	0.34	12.119	18	33.6	38.34	16	33.6	F5 J	12A	5998	A -15 4369
41		9.1A	38 13.558	-0.0020	15	-12 15 43.85	0.068	17	0.31	13.590	18	33.6	44.97	16	33.6	K0 J	11	5751	A -12 4571
42		9.1A	38 19.616	-0.0032	18	-15 3 43.41	-0.025	13	0.31	19.669	18	33.6	43.00	16	33.6	F8 J	12A	5999	A -14 4470
43		7.0T	38 21.034	-0.0003	17	-11 44 34.48	-0.016	12	0.74	21.046	26	03.8	33.67	24	00.0	K5	GC	22436	-11 4190
44		6.6T	38 24.355	0.0026	05	-17 57 49.11	-0.041	04	0.24	24.236	12	04.9	46.88	12	95.5	A5	GC	22439	B+-17 4616
45		8.3A	38 33.408	0.0008	18	-13 17 56.56	-0.041	20	0.35	33.395	18	33.6	55.89	16	33.6	K5 J	11	5753	A -13 4476
46		5.0H	38 40.639	-0.0016	01	-17 38 49.50	-0.004	01	0.05	40.693	02	15.2	49.37	02	14.6	K0	F4	624	-17 4618
47		8.8A	38 41.303	0.0021	21	-16 50 17.71	-0.022	15	0.34	41.268	18	33.6	17.35	16	33.6	F5 J	12A	6002	A -16 4327
48		9.1A	38 44.202	-0.0007	21	-14 20 35.95	-0.016	15	0.34	44.213	18	33.6	35.69	16	33.6	K0 J	12A	6003	A -14 4472
49		8.7A	38 44.934	0.0007	15	-11 41 11.82	0.006	17	0.31	44.923	18	33.6	11.92	16	33.6	A2 J	11	5755	A -11 4191
50		9.1A	38 47.804	0.0012	17	-11 38 24.98	-0.029	18	0.33	47.785	18	33.6	24.51	16	33.6	K0 J	11	5756	A -11 4192
51		8.8A	16 38 54.149	-0.0007	15	-13 16 1.05	-0.068	17	0.31	54.160	18	33.6	59.93	16	33.6	G5 J	11	5757	A -13 4478
52		5.6T	38 57.085	0.0015	04	-19 49 49.21	0.038	04	0.21	57.011	06	01.6	51.09	07	00.4	F5	GC	22453	-19 4406
53		8.7A	38 57.282	0.0001	15	-16 16 7.42	0.002	12	0.28	57.281	18	33.6	7.45	16	33.6	K2 J	12A	6004	A -16 4328
54		9.0A	39 2.503	-0.0072	17	-18 50 38.48	0.081	13	0.30	2.621	18	33.6	39.80	16	33.6	G5 J	12B	6821	A -18 4307
55		8.7A	39 19.255	0.0003	17	-19 58 4.55	-0.012	13	0.30	19.249	18	33.6	4.35	16	33.6	A2 J	12B	6823	A -19 4407
56		9.0A	39 25.433	-0.0014	21	-16 55 53.84	0.043	15	0.34	25.456	18	33.6	54.54	16	33.6	K0 J	12A	6005	A -16 4332
57		7.6A	39 49.394	-0.0011	15	-11 4 49.49	-0.018	17	0.31	49.413	18	33.6	49.20	16	33.6	A2 J	11	5758	A -10 4373
58		9.1A	40 10.623	-0.0009	13	-12 28 11.95	-0.044	15	0.29	10.637	18	33.6	11.23	16	33.6	A3 J	11	5759	A -12 4579
59		8.6A	40 21.530	-0.0029	17	-18 21 54.51	-0.009	13	0.30	21.577	18	33.6	54.36	16	33.6	K2 J	12B	6828	A -18 4310
60		7.9A	40 29.340	-0.0041	15	-13 56 29.34	-0.009	17	0.31	29.408	18	33.6	29.19	16	33.6	F2 J	11	5760	A -13 4482
61		8.6A	40 33.731	-0.0009	21	-14 46 39.74	-0.068	15	0.34	33.746	18	33.6	38.62	16	33.6	K5 J	12A	6006	A -14 4475
62		8.6A	40 48.161	0.0012	21	-15 9 2.74	-0.010	15	0.34	48.142	18	33.6	2.58	16	33.6	A5 J	12A	6008	A -14 4476
63		9.3A	40 49.773	0.0005	21	-17 25 20.41	-0.022	15	0.34	49.766	18	33.6	20.05	16	33.6	B J	12A	6007	A -17 4623
64		8.7A	40 58.264	-0.0034	15	-13 56 52.44	-0.065	15	0.30	58.320	18	33.6	51.37	16	33.6	G0 J	11	5761	A -13 4487
65		9.0A	40 59.008	0.0007	21	-14 3 29.06	-0.009	15	0.34	58.996	18	33.6	28.91	16	33.6	K7 J	12A	6010	A -13 4486
66		9.1A	41 0.600	-0.0024	15	-11 41 15.68	-0.085	17	0.31	0.639	18	33.6	14.29	16	33.6	G5 J	11	5763	A -11 4198
67		8.8A	41 0.648	-0.0039	20	-18 4 56.42	0.017	15	0.33	0.711	18	33.6	56.70	16	33.6	A3 J	12B	6832	A -17 4624
68		9.2A	41 5.111	0.0011	21	-15 12 54.42	-0.008	15	0.34	5.093	18	33.6	54.29	16	33.6	F8 J	12A	6011	A -15 4361
69		7.2A	41 9.857	-0.0011	17	-18 26 56.09	-0.009	13	0.30	9.875	18	33.6	55.94	16	33.6	K0 J	12B	6833	A -18 4315
70		9.0A	41 18.633	0.0016	21	-17 20 59.50	-0.024	15	0.34	18.607	18	33.6	59.11	16	33.6	K2 J	12A	6012	A -17 4626
71		9.0A	41 24.882	0.0006	15	-11 54 3.66	0.056	17	0.31	24.872	18	33.6	4.58	16	33.6	F5 J	11	5764	A -11 4200
72		8.8A	41 28.286	-0.0011	13	-19 45 33.46	-0.058	09	0.25	28.303	10	33.6	32.50	16	33.6	K2 J	12B	6835	A -19 4415
73		9.2A	41 39.310	-0.0020	13	-12 19 13.36	-0.025	15	0.29	39.343	18	33.6	12.95	16	33.6	A0 J	11	5765	A -12 4582
74		8.5A	41 40.731	-0.0011	15	-12 11 1.05	0.010	17	0.31	40.750	18	33.6	1.22	16	33.6	G0 J	11	5766	A -12 4583
75		8.9A	41 44.438	0.0003	15	-12 8 11.06	0.007	17	0.31	44.433	18	33.6	11.18	16	33.6	G5 J	11	5767	A -11 4204
76		7.9A	41 52.603	-0.0021	15	-13 59 19.50	-0.020	17	0.31	52.637	18	33.6	19.17	16	33.6	M1 J	11	5768	A -13 4495
77		9.0A	42 12.971	-0.0003	15	-12 33 40.88	-0.008	17	0.31	12.976	18	33.6	41.01	16	33.6	M0 J	11	5769	A -12 4586
78		8.5A	42 23.453	0.0001	15	-12 24 21.77	-0.006	17	0.31	23.452	18	33.6	21.67	16	33.6	K2 J	11	5770	A -12 4587
79		8.9A	42 33.117	-0.0017	17	-18 23 54.10	0.006	13	0.30	33.145	18	33.6	54.20	16	33.6	F0 J	12B	6840	A -18 4321
80		6.9T	42 34.578	0.0012	12	-19 2 46.98	-0.004	11	0.58	34.520	10	02.9	46.76	12	00.6	K5	GC	22538	-18 4320
81		8.2A	42 35.789	-0.0008	15	-10 34 26.06	-0.071	15	0.30	35.802	18	33.6	24.89	16	33.6	K0 J	11	5771	A -10 4383
82		9.1A	42 36.769	0.0002	21	-16 21 29.19	-0.003	15	0.34	36.766	18	33.6	29.13	16	33.6	A0 J	12A	6013	A -16 4343
83		8.3A	42 49.728	0.0009	15	-10 49 59.23	-0.021	17	0.31	49.713	18	33.6	58.89	16	33.6	K2 J	11	5772	A -10 4384
84		8.9A	42 59.788	-0.0002	15	-12 17 14.06	0.023	17	0.31	59.791	18	33.6	14.44	16	33.6	A2 J	11	5773	A -12 4591
85		8.8A	43 12.379	0.0006	21	-16 48 37.86	-0.025	15	0.34	12.370	18	33.6	37.45	16	33.6	K5 J	12A	6014	A -16 4344
86		9.6A	43 31.700	-0.0017	18	-15 24 51.19	0.007	13	0.31	31.728	18	33.6	51.31	16	33.6	A2 J	12A	6016	A -15 4388
87		8.2G	43 39.807	0.0121	12	-17 30 15.41	-0.084	13	0.60	39.269	18	05.7	11.58	17	04.3	G0	GC	22565	-17 4631
88		9.3A	43 43.023	0.0010	21	-17 37 43.61	0.003	12	0.33	43.007	18	33.6	43.66	16	33.6	A5 J	12A	6018K	A -17 4632
89		9.3A	43 43.771	0.0041	18	-16 48 8.51	-0.055	13	0.31	43.703	18	33.6	7.61	16	33.6	G J	12A	6019	A -16 4347
90		8.6A	43 44.298	-0.0012	17	-18 41 56.70	-0.057	13	0.30	44.317	18	33.6	55.76	16	33.6	G0 J	12B	6844	A -18 4324
91		8.2A	43 58.423	-0.0016	15	-13 14 58.44	0.020	17	0.31	58.449	18	33.6	58.77	16	33.6	A2 J	11	5774	A -13 4504
92		8.4A	44 10.648	-0.0013	15	-11 3 4.41	-0.013	17	0.31	10.669	18	33.6	4.20	16	33.6	A2 J	11	5775	A -10 4388
93		8.8A	44 11.934	-0.0000	15	-11 30 54.55	0.041	15	0.30	11.935	18	33.6	55.22	16	33.6	G5 J	11	5776	A -11 4209
94		9.2A	44 22.096	-0.0002	21	-15 35 39.37	-0.005	15	0.34	22.099	18	33.6	39.28	16	33.6	A2 J	12A	6020	A -15 4389
95		9.3A	44 32.891	0.0009	15	-13 43 50.59	-0.010	17	0.31	32.877	18	33.6	50.42	16	33.6	A J	11	5777	A -13 4506
96		9.3A	44 33.730	0.0016	21	-15 32 52.03	-0.013	15	0.34	33.704	18	33.6	51.82	16	33.6	M0 J	12A	6021	A -15 4390
97		9.4A	44 40.670	-0.0004	21	-14 32 17.24	-0.005	15	0.34	40.676	18	33.6	17.16	16	33.6	A0 J	12A	6022	A -14 4484
98		9.5A	44 47.455	0.0001	21	-15 37 44.61	0.009	15	0.34	47.453	18	33.6	44.96	16	33.6	M0 J	12A	6023	A -15 4391
99		8.9A	44 47.923	-0.0020	15	-10 26 1.54	-0.059	17	0.31	47.955	18	33.6	0.57	16	33.6	F5 J	11	5778	A -10 4390
00		8.7A	44 50.728	-0.0016	17	-19 47 14.29	-0.045	13	0.30	50.755	18	33.6	13.55	16	33.6	F2 J	12B	6848	A -19 4427

160100

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ s	σ_μ .001"	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ .001"	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ .01"	ep.	δ_2 ″	σ' .01"	ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	-10° 16H DM NUMBER
1		8.2A	16 45 9.709	0.0058	18	-15 52 30.47	-0.113	13	0.31	9.614	18	33.6	28.62	16	33.6	GO J	12A	6024	A -15 4392
2		9.2A	45 10.064	-0.0009	17	-19 17 6.76	-0.012	12	0.29	10.078	18	33.6	6.56	16	33.6	A2 J	12B	6851	A -19 4429
3		8.2A	45 23.819	-0.0015	21	-15 16 24.02	-0.008	15	0.34	23.844	18	33.6	23.89	16	33.6	KO J	12A	6025	A -15 4393
4		6.1T	45 36.366	-0.0016	12	-14 49 19.68	-0.003	11	0.67	36.453	24	96.5	19.50	21	94.5	AO	GC	22608	-14 4486
5		8.0G	45 36.408	-0.0065	14	-16 14 37.13	-0.278	13	0.62	36.679	18	08.1	24.81	18	05.4	G5	GC	22609	-16 4350
6		8.4G	45 36.661	-0.0076	13	-19 11 45.93	-0.363	10	0.58	37.000	18	05.2	27.58	15	99.5	G5	GC	22610	-19 4431
7		8.6A	45 50.352	0.0010	20	-19 58 44.52	-0.030	15	0.32	50.335	18	33.9	44.03	16	33.9	K5 J	13A	6856	A -19 4432
8		9.3A	45 55.512	-0.0026	13	-13 13 29.21	0.028	15	0.29	55.555	18	33.6	29.67	16	33.6	G5 J	11	5779	A -13 4508
9		8.7A	46 2.576	-0.0040	20	-18 1 9.27	-0.027	15	0.35	2.643	18	33.6	8.83	16	33.6	K2 J	12B	6859	A -17 4637
10		9.0A	46 4.933	-0.0002	18	-19 31 8.20	-0.053	15	0.32	4.935	18	33.6	7.33	16	33.6	F2 J	12B	6860	A -19 4434
11		9.0A	46 5.554	0.0020	20	-19 31 10.62	-0.051	15	0.33	5.521	18	33.6	9.78	16	33.6	F2 J	12B	6861	A -19 4434
12		8.2A	46 19.390	-0.0009	17	-19 10 15.23	-0.012	13	0.30	19.404	18	33.6	15.03	16	33.6	K5 J	12B	6864	A -19 4436
13		8.6A	46 29.558	-0.0028	18	-16 41 10.38	-0.020	13	0.31	29.604	18	33.6	10.05	16	33.6	KO J	12A	6029	A -16 4353
14		7.9A	46 34.847	-0.0007	20	-18 50 26.10	0.004	15	0.33	34.858	18	33.6	26.16	16	33.6	KO J	12B	6866	A -18 4330
15		9.0A	46 35.235	-0.0036	21	-16 20 1.05	-0.021	15	0.34	35.294	18	33.6	0.70	16	33.6	AO J	12A	6030	A -16 4354
16		6.1T	46 36.157	0.0007	11	-15 34 54.81	0.028	10	0.50	36.122	09	02.0	56.18	10	00.9	A3	GC	22631	-15 4395
17		8.6A	46 52.523	-0.0012	20	-18 10 29.12	0.012	15	0.33	52.542	18	33.6	29.32	16	33.6	F5 J	12B	6867	A -18 4332
18		4.7H	47 3.867	0.0063	01	-10 41 46.42	-0.096	01	0.06	3.656	03	16.7	43.06	03	15.1	F5	F4	1438	-10 4394
19		8.6A	47 10.271	-0.0087	15	-12 59 35.72	-0.029	17	0.31	10.414	18	33.6	35.25	16	33.6	G0 J	11	5781	A -12 4597
20		8.6A	47 12.366	-0.0001	18	-15 20 28.87	0.017	13	0.31	12.367	18	33.6	29.15	16	33.6	G5 J	12A	6034	A -15 4397
21		9.0A	47 13.787	-0.0046	20	-18 2 35.84	-0.056	15	0.33	13.861	18	33.6	34.92	16	33.6	G0 J	12B	6869	A -17 4641
22		7.8T	47 17.664	-0.0063	17	-12 18 2.99	-0.110	14	0.72	17.939	19	06.2	57.99	19	04.6	G0	GC	22649	-12 4598
23		9.0A	47 36.162	-0.0002	18	-11 46 8.81	0.019	20	0.35	36.165	18	33.6	9.12	16	33.6	KO J	11	5783	A -11 4217
24		8.7A	47 42.219	0.0042	17	-11 13 49.75	-0.044	18	0.33	42.149	18	33.6	49.03	16	33.6	G0 J	11	5784	A -11 4218
25		9.6A	47 50.269	-0.0033	21	-17 5 50.17	-0.007	15	0.34	50.324	18	33.6	50.06	16	33.6	A0 J	12A	6035	A -16 4359
26		8.5A	47 58.993	-0.0008	17	-19 45 11.68	-0.022	12	0.29	59.005	18	33.6	11.32	16	33.6	B9 J	12B	6872	A -19 4443
27		7.0T	48 2.881	-0.0001	04	-16 27 44.73	-0.015	04	0.22	2.885	07	02.8	43.96	09	99.3	B8	GC	22668	-16 4360
28		7.7A	48 14.372	0.0014	18	-19 6 9.13	-0.014	13	0.31	14.349	18	33.6	8.90	16	33.6	KO J	12B	6875	A -18 4336
29		8.7A	48 27.050	0.0014	15	-13 30 48.36	0.004	17	0.31	27.028	18	33.6	48.43	16	33.6	A0 J	11	5785	A -13 4512
30		8.4A	48 29.582	0.0033	21	-17 51 20.59	-0.035	15	0.34	29.529	18	33.6	20.02	16	33.6	K2 J	12A	6037	A -17 4643
31		8.5A	48 37.082	0.0004	15	-12 36 56.83	0.005	17	0.31	37.076	18	33.6	56.91	16	33.6	K2 J	11	5786	A -12 4604
32		9.0A	49 7.017	0.0028	21	-17 34 59.49	0.009	15	0.34	6.971	18	33.6	59.64	16	33.6	KO J	12A	6038	A -17 4644
33		8.6A	49 13.857	0.0039	21	-14 43 10.93	-0.026	15	0.34	13.793	18	33.6	10.49	16	33.6	F5 J	12A	6039	A -14 4492
34		8.8A	49 17.055	-0.0021	20	-19 4 45.88	0.007	15	0.33	17.090	18	33.6	45.99	16	33.6	KO J	12B	6881	A -18 4342
35		9.4A	49 23.112	-0.0015	21	-15 48 1.51	-0.024	15	0.34	23.137	18	33.6	1.12	16	33.6	F8 J	12A	6040	A -15 4401
36		8.0G	49 24.760	-0.0053	10	-19 16 26.74	-0.068	09	0.49	24.998	18	04.7	23.35	17	00.5	F8	GC	22700	-19 4451
37		8.7A	49 24.878	-0.0019	21	-14 17 13.86	-0.007	15	0.34	24.909	18	33.6	13.74	16	33.6	K2 J	12A	6041	A -14 4494
38		9.0A	49 38.515	-0.0008	17	-19 37 24.20	-0.032	12	0.29	38.528	18	33.6	23.67	16	33.6	G0 J	12B	6884	A -19 4453
39		9.3A	49 48.847	-0.0015	21	-16 3 41.82	-0.011	15	0.34	48.873	18	33.6	41.64	16	33.6	M0 J	12A	6042	A -15 4403
40		9.0A	49 53.458	-0.0012	15	-13 55 59.19	0.021	15	0.30	53.478	18	33.6	59.53	16	33.6	A3 J	11	5788	A -13 4514
41		9.4A	49 59.605	0.0023	21	-15 37 31.46	-0.063	15	0.34	59.568	18	33.6	30.43	16	33.6	G0 J	12A	6043	A -15 4404
42		9.1A	50 2.027	-0.0005	15	-11 36 36.33	0.012	15	0.30	2.036	18	33.6	36.55	16	33.6	F0 J	11	5790	A -11 4224
43		9.4A	50 3.176	-0.0028	21	-16 6 57.88	-0.038	15	0.34	3.222	18	33.6	57.26	16	33.6	F0 J	12A	6045	A -15 4405
44		8.9A	50 7.931	0.0020	15	-11 21 47.21	-0.018	17	0.31	7.898	18	33.6	46.91	16	33.6	A2 J	11	5791	A -11 4225
45		8.0A	50 23.748	0.0025	15	-11 35 26.72	0.011	15	0.30	23.708	18	33.6	26.90	16	33.6	A2 J	11	5792	A -11 4226
46		8.3A	50 46.873	-0.0002	15	-11 40 6.16	0.023	17	0.31	46.876	18	33.6	6.54	16	33.6	A0 J	11	5793	A -11 4227
47		9.0A	50 47.109	-0.0018	17	-19 19 33.59	-0.030	12	0.29	47.138	18	33.6	33.09	16	33.6	B9 J	12B	6888	A -19 4459
48		8.7A	50 47.938	-0.0036	15	-10 40 21.25	0.041	17	0.31	47.879	18	33.6	21.92	16	33.6	F5 J	11	5794	A -10 4403
49		8.2A	50 58.396	-0.0023	18	-19 13 57.00	-0.038	13	0.31	58.433	18	33.6	56.37	16	33.6	G0 J	12B	6890	A -19 4460
50		8.1A	51 1.200	-0.0049	20	-18 49 29.87	-0.013	15	0.33	1.279	18	33.6	29.65	16	33.6	A0 J	12B	6891	A -18 4350
51		8.2A	16 51 2.519	-0.0000	21	-17 53 43.52	-0.052	15	0.34	2.519	18	33.6	42.66	16	33.6	K0 J	12A	6046	A -17 4646
52		8.6A	51 5.578	-0.0013	20	-18 39 45.06	-0.011	12	0.32	5.600	18	33.6	44.88	16	33.6	K2 J	12B	6892	A -18 4351
53		8.9A	51 5.618	-0.0014	15	-12 57 5.80	0.008	15	0.30	5.641	18	33.6	5.93	16	33.6	A5 J	11	5795	A -12 4611
54		9.3A	51 12.127	-0.0002	21	-16 19 40.89	-0.044	15	0.34	12.130	18	33.6	40.17	16	33.6	M0 J	12A	6047	A -16 4366
55		9.0A	51 22.775	-0.0016	18	-19 17 8.87	0.005	13	0.31	22.800	18	33.6	8.95	16	33.6	G0 J	12B	6894	A -19 4461
56		9.0A	51 27.942	-0.0010	21	-14 16 14.56	-0.014	15	0.34	27.958	18	33.6	14.33	16	33.6	G0 J	12A	6048	A -14 4498
57		9.1A	51 41.062	-0.0177	17	-14 30 4.03	-0.159	15	0.31	41.372	18	33.6	1.42	16	33.6	G5 J	12A	6049	A -14 4499
58		8.6A	51 44.975	-0.0018	15	-13 3 2.19	-0.015	15	0.30	45.004	18	33.6	1.94	16	33.6	K0 J	11	5797	A -12 4614
59		6.5T	51 53.097	0.0013	11	-11 42 44.35	-0.016	10	0.59	53.026	17	96.6	43.45	15	94.1	A0	GC	22781	-11 4231
60		7.4A	52 10.726	-0.0011	20	-18 48 16.32	-0.005	15	0.33	10.744	18	33.6	16.23	16	33.6	A2 J	12B	6900	A -18 4358
61		8.7A	52 22.134	-0.0016	17	-19 21 41.98	-0.011	12	0.29	22.161	18	33.6	41.79	16	33.6	F0 J	12B	6902	A -19 4464
62		7.8A	52 26.117	-0.0011	15	-11 13 32.62	-0.045	17	0.31	26.136	18	33.6	31.88	16	33.6	F5 J	11	5800	A -11 4234
63		8.4A	52 27.275	-0.0023	17	-19 26 30.37	0.003	13	0.30	27.312	18	33.6	30.42	16	33.6	A0 J	12B	6903	A -19 4465
64		9.4A	52 34.778	-0.0030	21	-15 57 37.00	-0.024	15	0.34	34.828	18	33.6	36.60	16	33.6	G5 J	12A	6050	A -15 4408
65		8.4A	52 41.817	-0.0013	15	-11 48 47.45	0.001	17	0.31	41.838	18	33.6	47.47	16	33.6	G0 J	11	5801K	A -11 4235
66		8.5A	52 47.074	0.0005	15	-11 16 11.86	0.030	17	0.31	47.066	18	33.6	12.35	16	33.6	K0 J	11	5804	A -11 4237
67		9.0A	52 48.524	-0.0015	15	-13 44 42.14	-0.043	15	0.30	48.548	18	33.6	41.43	16	33.6	K5 J	11	5803	A -13 4519
68		8.7A	52 55.426	-0.0002	15	-11 21 3.07	0.008	15	0.30	55.429	18	33.6	3.19	16	33.6	A5 J	11	5805	A -11 4238
69		9.1A	52 58.417	-0.0030	15	-12 29 1.76	-0.055	17	0.31	58.466	18	33.6	0.88	16	33.6	F5 J	11	5806	A -12 4617
70		8.9A	53 6.061	-0.0003	21	-17 49 38.72	-0.019	15	0.34	6.066	18	33.6	38.41	16	33.6	K5 J	12A	6051	A -17 4659
71		6.5T	53 8.450	0.0055	03	-16 43 41.39	0.037	03	0.16	8.203	06	05.2	43.13	06	02.8	K0	GC	22815	B*-16 4371
72		9.0A	53 24.699	0.0008	21	-15 16 46.52	0.014	15	0.34	24.686	18	33.6	46.75	16	33.6	K5 J	12A	6053	A -15 4409
73		8.8A	53 35.168	0.0017	18	-15 24 27.44	-0.001	13	0.31	35.140	18	33.6	27.42	16	33.6	M2 J	12A	6054	A -15 4410
74		8.4A	53 40.710	-0.0030	20	-18 3 16.76	-0.031	15	0.33	40.759	18	33.6	16.25	16	33.6	A0 J	12B	6907	A -17 4663
75		8.8A	53 48.656	0.0001	21	-15 51 55.87	-0.032	15	0.34	48.654	18	33.6	55.34	16	33.6	K5 J	12A	6056	A -15 4412
76		9.4A	53 50.569	-0.0058	21	-14 39 24.11	-0.013	15	0.34	50.664	18	33.6	23.89	16	33.6	G	12A	6057	A -14 4504
77		8.8A	53 58.302	0.0006	15	-10 52 27.36	0.047	17	0.31	58.292	18	33.6	28.12	16	33.6	F8 J	11	5807	A -10 4413
78		9.3A	54 2.249	-0.0010	21	-15 27 7.87	0.004	15	0.34	2.265	18	33.6	7.94	16	33.6	A0 J	12A	6058	A -15 4414
79		8.3G	54 7.084	-0.0033	11	-19 27 49.78	-0.046	11	0.58	7.245	17	00.6	47.44	18	99.6		GC	22834K	-19 4471
80		6.1T	54 7.488	-0.0008	03	-19 27 44.87	-0.018	04	0.18	7.522	07	05.2	43.99	09	02.2	B8	GC	22835K	-19 4471
81		9.0A	54 8.858	-0.0012	15	-13 7 10.83	-0.016	17	0.31	8.877	18	33.6	10.57	16	33.6	F8 J	11	5808	A -12 4622
82		9.0A	54 12.625	0.0020	21	-17 51 1.80	-0.013	15	0.34	12.592	18	33.6	1.58	16	33.6	K0 J	12A	6059	A -17 4665
83		8.8A	54 13.973	-0.0034	21	-17 44 24.60	-0.173	15	0.34	14.061	18	33.6	21.76	16	33.6	G0 J	12A	6060	A -17 4667
84		9.0A	54 31.059	-0.0003	17	-19 48 33.10	-0.003	13	0.30	31.063	18	33.6	33.05	16	33.6	M2 J	12B	6911	A -19 4473
85		8.2A	54 39.550	-0.0015	15	-12 9 29.37	0.035	17	0.31	39.571	18	33.6	29.95	16	33.6	G5 J	11	5809	A -12 4623
86		6.2T	54 39.882	0.0012	11	-10 53 7.56	-0.084	09	0.50	39.825	17	03.4	3.44	17	01.0	G5	GC	22848	-10 4417
87		8.7A	54 42.720	-0.0015	13	-12 36 33.64	-0.026	15	0.29	42.745	18	33.6	33.21	16	33.6	K5 J	11	5811	A -12 4625
88		9.1A	54 45.216	-0.0004	18	-18 6 20.20	0.011	12	0.30	45.223	18	33.6	20.38	16	33.6	A3 J	12B	6913	A -17 4670
89		9.4A	54 50.243	-0.0014	21	-15 44 8.77	0.006	15	0.34	50.265	18	33.6	8.87	16	33.6	A0 J	12A	6062	A -15 4417
90		8.3A	54 56.642	-0.0008	20	-19 42 54.42	-0.047	15	0.33	56.654	18	33.6	53.64	16	33.6	M3 J	12B	6915	A -19 4474
91		9.0A	55 3.724	-0.0018	15	-11 53 8.52	-0.037	15	0.30	3.753	18	33.6	7.91	16	33.6	G0 J	11	5812	A -11 4247
92		9.3A	55 10.647	-0.0027	21	-14 45 20.46	-0.012	15	0.34	10.691	18	33.6	20.26	16	33.6	F8 J	12A	6063	A -14 4506
93		7.3A	55 14.721	0.0013	15	-12 0 26.84	-0.068	17	0.31	14.700	18	33.6	25.72	16	33.6	F5 J	11	5814	A -11 4249
94		9.0A	55 17.463	-0.0007	17	-19 9 7.32	0.014	13	0.30	17.474	18	33.6	7.54	16	33.6	B0 J	12B	6919	A -18 4365
95		7.3T	55 19.260	-0.0014	18	-14 17 46.52	0.013	18	0.91	19.327	26	02.3	47.15	24	01.9	K2	GC	22864	-14 4507
96		9.0A	55 20.141	-0.0011	21	-17 46 54.69	-0.028	15	0.34	20.160	18	33.6	54.23	16	33.6	K0 J	12A	6064	A -17 4671
97		8.0A	55 26.524	-0.0008	15	-10 28 10.53	-0.002	17	0.31	26.536	18	33.6	10.50	16	33.6	K0 J	11	5816	A -10 4418
98		9.2A	55 26.886	-0.0013	21	-17 23 32.36	-0.027	15	0.34	26.908	18	33.6	31.92	16	33.6	A5 J	12A	6066	A -17 4672
99		9.1A	55 29.654	-0.0016	13	-12 33 9.37	-0.045	15	0.29	29.680	18	33.6	8.63	16	33.6	G5 J	11	5817	A -12 4627
00		8.9A	55 34.093	0.0001	15	-13 18 12.26	-0.052	17	0.31	34.092	18	33.6	11.41	16	33.6	M0 J	11	5818	A -13 4526

160200

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	σ_μ ″.001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	CAT.	STAR NUMBER	SOURCE
1		8.9A	16 55 34.362	-0.0018	17	-14 41 42.56	-0.045	12	0.29	34.391	18	33.6	41.82	16	33.6	A5 J	12A	6068	A -14 4508
2		8.7A	55 37.188	-0.0130	20	-18 17 31.16	-0.109	15	0.33	37.402	18	33.6	29.37	16	33.6	K0 J	12B	6921	A -18 4367
3		8.3A	55 41.290	0.0009	17	-19 19 46.22	-0.059	12	0.29	41.275	18	33.6	45.25	16	33.6	G5 J	12B	6922	A -19 4480
4		9.8A	55 44.185	-0.0027	21	-17 58 29.65	0.015	15	0.34	44.229	18	33.6	29.90	16	33.6	A3 J	12A	6069	A -17 4673
5		6.5T	55 50.752	-0.0000	11	-14 47 38.28	-0.025	08	0.59	50.753	17	92.6	36.78	15	80.4	F2	GC	22875	-14 4509
6		8.0B	56 6.082	-0.0016	12	-15 44 10.71	-0.058	09	0.51	6.134	09	04.5	7.96	10	02.7	G0	GC	22880	-15 4420
7		8.8A	56 8.538	0.0057	21	-14 57 8.70	-0.055	15	0.34	8.445	18	33.6	7.79	16	33.6	G5 J	12A	6072	A -14 4510
8		8.7A	56 19.977	-0.0000	20	-19 21 15.92	-0.027	15	0.33	19.977	18	33.6	15.47	16	33.6	G5 J	12B	6926	A -19 4484
9		8.8A	56 25.218	0.0007	21	-16 49 40.37	-0.007	15	0.34	25.206	18	33.6	40.26	16	33.6	F0 J	12A	6073K	A -16 4386
10		9.2A	56 26.263	0.0005	20	-19 54 55.19	0.010	15	0.33	26.255	18	33.6	55.35	16	33.6	G0 J	12B	6927	A -19 4486
11		8.6A	56 28.942	-0.0013	20	-18 41 47.20	0.008	15	0.33	28.962	18	33.6	47.32	16	33.6	A0 J	12B	6928	A -18 4370
12		9.0A	56 29.294	-0.0026	15	-11 58 48.41	-0.024	17	0.31	29.336	18	33.6	48.02	16	33.6	G0 J	11	5821	A -11 4258
13		9.0A	56 30.658	0.0009	21	-14 39 37.74	0.028	15	0.34	30.643	18	33.6	38.20	16	33.6	F0 J	12A	6075	A -14 4512
14		8.0T	56 30.993	0.0028	09	-15 59 23.02	-0.023	07	0.43	30.854	17	00.8	21.73	15	94.2	K5	GC	22891	-15 4421
15		9.0A	56 37.919	-0.0004	18	-15 43 2.59	-0.030	13	0.31	37.926	18	33.6	2.10	16	33.6	K0 J	12A	6076	A -15 4422
16		6.5T	56 49.416	-0.0019	05	-18 10 20.67	-0.148	05	0.28	49.512	10	98.8	12.75	12	96.4	G0	GC	22896	-18 4372
17		9.4A	57 3.830	-0.0022	15	-12 56 2.80	0.102	15	0.30	3.867	18	33.6	4.47	16	33.6	G5 J	11	5822	A -12 4634
18		8.9A	57 9.588	-0.0031	21	-16 3 28.56	-0.019	15	0.34	9.639	18	33.6	28.25	16	33.6	K2 J	12A	6078	A -15 4424
19		8.6A	57 15.056	-0.0012	21	-16 34 17.14	-0.005	15	0.34	15.076	18	33.6	17.06	16	33.6	K2 J	12A	6079	A -16 4389
20		9.0A	57 16.214	-0.0013	20	-18 36 49.03	-0.007	15	0.33	16.234	18	33.6	48.91	16	33.6	A0 J	12B	6934	A -18 4375
21		8.8B	57 19.560	-0.0010	10	-18 8 25.85	-0.006	08	0.46	19.604	18	05.1	25.57	17	01.4	F2	GC	22913	-17 4677
22		8.5A	57 22.684	-0.0008	17	-19 5 42.13	0.007	13	0.30	22.697	18	33.6	42.24	16	33.6	K5 J	12B	6937	A -18 4376
23		8.8A	57 24.945	-0.0011	15	-11 40 38.63	0.032	17	0.31	24.964	18	33.6	39.15	16	33.6	M0 J	11	5824	A -11 4268
24		9.0A	57 54.414	-0.0030	21	-15 36 23.65	-0.021	15	0.34	54.463	18	33.6	23.31	16	33.6	F8 J	12A	6081	A -15 4425
25		9.2A	58 7.628	-0.0006	21	-16 7 54.90	0.009	15	0.34	7.638	18	33.6	55.05	16	33.6	K5 J	12A	6082	A -15 4427
26		8.7A	58 17.546	0.0004	21	-17 16 22.76	-0.036	15	0.34	17.540	18	33.6	22.17	16	33.6	B9 J	12A	6083	A -17 4685
27		6.9T	58 21.517	-0.0016	07	-13 29 25.47	-0.323	09	0.37	21.607	12	93.8	6.38	10	90.9	G0	GC	22934	-13 4528
28		9.1A	58 25.855	-0.0004	13	-12 8 41.14	0.021	15	0.29	25.862	18	33.6	41.49	16	33.6	G0 J	11	5827K	A -12 4641
29		9.0A	58 28.420	-0.0005	13	-12 55 54.39	-0.053	15	0.29	28.428	18	33.6	53.52	16	33.6	A2 J	11	5828	A -12 4640
30		8.4A	58 29.021	0.0009	20	-18 51 49.37	0.009	15	0.33	29.006	18	33.6	49.51	16	33.6	K5 J	12B	6943	A -18 4379
31		6.4T	58 55.512	-0.0028	03	-18 48 49.48	-0.020	03	0.15	55.648	06	00.9	48.46	06	00.0	K0	GC	22951	B+-18 4381
32		8.8A	59 3.132	0.0017	15	-13 18 1.96	-0.025	17	0.31	3.104	18	33.6	1.55	16	33.6	F0 J	11	5829	A -13 4531
33		9.0A	59 7.521	-0.0035	20	-19 8 15.57	-0.003	15	0.33	7.577	18	33.6	15.52	16	33.6	F5 J	12B	6949	A- -18 4382
34		9.1A	59 19.606	0.0003	15	-12 22 48.63	-0.031	17	0.31	19.601	18	33.6	48.12	16	33.6	F2 J	11	5830	A -12 4643
35		9.6A	59 21.112	-0.0029	21	-16 18 44.20	-0.035	15	0.34	21.161	18	33.6	43.63	16	33.6	G0 J	12A	6085	A -16 4396
36		9.2A	59 25.564	0.0010	15	-11 41 2.67	-0.028	17	0.31	25.548	18	33.6	2.21	16	33.6	K7 J	11	5831	A -11 4278
37		9.2A	59 32.023	0.0003	21	-16 4 52.29	-0.002	15	0.34	32.019	18	33.6	52.25	16	33.6	K5 J	12A	6086	A -15 4431
38		8.6A	59 35.915	-0.0092	15	-11 49 22.75	0.016	17	0.31	36.066	18	33.6	23.02	16	33.6	K0 J	11	5832	A -11 4280
39		7.5A	59 36.487	-0.0019	15	-10 52 52.92	0.023	17	0.31	36.517	18	33.6	53.30	16	33.6	K0 J	11	5833	A -10 4425
40		9.2A	59 38.684	0.0019	15	-11 49 47.56	-0.041	17	0.31	38.654	18	33.6	46.89	16	33.6	F8 J	11	5834	A -11 4281
41		8.8A	59 54.954	-0.0002	15	-12 28 52.77	0.023	17	0.31	54.958	18	33.6	53.15	16	33.6	F8 J	11	5835	A -12 4646
42		9.2A	17 0 14.749	-0.0027	21	-15 48 7.53	-0.022	15	0.34	14.793	18	33.6	7.16	16	33.6	A0 J	12A	6087	A -15 4435
43		9.0A	0 22.665	-0.0009	21	-16 29 5.15	-0.013	15	0.34	22.679	18	33.6	4.94	16	33.6	G0 J	12A	6088	A -16 4398
44		8.2B	0 22.748	-0.0035	12	-19 25 17.95	-0.041	11	0.58	22.902	18	05.6	15.95	18	01.7	K0	GC	22989	-19 4499
45		9.2A	0 36.382	-0.0016	21	-15 36 58.65	-0.006	15	0.34	36.409	18	33.6	58.55	16	33.6	F5 J	12A	6089	A -15 4437
46		9.2A	0 39.613	-0.0016	21	-14 32 41.31	0.009	15	0.34	39.639	18	33.6	41.45	16	33.6	F0 J	12A	6090	A -14 4527
47		8.6A	0 42.186	-0.0002	20	-18 51 27.25	0.033	15	0.33	42.169	18	33.6	27.79	16	33.6	K0 J	12B	6959	A -18 4391
48		8.7A	0 47.749	0.0005	18	-15 47 47.49	-0.007	13	0.31	47.741	18	33.6	47.38	16	33.6	A2 J	12A	6091	A -15 4438
49		8.1A	0 57.942	-0.0009	15	-12 47 35.30	-0.017	15	0.30	57.957	18	33.6	35.02	16	33.6	A0 J	11	5836	A -12 4651
50		9.2A	1 1.745	-0.0007	21	-14 12 49.91	-0.022	15	0.34	1.756	18	33.6	49.55	16	33.6	G0 J	12A	6092	A -14 4528
51		8.8A	17 1 11.281	-0.0166	21	-16 7 25.81	0.015	15	0.34	11.534	18	33.6	26.06	16	33.6	G5 J	12A	6093	A -15 4439
52		9.0A	1 15.318	0.0008	21	-14 51 33.82	0.006	15	0.34	15.305	18	33.6	33.90	16	33.6	A2 J	12A	6094	A -14 4531
53		8.7A	1 21.588	0.0028	21	-17 13 3.94	-0.006	15	0.34	21.543	18	33.6	3.84	16	33.6	G5 J	12A	6095	A -17 4697
54		9.1A	1 25.359	-0.0019	17	-18 35 15.52	-0.016	12	0.29	25.390	18	33.6	15.25	16	33.6	A2 J	12B	6965	A -18 4397
55		8.3A	1 31.988	-0.0005	20	-18 4 13.09	0.014	15	0.33	31.996	18	33.6	13.32	16	33.6	F2 J	12B	6966	A -17 4698
56		9.2A	1 32.423	0.0033	21	-17 16 0.01	-0.038	15	0.34	32.369	18	33.6	59.39	16	33.6	G0 J	12A	6097	A -17 4699
57		7.2T	1 35.225	0.0024	11	-17 25 19.59	-0.112	08	0.49	35.108	15	01.6	13.78	15	98.1	G5	GC	23021	-17 4700
58		8.9A	1 37.139	-0.0014	21	-13 59 29.76	-0.016	15	0.34	37.162	18	33.6	29.50	16	33.6	A0 J	12A	6101	A -13 4536
59		9.4A	1 39.063	-0.0023	18	-16 28 21.39	0.029	13	0.31	39.100	18	33.6	21.87	16	33.6	A0 J	12A	6099	A -16 4411
60		9.2A	1 39.814	0.0030	21	-16 42 4.27	-0.023	15	0.34	39.765	18	33.6	3.89	16	33.6	G0 J	12A	6100	A -16 4410
61		7.0T	1 41.431	-0.0026	13	-12 36 23.62	-0.062	15	0.69	41.554	19	02.3	20.73	18	03.4	K0	GC	23027K	-12 4655
62		9.0A	1 45.460	-0.0017	21	-14 30 8.98	0.008	15	0.34	45.487	18	33.6	9.11	16	33.6	F0 J	12A	6103	A -14 4535
63		9.0A	1 46.904	-0.0011	21	-16 47 12.42	-0.009	15	0.34	46.923	18	33.6	12.27	16	33.6	K0 J	12A	6102	A -16 4412
64		7.1T	1 46.958	-0.0009	04	-11 1 11.41	-0.012	04	0.23	47.003	10	98.2	10.75	10	94.8	K0	GC	23033	B+-10 4436
65		8.6A	1 53.487	0.0015	18	-17 53 20.90	-0.007	13	0.31	53.462	18	33.6	20.79	16	33.6	A2 J	12A	6104	A -17 4703
66		9.2A	2 8.011	0.0009	21	-15 16 20.83	-0.008	15	0.34	7.996	18	33.6	20.70	16	33.6	K5 J	12A	6105	A -15 4444
67		8.8A	2 11.738	0.0011	21	-15 11 56.59	0.002	15	0.34	11.720	18	33.6	56.62	16	33.6	K5 J	12A	6106	A -15 4445
68		9.0A	2 14.304	-0.0038	21	-14 5 57.37	-0.016	15	0.34	14.366	18	33.6	57.07	16	33.6	K7 J	12A	6108	A -13 4540
69		8.8A	2 14.330	0.0005	21	-14 39 0.76	0.005	15	0.34	14.323	18	33.6	0.84	16	33.6	A0 J	12A	6107	A -14 4538
70		8.3A	2 53.416	-0.0000	20	-18 2 56.29	0.019	15	0.33	53.416	18	33.6	56.60	16	33.6	B8 J	12B	6975	A -17 4705
71		9.2A	2 56.739	-0.0022	21	-14 17 51.35	-0.010	15	0.34	56.775	18	33.6	51.19	16	33.6	F8 J	12A	6110K	A -14 4540
72		8.8A	3 5.647	-0.0007	15	-11 14 26.80	0.011	17	0.31	5.659	18	33.6	26.98	16	33.6	A2 J	11	5845	A -11 4293
73		9.0A	3 6.142	-0.0023	18	-19 43 12.38	0.019	13	0.31	6.179	18	33.6	12.69	16	33.6	G5 J	12B	6976	A -19 4519
74		9.0A	3 7.291	-0.0010	15	-13 36 34.94	-0.016	15	0.30	7.307	18	33.6	34.68	16	33.6	A0 J	11	5844	A -13 4542
75		9.2A	3 12.525	-0.0005	21	-14 16 26.36	-0.017	15	0.34	12.533	18	33.6	26.08	16	33.6	K0 J	12A	6111	A -14 4542
76		9.2A	3 21.397	0.0023	21	-17 52 42.46	0.006	15	0.34	21.359	18	33.6	42.56	16	33.6	K2 J	12A	6112	A -17 4709
77		9.4A	3 29.572	-0.0015	21	-15 22 26.27	-0.038	15	0.34	29.596	18	33.6	25.64	16	33.6	F8 J	12A	6113	A -15 4449
78		8.7A	3 32.402	0.0021	15	-12 25 29.72	-0.015	17	0.31	32.368	18	33.6	29.48	16	33.6	K J	11	5847	A -12 4661
79		7.8T	3 34.018	-0.0005	09	-12 20 42.28	0.027	07	0.49	34.043	18	97.2	43.76	18	94.7	F2	GC	23075	-12 4662
80		7.4T	3 39.589	-0.0001	07	-13 52 6.61	-0.070	08	0.39	39.595	17	99.0	2.59	15	92.5	F8	GC	23077	-13 4543
81		7.4A	3 43.460	-0.0023	15	-10 44 24.38	-0.016	17	0.31	43.497	18	33.6	24.11	16	33.6	A0 J	11	5850	A -10 4440
82		9.0A	3 50.515	0.0002	15	-11 42 25.40	-0.003	17	0.31	50.512	18	33.6	25.36	16	33.6	G5 J	11	5851	A -11 4296
83		8.8A	3 59.181	-0.0004	15	-19 32 48.79	0.004	12	0.28	59.188	18	33.6	48.85	16	33.6	A0 J	12B	6981	A -19 4522
84		9.2A	4 1.572	-0.0005	21	-16 22 37.96	-0.019	15	0.34	1.581	18	33.6	37.65	16	33.6	A0 J	12A	6114	A -16 4416
85		8.9A	4 4.941	-0.0022	18	-16 39 8.91	-0.022	13	0.31	4.976	18	33.6	8.55	16	33.6	K5 J	12A	6115	A -16 4417
86		8.3A	4 13.344	-0.0002	20	-18 28 17.55	0.023	15	0.33	13.347	18	33.6	17.93	16	33.6	G5 J	12B	6984	A -18 4413
87		9.2A	4 14.997	-0.0018	21	-16 19 33.53	0.002	15	0.34	15.026	18	33.6	33.56	16	33.6	K7 J	12A	6116	A -16 4420
88		9.0A	4 17.028	0.0025	17	-12 58 19.74	0.029	18	0.33	16.987	18	33.6	20.21	16	33.6	G5 J	11	5852	A -12 4664
89		7.8A	4 30.488	0.0003	17	-19 13 19.16	-0.009	12	0.29	30.482	18	33.6	19.01	16	33.6	K0 J	12B	6985	A -19 4527
90		8.7A	4 32.150	-0.0001	17	-13 40 32.76	0.022	18	0.33	32.152	18	33.6	33.12	16	33.6	F5 J	11	5853	A -13 4544
91		9.1A	4 33.493	-0.0011	15	-12 7 6.43	-0.024	18	0.32	33.511	18	33.6	6.04	16	33.6	K0 J	11	5854	A -11 4299
92		9.4A	4 41.471	-0.0004	21	-17 20 54.89	-0.007	15	0.34	41.479	18	33.6	54.78	16	33.6	G0 J	12A	6117	A -17 4713
93		8.4A	4 42.153	0.0005	18	-12 40 37.52	-0.057	20	0.35	42.145	18	33.6	36.58	16	33.6	G0 J	11	5855	A -12 4665
94		9.4A	4 45.426	0.0000	21	-14 4 40.51	-0.055	15	0.34	45.426	18	33.6	39.61	16	33.6	G5 J	12A	6118	A -13 4545
95		8.7A	4 47.349	0.0035	15	-10 46 48.14	-0.005	17	0.31	47.292	18	33.6	48.06	16	33.6	G0 J	11	5857	A -10 4442
96		8.1A	4 48.269	0.0005	18	-19 8 25.53	-0.049	13	0.31	48.261	18	33.6	24.72	16	33.6	K2 J	12B	6987	A -19 4528
97		8.4A	4 48.842	0.0007	20	-18 29 37.63	0.035	15	0.33	48.831	18	33.6	38.21	16	33.6	K0 J	12B	6988	A -18 4418
98		9.0A	4 49.891	0.0005	15	-12 16 52.74	-0.011	17	0.31	49.884	18	33.6	52.56	16	33.6	F2 J	11	5858	A -12 4668
99		6.0I	4 53.429	-0.0014	08	-16 1 39.54	-0.012	08	0.48	53.505	18	92.2	38.86	18	93.6	M5E	GC	23105V	B+-15 4455
00		9.0A	4 59.113	-0.0027	21	-17 18 26.20	-0.054	15	0.34	59.158	18	33.6	25.31	16	33.6	G5 J	12A	6120	A -17 4714

-10° 16H

160300			EPOCH 1950							ORIGINAL EPOCH							SP.		SOURCE		-10° 17H
NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	σ'_μ ″.001	σ_{1950} ″	α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.		CAT.	STAR NUMBER	DM NUMBER
1		8.9A	17 4 59.286	0.0006	21	-14 37 39.66	0.010	15	0.34	59.277	18	33.6	39.82	16	33.6	KO J	12A	6121	A -14 4550
2		9.0A	5 4.247	0.0011	21	-15 42 29.35	0.003	15	0.34	4.228	18	33.6	29.40	16	33.6	K2 J	12A	6123	A -15 4456
3		9.3A	5 5.848	-0.0026	20	-17 58 25.26	-0.009	15	0.33	5.891	18	33.6	25.11	16	33.6	G5 J	12B	6989	A -17 4715
4		9.1A	5 19.569	-0.0023	20	-19 44 10.20	-0.010	15	0.33	19.606	18	33.6	10.04	16	33.6	F8 J	12B	6991K	A -19 4533
5		6.1H	5 20.460	0.0003	02	-17 32 40.25	-0.034	02	0.06	20.451	04	20.5	39.33	04	22.6	K0	F4	1449	-17 4717
6		9.2A	5 20.535	-0.0043	21	-14 11 10.24	-0.024	15	0.34	20.606	18	33.6	9.84	16	33.6	A3 J	12A	6125	A -14 4551
7		8.6A	5 23.764	0.0002	20	-18 18 50.51	-0.019	15	0.33	23.760	18	33.6	50.20	16	33.6	A0 J	12B	6992	A -18 4423
8		8.6A	5 31.784	0.0021	21	-16 59 2.07	0.008	15	0.34	31.748	18	33.6	2.20	16	33.6	K5 J	12A	6127	A -16 4422
9		8.8A	5 31.998	0.0002	21	-18 6 21.58	0.002	15	0.34	31.995	18	33.6	21.61	16	33.6	A0 J	12A	6126	A -17 4718
10		7.6T	5 37.659	-0.0043	11	-11 58 10.44	-0.007	08	0.48	37.860	17	02.8	10.07	15	98.2	F8	GC	23119	-11 4304
11		8.9A	5 56.392	-0.0014	17	-19 36 46.86	-0.014	13	0.30	56.415	18	33.6	46.62	16	33.6	A0 J	12B	6995	A -19 4538
12		7.5A	5 59.349	-0.0021	17	-13 3 48.23	0.027	18	0.33	59.385	18	33.6	48.67	16	33.6	K2 J	11	5861	A -12 4670
13		8.4A	6 7.846	-0.0007	18	-16 50 21.73	-0.066	13	0.31	7.858	18	33.6	20.65	16	33.6	F0 J	12A	6128	A -16 4425
14		9.0A	6 7.996	-0.0011	18	-11 25 3.26	-0.012	20	0.35	8.014	18	33.6	3.06	16	33.6	A0 J	11	5862	A -11 4305
15		8.4G	6 10.216	0.0006	10	-17 30 21.60	-0.002	07	0.44	10.188	17	04.8	21.51	15	99.7	A0	GC	23130	-17 4724
16		8.1A	6 11.831	0.0002	20	-19 37 2.40	-0.021	15	0.33	11.827	18	33.6	2.05	16	33.6	K0 J	12B	6996	A -19 4540
17		8.4A	6 12.322	-0.0010	15	-18 11 35.12	-0.003	12	0.28	12.338	18	33.6	35.07	16	33.6	A2 J	12B	6997K	A -18 4427
18		9.0A	6 14.369	-0.0002	20	-19 1 22.46	-0.019	15	0.33	14.372	18	33.6	22.14	16	33.6	K2 J	12B	6998	A -18 4428
19		9.2A	6 17.023	-0.0007	21	-14 12 40.45	0.017	15	0.34	17.035	18	33.6	40.73	16	33.6	F8 J	12A	6131	A -14 4555
20		8.4A	6 21.864	-0.0007	21	-15 15 14.28	0.009	15	0.34	21.876	18	33.6	14.43	16	33.6	A0 J	12A	6132	A -15 4460
21		9.3A	6 28.462	-0.0034	21	-15 8 22.04	0.023	15	0.34	28.518	18	33.6	22.42	16	33.6	F5 J	12A	6133	A -15 4462
22		9.4A	6 30.112	-0.0020	21	-15 46 11.31	-0.002	15	0.34	30.145	18	33.6	11.27	16	33.6	A5 J	12A	6134	A -15 4463
23		8.7A	6 57.604	-0.0009	21	-16 15 2.35	-0.028	15	0.34	57.617	18	33.6	1.88	16	33.6	K0 J	12A	6135	A -16 4426
24		5.6H	7 1.923	0.0036	03	-10 27 34.86	-0.109	03	0.07	1.858	05	32.2	32.76	06	30.6	F5	F4	1450	-10 4445
25		8.9A	7 5.799	-0.0006	21	-17 57 10.85	-0.003	15	0.34	5.809	18	33.6	10.80	16	33.6	G0 J	12A	6136K	A -17 4731
26		6.9T	7 18.182	-0.0004	09	-19 22 27.97	0.012	07	0.41	18.199	10	02.9	28.55	12	00.0	B8	GC	23151	-19 4547
27		8.8A	7 19.658	0.0030	21	-16 6 33.25	-0.128	15	0.34	19.610	18	33.6	31.15	16	33.6	G0 J	12A	6137	A -15 4466
28		8.9A	7 22.847	-0.0008	20	-18 51 51.66	-0.006	15	0.33	22.860	18	33.6	51.56	16	33.6	G5 J	12B	7006	A -18 4435
29		8.6A	7 23.466	0.0004	18	-13 47 54.81	-0.054	20	0.35	23.460	18	33.6	53.92	16	33.6	G0 J	11	5867	A -13 4553
30		9.1A	7 27.921	-0.0018	20	-19 26 57.92	-0.003	00	0.28	27.951	18	33.6	57.87	16	33.6	A3 J	12B	7008	A -19 4549
31		8.9A	7 28.964	-0.0002	17	-10 54 18.41	0.032	18	0.33	28.966	18	33.6	18.94	16	33.6	K5 J	11	5868	A -10 4446
32		2.6M	7 30.461	0.0026	01	-15 39 52.89	0.095	01	0.06	30.326	02	97.8	57.76	02	98.5	A2 J	F3	637D	*
33		8.9A	7 43.073	0.0011	20	-13 39 16.93	-0.024	20	0.36	43.054	18	33.6	16.53	16	33.6	K0 J	11	5869	A -13 4558
34		9.0A	7 45.494	0.0007	20	-18 41 36.89	0.021	15	0.33	45.481	18	33.6	37.23	16	33.6	B9 J	12B	7010	A -18 4437
35		8.5A	7 50.470	-0.0017	15	-10 48 55.37	-0.016	17	0.31	50.499	18	33.6	55.11	16	33.6	F5 J	11	5870	A -10 4447
36		9.2A	7 52.809	0.0010	21	-16 17 38.53	-0.011	15	0.34	52.792	18	33.6	38.35	16	33.6	F8 J	12A	6139	A -16 4431
37		6.7T	7 55.053	-0.0029	12	-12 38 22.69	-0.055	12	0.71	55.214	18	94.5	19.71	19	96.0	A3	GC	23170	-12 4678
38		9.1A	7 55.774	-0.0025	21	-15 21 18.53	-0.017	15	0.34	55.814	18	33.6	18.25	16	33.6	A0 J	12A	6140	A -15 4469
39		9.0A	7 58.695	-0.0005	20	-19 2 55.13	-0.025	15	0.33	58.703	18	33.6	55.53	16	33.6	K5 J	12B	7011	A -18 4438
40		8.2A	8 8.380	-0.0017	18	-16 34 23.67	-0.065	13	0.31	8.407	18	33.6	22.60	16	33.6	K0 J	12A	6141	A -16 4434
41		9.3A	8 11.083	-0.0027	20	-18 5 51.40	-0.015	15	0.33	11.127	18	33.6	51.16	16	33.6	A0 J	12B	7014	A -17 4737
42		9.0A	8 14.737	0.0009	21	-15 9 26.14	-0.004	15	0.34	14.722	18	33.6	26.07	16	33.6	F2 J	12A	6144	A -15 4473
43		9.2A	8 15.364	0.0000	21	-15 35 56.51	-0.007	15	0.34	15.364	18	33.6	56.40	16	33.6	A0 J	12A	6145	A -15 4472
44		9.0A	8 16.003	0.0009	21	-17 38 53.39	-0.002	15	0.34	15.988	18	33.6	53.36	16	33.6	K2 J	12A	6143	A -17 4738
45		9.1A	8 26.904	-0.0005	21	-15 33 17.10	-0.007	15	0.34	26.911	18	33.6	16.99	16	33.6	F5 J	12A	6146	A -15 4474
46		8.9A	8 29.411	-0.0013	12	-10 2 23.65	-0.001	12	0.25	29.432	16	33.6	23.63	16	33.6	G5	16	5856	A -9 4510
47		8.6A	8 36.553	-0.0013	18	-16 25 53.93	0.006	13	0.31	36.574	18	33.6	54.03	16	33.6	A3 J	12A	6148K	A -16 4436
48		8.5A	8 37.707	-0.0017	18	-18 17 2.63	-0.093	13	0.31	37.734	18	33.6	1.10	16	33.6	G5 J	12B	7023	A -18 4441
49		8.5A	8 41.879	0.0090	18	-13 8 35.77	-0.043	20	0.35	41.732	18	33.6	35.06	16	33.6	K0 J	11	5874	A -13 4562
50		8.5A	8 53.332	-0.0044	17	-10 34 31.28	0.006	18	0.33	53.404	18	33.6	31.38	16	33.6	F5 J	11	5875	A -10 4449
51		7.3T	17 9 7.913	-0.0010	10	-14 33 37.31	-0.056	09	0.39	7.953	09	10.8	35.17	09	12.0	G0	GC	23194	-14 4565
52		9.4A	9 13.315	0.0017	17	-11 34 44.01	-0.032	18	0.33	13.287	18	33.6	43.49	16	33.6	K2 J	11	5876	A -11 4315
53		9.1A	9 14.079	-0.0012	21	-15 45 6.76	0.003	15	0.34	14.099	18	33.6	6.81	16	33.6	K2 J	12A	6150	A -15 4480
54		8.4A	9 21.338	-0.0000	21	-17 11 12.93	-0.029	15	0.34	21.339	18	33.6	12.45	16	33.6	A0 J	12A	6151	A -17 4742
55		9.0A	9 30.448	-0.0004	17	-19 43 16.98	0.019	13	0.30	30.455	18	33.6	17.29	16	33.6	K0 J	12B	7027	A -19 4558
56		8.2A	9 30.964	-0.0020	15	-18 29 16.69	-0.053	12	0.28	30.996	18	33.6	15.82	16	33.6	K0 J	12B	7028	A -18 4447
57		8.9A	9 33.324	-0.0009	15	-11 33 6.01	-0.003	17	0.31	33.340	18	33.6	5.96	16	33.6	G0 J	11	5877	A -11 4316
58		8.8A	9 34.196	-0.0002	20	-18 4 39.65	-0.003	15	0.33	34.199	18	33.6	39.60	16	33.6	B8 J	12B	7029	A -17 4743
59		8.6A	9 34.247	0.0041	21	-17 32 40.17	-0.009	15	0.34	34.180	18	33.6	40.02	16	33.6	A5 J	12A	6153	A -17 4744
60		9.0A	9 40.662	-0.0019	21	-15 32 50.09	-0.045	15	0.34	40.692	18	33.6	49.35	16	33.6	F8 J	12A	6155	A -15 4482
61		9.0A	9 42.142	0.0002	21	-17 55 40.59	0.004	15	0.34	42.139	18	33.6	40.66	16	33.6	F8 J	12A	6154	A -17 4745
62		8.8A	9 43.616	-0.0010	21	-15 6 16.09	-0.009	15	0.34	43.632	18	33.6	15.93	16	33.6	B9 J	12A	6156	A -14 4568
63		8.8A	9 44.719	-0.0057	20	-18 29 46.85	-0.014	15	0.33	44.812	18	33.6	46.62	16	33.6	A2 J	12B	7031	A -18 4450
64		8.2A	9 45.487	0.0063	12	-10 13 9.42	-0.021	12	0.25	45.383	16	33.6	9.07	16	33.6	G0	16	5861	A -10 4453
65		9.0A	9 47.072	-0.0011	18	-17 32 1.10	-0.011	13	0.31	47.089	18	33.6	0.92	16	33.6	F8 J	12A	6157	A -17 4746
66		8.9A	9 59.057	-0.0019	18	-15 18 49.63	-0.021	13	0.31	59.088	18	33.6	49.29	16	33.6	A3 J	12A	6158	A -15 4485
67		8.8A	10 5.415	0.0001	20	-19 7 3.12	-0.018	15	0.33	5.414	18	33.6	2.82	16	33.6	K2 J	12B	7033	A -18 4451
68		9.0A	10 5.467	-0.0009	18	-16 27 21.68	-0.016	13	0.31	5.483	18	33.6	21.42	16	33.6	A5 J	12A	6159	A -16 4443
69		9.2A	10 6.332	0.0015	21	-14 16 41.75	0.003	15	0.34	6.308	18	33.6	41.80	16	33.6	F5 J	12A	6160	A -14 4571
70		8.7A	10 6.666	-0.0049	15	-12 42 54.40	-0.083	17	0.31	6.747	18	33.6	53.04	16	33.6	F8 J	11	5880	A -12 4685
71		8.4A	10 14.338	-0.0009	17	-10 37 31.81	0.001	18	0.33	14.354	18	33.6	31.83	16	33.6	K0 J	11	5881	A -10 4456
72		7.6A	10 25.502	-0.0020	15	-12 40 17.90	-0.052	17	0.31	25.535	18	33.6	17.05	16	33.6	G5 J	11	5883	A -12 4686
73		8.8A	10 27.737	0.0021	20	-18 41 2.18	0.001	15	0.33	27.703	18	33.6	2.19	16	33.6	G0 J	12B	7036	A -18 4454
74		9.1A	10 29.429	0.0048	18	-12 52 6.59	0.037	20	0.35	29.351	18	33.6	7.20	16	33.6	F8 J	11	5884	A -12 4688
75		9.0A	10 30.617	-0.0009	20	-19 52 11.17	0.016	15	0.33	30.631	18	33.6	11.43	16	33.6	K7 J	12B	7037	A -19 4560
76		9.1A	10 37.599	0.0007	21	-15 33 57.58	-0.003	15	0.34	37.588	18	33.6	57.53	16	33.6	K0 J	12A	6162	A -15 4486
77		9.2A	10 38.014	-0.0006	21	-15 12 22.53	-0.017	15	0.34	38.023	18	33.6	22.24	16	33.6	A3 J	12A	6163	A -15 4487
78		8.4A	10 41.582	-0.0009	20	-18 28 41.92	-0.006	12	0.32	41.597	18	33.6	41.82	16	33.6	K0 J	12B	7038	A -18 4456
79		9.1A	10 43.008	-0.0033	20	-19 29 24.39	0.003	15	0.33	43.061	18	33.6	24.44	16	33.6	F0 J	12B	7039	A -19 4562
80		6.8T	10 44.846	-0.0014	15	-15 30 8.83	-0.020	12	0.77	44.919	22	97.3	7.70	19	94.0	A3	GC	23236	-15 4488
81		8.1A	10 44.962	0.0008	20	-18 55 11.26	-0.033	15	0.33	44.948	18	33.6	10.72	16	33.6	A3 J	12B	7040	A -18 4457
82		9.1A	10 45.696	-0.0025	15	-11 12 49.09	0.006	15	0.30	45.737	18	33.6	49.19	16	33.6	G5 J	11	5886	A -11 4321
83		8.6A	10 48.223	-0.0006	12	-10 12 14.81	0.010	12	0.25	48.233	16	34.0	14.97	16	34.0	K5	16	5863	A -10 4460
84		9.3A	10 54.086	0.0003	21	-16 10 28.78	-0.032	15	0.34	54.082	18	33.6	28.26	16	33.6	A2 J	12A	6165	A -16 4449
85		8.2A	10 59.405	-0.0028	20	-18 9 39.69	-0.006	15	0.33	59.451	18	33.6	39.59	16	33.6	A3 J	12B	7042	A -18 4459
86		9.1A	11 4.769	-0.0034	18	-15 32 29.82	-0.066	13	0.31	4.826	18	33.6	28.73	16	33.6	G0 J	12A	6167	A -15 4490
87		8.7A	11 5.273	0.0023	15	-13 14 10.75	-0.024	17	0.31	5.236	18	38.6	10.35	16	33.6	F8 J	11	5888	A -13 4569
88		8.9A	11 11.608	0.0036	15	-11 32 18.17	0.061	17	0.31	11.549	18	33.6	19.17	16	33.6	K2 J	11	5889	A -11 4323
89		9.0A	11 11.631	-0.0012	17	-19 12 30.13	-0.012	13	0.30	11.650	18	33.6	29.93	16	33.6	G5 J	12B	7043	A -19 4565
90		8.7A	11 20.331	-0.0050	13	-13 13 25.92	-0.176	17	0.30	20.414	18	33.6	25.03	16	33.6	K0 J	11	5890	A -13 4570
91		9.0A	11 23.192	-0.0032	21	-17 8 4.89	-0.065	15	0.34	23.246	18	33.6	3.82	16	33.6	G0 J	12A	6168	A -17 4752
92		8.2A	11 25.057	-0.0037	21	-15 33 9.53	0.016	15	0.34	25.118	18	33.6	9.79	16	33.6	K2 J	12A	6170	A -15 4491
93		8.7A	11 27.374	-0.0001	21	-17 24 32.45	-0.019	15	0.34	27.376	18	33.6	32.14	16	33.6	B9 J	12A	6169	A -17 4753
94		8.9A	11 31.397	-0.0007	20	-18 30 17.62	-0.015	15	0.33	31.409	18	33.6	17.37	16	33.6	K0 J	12B	7045	A -18 4463
95		8.8A	11 40.471	-0.0003	21	-15 53 58.32	-0.013	15	0.34	40.475	18	33.6	58.11	16	33.6	A0 J	12A	6171	A -15 4492
96		8.8A	11 50.115	0.0013	21	-15 51 26.82	0.013	15	0.34	50.095	18	33.6	27.03	16	33.6	K5 J	12A	6172	A -15 4493
97		8.4A	11 56.158	-0.0004	20	-19 48 25.38	0.013	12	0.32	56.165	18	33.6	25.60	16	33.6	K5 J	12B	7047	A -19 4569
98		9.3A	11 57.725	-0.0020	18	-14 13 9.96	0.033	13	0.31	57.757	18	33.6	10.50	16	33.6	G0 J	12A	6173	A -14 4582
99		8.9A	12 3.739	-0.0008	17	-19 29 10.01	-0.010	13	0.30	3.752	18	33.6	9.84	16	33.6	A0 J	12B	7050	A -19 4570
00		9.3A	12 17.972	-0.0007	18	-13 51 4.54	-0.024	20	0.35	17.983	18	33.6	4.14	16	33.6	K0 J	11	5892	A -13 4572

160400

EPOCH 1950 — ORIGINAL EPOCH — -10° 17H

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	σ'_μ ″.001	σ_{1950} ″	α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.		SOURCE CAT	SOURCE STAR NUMBER	DM NUMBER
1		8.2A	17 12 22.759	-0.0002	18	-14 22 44.02	-0.053	13	0.31	22.762	18	33.6	43.15	16	33.6	F2	J	12A	6174	A -14 4584
2		6.1T	12 29.537	-0.0010	08	-14 31 41.88	-0.004	07	0.29	29.570	10	17.4	41.73	12	13.6	K0		GC	23280K	-14 4585
3		8.8A	12 31.557	-0.0032	13	-13 54 7.88	-0.072	15	0.29	31.609	18	33.6	6.70	16	33.6	G5	J	11	5893	A -13 4573
4		8.6A	12 43.422	0.0019	21	-17 10 20.11	0.024	15	0.34	43.390	18	33.6	20.51	16	33.6	K2	J	12A	6176	A -17 4755
5		8.0A	12 49.026	-0.0003	12	-10 14 33.21	0.026	12	0.25	49.033	16	34.0	33.63	16	34.0	F5		16	5873K	A -10 4462
6		9.3A	13 0.929	-0.0020	21	-15 31 27.55	0.018	15	0.34	0.962	18	33.6	27.84	16	33.6	A5	J	12A	6178	A -15 4495
7		9.1A	13 2.764	0.0026	15	-13 35 43.00	-0.005	17	0.31	2.721	18	33.6	42.92	16	33.6	F2	J	11	5896	A -13 4576
8		9.1A	13 4.334	0.0016	18	-16 44 54.64	-0.038	13	0.31	4.308	18	33.6	54.02	16	33.6	G5	J	12A	6179	A -16 4459
9		8.5A	13 6.816	0.0017	15	-13 26 21.04	0.006	17	0.31	6.789	18	33.6	21.14	16	33.6	A0	J	11	5897	A -13 4577
10		8.4A	13 7.017	-0.0031	21	-16 8 26.69	-0.041	15	0.34	7.069	18	33.6	26.02	16	33.6	F5	J	12A	6180	A -16 4460
11		9.1A	13 16.083	-0.0023	18	-18 58 56.11	0.039	13	0.31	16.120	18	33.6	56.74	16	33.6	F0	J	12B	7057	A -18 4475
12		9.3A	13 19.089	-0.0002	21	-16 12 8.75	0.003	15	0.34	19.092	18	33.6	8.80	16	33.6	A0	J	12A	6181	A -16 4461
13		6.7T	13 24.314	-0.0014	12	-15 10 9.87	0.004	08	0.54	24.376	21	04.2	10.06	18	98.6	K2		GC	23306	B*-15 4502
14		9.0A	13 25.741	-0.0009	21	-16 2 32.03	0.002	15	0.34	25.755	18	33.6	32.06	16	33.6	A0	J	12A	6183	A -15 4501
15		9.0A	13 36.648	-0.0007	18	-18 27 34.53	-0.023	13	0.31	36.659	19	33.6	34.15	16	33.6	K0	J	12B	7061	A -18 4478
16		8.6A	13 47.745	-0.0009	20	-18 4 57.00	-0.013	15	0.33	47.759	18	33.6	56.78	16	33.6	F5	J	12B	7062	A -17 4758
17		9.2A	13 48.479	0.0011	21	-17 5 56.44	0.005	15	0.34	48.462	18	33.6	56.52	16	33.6	F5	J	12A	6186	A -16 4463
18		7.4T	13 49.292	-0.0005	16	-17 51 37.27	-0.043	13	0.69	49.313	09	04.6	35.27	10	03.3	G5		GC	23314	-17 4759
19		8.9A	13 53.464	-0.0009	21	-16 9 49.61	-0.034	15	0.34	53.477	18	33.6	49.05	16	33.6	K0	J	12A	6187	A -16 4464
20		9.0A	14 0.564	0.0021	21	-16 29 44.09	0.015	15	0.34	0.528	18	33.6	44.34	16	33.6	K2	J	12A	6188	A -16 4466
21		9.0A	14 5.585	0.0013	21	-17 55 31.20	0.011	15	0.34	5.563	18	33.6	31.38	16	33.6	F2	J	12A	6189K	A -17 4760
22		8.9A	14 7.318	0.0006	21	-17 36 12.03	-0.010	15	0.34	7.308	18	33.6	11.87	16	33.6	A2	J	12A	6190	A -17 4761
23		9.2A	14 9.641	0.0016	21	-14 12 21.98	0.006	15	0.34	9.615	18	33.6	22.08	16	33.6	K0	J	12A	6191	A -14 4592
24		7.5T	14 11.113	-0.0014	20	-13 2 50.86	0.010	20	0.81	11.169	21	10.2	51.26	21	09.3	G5		GC	23327	-12 4704
25		8.6A	14 11.683	-0.0009	15	-10 50 41.87	-0.004	17	0.31	11.698	18	33.6	41.81	16	33.6	F0	J	11	5900	A -10 4464
26		8.8A	14 15.354	0.0011	13	-12 5 43.19	0.008	13	0.28	15.335	18	33.6	43.32	16	33.6	K2	J	11	5901	A -11 4332
27		8.4A	14 15.982	-0.0012	15	-10 36 29.10	0.004	15	0.30	16.002	18	33.6	29.17	16	33.6	A0	J	11	5902	A -10 4465
28		8.8A	14 28.643	-0.0016	20	-19 3 45.81	-0.016	15	0.33	28.668	18	33.6	45.54	16	33.6	K0	J	12B	7065	A -18 4482
29		9.4A	14 38.213	0.0006	21	-17 49 2.37	0.010	15	0.34	38.203	18	33.6	2.53	16	33.6	B8	J	12A	6192	A -17 4763
30		8.3A	14 40.963	-0.0028	15	-10 47 49.22	0.007	15	0.30	41.008	18	33.6	49.34	16	33.6	F5	J	11	5903	A -10 4467
31		8.8A	14 43.753	0.0023	21	-15 28 34.34	-0.017	15	0.34	43.716	18	33.6	34.06	16	33.6	G5	J	12A	6194	A -15 4507
32		9.2A	14 45.625	0.0015	21	-17 46 34.00	0.006	15	0.34	45.600	18	33.6	34.10	16	33.6	A0	J	12A	6193	A -17 4764
33		8.4A	14 46.210	-0.0011	15	-13 50 29.66	-0.014	17	0.31	46.227	18	33.6	29.43	16	33.6	K0	J	11	5904	A -13 4580
34		8.2T	15 3.752	-0.0004	22	-12 15 36.83	0.027	22	0.98	3.768	19	07.7	37.99	21	06.9	F5		GC	23347	-12 4707
35		8.8A	15 11.380	-0.0009	15	-10 18 27.98	-0.014	17	0.31	11.393	18	33.6	27.75	16	33.6	G5	J	11	5906	A -10 4468
36		9.3A	15 20.806	-0.0007	18	-16 37 39.67	-0.020	13	0.31	20.817	18	33.6	39.34	16	33.6	A0	J	12A	6195	A -16 4468
37		8.9A	15 22.227	-0.0007	21	-14 44 47.08	0.017	15	0.34	22.239	18	33.6	47.36	16	33.6	K0	J	12A	6196	A -14 4598
38		9.4A	15 25.313	-0.0014	18	-15 41 58.94	-0.011	13	0.31	25.336	18	33.6	58.76	16	33.6			12A	6198	A -15 4515
39		7.6A	15 25.561	0.0020	21	-15 44 44.64	-0.048	15	0.34	25.528	18	33.6	43.85	16	33.6	K0	J	12A	6197	A -15 4511
40		6.5T	15 26.263	-0.0005	08	-16 15 36.16	0.007	08	0.39	26.285	07	03.1	36.49	09	01.5	K5		GC	23357	-16 4470
41		8.3A	15 32.365	0.0021	18	-15 8 44.37	0.010	13	0.31	32.330	18	33.6	44.53	16	33.6	K5	J	12A	6200	A -15 4512
42		9.0A	15 33.652	-0.0023	21	-16 9 8.17	-0.028	15	0.34	33.690	18	33.6	7.71	16	33.6	F8	J	12A	6201	A -16 4471
43		8.8A	15 36.219	-0.0032	15	-12 13 26.15	0.041	17	0.31	36.272	18	33.6	26.80	16	33.6	K0	J	11	5907	A -12 4709
44		9.3A	15 40.063	-0.0005	21	-14 51 43.59	0.020	15	0.34	40.071	18	33.6	43.92	16	33.6	G0	J	12A	6202	A -14 4601
45		8.5A	15 46.523	0.0012	21	-15 58 40.29	0.008	15	0.34	46.504	18	33.6	40.42	16	33.6	A2	J	12A	6203	A -15 4513
46		8.0A	15 50.451	-0.0028	15	-12 33 27.72	0.009	17	0.31	50.498	18	33.6	27.87	16	33.6	K2	J	11	5908	A -12 4711
47		8.9A	15 53.466	0.0003	18	-19 12 0.45	-0.003	00	0.27	53.460	18	33.6	0.40	16	33.6	F5	J	12B	7073K	A -19 4591
48		7.8T	15 54.808	-0.0005	10	-10 10 3.15	-0.010	08	0.45	54.831	15	01.2	2.64	15	99.5	A0		GC	23373	-10 4470
49		9.1A	15 58.757	0.0004	15	-12 29 26.07	0.005	17	0.31	58.751	18	33.6	26.15	16	33.6	G0	J	11	5910	A -12 4712
50		9.3A	16 1.478	0.0014	21	-14 56 22.98	-0.007	15	0.34	1.455	18	33.6	22.87	16	33.6	A0	J	12A	6204	A -14 4602
51		8.3A	17 16 6.204	0.0008	17	-15 10 4.13	-0.095	12	0.29	6.191	18	33.6	2.57	16	33.6	F8	J	12A	6205	A -15 4514
52		8.3A	16 16.445	0.0007	15	-12 26 11.53	-0.009	17	0.31	16.434	18	33.6	11.38	16	33.6	K5	J	11	5911	A -12 4713
53		9.2A	16 20.380	-0.0018	21	-15 51 33.43	0.023	15	0.34	20.410	18	33.6	33.80	16	33.6	A5	J	12A	6207	A -15 4515
54		9.2A	16 20.756	0.0021	21	-17 46 11.79	0.011	15	0.34	20.721	18	33.6	11.97	16	33.6	K2	J	12A	6206	A -17 4769
55		8.9A	16 21.765	-0.0007	17	-19 30 29.90	-0.012	13	0.30	21.776	18	33.6	29.71	16	33.6	K2	J	12B	7078	A -19 4595
56		7.7A	16 22.017	-0.0007	15	-11 56 4.10	-0.023	17	0.31	22.029	18	33.6	3.72	16	33.6	A0	J	11	5912	A -11 4341
57		9.2A	16 29.741	-0.0018	21	-15 17 43.51	-0.013	15	0.34	29.771	18	33.6	43.30	16	33.6	A2	J	12A	6208	A -15 4516
58		7.5A	16 33.574	-0.0024	20	-18 54 14.16	-0.019	15	0.33	33.612	18	33.6	13.84	16	33.6	K5	J	12B	7079	A -18 4489
59		8.5A	16 39.866	0.0005	20	-18 3 20.26	-0.016	15	0.33	39.859	18	33.6	19.99	16	33.6	K5	J	12B	7080	A -17 4771
60		9.4A	16 51.636	0.0006	21	-17 45 18.13	0.007	15	0.34	51.627	18	33.6	18.24	16	33.6	A5	J	12A	6210	A -17 4772
61		9.0A	16 57.541	-0.0037	20	-19 2 28.01	-0.014	15	0.33	57.602	18	33.6	27.77	16	33.6	K0	J	12B	7084	A -18 4491
62		6.0T	16 58.502	-0.0008	04	-17 42 21.13	-0.023	04	0.20	58.540	07	00.9	20.03	07	01.8	A0		GC	23396K	B*-17 4773
63		9.0A	17 0.225	-0.0011	21	-16 12 39.69	-0.081	15	0.34	0.243	18	33.6	38.35	16	33.6	F8	J	12A	6212	A -16 4477
64		8.0T	17 3.833	0.0027	14	-19 55 50.22	-0.018	16	0.73	3.706	19	03.6	49.37	18	02.9	F2		GC	23400K	-19 4602
65		8.5A	17 4.542	0.0003	17	-18 57 36.64	-0.021	13	0.30	4.536	18	33.6	36.29	16	33.6	K2	J	12B	7087	A -18 4492
66		8.5Q	17 5.036	0.0019	10	-11 18 6.43	0.001	07	0.46	4.950	18	04.9	6.48	18	98.0	F2		GC	23401K	B*-11 4344
67		8.9A	17 9.085	-0.0004	21	-16 37 55.65	0.001	15	0.34	9.091	18	33.6	55.66	16	33.6	B9	J	12A	6213	A -16 4478
68		8.4A	17 18.764	0.0004	15	-11 30 44.74	-0.010	17	0.31	18.758	18	33.6	44.58	16	33.6	F5	J	11	5915	A -11 4345
69		8.7A	17 19.558	-0.0002	20	-18 46 25.09	-0.001	15	0.33	19.562	18	33.6	25.07	16	33.6	B5	J	12B	7089	A -18 4494
70		8.5A	17 22.270	-0.0023	15	-10 39 1.08	-0.026	17	0.31	22.307	18	33.6	0.66	16	33.6	K2	J	11	5916	A -10 4476
71		8.5A	17 33.721	0.0019	17	-11 34 38.34	-0.047	18	0.33	33.691	18	33.6	37.57	16	33.6	G0	J	11	5919	A -11 4348
72		8.7A	17 34.829	-0.0001	17	-13 44 40.33	0.039	18	0.33	34.831	18	33.6	40.97	16	33.6	K2	J	11	5917	A -13 4589
73		8.3A	17 34.947	-0.0003	15	-12 53 33.41	0.018	17	0.31	34.952	18	33.6	33.70	16	33.6	A5	J	11	5918	A -12 4721
74		6.5T	17 37.942	-0.0108	10	-19 16 54.56	-0.103	12	0.55	38.454	15	02.4	49.70	14	03.0	G0		GC	23420K	-19 4605
75		7.8A	17 38.233	-0.0024	17	-11 34 0.73	0.004	18	0.33	38.272	18	33.6	0.80	16	33.6	A2	J	11	5920	A -11 4349
76		9.1A	17 40.222	-0.0014	18	-16 51 40.01	-0.009	13	0.31	40.246	18	33.6	39.86	16	33.6	K2	J	12A	6214	A -16 4480
77		8.9A	17 41.065	-0.0012	18	-15 24 19.10	0.006	13	0.31	41.085	18	33.6	19.20	16	33.6	M0	J	12A	6215	A -15 4517
78		8.8A	17 53.721	-0.0016	21	-14 6 46.19	0.004	15	0.34	53.746	18	33.6	46.26	16	33.6	K0	J	12A	6216	A -14 4615
79		4.4T	18 0.746	0.0029	03	-12 47 52.08	0.004	03	0.19	0.577	09	91.9	52.34	09	83.6	A0		GC	23424K	B*-12 4722
80		9.0A	18 2.217	0.0004	17	-12 47 10.32	0.040	18	0.33	2.211	18	33.6	10.97	16	33.6			11	5923	A -12 4724
81		8.3A	18 4.383	-0.0008	18	-12 22 27.07	0.024	20	0.35	4.397	18	33.6	27.47	16	33.6	K2	J	11	5924	A -12 4725
82		6.4T	18 6.311	0.0042	10	-10 38 49.43	-0.012	07	0.49	6.097	19	99.5	48.73	18	92.2	F0		GC	23425	-10 4477
83		8.0Q	18 11.299	0.0000	06	-13 2 11.28	-0.071	06	0.40	11.299	18	00.9	7.41	15	95.4	A5		GC	23428	-12 4726
84		8.9A	18 13.313	0.0014	15	-11 29 59.05	-0.009	15	0.30	13.290	18	33.6	58.90	16	33.6	K0	J	11	5928	A -11 4352
85		9.0A	18 13.734	-0.0002	18	-12 36 4.31	-0.087	20	0.35	13.737	18	33.6	2.88	16	33.6	F8	J	11	5927	A -12 4727
86		8.9A	18 18.435	-0.0008	20	-17 59 13.80	0.011	15	0.33	18.449	18	33.6	13.98	16	33.6	K2	J	12B	7098	A -17 4782
87		9.2A	18 20.711	0.0020	21	-17 59 59.49	0.002	15	0.34	20.679	18	33.6	59.53	16	33.6	A0	J	12A	6218	A -17 4783
88		8.9A	18 20.789	-0.0032	21	-15 37 33.57	-0.048	15	0.34	20.842	18	33.6	32.78	16	33.6	F8	J	12A	6219	A -15 4521
89		7.8A	18 23.923	-0.0037	18	-12 0 26.41	-0.110	20	0.35	23.984	18	33.6	24.61	16	33.6	F8	J	11	5929	A -11 4354
90		9.4A	18 33.014	-0.0034	21	-16 57 19.25	-0.039	15	0.34	33.071	18	33.6	18.61	16	33.6	K2	J	12A	6220	A -16 4483
91		8.0A	18 34.197	-0.0020	18	-11 53 53.70	0.012	20	0.35	34.231	18	33.6	53.90	16	33.6	K0	J	11	5930	A -11 4355
92		8.8A	18 38.703	0.0008	15	-12 53 59.69	-0.038	17	0.31	38.690	18	33.6	59.06	16	33.6	F5	J	11	5931	A -12 4728
93		8.3A	18 55.436	-0.0007	15	-11 0 37.17	-0.019	17	0.31	55.448	18	33.6	36.86	16	33.6	A0	J	11	5932K	A -11 4479
94		9.0A	19 1.623	0.0001	21	-17 43 35.79	-0.027	15	0.34	1.621	18	33.6	35.35	16	33.6	K0	J	12A	6221	A -17 4787
95		8.6A	19 5.153	-0.0009	21	-15 0 15.93	-0.012	15	0.34	5.168	18	33.6	15.74	16	33.6	A0	J	12A	6223	A -14 4619
96		9.0A	19 7.656	0.0021	21	-17 10 19.20	-0.012	15	0.34	7.622	18	33.6	19.00	16	33.6	A2	J	12A	6222	A -17 4788
97		9.3A	19 9.658	0.0011	21	-14 15 58.54	-0.032	15	0.34	9.639	18	33.6	58.02	16	33.6	A3	J	12A	6224	A -14 4620
98		9.2A	19 22.931	0.0017	21	-15 52 52.83	-0.009	15	0.34	22.903	18	33.6	52.68	16	33.6	K5	J	12A	6225	A -15 4531
99		8.8A	19 26.262	0.0007	18	-18 35 45.25	0.005	13	0.31	26.251	18	33.6	45.33	16	33.6	K0	J	12B	7115	A -18 4507
100		8.6A	19 28.298	0.0012	21	-17 17 34.61	0.002	15	0.34	28.279	18	33.6	34.64	16	33.6	A0	J	12A	6226	A -17 4789

160500 — EPOCH 1950 — ORIGINAL EPOCH — −10° 17H

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	DM NUMBER
1		8.8A	17 19 33.587	-0.0009	20	-19 3 19.81	0.012	15	0.33	33.601	18	33.6	20.00	16	33.6	A0 J	12B	7112	A -18 4508
2		9.4A	19 35.896	0.0014	21	-17 17 50.77	0.023	15	0.34	35.873	18	33.6	51.15	16	33.6	A0 J	12A	6227	A -17 4790
3		8.8A	19 36.386	0.0008	21	-13 58 21.20	-0.020	15	0.34	36.372	18	33.6	20.87	16	33.6	K0 J	12A	6229	A -13 4596
4		7.9G	19 37.217	-0.0025	13	-19 34 1.20	-0.119	17	0.77	37.341	17	99.9	55.38	17	01.1	G5	GC	23478	-19 4615
5		8.9G	19 40.686	0.0015	10	-17 39 23.10	-0.003	08	0.46	40.614	17	03.1	22.95	17	98.7	A0	GC	23480	-17 4791
6		9.0A	19 55.156	-0.0009	18	-18 8 30.13	-0.027	13	0.31	55.170	18	33.6	29.69	16	33.6	A3 J	12B	7117	A -18 4509
7		8.0A	19 55.997	0.0007	13	-12 41 39.56	0.012	15	0.29	55.985	18	33.6	39.76	16	33.6	K5 J	11	5937	A -12 4734
8		9.1A	20 2.081	-0.0039	15	-12 21 13.73	0.009	17	0.31	2.145	18	33.6	13.88	16	33.6	G5 J	11	5939	A -12 4735
9		8.9A	20 4.771	0.0005	15	-10 37 29.74	0.020	17	0.31	4.762	18	33.6	30.07	16	33.6	K0 J	11	5940	A -10 4482
10		8.9A	20 14.377	-0.0007	20	-18 4 11.53	0.029	15	0.33	14.390	18	33.6	12.01	16	33.6	K0 J	12B	7120	A -17 4792
11		8.0G	20 19.136	-0.0004	10	-19 24 9.06	0.006	09	0.50	19.153	17	02.5	9.33	18	01.9	A2	GC	23495	-19 4617
12		8.9A	20 23.504	-0.0039	15	-10 21 40.53	-0.067	17	0.31	23.567	18	33.6	39.43	16	33.6	G5 J	11	5941	A -10 4484
13		8.4A	20 30.334	0.0018	20	-17 55 29.67	-0.018	15	0.33	30.305	18	33.6	29.38	16	33.6	A2 J	12B	7122	A -17 4793
14		9.1A	20 38.169	0.0046	15	-13 41 18.03	-0.009	17	0.31	38.093	18	33.6	17.88	16	33.6	F5 J	11	5942	A -13 4601
15		6.6T	20 43.467	0.0015	14	-15 59 32.64	-0.010	10	0.59	43.396	10	03.3	32.14	10	00.6	F0	GC	23508	-15 4534
16		9.0A	20 43.671	-0.0010	15	-10 37 50.73	-0.012	17	0.31	43.688	18	33.6	50.53	16	33.6	F8 J	11	5943	A -10 4485
17		9.0A	20 49.082	0.0036	21	-17 20 41.84	0.020	15	0.34	49.022	18	33.6	42.17	16	33.6	K2 J	12A	6234	A -17 4795
18		8.0G	21 15.384	-0.0018	12	-11 39 23.10	0.014	09	0.57	15.475	26	98.4	23.76	19	02.2	A2	GC	23521K	B*-11 4367
19		8.8A	21 21.418	0.0006	15	-13 9 16.37	0.017	17	0.31	21.409	18	33.6	16.65	16	33.6	A2 J	11	5945	A -13 4604
20		8.4A	21 23.468	0.0005	20	-18 5 17.35	0.008	15	0.33	23.460	18	33.6	17.48	16	33.6	K0 J	12B	7126	A -17 4797
21		9.1A	21 31.244	0.0026	18	-15 46 21.59	-0.005	13	0.31	31.201	18	33.6	21.51	16	33.6	K0 J	12A	6236	A -15 4539
22		8.8A	21 32.342	-0.0012	17	-18 48 7.78	-0.006	12	0.29	32.362	18	33.6	7.87	16	33.6	A2 J	12B	7127	A -18 4514
23		6.3T	21 41.216	0.0007	06	-18 24 3.91	-0.011	06	0.25	41.187	06	10.3	3.46	07	09.2	A0	GC	23531	-18 4516
24		9.0A	21 46.577	0.0007	13	-13 9 4.12	0.011	15	0.29	46.565	18	33.6	4.30	16	33.6	G5 J	11	5946	A -13 4606
25		9.2A	21 46.910	0.0057	21	-16 2 53.56	0.021	15	0.34	46.817	18	33.6	53.91	16	33.6	F8 J	12A	6237	A -15 4541
26		9.1A	21 51.956	-0.0009	21	-16 30 32.45	0.014	15	0.34	51.972	18	33.6	32.68	16	33.6	G5 J	12A	6238	A -16 4502
27		8.4A	21 53.112	0.0001	15	-13 15 0.40	0.003	17	0.31	53.110	18	33.6	0.45	16	33.6	A5 J	11	5947	A -13 4607
28		9.0A	21 54.976	-0.0000	21	-16 6 43.79	-0.010	15	0.34	54.976	18	33.6	43.63	16	33.6	F2 J	12A	6239	A -16 4503
29		8.9A	21 57.879	0.0015	15	-11 50 34.40	-0.006	17	0.31	57.856	18	33.6	34.30	16	33.6	F5 J	11	5948	A -11 4369
30		9.1A	22 6.730	0.0009	21	-15 18 30.86	-0.005	15	0.34	6.715	18	33.6	30.78	16	33.6	K7 J	12A	6240	A -15 4544
31		9.4A	22 13.489	-0.0030	21	-14 34 21.94	-0.059	15	0.34	13.538	18	33.6	20.97	16	33.6	G5 J	12A	6241	A -14 4629
32		9.0A	22 17.729	-0.0005	18	-18 38 44.65	0.025	13	0.31	17.736	18	33.6	45.05	16	33.6	K0 J	12B	7135	A -18 4522
33		8.3A	22 25.092	0.0010	20	-18 14 15.59	0.009	15	0.33	25.075	18	33.6	15.74	16	33.6	A0 J	12B	7137	A -18 4524
34		8.4A	22 31.884	-0.0019	20	-19 41 49.16	-0.013	15	0.33	31.914	18	33.6	48.95	16	33.6	F0 J	12B	7138	A -19 4624
35		9.0A	22 36.421	-0.0000	21	-16 37 11.43	0.005	15	0.34	36.422	18	33.6	11.51	16	33.6	F8 J	12A	6243	A -16 4506
36		9.0A	22 42.294	0.0013	21	-16 24 11.64	0.009	15	0.34	42.273	18	33.6	11.79	16	33.6	A3 J	12A	6244	A -16 4508
37		9.1A	22 45.149	-0.0023	15	-12 18 48.05	-0.038	17	0.31	45.186	18	33.6	47.43	16	33.6	F8 J	11	5949	A -12 4745
38		9.0A	22 49.122	0.0004	21	-15 13 1.28	0.009	15	0.34	49.114	18	33.6	1.43	16	33.6	K0 J	12A	6245	A -15 4547
39		8.7A	22 51.838	0.0021	17	-19 15 6.16	-0.006	13	0.30	51.803	18	33.6	6.06	16	33.6	G0 J	12B	7143	A -19 4627
40		8.7A	23 18.374	0.0020	21	-17 2 19.38	-0.023	15	0.34	18.342	18	33.6	19.00	16	33.6	G0 J	12A	6246	A -16 4512
41		9.0A	23 22.877	-0.0026	21	-14 39 11.77	-0.045	15	0.34	22.920	18	33.6	11.03	16	33.6	G5 J	12A	6247	A -14 4639
42		9.1A	23 26.801	-0.0028	18	-19 28 30.23	-0.007	13	0.31	26.816	18	33.6	30.11	16	33.6	A0 J	12B	7146	A -19 4632
43		8.3A	23 29.147	-0.0028	15	-13 49 51.30	-0.078	17	0.31	29.193	18	33.6	52.02	16	33.6	F5 J	11	5950	A -13 4612
44		9.2A	23 29.959	-0.0002	21	-16 7 21.07	-0.014	13	0.34	29.962	18	33.6	20.83	16	33.6	F2 J	12A	6248	A -16 4514
45		7.4T	23 30.808	-0.0009	11	-10 57 1.17	0.022	08	0.50	30.848	21	03.3	2.30	19	98.1	B	GC	23606	B*-10 4493
46		9.0A	23 38.631	-0.0006	21	-17 19 51.53	0.029	15	0.34	38.641	18	33.6	52.01	16	33.6	G0 J	12A	6249	A -17 4807
47		8.8A	23 51.110	0.0043	18	-15 39 44.36	-0.029	13	0.31	51.040	18	33.6	43.89	16	33.6	A5 J	12A	6250	A -15 4551
48		8.2T	23 53.434	0.0006	09	-15 5 12.26	0.006	07	0.43	53.403	17	01.3	12.58	14	95.0	B9	GC	23613	-14 4644
49		8.3A	23 53.779	0.0019	15	-13 21 28.24	-0.069	17	0.31	53.748	18	33.6	27.11	16	33.6	G0 J	11	5952	A -13 4614
50		8.6A	24 4.684	0.0004	15	-11 38 6.88	-0.078	15	0.30	4.678	18	33.6	5.60	16	33.6	G0 J	11	5953	A -11 4377
51		9.0A	17 24 6.201	0.0003	20	-18 57 1.03	-0.000	15	0.33	6.196	18	33.6	1.02	16	33.6	B8 J	12B	7151	A -18 4528
52		9.0A	24 10.824	-0.0004	21	-16 3 12.36	-0.028	15	0.34	10.832	18	33.6	11.90	16	33.6	K0 J	12A	6252	A -15 4553
53		6.3T	24 13.574	0.0023	03	-12 28 12.15	-0.065	03	0.21	13.448	10	95.9	8.32	09	91.2	F8	GC	23629	B*-12 4750
54		6.6T	24 17.334	-0.0012	08	-15 48 42.28	-0.005	07	0.43	17.393	18	00.0	42.01	15	97.7	K0	GC	23632	-15 4554
55		9.0A	24 22.308	-0.0038	15	-12 6 18.79	0.037	17	0.31	22.371	18	33.6	19.40	16	33.6	G0 J	11	5956	A -12 4754
56		8.8A	24 23.275	0.0009	15	-13 17 6.74	0.001	17	0.31	23.260	18	33.6	6.76	16	33.6	G5 J	11	5955	A -13 4617
57		9.0A	24 34.301	-0.0020	21	-13 59 39.18	-0.036	15	0.34	34.334	18	33.6	38.59	16	33.6	F0 J	12A	6254	A -13 4619
58		8.3A	24 39.032	-0.0029	20	-18 18 13.33	-0.023	15	0.33	39.080	18	33.6	12.95	16	33.6	F5 J	12B	7154	A -18 4531
59		8.5A	24 45.835	-0.0027	18	-19 10 53.90	-0.010	13	0.31	45.879	18	33.6	53.73	16	33.6	K0 J	12B	7155	A -19 4638
60		8.9A	24 51.367	0.0012	15	-13 11 21.42	-0.007	17	0.31	51.348	18	33.6	21.30	16	33.6	G5 J	11	5958	A -13 4621
61		8.0G	24 59.836	-0.0014	11	-12 8 46.37	0.004	09	0.51	59.900	19	03.4	46.58	18	98.0	F2	GC	23648K	B*-12 4757
62		8.4A	25 3.295	-0.0020	15	-11 56 21.84	0.010	17	0.31	3.327	18	33.6	22.00	16	33.6	B9 J	11	5960	A -11 4380
63		8.8A	25 7.441	-0.0012	21	-14 13 43.85	0.012	15	0.34	7.461	18	33.6	44.05	16	33.6	B9 J	12A	6255	A -14 4650
64		9.0A	25 10.574	-0.0015	15	-10 23 36.73	-0.048	17	0.31	10.597	18	33.6	35.94	16	33.6	G0 J	11	5962	A -10 4497
65		9.0A	25 21.632	0.0027	18	-15 40 0.19	-0.024	13	0.31	21.588	18	33.6	-59.80	16	33.6	F0 J	12A	6256	A -15 4557
66		8.5A	25 39.198	-0.0080	18	-18 15 30.19	-0.090	13	0.31	39.330	18	33.6	28.72	16	33.6	G0 J	12B	7160	A -18 4536
67		8.8A	25 41.749	0.0010	21	-17 57 18.71	-0.013	15	0.34	41.734	18	33.6	18.49	16	33.6	K0 J	12A	6258	A -17 4814
68		8.7A	25 54.891	0.0005	15	-12 16 24.57	-0.013	17	0.31	54.884	18	33.6	24.36	16	33.6	F5 J	11	5963	A -12 4759
69		9.3A	26 3.092	-0.0010	18	-15 58 47.84	-0.000	13	0.31	3.108	18	33.6	47.83	16	33.6	A2 J	12A	6259	A -15 4562
70		9.0A	26 10.265	-0.0002	21	-16 0 13.81	-0.005	15	0.34	10.268	18	33.6	13.73	16	33.6	K5 J	12A	6260	A -15 4563
71		8.3A	26 13.840	0.0018	15	-12 0 9.62	0.018	17	0.31	13.812	18	33.6	9.92	16	33.6	G5 J	11	5965	A -11 4385
72		8.0A	26 16.896	0.0008	21	-14 2 29.20	-0.020	15	0.34	16.883	18	33.6	28.87	16	33.6	F8 J	12A	6261	A -13 4627
73		8.7A	26 24.298	-0.0034	15	-10 44 19.62	-0.005	17	0.31	24.353	18	33.6	19.54	16	33.6	F5 J	11	5968	A -10 4501
74		8.9A	26 24.977	0.0005	18	-16 33 6.65	0.015	13	0.31	24.969	18	33.6	6.89	16	33.6	B5 J	12A	6262	A -16 4526
75		8.8A	26 27.926	-0.0022	21	-14 13 7.98	0.015	15	0.34	27.962	18	33.6	8.22	16	33.6	K0 J	12A	6263	A -14 4658
76		8.8A	26 30.567	-0.0013	20	-18 37 31.60	-0.018	15	0.33	30.588	18	33.6	31.30	16	33.6	B9 J	12B	7164	A -18 4540
77		9.1A	26 35.358	-0.0017	15	-13 29 49.61	-0.016	15	0.30	35.386	18	33.6	49.35	16	33.6	A5 J	11	5970	A -13 4629
78		8.0A	26 36.832	0.0008	21	-15 59 44.88	0.028	15	0.34	36.820	18	33.6	45.34	16	33.6	K0 J	12A	6264	A -15 4565
79		9.0A	26 46.065	0.0010	21	-17 46 12.36	0.023	15	0.34	46.050	18	33.6	12.74	16	33.6	K2 J	12A	6265	A -17 4821
80		9.0A	26 46.217	0.0010	18	-17 46 4.63	-0.014	13	0.31	46.201	18	33.6	4.40	16	33.6	K2 J	12A	6266	A -17 4821
81		9.2A	26 50.091	0.0016	21	-17 33 14.35	-0.016	15	0.34	50.064	18	33.6	14.09	16	33.6	A2 J	12A	6267	A -17 4822
82		8.7A	27 0.977	-0.0003	18	-15 58 40.02	-0.015	13	0.31	0.983	18	33.6	39.78	16	33.6	B8 J	12A	6268	A -15 4567
83		7.9A	27 1.510	0.0005	15	-11 6 21.24	0.003	17	0.31	1.501	18	33.6	21.28	16	33.6	K0 J	11	5971	A -11 4388
84		8.8A	27 3.524	0.0017	21	-17 46 31.27	-0.098	15	0.34	3.496	18	33.6	29.69	16	33.6	G0 J	12A	6269	A -17 4825
85		8.8A	27 5.354	-0.0032	21	-15 52 28.74	-0.046	15	0.34	5.408	18	33.6	27.99	16	33.6	F8 J	12A	6270	A -15 4568
86		9.0A	27 7.898	0.0008	21	-14 31 3.11	-0.004	15	0.34	7.885	18	33.6	3.04	16	33.6	A2 J	12A	6271	A -14 4662
87		8.8A	27 11.325	-0.0014	21	-15 36 26.65	-0.010	15	0.34	11.348	18	33.6	26.49	16	33.6	K0 J	12A	6272	A -15 4569
88		8.8A	27 32.274	-0.0023	15	-11 35 2.27	-0.001	17	0.31	32.312	18	33.6	2.26	16	33.6	M1 J	11	5972	A -11 4390
89		9.0A	27 33.088	-0.0015	18	-17 26 10.29	-0.022	13	0.31	33.112	18	33.6	9.93	16	33.6	K0 J	12A	6273	A -17 4828
90		8.9A	27 34.925	0.0004	15	-10 19 13.32	-0.115	17	0.31	34.920	18	33.6	11.44	16	33.6	G5 J	11	5973	A -10 4503
91		7.5T	27 36.138	0.0002	09	-15 35 56.44	-0.055	07	0.53	36.125	18	91.5	53.03	17	88.1	K0	GC	23697	-15 4572
92		9.2A	27 37.208	-0.0001	21	-15 23 40.72	-0.008	15	0.34	37.208	18	33.6	40.58	16	33.6	F2 J	12A	6275	A -15 4574
93		8.8A	27 39.171	0.0005	15	-10 53 57.24	-0.007	17	0.31	39.162	18	33.6	57.13	16	33.6	A0 J	11	5974	A -10 4504
94		8.9A	27 40.932	0.0007	21	-14 44 6.77	-0.010	15	0.34	40.921	18	33.6	6.61	16	33.6	A5 J	12A	6276K	A -14 4665
95		8.2G	27 41.518	0.0018	20	-19 31 12.55	0.021	16	0.75	41.446	19	10.6	13.45	18	07.1	A3	GC	23702K	B*-19 4645
96		8.2T	27 43.727	0.0003	09	-10 3 30.39	-0.030	09	0.47	43.710	17	00.2	28.87	17	99.6	G5	GC	23703	-9 4562
97		8.2A	27 44.112	0.0009	20	-19 4 37.70	-0.055	15	0.33	44.097	18	33.6	36.79	16	33.6	F5 J	12B	7168	A -18 4547
98		9.1A	27 45.412	0.0012	21	-17 30 31.34	0.012	15	0.34	45.392	18	33.6	31.54	16	33.6	F5 J	12A	6277	A -17 4829
99		8.4A	27 50.147	-0.0027	21	-14 22 15.94	-0.032	15	0.34	50.191	18	33.6	15.42	16	33.6	K2 J	12A	6278	A -14 4667
00		8.9A	27 53.845	0.0007	15	-13 18 38.38	-0.015	17	0.31	53.834	18	33.6	36.13	16	33.6	A0 J	11	5976	A -13 4634

160600

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.		SOURCE CAT.	STAR NUMBER	-10° 17H DM NUMBER
1		8.8A	17 27 54.804	-0.0004	21	-15 24 7.69	0.016	15	0.34	54.811	18	33.6	7.86	16	33.6	A2	J	12A	6279	A -15 4576
2		9.2A	27 56.583	-0.0003	21	-15 56 58.62	0.016	15	0.34	56.587	18	33.6	58.89	16	33.6	F0	J	12A	6280	A -15 4575
3		9.1A	27 59.833	0.0000	13	-11 19 54.63	0.004	17	0.30	59.833	18	33.6	54.70	16	33.6	F8	J	11	5977	A -11 4391
4		8.5A	28 2.674	-0.0003	21	-17 20 10.00	-0.018	15	0.34	2.680	18	33.6	9.71	16	33.6	F8	J	12A	6281	A -17 4831
5		9.1A	28 4.676	0.0030	21	-16 7 40.61	0.022	15	0.34	4.628	18	33.6	40.97	16	33.6	A0	J	12A	6282	A -16 4537
6		8.9A	28 6.707	-0.0002	15	-10 52 20.16	-0.019	17	0.31	6.711	18	33.6	19.84	16	33.6	K0	J	11	5978	A -10 4506
7		9.0A	28 16.668	-0.0011	21	-14 19 27.01	-0.006	15	0.34	16.687	18	33.6	26.91	16	33.6	A0	J	12A	6284	A -14 4470
8		8.6A	28 18.649	-0.0003	21	-17 6 19.78	0.010	15	0.34	18.655	18	33.6	19.94	16	33.6	B0	J	12A	6283	A -17 4834
9		8.7A	28 20.909	-0.0021	15	-11 18 41.61	0.004	17	0.31	20.944	18	33.6	41.67	16	33.6	K2	J	11	5979	A -11 4394
10		7.8Q	28 31.064	0.0004	11	-10 56 3.10	-0.064	08	0.59	31.041	24	96.3	-59.19	21	88.9	F5		GC	23722K	-10 4507
11		8.8A	28 33.651	0.0005	20	-18 2 33.72	-0.012	15	0.33	33.643	18	33.6	33.52	16	33.6	G5	J	12B	7175	A -17 4835
12		9.0A	28 39.328	-0.0001	15	-12 58 18.22	0.014	17	0.31	39.330	18	33.6	18.45	16	33.6	A0	J	11	5982	A -12 4765
13		8.8A	28 48.193	0.0007	15	-11 47 41.28	0.001	17	0.31	48.182	18	33.6	41.30	16	33.6	F2	J	11	5983	A -11 4397
14		9.3A	28 59.087	-0.0000	18	-17 17 17.59	0.001	13	0.31	59.088	18	33.6	17.61	16	33.6	K0	J	12A	6286	A -17 4838
15		8.3A	29 7.810	-0.0018	18	-10 25 6.28	-0.011	20	0.35	7.840	18	33.6	6.10	16	33.6	A0	J	11	5986	A -10 4512
16		8.3A	29 11.880	-0.0014	15	-12 29 16.78	0.003	17	0.31	11.903	18	33.6	16.83	16	33.6	A2	J	11	5987	A -12 4767
17		8.7A	29 16.214	0.0010	17	-12 17 26.68	0.007	18	0.33	16.198	18	33.6	26.80	16	33.6	K5	J	11	5988	A -12 4768
18		8.4A	29 22.233	-0.0034	18	-10 41 2.36	-0.019	20	0.35	22.288	18	33.6	2.05	16	33.6	A5	J	11	5990	A -10 4514
19		8.2A	29 23.593	-0.0005	15	-13 38 52.75	0.038	17	0.31	23.602	18	33.6	53.37	16	33.6	G5	J	11	5989	A -13 4641
20		8.1A	29 24.758	-0.0007	15	-11 54 47.00	0.004	17	0.31	24.775	18	33.6	47.07	16	33.6	K2	J	11	5992	A -11 4401
21		8.5A	29 25.041	0.0016	18	-12 18 18.81	-0.102	20	0.35	25.015	18	33.6	17.14	16	33.6	G0	J	11	5991	A -12 4770
22		8.5A	29 27.653	-0.0022	21	-16 3 30.88	0.015	15	0.34	27.690	18	33.6	31.13	16	33.6	K0	J	12A	6287	A -15 4585
23		9.3A	29 51.582	-0.0022	18	-15 54 0.33	-0.015	13	0.31	51.618	18	33.6	0.09	16	33.6	G5	J	12A	6288	A -15 4587
24		8.1Q	29 57.394	0.0014	10	-14 45 25.47	-0.018	09	0.46	57.333	17	06.0	24.60	18	02.3	A5		GC	23759	-14 4677
25		9.6A	29 58.329	-0.0017	21	-14 48 40.41	-0.022	15	0.34	58.358	18	33.6	40.04	16	33.6	A	J	12A	6290	A -14 4678
26		8.9A	29 59.806	0.0012	15	-13 15 54.08	0.039	17	0.31	59.787	18	33.6	54.72	16	33.6	F8	J	11	5993	A -13 4645
27		7.1T	30 1.063	-0.0017	16	-13 26 50.44	-0.010	16	0.74	1.139	21	05.6	49.97	21	04.8	A0		GC	23762	-13 4646
28		8.2Q	30 1.203	-0.0011	12	-11 13 24.42	-0.066	08	0.49	1.248	21	09.0	21.10	19	00.0	K0		GC	23763	-11 4403
29		6.9T	30 4.386	0.0009	07	-17 27 41.82	0.017	06	0.33	4.340	09	00.1	42.71	09	97.7	K0		GC	23766	-17 4841
30		8.9A	30 18.024	0.0001	20	-19 20 34.23	0.025	15	0.33	18.021	18	33.6	34.63	16	33.6	B8	J	12B	7182	A -19 4652
31		8.6A	30 21.802	-0.0004	21	-16 6 58.01	0.013	15	0.34	21.807	18	33.6	58.22	16	33.6	K5	J	12A	6293	A -16 4550
32		8.8A	30 24.006	-0.0007	20	-18 0 30.30	0.019	15	0.33	24.017	18	33.6	30.62	16	33.6	B9	J	12B	7185	A -17 4843
33		8.7A	30 28.812	-0.0031	15	-12 32 25.36	0.004	17	0.31	28.863	18	33.6	25.42	16	33.6	A0	J	11	5996	A -12 4774
34		9.0A	30 29.404	0.0012	21	-17 16 8.27	-0.015	15	0.34	29.385	18	33.6	8.02	16	33.6	M1	J	12A	6294	A -17 4844
35		7.8A	30 31.253	-0.0019	18	-18 18 19.78	0.010	13	0.31	31.284	18	33.6	19.95	16	33.6	F2	J	12B	7188	A -18 4564
36		8.9A	30 46.894	0.0011	20	-19 53 4.11	-0.019	15	0.33	46.877	18	33.6	3.80	16	33.6	K0	J	13A	7190	A -19 4656
37		9.0A	30 50.926	-0.0001	21	-15 2 37.21	-0.005	15	0.34	50.927	18	33.6	37.12	16	33.6		J	12A	6295	A -14 4683
38		9.0A	30 51.308	0.0012	21	-15 5 42.10	0.015	15	0.34	51.288	18	33.6	42.34	16	33.6	A0	J	12A	6296	A -15 4592
39		8.8A	30 51.355	-0.0008	21	-14 23 53.83	-0.035	15	0.34	51.369	18	33.6	53.25	16	33.6	F5	J	12A	6297	A -14 4682
40		9.0A	30 54.691	-0.0005	21	-13 57 11.84	-0.024	15	0.34	54.699	18	33.6	11.44	16	33.6	G5	J	12A	6298	A -13 4651
41		8.3A	31 1.306	-0.0007	15	-13 28 16.48	0.015	17	0.31	1.319	18	33.6	16.72	16	33.6	K0	J	11	5998	A -13 4653
42		8.8A	31 3.982	0.0004	21	-17 48 9.76	-0.003	15	0.34	3.976	18	33.6	9.72	16	33.6	F0	J	12A	6299	A -17 4848
43		8.8A	31 10.278	-0.0031	15	-11 0 7.64	-0.007	17	0.31	10.328	18	33.6	7.52	16	33.6	K0	J	11	5999	A -10 4520
44		9.1A	31 11.506	-0.0025	21	-17 6 18.62	0.013	15	0.34	11.546	18	33.6	18.83	16	33.6	A0	J	12A	6300	A -17 4849
45		8.2A	31 12.275	0.0004	17	-19 8 29.69	-0.001	13	0.30	12.269	18	33.6	29.66	16	33.6	F0	J	12B	7194	A -19 4659
46		9.2A	31 18.824	0.0008	21	-17 17 14.98	0.008	15	0.34	18.810	18	33.6	15.11	16	33.6	K0	J	12A	6301	A -17 4850
47		9.1A	31 21.265	-0.0027	20	-18 44 37.40	0.014	15	0.33	21.309	18	33.6	37.62	16	33.6	B9	J	12B	7195	A -18 4567
48		9.1A	31 31.455	-0.0020	20	-19 11 18.25	-0.031	15	0.33	31.488	18	33.6	17.73	16	33.6	F2	J	12B	7197	A -19 4660
49		7.1T	31 37.862	-0.0003	09	-18 11 16.97	-0.002	11	0.54	37.875	18	99.8	16.88	18	99.6	F0		GC	23808	-18 4570
50		9.0A	31 53.393	-0.0003	21	-16 35 29.02	-0.016	15	0.34	53.398	18	33.6	28.75	16	33.6	B9	J	12A	6303	A -16 4554
51		9.1A	17 31 56.735	-0.0007	15	-11 13 13.32	0.007	17	0.31	56.746	18	33.6	13.42	16	33.6	F2	J	11	6000	A -11 4410
52		9.5A	31 59.287	-0.0017	21	-17 29 11.58	-0.037	15	0.34	59.314	18	33.6	10.97	16	33.6	A2	J	12A	6305	A -17 4852
53		5.7H	31 59.368	-0.0002	02	-11 12 35.18	0.005	02	0.08	59.372	04	24.2	35.31	04	22.2	B8		F4	1461	-11 4411
54		8.9A	31 59.609	-0.0037	20	-18 13 13.72	0.007	15	0.33	59.549	18	33.6	13.84	16	33.6	A2	J	12B	7201	A -18 4572
55		8.7A	32 2.794	0.0011	15	-13 44 40.91	-0.000	17	0.31	2.776	18	33.6	40.91	16	33.6	K5	J	11	6002	A -13 4659
56		8.6A	32 3.255	-0.0015	13	-13 49 15.65	0.016	15	0.29	3.279	18	33.6	15.91	16	33.6	A0	J	11	6003	A -13 4658
57		8.4A	32 4.903	-0.0011	17	-11 40 25.41	-0.029	18	0.33	4.921	18	33.6	24.93	16	33.6	F5	J	11	6004	A -11 4413
58		9.1A	32 6.189	-0.0021	20	-18 17 44.23	-0.025	15	0.33	6.223	18	33.6	43.82	16	33.6	A0	J	12B	7202	A -18 4573
59		9.2A	32 13.036	-0.0033	17	-16 10 5.46	-0.000	13	0.30	13.090	18	33.6	5.46	16	33.6	A0	J	12A	6306	A -16 4557
60		6.8T	32 17.659	-0.0019	14	-13 36 18.63	0.005	12	0.69	17.755	21	00.6	18.87	18	00.5	A2		GC	23825	-13 4665
61		8.5A	32 24.372	-0.0010	18	-18 12 48.37	0.012	13	0.31	24.389	18	33.6	48.57	16	33.6	A0	J	12B	7205	A -18 4578
62		8.8A	32 25.725	-0.0001	18	-13 40 46.91	0.003	20	0.35	25.726	18	33.6	46.96	16	33.6	K5	J	11	6006	A -13 4661
63		8.8A	32 27.972	-0.0000	21	-14 19 29.89	-0.000	15	0.34	27.972	18	33.6	29.89	16	33.6	K0	J	12A	6308	A -14 4691
64		7.6A	32 28.368	-0.0026	17	-12 18 58.14	-0.026	18	0.33	28.411	18	33.6	57.70	16	33.6	G5	J	11	6007	A -12 4778
65		8.5A	32 36.145	0.0007	18	-11 30 4.48	0.009	20	0.35	36.135	18	33.6	4.62	16	33.6	K5	J	11	6009	A -11 4414
66		9.0A	32 37.853	0.0001	21	-13 57 49.37	-0.014	15	0.34	37.852	18	33.6	49.14	16	33.6	A0	J	12A	6309K	A -13 4664
67		8.6A	32 43.195	0.0004	18	-12 13 37.46	0.006	20	0.35	43.188	18	33.6	37.56	16	33.6	G5	J	11	6011	A -12 4779
68		8.6A	32 43.317	-0.0004	15	-13 4 16.78	-0.010	17	0.31	43.323	18	33.6	16.62	16	33.6	K2	J	11	6010	A -13 4666
69		8.0A	32 52.637	-0.0002	21	-14 36 43.87	-0.017	15	0.34	52.640	18	33.6	43.59	16	33.6	K5	J	12A	6310	A -14 4693
70		8.7A	32 55.678	-0.0000	18	-13 51 39.67	-0.054	20	0.35	55.679	18	33.6	38.78	16	33.6	G5	J	11	6012	A -13 4669
71		9.3A	32 55.866	-0.0016	21	-15 11 4.22	0.009	15	0.34	55.892	18	33.6	4.37	16	33.6	G0	J	12A	6312	A -15 4607
72		8.7A	32 56.574	0.0011	18	-15 47 58.54	0.011	13	0.31	56.555	18	33.6	58.72	16	33.6	K5	J	12A	6311	A -15 4606
73		8.9A	33 1.405	0.0002	20	-18 36 39.00	-0.031	15	0.33	1.401	18	33.6	38.48	16	33.6	K0	J	12B	7212	A -18 4580
74		9.2A	33 10.158	-0.0009	21	-17 16 31.80	-0.019	15	0.34	10.173	18	33.6	31.48	16	33.6	F5	J	12A	6313	A -17 4856
75		8.8A	33 11.255	-0.0009	21	-13 56 22.44	-0.006	15	0.34	11.275	18	33.6	22.34	16	33.6	K2	J	12A	6315	A -13 4674
76		9.0A	33 11.899	-0.0022	21	-16 24 21.14	-0.002	15	0.34	11.934	18	33.6	21.11	16	33.6	K0	J	12A	6314	A -16 4559
77		8.4A	33 17.829	-0.0017	15	-12 45 40.68	-0.053	17	0.31	17.857	18	33.6	39.81	16	33.6	F0	J	11	6014	A -12 4783
78		8.0A	33 18.313	-0.0019	21	-17 49 54.93	-0.084	15	0.34	18.344	18	33.6	53.56	16	33.6	G0	J	12A	6316	A -17 4857
79		8.9A	33 21.108	0.0010	17	-11 58 43.72	0.021	18	0.33	21.091	18	33.6	44.06	16	33.6	F2	J	11	6015	A -11 4417
80		8.6A	33 29.679	0.0015	21	-15 27 16.68	-0.012	15	0.34	29.655	18	33.6	16.48	16	33.6	K5	J	12A	6317	A -15 4613
81		9.0A	33 36.004	-0.0004	21	-16 9 43.69	-0.023	15	0.34	36.010	18	33.6	43.31	16	33.6	G5	J	12A	6318	A -16 4563
82		8.6A	33 37.422	-0.0033	17	-13 44 28.42	-0.033	18	0.33	37.476	18	33.6	27.87	16	33.6	F8	J	11	6016	A -13 4677
83		8.9A	33 39.654	-0.0008	21	-16 35 54.12	0.006	15	0.34	39.668	18	33.6	54.21	16	33.6	G5	J	12A	6319	A -16 4564
84		8.4A	33 46.053	0.0001	21	-13 59 56.95	-0.021	15	0.34	46.052	18	33.6	56.60	16	33.6	A3	J	12A	6320	A -13 4678
85		9.1A	33 54.601	-0.0004	21	-14 28 29.46	-0.014	15	0.34	54.607	18	33.6	29.23	16	33.6	A5	J	12A	6322	A -14 4696
86		9.0A	33 57.456	-0.0009	18	-17 55 23.63	0.003	13	0.31	57.470	18	33.6	23.69	16	33.6	F2	J	12B	7219	A -17 4861
87		9.0A	33 59.496	-0.0062	21	-14 45 18.41	-0.032	15	0.34	59.598	18	33.6	17.89	16	33.6	G5	J	12A	6324	A -14 4697
88		8.5A	34 1.325	-0.0037	18	-12 3 24.44	0.004	20	0.35	1.386	18	33.6	24.50	16	33.6	K2	J	11	6018	A -11 4419
89		8.6A	34 1.763	-0.0012	18	-18 9 12.15	0.028	13	0.31	1.782	18	33.6	12.61	16	33.6	K0	J	12B	7220	A -18 4585
90		9.1A	34 4.774	0.0009	18	-15 54 36.42	0.006	13	0.31	4.758	18	33.6	36.52	16	33.6	K0	J	12A	6325	A -15 4616
91		7.3T	34 5.331	-0.0081	09	-18 57 41.28	-0.055	07	0.40	5.715	09	02.3	38.54	10	00.6	G5		GC	23866	-18 4586
92		9.2A	34 10.959	0.0014	20	-16 34 23.75	-0.002	13	0.32	10.935	18	33.6	23.71	16	33.6	B9	J	12A	6326	A -16 4567
93		9.2A	34 11.952	-0.0020	18	-16 34 42.63	-0.016	13	0.31	11.984	18	33.6	42.36	16	33.6	B9	J	12A	6327	A -16 4567
94		9.0A	34 19.651	-0.0026	21	-14 16 13.40	-0.025	15	0.34	19.694	18	33.6	12.99	16	33.6	A0	J	12A	6329	A -14 4699
95		9.0A	34 20.773	-0.0004	21	-16 41 28.06	-0.010	15	0.34	20.780	18	33.6	27.89	16	33.6	B9	J	12A	6328	A -16 4568
96		8.4A	34 22.840	0.0016	21	-13 58 18.49	-0.052	15	0.34	22.813	18	33.6	17.63	16	33.6	F2	J	12A	6330	A -13 4682
97		9.1A	34 34.556	0.0011	18	-13 38 51.76	0.031	13	0.31	34.038	18	33.6	52.27	16	33.6	A2	J	12A	6331	A -15 4619
98		8.8A	34 35.877	-0.0007	18	-12 29 34.98	-0.025	20	0.35	35.889	18	33.6	34.57	16	33.6	F8	J	11	6020	A -12 4787
99		9.0A	34 36.536	0.0002	18	-15 58 22.20	0.008	13	0.31	36.533	18	33.6	22.33	16	33.6	F8	J	12A	6332	A -15 4620
00		3.6H	34 43.274	-0.0031	01	-15 22 7.81	-0.061	01	0.05	43.380	02	15.9	5.68	02	15.0	A5		F4	658	-15 4621

160700

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.		SOURCE CAT.	STAR NUMBER	-10° 17H DM NUMBER
1		5.9T	17 34 43.902	-0.0008	04	-15 32 31.99	-0.003	03	0.18	43.935	06	07.3	31.85	06	04.9	A5		GC	23882	-15 4622
2		8.9A	34 43.962	-0.0001	21	-17 47 52.91	0.009	15	0.34	43.964	18	33.6	53.07	16	33.6	B0	J	12A	6333	A -17 4864
3		9.0A	34 46.317	-0.0005	21	-15 47 54.33	-0.011	15	0.34	46.325	18	33.6	54.31	16	33.6	K2	J	12A	6336	A -15 4623
4		9.2A	34 49.618	-0.0009	21	-16 20 20.96	-0.055	15	0.34	49.633	18	33.6	20.06	16	33.6	F8	J	12A	6337	A -16 4569
5		9.0A	34 56.639	-0.0007	18	-13 1 40.21	-0.002	20	0.35	56.650	18	33.6	40.17	16	33.6	F5	J	11	6021	A -12 4788
6		8.7A	35 6.110	0.0003	18	-13 43 12.80	0.044	20	0.35	6.105	18	33.6	13.52	16	33.6	K5	J	11	6022	A -13 4688
7		7.8A	35 10.725	0.0009	18	-19 56 44.97	0.019	13	0.30	10.711	16	33.6	45.28	16	33.6	K5	J	13A	7231	A -19 4674
8		5.9T	35 22.947	-0.0011	12	-10 53 52.84	-0.012	10	0.59	23.002	15	00.4	52.17	14	96.2	K0		GC	23897	-10 4528
9		8.2A	35 33.260	-0.0002	18	-14 4 34.60	0.002	13	0.31	33.262	18	33.6	34.63	16	33.6	M1	J	12A	6338	A -14 4707
10		9.3A	35 35.974	-0.0006	21	-16 1 52.13	0.002	15	0.34	35.984	18	33.6	52.16	16	33.6	A0	J	12A	6339	A -15 4627
11		8.8A	35 37.664	-0.0038	18	-13 23 2.15	0.021	20	0.35	37.725	18	33.6	2.49	16	33.6	K2	J	11	6025	A -13 4690
12		9.2A	35 39.074	-0.0026	21	-14 33 31.67	-0.029	15	0.34	39.116	18	33.6	31.20	16	33.6	A2	J	12A	6340	A -14 4709
13		8.8A	35 40.556	0.0011	21	-14 41 19.97	0.000	15	0.34	40.537	18	33.6	19.97	16	33.6	K0	J	12A	6341	A -14 4710
14		8.5A	35 44.270	-0.0002	18	-12 20 20.66	-0.004	20	0.35	44.273	18	33.6	20.59	16	33.6	K0	J	11	6026	A -12 4791
15		8.8A	35 49.688	-0.0018	20	-18 9 7.53	-0.029	15	0.33	49.717	18	33.6	7.06	16	33.6	G5	J	12B	7236	A -18 4595
16		8.5A	35 54.274	0.0018	17	-19 30 39.17	-0.014	13	0.30	54.245	18	33.6	38.94	16	33.6	F5	J	12B	7237	A -19 4677
17		8.9A	36 6.781	0.0006	18	-13 2 19.04	-0.006	20	0.35	6.795	18	33.6	18.94	16	33.6	G0	J	11	6030	A -12 4793
18		8.6A	36 8.429	0.0004	18	-10 51 33.47	-0.004	20	0.35	8.422	18	33.6	33.39	16	33.6	K0	J	11	6031	A -10 4530
19		9.0A	36 10.631	0.0001	21	-17 25 9.61	-0.014	15	0.34	10.630	18	33.6	9.38	16	33.6	G5	J	12A	6343	A -17 4871
20		8.7A	36 22.033	-0.0028	18	-18 23 4.37	0.005	13	0.31	22.080	18	33.6	4.46	16	33.6	B5	J	12B	7239	A -18 4598
21		8.9A	36 31.574	-0.0027	21	-14 38 22.36	-0.031	15	0.34	31.617	18	33.6	21.85	16	33.6	K5	J	12A	6345	A -14 4715
22		8.9A	36 31.861	-0.0025	18	-15 44 1.86	-0.054	13	0.31	31.902	18	33.6	0.97	16	33.6	K0	J	12A	6344K	A -15 4635
23		8.9A	36 33.820	-0.0009	18	-10 40 24.03	-0.075	20	0.35	33.834	18	33.6	22.80	16	33.6	G0	J	11	6032	A -10 4532
24		7.6A	36 40.179	-0.0006	17	-13 37 23.29	-0.008	18	0.33	40.188	18	33.6	23.15	16	33.6	F0	J	11	6033	A -13 4696
25		7.9T	36 41.151	-0.0003	10	-11 14 25.44	-0.005	08	0.45	41.165	17	04.6	25.16	17	99.0	F0		GC	23924	-11 4430
26		8.7A	36 41.730	-0.0009	17	-13 42 18.15	0.008	18	0.33	41.745	18	33.6	18.28	16	33.6	F0	J	11	6034	A -13 4697
27		8.7A	36 46.275	-0.0030	18	-11 4 55.02	-0.010	20	0.35	46.324	18	33.6	54.86	16	33.6	F0	J	11	6037	A -11 4431
28		9.1A	36 58.948	-0.0004	21	-14 27 45.02	-0.040	15	0.34	58.955	18	33.6	44.36	16	33.6	G5	J	12A	6346	A -14 4717
29		9.3A	37 0.386	0.0014	18	-11 48 47.57	0.018	20	0.35	0.362	18	33.6	47.85	16	33.6	G0	J	11	6038	A -11 4433
30		9.1A	37 1.640	-0.0009	12	-12 42 53.83	0.036	15	0.28	1.654	18	33.6	54.42	16	33.6	B9	J	11	6039	A -12 4799
31		7.8A	37 6.601	-0.0008	18	-11 26 24.57	0.004	20	0.35	6.613	18	33.6	24.63	16	33.6	B9	J	11	6040	A -11 4435
32		9.4A	37 13.567	-0.0014	21	-17 33 39.14	-0.013	15	0.34	13.590	18	33.6	38.93	16	33.6	B9	J	12A	6347	A -17 4880
33		9.0A	37 16.754	0.0009	15	-13 15 21.11	-0.017	17	0.31	16.740	18	33.6	20.83	16	33.6	G5	J	11	6041	A -13 4701
34		8.7A	37 19.523	-0.0002	18	-18 12 15.99	-0.041	13	0.31	19.527	18	33.6	15.32	16	33.6	A0	J	12B	7241	A -18 4608
35		9.3A	37 40.486	-0.0056	21	-15 30 17.30	-0.058	15	0.34	40.577	18	33.6	16.35	16	33.6	G5	J	12A	6350	A -15 4640
36		9.0A	37 40.601	0.0022	18	-17 14 31.80	-0.056	13	0.31	40.565	18	33.6	30.88	16	33.6	F8	J	12A	6349	A -17 4883
37		8.6A	37 48.109	-0.0007	18	-18 3 34.22	-0.011	13	0.31	48.121	18	33.6	34.04	16	33.6	G5	J	12B	7243	A -18 4612
38		9.1A	37 49.153	0.0025	17	-12 55 31.14	0.024	18	0.33	49.113	18	33.6	31.53	16	33.6	F8	J	11	6044	A -12 4803
39		8.5A	37 58.908	-0.0030	20	-19 57 2.09	-0.021	15	0.33	58.957	16	33.6	1.75	16	33.6	K0	J	13A	7245	A -19 4680
40		9.0A	38 2.861	0.0027	21	-14 13 59.90	-0.007	15	0.34	2.816	18	33.6	59.78	16	33.6	G5	J	12A	6352	A -14 4724
41		8.4A	38 4.350	0.0023	18	-12 53 27.23	0.011	20	0.35	4.311	18	33.6	27.40	16	33.6	A0	J	11	6046	A -12 4805
42		9.1A	38 9.906	0.0011	18	-19 30 27.62	-0.030	12	0.30	9.887	18	33.6	27.13	16	33.6	A3	J	12B	7246	A -19 4682
43		9.0A	38 12.367	0.0001	20	-18 7 23.05	-0.003	15	0.33	12.365	18	33.6	23.01	16	33.6	B9	J	12B	7248	A -18 4616
44		8.2A	38 20.655	-0.0001	20	-19 25 56.51	-0.051	15	0.33	20.656	18	33.6	55.66	16	33.6	F5	J	12B	7249	A -19 4683
45		8.7A	38 22.671	-0.0024	20	-18 37 0.09	-0.033	15	0.33	22.710	18	33.6	59.54	16	33.6	A2	J	12B	7250	A -18 4618
46		9.0A	38 24.996	0.0013	21	-17 13 31.94	-0.005	15	0.34	24.974	18	33.6	31.85	16	33.6	A0	J	12A	6355	A -17 4887
47		4.4T	38 36.141	-0.0050	02	-12 51 1.01	-0.055	02	0.10	36.382	04	02.0	58.42	04	03.2	A2		GC	23978	B*-12 4808
48		8.9A	38 36.667	0.0007	18	-15 15 52.14	0.015	13	0.31	36.655	18	33.6	52.38	16	33.6	A3	J	12A	6357	A -15 4646
49		9.0A	38 38.821	0.0017	21	-17 34 5.31	-0.002	15	0.34	38.793	18	33.6	5.28	16	33.6	K0	J	12A	6356	A -17 4888
50		9.1A	38 43.297	-0.0014	21	-14 56 28.07	0.002	15	0.34	43.320	18	33.6	28.11	16	33.6	K2	J	12A	6359	A -14 4727
51		9.0A	17 38 45.777	0.0005	18	-10 18 6.51	-0.031	20	0.35	45.768	18	33.6	5.99	16	33.6	F5	J	11	6048	A -10 4537
52		9.1A	38 50.229	-0.0025	20	-19 14 6.95	0.002	15	0.33	50.270	18	33.6	6.97	16	33.6	B2	J	12B	7253	A -19 4686
53		9.2A	38 50.347	-0.0003	17	-12 20 6.37	0.006	18	0.33	50.352	18	33.6	6.47	16	33.6	A5	J	11	6049	A -12 4809
54		9.1A	38 56.022	-0.0024	18	-17 38 7.36	-0.029	13	0.31	56.061	18	33.6	6.89	16	33.6	F8	J	12A	6360	A -17 4891
55		8.4A	38 56.049	-0.0007	18	-13 17 32.71	0.032	20	0.35	56.060	18	33.6	33.23	16	33.6	G0	J	11	6050	A -13 4711
56		9.1A	38 57.126	0.0006	17	-17 55 33.76	0.007	11	0.28	57.117	18	33.6	33.88	16	33.6	K5	J	12A	6361	A -17 4892
57		9.3A	39 4.255	0.0013	21	-17 49 19.84	0.003	15	0.34	4.233	18	33.6	19.90	16	33.6	K0	J	12A	6362	A -17 4893
58		9.0A	39 12.849	0.0001	18	-16 28 40.48	-0.014	13	0.31	12.846	18	33.6	40.25	16	33.6	K0	J	12A	6364	A -16 4592
59		8.8A	39 12.928	-0.0002	21	-17 1 38.15	0.040	15	0.34	12.931	18	33.6	38.80	16	33.6	K5	J	12A	6363	A -16 4591
60		9.0A	39 13.322	0.0005	21	-14 20 3.02	-0.109	15	0.34	13.315	18	33.6	1.23	16	33.6	F5	J	12A	6365	A -14 4733
61		8.0A	39 14.874	-0.0015	21	-13 55 0.56	-0.031	15	0.34	14.899	18	33.6	0.05	16	33.6	A5	J	12A	6366	A -13 4715
62		8.6A	39 25.066	-0.0004	18	-13 42 1.57	0.016	20	0.35	25.073	18	33.6	1.83	16	33.6	B9	J	11	6052	A -13 4717
63		8.8A	39 26.532	-0.0044	20	-19 22 46.20	-0.044	15	0.33	26.604	18	33.6	45.47	16	33.6	G0	J	12B	7257	A -19 4688
64		8.6A	39 28.289	-0.0023	18	-14 58 50.64	-0.017	13	0.31	28.327	18	33.6	50.35	16	33.6	G0	J	12A	6369	A -14 4734
65		9.1A	39 32.895	-0.0022	17	-13 12 25.51	-0.066	18	0.33	32.931	18	33.6	24.42	16	33.6	G0	J	11	6053	A -13 4719
66		8.7A	39 36.257	0.0005	21	-15 58 12.06	-0.008	15	0.34	36.248	18	33.6	11.92	16	33.6	K5	J	12A	6370	A -15 4652
67		8.9A	39 39.716	-0.0003	18	-18 25 54.41	0.010	13	0.31	39.721	18	33.6	54.58	16	33.6	G0	J	12B	7260	A -18 4626
68		8.8A	39 44.204	-0.0011	17	-19 53 2.91	0.000	13	0.29	44.221	16	33.6	2.91	16	33.6	F8	J	13A	7261	A -19 4690
69		7.4T	39 47.845	0.0008	06	-15 32 11.70	-0.016	06	0.43	47.790	18	84.6	10.65	15	85.1	A0		GC	24012	-15 4655
70		9.2A	39 55.146	-0.0007	18	-17 55 36.08	0.010	13	0.31	55.158	18	33.6	36.25	16	33.6	A0	J	12B	7262	A -17 4895
71		8.7A	40 4.316	0.0010	21	-15 56 8.99	0.010	15	0.34	4.299	18	33.6	9.15	16	33.6	K0	J	12A	6373	A -15 4658
72		8.7A	40 8.280	0.0007	18	-10 46 17.35	-0.075	20	0.35	8.268	18	33.6	16.11	16	33.6	G0	J	11	6054	A -10 4540
73		8.7A	40 11.788	-0.0020	20	-19 29 6.76	-0.011	15	0.33	11.820	18	33.6	6.57	16	33.6	A0	J	12B	7263	A -19 4693
74		8.8A	40 15.391	-0.0015	15	-18 16 48.03	0.005	11	0.27	15.416	18	33.6	48.12	16	33.6	B5	J	12B	7264	A -18 4629
75		8.9A	40 23.190	0.0007	17	-14 58 54.59	0.030	12	0.29	23.179	18	33.6	55.09	16	33.6	G5	J	12A	6375	A -14 4737
76		9.2A	40 24.558	0.0016	21	-17 29 2.51	-0.027	15	0.34	24.531	18	33.6	2.06	16	33.6	A0	J	12A	6374	A -17 4898
77		9.0A	40 37.526	0.0017	21	-14 55 56.57	0.011	15	0.34	37.498	18	33.6	56.75	16	33.6	K5	J	12A	6377	A -14 4739
78		8.8A	40 38.571	0.0007	21	-16 47 33.09	0.014	15	0.34	38.559	18	33.6	33.31	16	33.6	B9	J	12A	6376	A -16 4599
79		9.1A	40 45.850	-0.0007	17	-13 36 25.67	0.016	13	0.30	45.861	18	33.6	25.93	16	33.6	A0	J	12B	7266	A -13 4695
80		8.4A	40 46.570	-0.0025	17	-13 39 47.07	-0.006	18	0.33	46.611	18	33.6	46.97	16	33.6	K0	J	11	6055	A -13 4728
81		9.3A	40 49.113	-0.0006	15	-11 39 36.50	0.014	17	0.31	49.122	18	33.6	36.73	16	33.6	G0	J	11	6056	A -11 4449
82		8.7A	40 53.682	-0.0001	18	-13 6 35.07	0.009	20	0.35	53.684	18	33.6	35.22	16	33.6	B9	J	11	6057	A -13 4730
83		8.8A	40 55.613	-0.0008	18	-19 1 7.36	0.017	13	0.31	55.627	18	33.6	7.63	16	33.6	K5	J	12B	7269	A -18 4631
84		6.3T	40 58.945	-0.0035	13	-13 29 8.57	-0.111	10	0.68	59.142	21	94.2	2.44	17	95.0	F2		GC	24047	-13 4732
85		8.8A	41 13.816	0.0011	21	-17 43 22.02	-0.037	15	0.34	13.798	18	33.6	21.42	16	33.6	F5	J	12A	6378	A -17 4903
86		8.8A	41 14.811	-0.0009	21	-14 23 59.17	0.001	15	0.34	14.826	18	33.6	59.18	16	33.6	K5	J	12A	6379	A -14 4743
87		8.8A	41 15.136	-0.0012	18	-13 8 9.13	-0.032	20	0.35	15.157	18	33.6	8.60	16	33.6	K0	J	11	6059	A -13 4736
88		7.3T	41 22.096	-0.0009	15	-17 24 57.32	0.002	13	0.76	22.140	22	99.1	57.42	21	96.8	G5		GC	24060	-17 4906
89		7.3T	41 25.689	-0.0012	20	-16 50 36.90	-0.059	15	0.80	25.742	10	04.9	34.16	12	03.6	F8		GC	24064	B*-16 4603
90		8.7A	41 31.891	0.0012	21	-17 7 29.69	-0.025	15	0.34	31.870	18	33.6	29.28	16	33.6	A3	J	12A	6382	A -17 4907
91		9.1A	41 34.805	-0.0009	15	-11 59 52.37	-0.007	17	0.31	34.819	18	33.6	52.25	16	33.6	F2	J	11	6061	A -11 4451
92		8.4A	41 39.540	-0.0014	17	-13 1 31.12	-0.016	18	0.33	39.563	18	33.6	30.85	16	33.6	A2	J	11	6062	A -12 4822
93		9.0A	41 44.570	-0.0001	21	-16 45 20.37	-0.017	15	0.34	44.571	18	33.6	20.09	16	33.6	K5	J	12A	6383	A -16 4607
94		8.1A	41 48.701	0.0004	15	-10 18 56.71	-0.001	17	0.31	48.694	18	33.6	56.69	16	33.6	F0	J	11	6063	A -10 4545
95		8.6A	42 0.165	-0.0006	20	-18 38 14.00	-0.008	15	0.33	0.175	18	33.6	13.86	16	33.6	N3	J	12B	7276	A -18 4634
96		8.8A	42 1.855	0.0052	21	-17 12 22.66	0.038	15	0.34	1.770	18	33.6	23.28	16	33.6	A2	J	12A	6384	A -17 4910
97		8.9A	42 2.812	-0.0009	21	-14 47 34.01	0.001	15	0.34	2.827	18	33.6	34.04	16	33.6	K2	J	12A	6385	A -14 4747
98		8.8A	42 5.428	0.0014	21	-16 44 35.15	0.000	15	0.34	5.405	18	33.6	35.15	16	33.6	F0	J	12A	6386	A -16 4610
99		8.1A	42 7.316	0.0003	15	-13 31 46.05	-0.009	17	0.31	7.312	18	33.6	45.90	16	33.6	A0	J	11	6064	A -13 4740
00		9.0A	42 12.710	0.0003	18	-14 52 7.08	0.002	13	0.31	12.705	18	33.6	7.12	16	33.6	K5	J	12A	6387	A -14 4748

160800

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.		SOURCE CAT.	STAR NUMBER	DM NUMBER
1		9.2A	17 42 21.874	0.0020	21	-17 13 0.62	-0.003	15	0.34	21.841	18	33.6	0.57	16	33.6	G5	J	12A	6388	A -17 4912
2		9.1A	42 28.497	0.0003	15	-13 1 1.67	-0.003	17	0.31	28.492	18	33.6	1.62	16	33.6	K0	J	11	6066	A -12 4827
3		8.5A	42 32.123	0.0014	21	-14 25 37.32	-0.000	15	0.34	32.100	18	33.6	37.32	16	33.6	G5	J	12A	6389	A -14 4754
4		8.6A	42 58.421	0.0020	21	-14 0 12.66	-0.001	15	0.34	58.387	18	33.6	12.86	16	33.6	M3	J	12A	6391	A -13 4741
5		9.2A	42 59.590	-0.0001	18	-17 37 47.02	-0.158	13	0.31	59.591	18	33.6	44.43	16	33.6	G0	J	12A	6390	A -17 4914
6		7.8T	43 4.732	-0.0004	15	-10 20 6.29	-0.014	13	0.65	4.750	18	06.9	5.63	19	04.6	A2		GC	24099	-10 4546
7		8.4A	43 17.285	-0.0035	18	-16 34 19.94	-0.028	13	0.31	17.342	18	33.6	19.48	16	33.6	G5	J	12A	6392	A -16 4613
8		9.0A	43 29.192	0.0006	21	-14 3 47.29	0.006	15	0.34	29.182	18	33.6	47.38	16	33.6	K5	J	12A	6393	A -14 4760
9		8.1T	43 31.610	0.0009	08	-13 17 22.80	0.002	06	0.40	31.570	18	04.9	22.89	18	93.5	A0		GC	24108K	-13 4745
10		8.1T	43 31.968	0.0004	13	-13 17 11.09	-0.036	13	0.59	31.952	18	08.2	9.54	21	07.3	A0		GC	24109K	-13 4745
11		8.8A	43 42.323	-0.0005	21	-14 44 20.76	0.011	15	0.34	42.331	18	33.6	20.84	16	33.6	A0	J	12A	6395	A -14 4762
12		9.0A	43 43.390	0.0021	21	-15 59 7.51	-0.018	15	0.34	43.355	18	33.6	7.21	16	33.6	F8	J	12A	6394	A -15 4675
13		9.0A	43 43.996	-0.0017	17	-19 58 48.62	-0.023	12	0.28	44.024	18	33.6	48.24	16	33.6	F5	J	13A	7288	A -19 4702
14		9.4A	43 44.105	0.0006	21	-14 45 34.97	0.005	15	0.34	44.095	18	33.6	35.06	16	33.6	A0	J	12A	6396	A -14 4763
15		9.2A	43 49.743	-0.0012	18	-16 55 49.28	-0.008	13	0.31	49.762	18	33.6	49.14	16	33.6	B2	J	12A	6398	A -16 4614
16		8.8A	43 50.714	0.0017	21	-17 52 20.96	-0.074	15	0.34	50.686	18	33.6	19.75	16	33.6	F5	J	12A	6397	A -17 4918
17		9.0A	44 15.852	-0.0016	18	-15 29 43.61	-0.007	13	0.31	15.879	18	33.6	43.49	16	33.6	A0	J	12A	6399	A -15 4679
18		9.0A	44 26.117	-0.0010	18	-14 17 0.34	-0.025	13	0.31	26.133	18	33.6	59.93	16	33.6	B9	J	12A	6400	A -14 4768
19		7.5T	44 31.537	0.0016	09	-18 5 24.45	-0.011	07	0.40	31.457	10	01.2	23.89	10	98.7	F0		GC	24140K	-18 4645
20		9.1A	44 37.957	-0.0009	15	-13 13 17.40	-0.040	17	0.31	37.972	18	33.6	16.74	16	33.6	A0	J	11	6073	A -13 4748
21		8.0A	44 44.813	0.0005	15	-13 44 27.69	-0.043	17	0.31	44.804	18	33.6	26.98	16	33.6	K0	J	11	6074	A -13 4749
22		6.1T	44 45.563	-0.0010	11	-14 42 31.81	-0.084	08	0.38	45.600	09	11.7	30.83	09	10.1	B9		GC	24148	-14 4770
23		8.9A	44 47.949	-0.0002	20	-18 54 50.23	-0.037	15	0.33	47.993	18	33.6	49.61	16	33.6	K2	J	12B	7296	A -18 4648
24		8.9A	45 6.153	0.0014	15	-13 25 36.73	-0.029	17	0.31	6.131	18	33.6	36.25	16	33.6	A5	J	11	6075	A -13 4752
25		9.0A	45 10.775	-0.0012	20	-18 16 30.55	-0.033	15	0.33	10.795	18	33.6	29.82	16	33.6	A2	J	12B	7299	A -18 4649
26		9.4A	45 13.196	-0.0014	21	-15 59 23.02	-0.040	15	0.34	13.219	18	33.6	22.36	16	33.6	F5	J	12A	6403	A -15 4683
27		8.1A	45 14.558	-0.0077	15	-13 35 36.59	-0.132	15	0.30	14.684	18	33.6	34.42	16	33.6	G0	J	11	6076	A -13 4753
28		9.1A	45 17.169	-0.0015	18	-19 8 17.91	0.021	13	0.31	17.154	18	33.6	18.25	16	33.6	A0	J	12B	7300	A -19 4705
29		8.6A	45 31.632	0.0001	21	-16 48 40.26	-0.013	15	0.34	31.631	18	33.6	40.04	16	33.6	A0	J	12A	6405	A -16 4620
30		9.1A	45 32.251	0.0030	18	-15 8 23.20	-0.137	13	0.31	32.202	18	33.6	20.95	16	33.6	G0	J	12A	6406	A -15 4685
31		9.3A	45 42.194	-0.0067	20	-18 52 46.78	-0.122	15	0.33	42.304	18	33.6	44.77	16	33.6	G0	J	12B	7303	A -18 4650
32		8.3A	45 43.786	0.0011	20	-19 45 51.28	-0.015	15	0.33	43.769	18	33.6	51.03	16	33.6	M2	J	12B	7302	A -19 4708
33		8.1A	45 52.872	-0.0004	15	-10 15 28.83	-0.077	17	0.31	52.878	18	33.6	25.56	16	33.6	K0	J	11	6077	A -10 4553
34		9.2A	46 7.844	-0.0022	21	-16 14 3.82	-0.023	15	0.34	7.879	18	33.6	3.44	16	33.6	G5	J	12A	6407	A -16 4622
35		8.5A	46 17.362	-0.0043	17	-11 19 34.44	-0.019	18	0.33	17.452	18	33.6	34.12	16	33.6	K0	J	11	6078	A -11 4460
36		8.9A	46 22.091	0.0016	17	-12 58 25.46	-0.022	18	0.33	22.065	18	33.6	25.10	16	33.6	K2	J	11	6079	A -12 4844
37		9.2A	46 27.933	-0.0002	18	-11 40 58.09	-0.068	20	0.35	27.937	18	33.6	56.97	16	33.6	F8	J	11	6080	A -11 4462
38		9.1A	46 40.076	-0.0064	17	-10 45 24.25	-0.148	18	0.33	40.181	18	33.6	21.82	16	33.6	G0	J	11	6081	A -10 4554
39		9.1A	46 46.013	-0.0016	18	-11 53 4.26	0.010	20	0.35	46.039	18	33.6	4.42	16	33.6	A0	J	11	6082	A -11 4463
40		9.4A	46 49.956	-0.0010	21	-16 8 55.66	-0.026	15	0.34	49.973	18	33.6	55.23	16	33.6	A0	J	12A	6408	A -16 4624
41		8.8A	46 53.621	-0.0005	17	-19 53 31.08	0.005	13	0.29	53.629	16	33.6	31.16	16	33.6	B	J	13A	7307	A -19 4713
42		9.0A	46 54.926	-0.0007	18	-10 35 37.24	-0.017	20	0.35	54.937	18	33.6	36.95	16	33.6	G0	J	11	6083	A -10 4556
43		8.5A	46 59.689	-0.0022	18	-10 27 36.76	-0.014	20	0.35	59.724	18	33.6	36.53	16	33.6	G0	J	11	6084	A -10 4557
44		9.0A	47 0.677	0.0020	21	-17 17 59.90	-0.001	15	0.34	0.644	18	33.6	59.88	16	33.6	B8	J	12A	6409	A -17 4928
45		7.9A	47 6.825	-0.0018	15	-12 35 43.80	-0.022	15	0.30	6.855	18	33.6	43.44	16	33.6	K0	J	11	6085	A -12 4848
46		8.6A	47 18.082	0.0001	18	-14 13 3.74	-0.004	13	0.31	18.081	18	33.6	3.67	16	33.6	A0	J	12A	6410	A -14 4780
47		9.2A	47 27.479	0.0020	21	-14 18 56.85	-0.037	15	0.34	27.445	18	33.6	56.24	16	33.6	K0	J	12A	6412	A -14 4784
48		8.4A	47 31.109	0.0008	21	-15 57 26.78	-0.010	15	0.34	31.096	18	33.6	26.61	16	33.6	K2	J	12A	6413	A -15 4693
49		8.1A	47 35.329	-0.0019	15	-12 8 49.46	0.031	17	0.31	35.360	18	33.6	49.96	16	33.6	F0	J	11	6086	A -12 4851
50		8.3A	47 39.389	-0.0022	18	-18 53 59.62	0.008	13	0.31	39.425	18	33.6	59.74	16	33.6	K2	J	12B	7309	A -18 4657
51		8.8A	17 47 41.269	-0.0025	18	-12 55 21.33	-0.009	20	0.35	41.310	18	33.6	21.18	16	33.6	A0	J	11	6087	A -12 4852
52		9.1A	47 47.118	-0.0023	17	-11 46 57.78	-0.039	18	0.33	47.155	18	33.6	57.13	16	33.6	G0	J	11	6088	A -11 4466
53		9.0A	47 49.203	0.0001	21	-14 19 0.44	-0.017	15	0.34	49.201	18	33.6	0.16	16	33.6	K0	J	12A	6415	A -14 4788
54		8.8A	47 49.310	-0.0008	21	-16 8 27.61	-0.016	15	0.34	49.323	18	33.6	27.35	16	33.6	A2	J	12A	6414	A -16 4629
55		9.0A	48 2.282	0.0024	21	-17 14 38.39	-0.025	15	0.34	2.243	18	33.6	37.98	16	33.6	A0	J	12A	6416	A -17 4932
56		9.0A	48 6.069	-0.0002	21	-16 43 40.66	-0.026	15	0.34	6.071	18	33.6	40.23	16	33.6	M0	J	12A	6417	A -16 4630
57		9.1A	48 19.525	-0.0033	20	-18 30 47.56	0.048	15	0.33	19.578	18	33.6	48.34	16	33.6	A	J	12B	7313	A -18 4659
58		9.0A	48 20.988	-0.0000	21	-13 56 55.55	-0.014	15	0.34	20.989	18	33.6	55.32	16	33.6	A2	J	12A	6418	A -13 4765
59		8.5A	48 24.674	-0.0014	15	-13 10 10.49	-0.122	17	0.31	24.697	18	33.6	8.49	16	33.6	G0	J	11	6090	A -13 4767
60		9.0A	48 24.850	-0.0016	21	-16 23 50.61	-0.059	15	0.34	24.876	18	33.6	49.64	16	33.6	G0	J	12A	6419	A -16 4631
61		8.9A	48 35.791	0.0017	15	-12 24 32.02	-0.029	17	0.31	35.763	18	33.6	31.54	16	33.6	G5	J	11	6091	A -12 4855
62		8.9A	48 37.442	0.0011	18	-15 28 12.76	0.001	13	0.31	37.424	18	33.6	12.77	16	33.6	G5	J	12A	6420	A -15 4699
63		8.9A	48 39.096	-0.0001	21	-14 42 52.31	0.015	15	0.34	39.097	18	33.6	52.55	16	33.6	K5	J	12A	6421	A -14 4790
64		9.0A	48 40.435	-0.0004	21	-14 16 6.36	-0.014	15	0.34	40.439	18	33.6	6.13	16	33.6	A0	J	12A	6422	A -14 4792
65		8.5A	48 42.994	-0.0016	17	-18 42 45.86	0.013	12	0.29	43.021	18	33.6	46.07	16	33.6	K0	J	12B	7314	A -18 4660
66		9.2A	48 44.568	-0.0004	21	-13 57 18.62	-0.008	15	0.34	44.594	18	33.6	18.49	16	33.6	A0	J	12A	6423	A -13 4768
67		8.2P	48 46.202	-0.0018	08	-19 45 56.98	-0.118	08	0.44	46.294	12	97.6	50.79	14	97.6	G5		GC	24254	-19 4723
68		6.9T	48 51.025	0.0003	07	-19 30 44.83	-0.074	06	0.35	51.008	10	01.0	41.03	12	98.6	F0		GC	24257	-19 4725
69		9.4A	48 52.047	-0.0009	21	-14 42 2.37	0.000	15	0.34	52.062	18	33.6	2.37	16	33.6	G5	J	12A	6424	A -14 4794
70		9.0A	49 3.634	-0.0028	18	-15 29 8.40	-0.045	13	0.31	3.880	18	33.6	7.66	16	33.6	G5	J	12A	6425	A -15 4702
71		8.9A	49 10.210	-0.0011	15	-11 19 3.08	-0.026	17	0.31	10.228	18	33.6	2.61	16	33.6	F8	J	11	6093	A -11 4471
72		9.0A	49 11.943	-0.0006	21	-16 46 22.91	-0.031	15	0.34	11.952	18	33.6	22.40	16	33.6	G5	J	12A	6426	A -16 4637
73		8.3A	49 12.538	0.0009	21	-15 0 53.55	-0.024	15	0.34	12.522	18	33.6	53.15	16	33.6	G5	J	12A	6427	A -14 4797
74		9.0A	49 16.613	-0.0008	20	-19 46 41.78	-0.098	15	0.33	16.626	18	33.6	40.18	16	33.6	G5	J	12B	7323	A -19 4727
75		7.3T	49 22.454	-0.0007	07	-19 6 37.09	-0.028	07	0.37	22.486	09	01.1	35.63	10	98.5	A0		GC	24270	-19 4726
76		9.4A	49 24.380	-0.0007	21	-16 16 42.82	0.013	15	0.34	24.391	18	33.6	43.03	16	33.6	F8	J	12A	6428	A -16 4638
77		8.0A	49 25.372	-0.0046	18	-16 57 28.02	-0.039	13	0.31	25.447	18	33.6	27.38	16	33.6	K0	J	12A	6429	A -16 4639
78		8.6A	49 27.838	0.0015	21	-16 38 27.30	-0.014	15	0.34	27.813	18	33.6	27.07	16	33.6	K0	J	12A	6431	A -16 4640
79		7.7A	49 27.917	-0.0004	17	-18 4 45.03	0.012	13	0.30	27.924	18	33.6	45.23	16	33.6	A5	J	12B	7326	A -18 4666
80		8.8A	49 28.229	0.0018	15	-13 38 43.10	0.019	17	0.31	28.199	18	33.6	43.41	16	33.6	K0	J	11	6095	A -13 4776
81		8.9A	49 34.739	0.0004	15	-12 17 10.46	-0.023	17	0.31	34.734	18	33.6	10.08	16	33.6	F5	J	11	6096	A -12 4860
82		9.1A	49 42.322	-0.0010	17	-19 22 10.38	0.006	12	0.29	42.338	18	33.6	10.47	16	33.6	B9	J	12B	7327	A -19 4729
83		9.3A	49 49.862	-0.0014	17	-16 16 31.61	-0.005	11	0.28	49.885	18	33.6	31.53	16	33.6	B9	J	12A	6432	A -16 4644
84		8.6A	50 9.315	-0.0001	15	-12 23 35.40	0.002	17	0.31	9.318	18	33.6	35.42	16	33.6	K0	J	11	6098	A -12 4862
85		6.3T	50 16.783	0.0035	04	-10 53 20.59	-0.036	04	0.23	16.612	09	01.0	18.76	10	99.7	G5		GC	24301	B*-10 4560
86		8.8A	50 22.340	0.0010	21	-17 28 25.50	-0.005	15	0.34	22.323	18	33.6	25.41	16	33.6	K0	J	12A	6433	A -17 4941
87		8.0P	50 25.292	0.0003	10	-18 51 57.40	0.015	08	0.47	25.276	18	03.1	58.14	17	99.1	K0		GC	24306	-18 4672
88		9.2A	50 25.313	-0.0012	21	-16 21 34.13	0.011	15	0.34	25.332	18	33.6	34.31	16	33.6	K0	J	12A	6434	A -16 4647
89		8.2A	50 25.628	-0.0041	15	-10 21 39.96	-0.040	15	0.30	25.695	18	33.6	39.30	16	33.6	F5	J	11	6101	A -10 4561
90		9.0A	50 34.178	-0.0015	21	-15 38 49.65	0.018	15	0.34	34.202	18	33.6	49.94	16	33.6	A0	J	12A	6435	A -15 4706
91		7.3T	50 49.138	0.0005	11	-19 52 40.29	-0.004	09	0.57	49.109	18	97.5	40.07	15	96.1	K0		GC	24321	-19 4733
92		9.2A	50 49.493	0.0026	21	-17 16 32.41	-0.036	15	0.34	49.449	18	33.6	31.82	16	33.6	G0	J	12A	6436	A -17 4945
93		8.9A	51 4.228	0.0017	21	-17 24 11.77	-0.008	15	0.34	4.199	18	33.6	11.63	16	33.6	K5	J	12A	6437	A -17 4946
94		8.6A	51 14.814	0.0008	21	-14 53 57.05	-0.053	15	0.34	14.801	18	33.6	56.18	16	33.6	F0	J	12A	6438	A -14 4808
95		8.9A	51 20.217	0.0018	20	-18 27 19.43	-0.038	15	0.33	20.191	18	33.6	18.81	16	33.6	F5	J	12B	7335	A -18 4674
96		6.6T	51 20.336	-0.0004	07	-11 19 43.51	-0.008	08	0.43	20.359	17	94.0	42.99	15	87.8	K0		GC	24332K	-11 4475
97		9.0A	51 34.479	0.0003	20	-18 58 45.94	-0.006	15	0.33	34.475	18	33.6	45.83	16	33.6	A2	J	12B	7338	A -18 4675
98		9.2A	51 47.939	0.0011	18	-15 43 17.71	0.027	13	0.31	47.921	18	33.6	18.15	16	33.6	G5	J	12A	6439	A -15 4713
99		7.0T	52 8.194	0.0013	09	-11 37 28.60	0.037	07	0.44	8.132	15	01.4	30.56	15	96.3	F2		GC	24354K	B*-11 4478
00		8.3A	52 10.235	-0.0007	20	-18 17 3.35	-0.001	15	0.33	10.247	18	33.6	3.34	16	33.6	K0	J	12B	7341	A -18 4679

-10° 17H

160900	EPOCH 1950										ORIGINAL EPOCH							SP.		SOURCE		-10° 17H
NUMBER	MAGNITUDES		α_{1950}	μ	σ_μ	δ_{1950}	μ'	σ_μ	σ_{1950}		α_2	σ	ep.	δ_2	σ'	ep.			CAT.	STAR NUMBER	DM NUMBER
	m_{pg}	m_v	h m s	s	″.001	° ′ ″	″	″.001	″		s	″.01		″	″.01						
1		9.7A	17 52 12.357	-0.0018	21	-16 19 35.97	-0.017	15	0.34		12.387	18	33.6	35.69	16	33.6	F2	J	12A	6440	A -16 4653
2		9.4A	52 16.877	-0.0007	18	-15 43 25.14	0.034	13	0.31		16.889	18	33.6	25.70	16	33.6	F8	J	12A	6441	A -15 4717
3		8.6A	52 23.202	-0.0005	20	-19 17 7.70	-0.026	15	0.33		23.210	18	33.6	7.26	16	33.6	K0	J	12B	7342	A -19 4745
4		9.0A	52 23.263	0.0006	15	-12 3 40.63	-0.019	17	0.31		23.254	18	33.6	40.31	16	33.6	A2	J	11	6104	A -12 4870
5		9.2A	52 27.272	-0.0007	21	-15 50 38.11	-0.009	15	0.34		27.284	18	33.6	37.96	16	33.6	A5	J	12A	6442	A -15 4718
6		8.9A	52 42.791	-0.0002	18	-18 11 46.61	0.001	13	0.31		42.795	18	33.6	46.63	16	33.6	F5	J	12B	7345	A -18 4684
7		9.0A	52 43.497	-0.0026	20	-19 48 50.27	-0.060	15	0.33		43.540	18	33.6	49.29	16	33.6	A0	J	12B	7344	A -19 4748
8		9.3A	52 56.652	-0.0015	21	-15 41 23.06	0.003	15	0.34		56.676	18	33.6	23.11	16	33.6	A0	J	12A	6444	A -15 4721
9		6.4T	52 58.395	0.0008	04	-18 47 42.46	-0.022	04	0.21		58.353	05	00.0	41.32	06	99.2	A0		GC	24369	B*-18 4686
10		9.0A	52 58.407	0.0085	21	-16 44 17.98	0.050	15	0.34		58.266	18	33.6	18.80	16	33.6	G0	J	12A	6443	A -16 4656
11		9.0A	53 8.812	0.0014	21	-14 21 44.47	-0.014	15	0.34		8.790	18	33.6	44.24	16	33.6	K0	J	12A	6445	A -14 4824
12		9.0A	53 10.190	0.0007	17	-11 32 28.47	0.031	18	0.33		10.179	18	33.6	28.98	16	33.6	A3	J	11	6106	A -11 4682
13		9.1A	53 14.734	0.0038	21	-17 25 47.65	-0.024	15	0.34		14.671	18	33.6	47.25	16	33.6	K0	J	12A	6446	A -17 4958
14		9.1A	53 15.583	-0.0027	20	-19 3 1.32	0.003	15	0.33		15.627	18	33.6	1.36	16	33.6	A3	J	12B	7349	A -19 4753
15		5.9T	53 26.335	-0.0009	04	-15 48 19.30	-0.065	04	0.24		26.381	10	96.3	15.62	10	93.5	A0		GC	24384K	-15 4722
16		9.2A	53 26.987	0.0022	21	-15 48 38.47	-0.061	15	0.34		26.950	18	33.6	37.47	16	33.6			12A	6448	A -15 4723
17		8.8A	53 27.489	-0.0014	21	-15 10 33.98	-0.023	15	0.34		27.512	18	33.6	33.60	16	33.6	K0	J	12A	6449	A -15 4724
18		9.0A	53 30.486	0.0001	21	-15 19 3.62	0.005	15	0.34		30.484	18	33.6	3.70	16	33.6	K0	J	12A	6450	A -15 4726
19		8.8A	53 39.353	-0.0006	18	-13 26 10.40	-0.028	20	0.35		39.563	18	33.6	9.93	16	33.6	A0	J	11	6107	A -13 4792
20		8.6A	53 41.206	0.0004	11	-10 10 57.79	-0.037	11	0.23		41.200	16	34.0	57.19	16	34.0	G0		16	6033	A -10 4565
21		9.0A	53 42.609	0.0005	18	-15 3 32.62	0.004	13	0.31		42.602	18	33.6	32.68	16	33.6	F8	J	12A	6451	A -15 4728
22		9.0A	53 50.478	-0.0014	20	-18 29 28.05	0.022	15	0.33		50.500	18	33.6	28.42	16	33.6	A3	J	12B	7355	A -18 4703
23		9.0A	53 50.800	0.0015	18	-16 32 45.85	-0.013	13	0.31		50.775	18	33.6	45.63	16	33.6	A5	J	12A	6452	A -16 4661
24		8.8A	53 51.893	-0.0007	15	-11 54 59.95	0.023	17	0.31		51.905	18	33.6	* 0.31	16	33.6	K0	J	11	6109	A -11 4486
25		7.9Q	53 55.464	-0.0006	08	-15 40 41.73	0.003	07	0.44		55.493	18	98.5	41.88	17	96.0	K0		GC	24395	-15 4729
26		9.2A	54 5.653	0.0003	21	-15 25 6.32	0.027	15	0.34		5.649	18	33.6	6.76	16	33.6	G5	J	12A	6454	A -15 4731
27		9.0A	54 10.623	0.0010	21	-17 16 17.98	-0.037	15	0.34		10.607	18	33.6	17.37	16	33.6	A3	J	12A	6455	A -17 4966
28		9.2A	54 12.449	0.0004	21	-15 40 45.21	0.011	15	0.34		12.443	18	33.6	45.39	16	33.6	K0	J	12A	6457	A -15 4732
29		9.2A	54 14.992	-0.0008	18	-18 5 2.44	0.007	13	0.31		15.005	18	33.6	2.56	16	33.6	F8	J	12A	6456	A -18 4715
30		8.0A	54 17.080	-0.0012	18	-13 38 52.26	0.019	20	0.35		17.100	18	33.6	52.57	16	33.6	A3	J	11	6110	A -13 4798
31		8.9A	54 19.752	-0.0016	21	-16 39 9.91	-0.016	15	0.34		19.778	18	33.6	9.64	16	33.6	G0	J	12A	6458	A -16 4662
32		9.1A	54 20.246	-0.0033	15	-12 51 4.38	-0.021	17	0.31		20.301	18	33.6	4.03	16	33.6	A0	J	11	6111	A -12 4876
33		8.8A	54 21.394	-0.0002	21	-14 31 14.50	-0.039	15	0.34		21.396	18	33.6	13.86	16	33.6	G0	J	12A	6460	A -14 4828
34		8.9A	54 22.533	-0.0005	17	-18 11 50.49	0.005	12	0.29		22.542	18	33.6	50.58	16	33.6	B8	J	12B	7359	A -18 4720
35		8.6A	54 25.655	0.0003	20	-18 3 16.73	0.005	15	0.33		25.650	18	33.6	16.82	16	33.6	B5	J	12B	7360K	A -18 4722
36		8.7Q	54 29.723	0.0035	10	-18 56 5.24	-0.086	08	0.46		29.559	18	03.7	0.85	17	99.2	G5		GC	24412	-18 4723
37		8.8A	54 31.328	0.0005	18	-18 40 40.17	-0.010	13	0.31		31.320	18	33.6	40.00	16	33.6	A0	J	12B	7362	A -18 4725
38		8.3A	54 36.346	-0.0005	17	-19 53 5.29	0.006	13	0.29		36.354	16	33.6	5.39	16	33.6	K0	J	13A	7363	A -19 4774
39		9.2A	54 40.840	-0.0002	20	-19 8 6.39	0.030	15	0.33		40.843	18	33.6	6.87	16	33.6	B9	J	12B	7366	A -19 4775
40		8.9A	54 47.326	0.0005	20	-19 26 45.23	-0.022	15	0.33		47.318	18	33.6	44.86	16	33.6	A3	J	12B	7367	A -19 4776
41		8.0A	54 48.673	-0.0095	15	-11 31 42.89	-0.041	17	0.31		48.830	18	33.6	42.21	16	33.6	G0	J	11	6113	A -11 4490
42		8.8A	54 56.078	0.0018	18	-16 47 26.01	0.010	15	0.32		56.048	18	33.6	26.17	16	33.6	K0	J	12A	6462	A -16 4667
43		8.8A	54 56.095	-0.0007	18	-11 40 44.09	-0.011	20	0.35		56.107	18	33.6	43.91	16	33.6	F5	J	11	6114	A -11 4491
44		9.1A	54 56.411	0.0001	18	-15 30 20.60	0.036	15	0.32		56.409	18	33.6	21.19	16	33.6	G5	J	12A	6463	A -15 4741
45		8.8A	55 4.615	-0.0001	15	-13 11 5.19	0.002	17	0.31		4.617	18	33.6	5.22	16	33.6	K0	J	11	6115	A -13 4802
46		9.3A	55 12.141	-0.0009	18	-18 15 12.99	-0.004	13	0.31		12.156	18	33.6	12.93	16	33.6	G0	J	12B	7371	A -18 4738
47		8.7A	55 13.906	-0.0022	20	-19 16 3.64	-0.031	15	0.33		13.942	18	33.6	3.12	16	33.6	K2	J	12B	7372	A -19 4777
48		8.8A	55 19.991	-0.0003	18	-11 56 55.18	-0.031	20	0.35		19.996	18	33.6	54.66	16	33.6	G0	J	11	6116	A -11 4495
49		8.7A	55 20.200	-0.0007	15	-18 10 9.24	-0.016	11	0.27		20.212	18	33.6	8.98	16	33.6	K2	J	12B	7373	A -18 4740
50		9.3A	55 24.126	0.0003	18	-16 4 20.56	-0.017	13	0.31		24.121	18	33.6	20.28	16	33.6	K0	J	12A	6465	A -16 4669
51		8.7A	17 55 44.809	0.0006	18	-15 36 8.27	-0.023	15	0.32		44.799	18	33.6	7.89	16	33.6	K2	J	12A	6466	A -15 4747
52		9.2A	55 44.909	0.0017	21	-14 43 7.95	-0.016	15	0.34		44.881	18	33.6	7.69	16	33.6	G5	J	12A	6467	A -14 4833
53		8.6A	55 47.331	-0.0016	20	-18 45 3.39	-0.008	15	0.33		47.358	18	33.6	3.25	16	33.6	A2	J	12B	7376	A -18 4742
54		7.1T	55 48.047	0.0005	12	-16 51 14.39	-0.027	10	0.61		48.020	21	99.6	12.94	18	96.2	A5		GC	24446	-16 4671
55		8.9A	55 50.718	-0.0325	17	-13 5 0.63	-0.680	18	0.33		51.251	18	33.6	-49.47	16	33.6	G0	J	11	6117K	A -13 4807
56		8.6A	55 52.517	-0.0014	17	-11 52 14.40	-0.017	18	0.33		52.540	18	33.6	14.12	16	33.6	K2	J	11	6118	A -11 4498
57		9.0A	55 59.327	0.0012	17	-11 45 9.36	-0.004	18	0.33		59.308	18	33.6	9.29	16	33.6	F8	J	11	6119	A -11 4501
58		9.2A	56 3.139	-0.0014	21	-17 46 25.15	0.001	15	0.34		3.162	18	33.6	25.17	16	33.6	G5	J	12A	6469	A -17 4975
59		9.1A	56 5.288	-0.0017	18	-16 19 47.28	-0.010	13	0.31		5.315	18	33.6	47.11	16	33.6	A0	J	12A	6470	A -16 4673
60		9.2A	56 8.285	0.0019	21	-14 52 38.14	-0.012	15	0.34		8.254	18	33.6	37.95	16	33.6	G0	J	12A	6471	A -14 4836
61		9.0A	56 13.969	0.0016	21	-15 12 55.06	0.001	13	0.34		13.943	18	33.6	55.07	16	33.6	A0	J	12A	6472	A -15 4752
62		9.0A	56 22.324	-0.0033	17	-12 7 36.49	0.004	18	0.33		22.378	18	33.6	36.55	16	33.6	K5	J	11	6120	A -12 4884
63		8.3A	56 27.791	0.0014	20	-18 12 13.05	-0.008	15	0.33		27.767	18	33.6	12.93	16	33.6	A2	J	12B	7383	A -18 4745
64		9.3A	56 31.002	0.0018	21	-14 22 22.10	-0.009	15	0.34		30.972	18	33.6	21.95	16	33.6	A2	J	12A	6473	A -14 4838
65		8.3A	56 36.368	0.0057	15	-13 42 5.01	-0.046	17	0.31		36.274	18	33.6	4.25	16	33.6	F5	J	11	6121	A -13 4810
66		8.5A	56 39.149	0.0003	15	-13 1 45.56	-0.026	17	0.31		39.143	18	33.6	45.13	16	33.6	A5	J	11	6122	A -13 4811
67		8.3A	56 39.359	0.0025	21	-15 8 53.87	-0.014	13	0.34		39.319	18	33.6	53.64	16	33.6	K0	J	12A	6474	A -15 4756
68		8.9A	56 44.936	-0.0021	21	-14 10 50.74	-0.077	15	0.34		44.970	18	33.6	49.47	16	33.6	G0	J	12A	6475	A -14 4839
69		8.8A	56 47.161	-0.0007	20	-18 33 2.15	0.017	15	0.33		47.172	18	33.6	2.42	16	33.6	A0	J	12B	7386	A -18 4749
70		8.9A	56 53.062	-0.0017	20	-18 49 19.13	0.008	15	0.33		53.090	18	33.6	19.25	16	33.6	A2	J	12B	7387	A -18 4750
71		7.7A	56 53.683	-0.0035	18	-12 20 48.96	0.029	20	0.35		53.739	18	33.6	49.44	16	33.6	G5	J	11	6124	A -12 4885
72		8.8A	56 57.543	0.0023	20	-13 23 19.12	-0.041	20	0.36		57.505	18	33.6	18.44	16	33.6	F5	J	11	6125	A -13 4813
73		8.2A	57 0.058	0.0003	17	-12 8 54.49	0.013	18	0.33		0.054	18	33.6	54.69	16	33.6	A5	J	11	6126	A -12 4888
74		9.0A	57 10.087	-0.0024	21	-14 29 56.89	-0.020	15	0.34		10.126	18	33.6	56.56	16	33.6	G0	J	12A	6477	A -14 4841
75		8.5A	57 10.110	-0.0008	20	-11 32 38.14	0.031	20	0.36		10.124	18	33.6	38.65	16	33.6	A5	J	11	6127K	A -11 4507
76		9.0A	57 12.071	0.0001	21	-17 46 56.24	0.005	15	0.34		12.070	18	33.6	56.33	16	33.6	F8	J	12A	6476	A -17 4981
77		8.2A	57 18.247	0.0004	21	-14 47 19.99	-0.015	15	0.34		18.241	18	33.6	19.75	16	33.6	B5	J	12A	6478	A -14 4842
78		8.4A	57 19.818	-0.0034	21	-16 3 54.26	0.012	15	0.34		19.874	18	33.6	54.46	16	33.6	G5	J	12A	6479	A -16 4678
79		8.7A	57 21.542	-0.0016	17	-12 39 41.17	0.010	18	0.33		21.568	18	33.6	41.33	16	33.6	F0	J	11	6128	A -12 4889
80		7.6A	57 27.639	-0.0003	20	-19 13 47.11	-0.003	15	0.33		27.644	18	33.6	47.05	16	33.6	K5	J	12B	7392	A -19 4789
81		8.2A	57 29.807	0.0015	21	-14 12 23.62	-0.015	12	0.33		29.783	18	33.6	23.37	16	33.6	K0	J	12A	6480	A -14 4845
82		8.1A	57 32.565	-0.0004	20	-18 34 39.50	0.016	15	0.33		32.572	18	33.6	39.75	16	33.6	A0	J	12B	7393	A -18 4751
83		8.6A	57 32.908	0.0043	18	-11 15 29.56	0.008	20	0.35		32.836	18	33.6	29.69	16	33.6	A5	J	11	6129	A -11 4510
84		8.2A	57 37.692	0.0029	18	-12 59 13.06	-0.023	20	0.35		37.644	18	33.6	12.68	16	33.6	B8	J	11	6130	A -12 4890
85		8.6A	57 43.593	-0.0027	20	-19 42 35.02	-0.040	15	0.33		43.637	18	33.6	34.36	16	33.6	K	J	12B	7394	A -19 4792
86		8.8A	57 45.953	0.0002	18	-15 48 5.75	-0.032	15	0.32		45.949	18	33.6	5.22	16	33.6	B3	J	12A	6482	A -15 4767
87		8.8A	57 46.211	-0.0007	18	-18 11 44.69	0.008	13	0.31		46.223	18	33.6	44.83	16	33.6	G5	J	12B	7395	A -18 4752
88		9.0A	57 49.405	0.0020	21	-15 3 46.94	0.005	13	0.34		49.371	18	33.6	47.02	16	33.6	B8	J	12A	6483	A -15 4768
89		8.8A	57 52.180	0.0001	20	-19 54 27.03	-0.034	15	0.33		52.178	18	33.6	26.47	16	33.6	A5	J	13A	7398	A -19 4794
90		7.8A	57 53.395	-0.0003	15	-13 46 46.03	-0.019	17	0.31		53.400	18	33.6	45.71	16	33.6	B8	J	11	6131	A -13 4820
91		8.9A	57 53.741	-0.0004	21	-15 16 22.21	0.002	15	0.34		53.747	18	33.6	22.24	16	33.6	A2	J	12A	6484	A -15 4769
92		9.2A	58 5.496	-0.0031	17	-10 56 34.53	0.049	18	0.33		5.547	18	33.6	35.32	16	33.6	A0	J	11	6132	A -10 4580
93		8.6A	58 6.142	-0.0002	20	-19 52 19.57	-0.023	15	0.33		6.145	16	33.6	19.20	16	33.6	A5	J	13A	7402	A -19 4795
94		8.8Q	58 7.550	-0.0005	08	-18 4 22.06	0.002	07	0.41		7.571	18	04.4	22.17	19	00.4	A0		GC	24507K	B*-18 4757
95		8.1T	58 8.109	-0.0068	20	-19 57 57.60	-0.069	16	0.76		8.379	19	10.1	54.60	18	06.6	G0		GC	24508K	-19 4796
96		9.0A	58 9.164	0.0017	17	-10 11 49.38	-0.036	18	0.33		9.136	18	33.6	48.79	16	33.6	G5	J	11	6133	A -10 4581
97		9.0A	58 24.517	0.0009	21	-15 21 36.69	0.002	15	0.34		24.503	18	33.6	36.72	16	33.6	M2	J	12A	6486	A -15 4775
98		6.3H	58 28.705	0.0000	02	-17 9 24.26	-0.007	02	0.07		28.704	04	18.5	24.03	04	18.3	K2		F4	1470	-17 4987
99		9.3A	58 31.569	-0.0009	18	-15 41 26.65	-0.019	15	0.32		31.576	18	33.6	26.34	16	33.6	A0	J	12A	6488	A -15 4777
00		8.5A	58 42.478	0.0011	15	-13 38 9.26	-0.018	17	0.31		42.459	18	33.6	8.96	16	33.6	G0	J	11	6134	A -13 4825

161000

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	CAT.	SOURCE STAR NUMBER	-10° 17H DM NUMBER
1		9.0A	17 58 42.777	-0.0046	15	-12 2 5.83	-0.027	17	0.31	42.853	18	33.6	5.39	16	33.6	F8 J	11	6135	A -12 4893
2		8.5A	58 47.142	0.0041	15	-13 35 13.47	-0.016	17	0.31	47.075	18	33.6	13.20	16	33.6	K0 J	11	6136	A -13 4826
3		8.9A	58 48.226	-0.0008	21	-16 26 34.73	-0.007	15	0.34	48.239	18	33.6	34.61	16	33.6	A0 J	12A	6489	A -16 4687
4		7.3T	58 55.386	0.0006	09	-19 6 24.22	0.001	08	0.41	55.356	10	03.1	24.25	10	01.0	B3	GC	24529	-19 4800
5		9.0A	58 58.049	0.0011	18	-15 38 54.89	0.012	15	0.32	58.031	18	33.6	55.09	16	33.6	K0 J	12A	6490	A -15 4778
6		9.3A	58 58.666	-0.0012	17	-19 41 4.66	0.003	12	0.29	58.685	18	33.6	4.71	16	33.6	F5 J	12B	7411	A -19 4801
7		9.2A	59 1.030	0.0021	20	-12 10 28.53	-0.014	20	0.36	0.997	18	33.6	28.29	16	33.6	A2 J	11	6138	A -12 4897
8		9.5A	59 6.325	-0.0031	18	-15 20 11.04	-0.006	13	0.31	6.376	18	33.6	10.94	16	33.6	A0 J	12A	6491	A -15 4780
9		9.2A	59 6.949	-0.0008	21	-14 23 30.09	-0.018	15	0.34	6.963	18	33.6	29.79	16	33.6	K2 J	12A	6492	A -14 4856
10		8.2A	59 7.213	0.0004	15	-13 8 51.84	0.016	17	0.31	7.206	18	33.6	52.10	16	33.6	A3 J	11	6139	A -13 4833
11		8.7A	59 14.538	-0.0012	17	-13 2 47.45	-0.023	18	0.33	14.556	18	33.6	47.07	16	33.6	A3 J	11	6140	A -13 4834
12		8.8A	59 17.399	-0.0004	21	-16 13 34.77	-0.019	15	0.34	17.405	18	33.6	34.46	16	33.6	F8 J	12A	6493	A -16 4690
13		8.8A	59 21.220	-0.0008	18	-14 29 45.51	0.017	13	0.31	21.234	18	33.6	45.79	16	33.6	F0 J	12A	6495	A -14 4880
14		8.8A	59 24.155	-0.0004	15	-12 9 28.15	0.023	15	0.30	24.162	18	33.6	28.52	16	33.6	K0 J	11	6141	A -12 4900
15		8.7A	59 24.491	-0.0001	20	-17 50 34.95	0.001	15	0.33	24.493	18	33.6	34.97	16	33.6	B8 J	12B	7413	A -17 4995
16		9.0A	59 26.786	-0.0005	21	-17 7 46.64	-0.010	15	0.34	26.794	18	33.6	46.48	16	33.6	M1 J	12A	6496	A -17 4996
17		7.9A	59 33.850	-0.0007	15	-12 19 10.32	0.004	17	0.31	33.861	18	33.6	10.38	16	33.6	M3 J	11	6143	A -12 4902
18		8.9A	59 34.494	-0.0012	17	-10 30 35.90	-0.039	18	0.33	34.514	18	33.6	35.26	16	33.6	F8 J	11	6144	A -10 4587
19		8.7A	59 38.543	-0.0013	11	-10 6 30.29	-0.051	11	0.23	38.563	16	33.6	49.45	16	33.6	F5	16	6070	A -10 4588
20		8.9A	59 46.388	0.0015	17	-13 11 58.76	0.008	16	0.33	46.363	18	33.6	58.89	16	33.6	A0 J	11	6146	A -13 4835
21		8.2A	59 47.449	0.0015	18	-17 31 26.14	0.007	13	0.31	47.424	18	33.6	26.26	16	33.6	F0 J	12A	6497	A -17 4997
22		8.8A	59 52.600	0.0031	13	-12 20 56.62	-0.032	15	0.29	52.550	18	33.6	56.08	16	33.6	K5 J	11	6147	A -12 4904
23		8.9A	59 59.687	0.0013	15	-11 38 38.91	0.017	17	0.31	59.665	18	33.6	39.19	16	33.6	G5 J	11	6148	A -11 4519
24	18	8.1A	0 11.340	0.0008	21	-17 24 56.82	-0.003	15	0.34	11.326	18	33.6	56.77	16	33.6	B5 J	12A	6499	A -17 4999
25		8.8A	0 14.917	-0.0020	17	-17 58 44.40	0.023	12	0.29	14.949	18	33.6	44.79	16	33.6	G0 J	12B	7423	A -17 5000
26		8.7A	0 17.873	-0.0014	15	-10 25 42.71	0.008	17	0.31	17.895	18	33.6	42.84	16	33.6	F8 J	11	6149	A -10 4590
27		9.6A	0 18.462	-0.0033	21	-15 27 34.80	0.010	15	0.34	18.536	18	33.6	34.96	16	33.6	A2 J	12A	6501	A -15 4789
28		7.1T	0 26.838	0.0003	11	-17 36 44.21	0.000	11	0.55	26.821	15	02.0	44.22	14	01.6	B5	GC	24569	-17 5001
29		8.9A	0 28.119	-0.0040	15	-10 51 51.71	-0.009	17	0.31	28.184	18	33.6	51.56	16	33.6	K0 J	11	6150	A -10 4592
30		8.8A	0 45.711	-0.0017	20	-18 2 52.71	0.006	15	0.33	45.740	18	33.6	52.81	16	33.6	A0 J	12B	7427	A -18 4769
31		8.8A	0 50.960	-0.0013	20	-18 18 20.45	0.005	15	0.33	50.981	18	33.6	20.54	16	33.6	A0 J	12B	7429	A -18 4771
32		8.8A	0 54.010	-0.0056	15	-12 46 13.02	-0.188	17	0.31	54.102	18	33.6	9.93	16	33.6	K0 J	11	6152	A -12 4910
33		8.8A	0 54.553	0.0043	20	-19 13 17.11	0.003	15	0.33	54.483	18	33.6	17.15	16	33.6	M1 J	12B	7430	A -19 4816
34		8.6A	0 59.967	-0.0008	17	-18 32 14.06	-0.015	12	0.29	59.981	18	33.6	13.80	16	33.6	G0 J	12B	7432	A -18 4773
35		8.2G	1 3.528	-0.0010	10	-19 27 43.79	-0.012	07	0.45	3.571	18	04.9	43.14	17	97.7	A0	GC	24582	-19 4819
36		9.1A	1 4.822	0.0007	20	-19 37 21.62	0.016	15	0.33	4.810	18	33.6	21.88	16	33.6	A5 J	12B	7434	A -19 4820
37		8.2A	1 26.726	0.0012	21	-17 21 25.01	0.003	15	0.34	26.707	18	33.6	25.06	16	33.6	B9 J	12A	6506	A -17 5005
38		7.7A	1 33.793	-0.0004	15	-10 54 50.59	0.006	17	0.31	33.798	18	33.6	50.68	16	33.6	G0 J	11	6153	A -10 4598
39		9.2A	1 36.575	-0.0018	21	-15 38 53.83	0.003	15	0.34	36.604	18	33.6	53.88	16	33.6	B5 J	12A	6507	A -15 4800
40		8.6A	1 43.446	0.0007	21	-17 2 7.75	-0.002	15	0.34	43.434	18	33.6	7.71	16	33.6	F0 J	12A	6508K	A -17 5007
41		8.5A	1 47.671	-0.0007	15	-10 47 20.05	-0.020	17	0.31	47.682	18	33.6	19.71	16	33.6	F8 J	11	6155	A -10 4600
42		8.4A	1 50.735	-0.0006	21	-15 21 59.11	-0.006	15	0.34	50.745	18	33.6	59.01	16	33.6	B	12A	6509	A -15 4803
43		7.8A	1 50.954	0.0010	13	-19 2 40.37	0.024	11	0.26	50.938	18	33.6	40.76	16	33.6	A2 J	12B	7444	A -19 4828
44		9.0A	1 54.134	-0.0029	21	-15 42 39.87	-0.007	15	0.34	54.181	18	33.6	39.75	16	33.6	M3 J	12A	6510	A -15 4805
45		9.0A	1 54.781	0.0004	17	-15 0 55.72	-0.040	13	0.30	54.775	18	33.6	55.06	16	33.6	K0 J	12A	6511	A -15 4806
46		8.9A	2 4.074	0.0001	21	-16 1 0.05	-0.105	15	0.34	4.073	18	33.6	58.32	16	33.6	G0 J	12A	6512	A -16 4702
47		8.9A	2 4.688	0.0045	21	-14 43 10.86	-0.021	15	0.34	4.613	18	33.6	10.53	16	33.6	G5 J	12A	6513	A -14 4872
48		8.5A	2 5.326	0.0019	21	-15 17 32.98	-0.048	12	0.33	5.295	18	33.6	32.19	16	33.6	G0 J	12A	6514	A -15 4808
49		9.0A	2 12.617	-0.0009	17	-19 22 24.74	-0.001	12	0.29	12.631	18	33.6	24.71	16	33.6	A5 J	12B	7446	A -19 4829
50		8.9A	2 14.440	-0.0009	20	-19 35 23.23	-0.020	15	0.33	14.454	18	33.6	22.90	16	33.6	A0 J	12B	7447	A -19 4830
51	18	8.1A	2 15.662	0.0008	13	-11 30 44.57	-0.017	15	0.29	15.649	18	33.6	44.29	16	33.6	A2 J	11	6157	A -11 4527
52		8.7A	2 19.925	-0.0005	15	-10 30 34.45	-0.026	17	0.31	19.933	18	33.6	34.01	16	33.6	A5 J	11	6159	A -10 4602
53		9.0A	2 20.574	0.0031	15	-13 45 14.95	0.004	15	0.30	20.523	18	33.6	15.01	16	33.6	A2 J	11	6158	A -13 4844
54		9.4A	2 30.684	-0.0008	21	-16 4 57.51	0.003	15	0.34	30.698	18	33.6	57.56	16	33.6	A3 J	12A	6516	A -16 4703
55		9.2A	2 30.862	-0.0005	18	-17 17 43.42	0.001	13	0.31	30.870	18	33.6	43.43	16	33.6	A2 J	12A	6515	A -17 5011
56		6.8T	2 35.518	-0.0008	10	-19 45 32.73	0.005	11	0.54	35.554	18	02.0	32.97	15	02.4	B9	GC	24631	-19 4832
57		7.3T	2 44.463	0.0015	17	-11 1 26.61	0.022	14	0.82	44.389	24	00.8	29.74	21	97.6	A5	GC	24636	-11 4529
58		8.8A	2 58.123	-0.0002	17	-19 28 2.86	-0.038	12	0.29	58.126	18	33.6	2.23	16	33.6	A0 J	12B	7454	A -19 4834
59		8.7A	2 58.217	-0.0002	15	-19 42 52.95	0.023	12	0.28	58.220	18	33.6	53.33	16	33.6	B9 J	12B	7453	A -19 4835
60		8.9A	3 0.781	-0.0011	20	-19 57 33.81	-0.028	15	0.33	0.798	18	33.6	33.35	16	33.6	B2 J	13A	7455	A -19 4836
61		8.4A	3 8.129	-0.0010	21	-14 12 12.74	0.010	15	0.34	8.146	18	33.6	12.90	16	33.6	B0 J	12A	6517	A -14 4880
62		9.0A	3 12.021	-0.0055	15	-13 38 51.20	-0.032	17	0.31	12.112	18	33.6	50.67	16	33.6	G0 J	11	6163	A -13 4849
63		9.3A	3 15.127	-0.0016	21	-14 8 17.69	-0.031	15	0.34	15.154	18	33.6	17.18	16	33.6	A2 J	12A	6518	A -14 4881
64		8.6A	3 18.290	-0.0012	15	-12 21 25.05	-0.049	17	0.31	18.310	18	33.6	24.23	16	33.6	F5 J	11	6165	A -12 4916
65		9.4A	3 20.029	0.0011	21	-15 3 10.81	-0.010	15	0.34	20.011	18	33.6	10.64	16	33.6	F2 J	12A	6519	A -15 4813
66		8.9A	3 20.694	-0.0017	20	-19 33 47.41	0.018	15	0.33	20.722	18	33.6	47.71	16	33.6	A2 J	12B	7460	A -19 4838
67		9.2A	3 23.973	-0.0035	18	-16 41 37.71	-0.014	13	0.31	24.030	18	33.6	37.48	16	33.6	B	12A	6520	A -16 4706
68		8.9A	3 25.399	0.0016	15	-11 19 31.04	0.004	15	0.30	25.372	18	33.6	31.09	16	33.6	A0 J	11	6167	A -11 4532
69		8.6A	3 27.448	0.0011	15	-12 38 20.46	-0.014	15	0.30	27.429	18	33.6	20.23	16	33.6	F8 J	11	6168	A -12 4918
70		9.6A	3 27.750	-0.0018	21	-14 7 28.34	-0.001	15	0.34	27.780	18	33.6	28.32	16	33.6	A0 J	12A	6521	A -14 4882
71		8.7A	3 34.185	-0.0000	20	-19 4 24.86	0.002	15	0.33	34.186	18	33.6	24.88	16	33.6	G0 J	12B	7463	A -19 4841
72		8.9A	3 34.784	-0.0003	13	-12 49 53.56	0.005	15	0.29	34.789	18	33.6	53.64	16	33.6	F8 J	11	6169	A -12 4919
73		9.1A	3 39.133	-0.0005	18	-17 12 22.57	0.004	13	0.31	39.141	18	33.6	22.63	16	33.6	A3 J	12A	6522	A -17 5020
74		8.2A	3 42.503	0.0054	21	-14 58 43.26	-0.021	15	0.34	42.414	18	33.6	42.93	16	33.6	F0 J	12A	6523	A -14 4884
75		9.1A	3 44.484	0.0008	21	-14 43 30.66	0.012	15	0.34	44.470	18	33.6	30.86	16	33.6	K5 J	12A	6524	A -14 4885
76		9.0A	3 45.852	-0.0009	15	-11 56 6.16	-0.015	15	0.30	45.866	18	33.6	5.90	16	33.6	A2 J	11	6170	A -11 4534
77		7.3A	3 46.020	0.0011	20	-18 59 25.39	0.012	15	0.33	46.001	18	33.6	25.58	16	33.6	A0 J	12B	7467	A -18 4789
78		8.8A	3 47.867	-0.0031	15	-10 17 45.33	-0.102	17	0.31	47.917	18	33.6	43.65	16	33.6	G0 J	11	6171	A -10 4611
79		8.8A	3 48.921	0.0008	21	-16 55 42.57	0.009	15	0.34	48.907	18	33.6	42.71	16	33.6	K2 J	12A	6525	A -16 4707
80		8.8A	3 51.808	-0.0008	15	-10 47 28.34	0.023	15	0.30	51.821	18	33.6	28.71	16	33.6	K5 J	11	6172	A -10 4612
81		9.4A	3 52.127	0.0004	21	-18 4 51.33	0.013	15	0.34	52.120	18	33.6	51.55	16	33.6	K2 J	12A	6526	A -18 4791
82		8.6A	3 58.396	-0.0016	15	-11 29 15.49	-0.091	17	0.31	58.423	18	33.6	15.99	16	33.6	F5 J	11	6173	A -11 4535
83		8.9A	3 59.177	-0.0011	17	-19 23 12.55	-0.034	12	0.29	59.195	18	33.6	11.98	16	33.6	G0 J	12B	7470K	A -19 4842
84		9.2A	4 11.080	-0.0001	21	-14 23 38.67	0.016	15	0.34	11.081	18	33.6	38.93	16	33.6	G0P J	12A	6527	A -14 4887
85		8.6A	4 12.825	0.0006	15	-13 14 33.63	0.004	17	0.31	12.815	18	33.6	33.69	16	33.6	A0 J	11	6174	A -13 4852
86		9.1A	4 13.479	0.0037	15	-10 40 4.05	0.016	13	0.29	13.418	18	33.6	4.31	16	33.6	F0 J	12A	6528	A -15 4819
87		9.0A	4 18.895	-0.0038	21	-16 39 49.64	-0.011	15	0.34	18.957	18	33.6	49.45	16	33.6	F5 J	12A	6529	A -16 4711
88		9.2A	4 23.832	0.0006	15	-15 33 48.90	0.027	11	0.27	23.821	18	33.6	49.34	16	33.6	B8 J	12A	6531	A -15 4821
89		8.9A	4 34.415	0.0012	21	-14 59 44.88	0.012	15	0.34	34.395	18	33.6	45.09	16	33.6	K5 J	12A	6532	A -15 4822
90		8.7A	4 35.554	-0.0001	21	-14 4 28.28	-0.009	15	0.34	35.556	18	33.6	28.13	16	33.6	K0 J	12A	6533	A -14 4892
91		9.1A	4 45.045	0.0006	17	-18 2 0.61	0.014	12	0.29	45.035	18	33.6	0.84	16	33.6	K5 J	12B	7479	A -18 4795
92		9.0A	4 50.801	0.0001	21	-16 2 55.75	0.002	15	0.34	50.800	18	33.6	55.78	16	33.6	K0 J	12A	6535	A -16 4716
93		5.7T	4 54.298	-0.0070	07	-17 9 45.90	0.058	07	0.31	54.598	07	06.9	48.42	09	06.5	K0	GC	24692	B*-17 5028
94		8.9A	5 0.016	0.0024	21	-14 17 52.28	0.016	15	0.34	-59.977	18	33.6	52.54	16	33.6	K5 J	12A	6537	A -14 4894
95		8.8A	5 3.152	0.0028	21	-14 17 16.95	0.006	15	0.34	3.107	18	33.6	17.05	16	33.6	A2 J	12A	6539	A -14 4895
96		9.3A	5 4.811	-0.0011	21	-16 37 33.77	-0.022	15	0.34	4.828	18	33.6	33.41	16	33.6	B9 J	12A	6538	A -16 4718
97		9.0A	5 8.157	0.0008	21	-15 58 5.13	0.023	15	0.34	8.143	18	33.6	5.51	16	33.6	F5 J	12A	6540	A -15 4826
98		9.0A	5 27.584	-0.0006	15	-19 57 16.74	-0.012	12	0.27	27.604	18	33.6	16.54	16	33.6	G0 J	13A	7484	A -19 4857
99		8.7A	5 29.205	-0.0001	20	-19 52 37.98	0.012	15	0.33	29.207	18	33.6	38.18	16	33.6	B9 J	13A	7485	A -19 4858
00		8.9A	5 30.041	-0.0000	13	-12 42 13.60	-0.020	15	0.29	30.042	18	33.6	13.27	16	33.6	A2 J	11	6176	A -12 4929

161100

EPOCH 1950 — ORIGINAL EPOCH — SOURCE — -10° 18H

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	σ'_μ ″.001	σ_{1950} ″	α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.		CAT.	STAR NUMBER	DM NUMBER
1		8.3A	18 5 31.143	0.0007	15	-10 33 31.23	-0.004	17	0.31	31.132	18	33.6	31.15	16	33.6	A3	J	11	6177	A -10 4616
2		8.3A	5 35.293	-0.0004	21	-16 25 29.95	0.016	15	0.34	35.300	18	33.6	30.21	16	33.6	B3	J	12A	6542	A -16 4720
3		9.0A	5 35.984	-0.0013	21	-16 29 52.90	-0.008	15	0.34	36.004	18	33.6	52.76	16	33.6	B9	J	12A	6543	A -16 4721
4		9.0A	5 36.076	-0.0007	21	-17 44 6.85	0.014	15	0.34	36.087	18	33.6	7.08	16	33.6	K0	J	12A	6541	A -17 5033
5		9.3A	5 50.062	0.0011	21	-15 1 50.36	0.002	15	0.34	50.044	18	33.6	50.39	16	33.6			12A	6544	A -15 4829
6		8.7A	5 54.156	-0.0007	17	-17 58 52.43	-0.017	12	0.29	54.168	18	33.6	52.16	16	33.6	K5	J	12B	7492	A -17 5034
7		9.2A	5 56.878	0.0027	21	-17 30 59.26	0.020	15	0.34	56.834	18	33.6	59.60	16	33.6	B8	J	12A	6546	A -17 5035
8		9.1A	6 1.096	-0.0017	18	-17 0 10.78	-0.006	13	0.31	1.123	18	33.6	10.68	16	33.6	B9	J	12A	6547	A -17 5037
9		9.0A	6 1.877	0.0018	21	-15 2 55.33	0.030	15	0.34	1.847	18	33.6	55.82	16	33.6	K5	J	12A	6548	A -15 4830
10		8.1A	6 6.757	-0.0002	15	-19 53 3.97	-0.006	12	0.27	6.740	16	33.6	3.87	16	33.6	B9	J	13A	7495	A -19 4863
11		9.2A	6 9.806	0.0004	21	-15 32 15.77	-0.014	15	0.34	9.799	18	33.6	15.54	16	33.6	A0	J	12A	6549	A -15 4832
12		9.0A	6 11.244	-0.0022	18	-16 24 46.33	-0.047	13	0.31	11.279	18	33.6	45.56	16	33.6	K0	J	12A	6550	A -16 4724
13		7.5A	6 12.242	0.0011	15	-11 45 10.24	-0.034	17	0.31	12.224	18	33.6	9.68	16	33.6	A0	J	11	6178	A -11 4541
14		9.2A	6 17.065	0.0010	21	-14 0 20.16	-0.007	15	0.34	17.046	18	33.6	20.04	16	33.6	B9	J	12A	6552	A -14 4904
15		8.7A	6 17.551	0.0005	21	-15 4 6.16	0.009	15	0.34	17.543	18	33.6	6.31	16	33.6	K5	J	12A	6551	A -15 4834
16		8.9A	6 18.185	0.0007	20	-19 43 57.06	0.049	15	0.33	18.173	18	33.6	57.86	16	33.6	A0	J	12B	7498	A -19 4866
17		9.2A	6 36.796	-0.0001	21	-14 40 54.20	-0.016	15	0.34	36.797	18	33.6	53.94	16	33.6	B9	J	12A	6553	A -14 4906
18		8.8A	6 39.393	-0.0003	17	-19 22 2.19	-0.009	12	0.29	39.398	18	33.6	2.04	16	33.6	B9	J	12B	7502	A -19 4871
19		9.4A	6 45.306	-0.0002	18	-17 32 33.55	-0.004	13	0.31	45.311	18	33.6	33.49	16	33.6	G0	J	12A	6554	A -17 5040
20		8.8A	6 45.437	-0.0002	21	-16 50 54.41	-0.003	15	0.34	45.439	18	33.6	54.36	16	33.6	B8	J	12A	6555	A -16 4728
21		9.1A	6 45.542	-0.0039	13	-12 44 1.54	-0.054	15	0.29	45.605	18	33.6	0.65	16	33.6	G5	J	11	6180	A -12 4934
22		8.2A	6 46.717	-0.0023	15	-10 49 54.66	-0.043	17	0.31	46.754	18	33.6	53.94	16	33.6	G5	J	11	6181	A -10 4619
23		9.0A	6 50.943	0.0005	18	-14 53 2.80	0.005	13	0.31	50.935	18	33.6	2.88	16	33.6	B8	J	12A	6557	A -14 4907
24		7.8A	6 51.041	0.0013	18	-15 17 33.15	-0.013	15	0.32	51.019	18	33.6	32.93	16	33.6	M2	J	12A	6556	A -15 4840
25		6.5H	6 52.968	0.0008	03	-13 56 40.19	-0.005	03	0.08	52.949	04	28.0	40.06	04	25.5	K0		F4	1472	-13 4863
26		9.2A	6 56.090	0.0005	21	-14 12 15.05	-0.005	15	0.34	56.082	18	33.6	14.96	16	33.6	B3	J	12A	6559	A -14 4908
27		7.6T	6 57.624	-0.0014	13	-11 44 5.69	-0.025	12	0.64	57.692	19	01.8	4.39	18	99.0	K2		GC	24752	-11 4545
28		9.0A	6 58.299	0.0004	21	-15 33 37.34	0.003	15	0.34	58.292	18	33.6	37.39	16	33.6	SeC	J	12A	6560	A -15 4842
29		9.0A	7 4.746	0.0009	13	-11 45 36.79	-0.019	15	0.29	4.732	18	33.6	36.47	16	33.6	K5	J	11	6184	A -11 4546
30		9.3A	7 6.453	0.0002	15	-15 15 41.42	0.010	15	0.30	6.449	18	33.6	41.58	16	33.6	F5	J	12A	6561	A -15 4843
31		8.9A	7 12.159	-0.0007	18	-17 12 58.65	-0.007	13	0.31	12.170	18	33.6	58.53	16	33.6	K5	J	12A	6562	A -17 5044
32		8.8A	7 14.512	-0.0016	21	-17 44 35.48	0.021	15	0.34	14.538	18	33.6	35.83	16	33.6	K2	J	12A	6563	A -17 5045
33		9.0A	7 18.934	-0.0003	21	-16 16 20.75	-0.025	15	0.34	18.938	18	33.6	20.34	16	33.6	B8	J	12A	6564	A -16 4732
34		8.7A	7 22.556	-0.0011	20	-18 12 19.74	0.005	15	0.33	22.573	18	33.6	19.83	16	33.6	B2	J	12B	7508	A -18 4815
35		9.1A	7 23.355	-0.0001	17	-14 10 43.45	-0.019	13	0.30	23.357	18	33.6	43.13	16	33.6	A5	J	12A	6565	A -14 4910
36		8.7A	7 36.794	0.0007	21	-17 46 6.84	0.000	15	0.34	36.782	18	33.6	6.85	16	33.6	B9	J	12A	6566	A -17 5048
37		8.6A	7 38.408	-0.0017	18	-18 42 39.38	-0.000	13	0.31	38.436	18	33.6	39.37	16	33.6	G5	J	12B	7511	A -18 4818
38		8.9A	7 39.478	0.0015	21	-16 45 9.07	-0.002	15	0.34	39.453	18	33.6	9.03	16	33.6	B	J	12A	6567	A -16 4736
39		8.8A	7 39.695	0.0013	21	-16 45 36.69	0.016	15	0.34	39.673	18	33.6	36.95	16	33.6	B	J	12A	6568	A -16 4736
40		8.9A	7 41.242	-0.0008	20	-19 10 40.52	0.012	15	0.33	41.255	18	33.6	40.71	16	33.6	B3	J	12B	7512	A -19 4882
41		9.0A	7 41.495	-0.0017	20	-19 18 37.94	-0.016	15	0.33	41.522	18	33.6	37.67	16	33.6	A0	J	12B	7513	A -19 4883
42		8.8A	7 43.902	0.0011	21	-16 50 8.35	-0.005	15	0.34	43.884	18	33.6	8.26	16	33.6	B3	J	12A	6569	A -16 4737
43		8.9A	7 46.681	0.0019	20	-17 55 43.56	0.046	15	0.33	46.650	18	33.6	44.32	16	33.6	K2	J	12B	7515	A -17 5050
44		9.1A	7 49.027	-0.0015	18	-16 43 29.01	0.007	13	0.31	49.052	18	33.6	29.12	16	33.6	B5	J	12A	6572	A -16 4739
45		9.2A	7 49.734	0.0019	21	-17 9 5.93	0.010	15	0.34	49.702	18	33.6	6.09	16	33.6			12A	6571	A -17 5051
46		8.8A	7 50.763	0.0007	21	-17 9 17.52	-0.038	15	0.34	50.751	18	33.6	16.89	16	33.6	G5	J	12A	6573	A -17 5052
47		7.5A	7 58.430	0.0006	15	-11 1 59.53	-0.016	15	0.30	58.420	18	33.6	59.26	16	33.6	K2	J	11	6186	A -11 4548
48		8.8A	7 58.506	-0.0011	15	-13 0 10.18	-0.012	17	0.31	58.524	18	33.6	9.98	16	33.6	K5	J	11	6185	A -13 4869
49		8.9A	8 2.429	0.0001	13	-12 57 30.72	-0.050	15	0.29	2.427	18	33.6	29.89	16	33.6	G0	J	11	6187	A -12 4939
50		8.4A	8 6.411	-0.0003	21	-14 44 32.73	-0.050	15	0.34	6.415	18	33.6	31.91	16	33.6	K2	J	12A	6575	A -14 4914
51		9.2A	18 8 9.473	-0.0010	18	-17 29 52.26	0.010	13	0.31	9.489	18	33.6	52.42	16	33.6	B8	J	12A	6574	A -17 5054
52		8.8A	8 15.940	-0.0022	21	-17 23 42.82	0.010	15	0.34	15.976	18	33.6	42.98	16	33.6			12A	6576	A -17 5055
53		6.3T	8 16.916	-0.0002	08	-19 51 12.82	-0.029	08	0.39	16.923	10	01.5	11.40	10	01.2	A2		GC	24788K	B*-19 4886
54		8.4A	8 17.887	-0.0003	17	-15 54 23.66	-0.021	12	0.29	17.891	18	33.6	23.31	16	33.6	B8	J	12A	6577	A -15 4849
55		8.8A	8 19.421	0.0013	18	-16 42 56.70	0.003	13	0.31	19.399	18	33.6	56.75	16	33.6	B3	J	12A	6578	A -16 4744
56		9.1A	8 23.305	0.0007	18	-14 26 4.49	-0.008	13	0.31	23.294	18	33.6	4.35	16	33.6	A0	J	12A	6579	A -14 4918
57		7.7A	8 40.956	-0.0025	15	-11 19 17.04	0.020	17	0.31	40.996	18	33.6	17.36	16	33.6	G5	J	11	6188	A -11 4554
58		9.4A	8 41.730	-0.0023	21	-15 26 8.76	0.009	15	0.34	41.767	18	33.6	8.90	16	33.6	A0	J	12A	6580	A -15 4852
59		9.1A	8 45.639	-0.0004	13	-10 16 34.26	-0.000	15	0.29	45.645	18	33.6	34.25	16	33.6	K5	J	11	6189	A -10 4622
60		8.9A	8 49.367	0.0000	20	-19 3 24.43	-0.007	15	0.33	49.366	18	33.6	24.31	16	33.6	B9	J	12B	7524	A -19 4892
61		9.0A	8 50.155	0.0018	21	-16 5 30.32	0.003	15	0.34	50.125	18	33.6	30.37	16	33.6	B9	J	12A	6581	A -16 4746
62		8.6A	8 50.513	0.0023	21	-15 12 46.22	-0.008	15	0.34	50.475	18	33.6	46.08	16	33.6	F0	J	12A	6583	A -15 4853
63		9.0A	8 50.876	0.0024	21	-15 35 42.73	-0.015	15	0.34	50.836	18	33.6	42.48	16	33.6	B2	J	12A	6582	A -15 4854
64		8.8A	8 53.533	-0.0009	21	-16 54 23.11	0.001	15	0.34	53.548	18	33.6	23.12	16	33.6	B2	J	12A	6584	A -16 4747
65		8.8A	8 56.934	0.0005	18	-19 4 10.53	0.014	13	0.31	56.925	18	33.6	10.75	16	33.6	B	J	12B	7528	A -19 4894
66		8.4A	8 58.376	-0.0006	21	-15 41 33.13	-0.017	15	0.34	58.385	18	33.6	32.85	16	33.6	B2	J	12A	6585	A -15 4856
67		9.1A	8 58.982	-0.0010	18	-18 41 10.46	-0.020	13	0.31	58.998	18	33.6	10.12	16	33.6	K2	J	12B	7529	A -18 4828
68		9.3A	8 59.163	-0.0014	21	-15 6 12.77	-0.006	15	0.34	59.185	18	33.6	12.67	16	33.6	B	J	12A	6586	A -15 4857
69		9.0A	9 13.599	-0.0001	21	-15 17 56.68	0.011	15	0.34	13.601	18	33.6	56.85	16	33.6	K0	J	12A	6587	A -15 4859
70		9.2A	9 15.447	-0.0012	20	-18 26 36.54	0.007	15	0.33	15.466	18	33.6	36.66	16	33.6	A2	J	12B	7531	A -18 4830
71		8.6A	9 16.781	0.0010	15	-13 49 2.59	0.026	17	0.31	16.765	18	33.6	3.01	16	33.6	K5	J	11	6190	A -13 4875
72		7.1T	9 17.380	0.0004	15	-19 26 45.43	-0.007	12	0.70	17.359	21	02.6	45.06	19	99.9	B2		GC	24812	-19 4895
73		9.0A	9 18.549	0.0004	21	-14 1 15.11	-0.006	15	0.34	18.542	18	33.6	15.01	16	33.6	F0	J	12A	6589	A -14 4928
74		9.0A	9 19.449	0.0012	21	-17 23 22.22	-0.003	15	0.34	19.429	18	33.6	22.17	16	33.6	F0	J	12A	6588	A -17 5064
75		9.2A	9 25.151	-0.0008	11	-10 2 55.34	-0.031	11	0.23	23.164	16	33.6	54.83	16	33.6	A2		16	6116	A -10 4624
76		8.9A	9 23.611	-0.0035	15	-13 32 6.88	-0.047	17	0.31	23.669	18	33.6	6.10	16	33.6	G0	J	11	6192	A -13 4877
77		9.2A	9 26.060	0.0007	21	-15 34 50.68	-0.007	15	0.34	26.048	18	33.6	50.56	16	33.6	B3	J	12A	6590	A -15 4861
78		8.9A	9 31.611	-0.0011	21	-15 11 26.85	-0.020	15	0.34	31.629	18	33.6	26.52	16	33.6	K0	J	12A	6591	A -15 4862
79		9.0A	9 33.195	-0.0001	20	-18 52 28.85	0.006	15	0.33	33.197	18	33.6	28.94	16	33.6	F0	J	12B	7533	A -18 4832
80		8.2A	9 34.145	-0.0017	21	-16 23 39.18	-0.030	15	0.34	34.173	18	33.6	38.68	16	33.6	B0	J	12A	6592	A -16 4752
81		8.7A	9 36.345	0.0001	18	-15 23 12.08	-0.004	13	0.31	36.344	18	33.6	12.01	16	33.6	B5	J	12A	6593	A -15 4864
82		8.2A	9 38.219	0.0006	15	-10 44 41.06	0.004	17	0.31	38.209	18	33.6	41.11	16	33.6	B0	J	11	6194	A -10 4625
83		9.0A	9 40.151	-0.0008	15	-11 21 51.08	-0.024	15	0.30	40.160	18	33.6	50.68	16	33.6	A3	J	11	6195	A -11 4557
84		8.9A	9 42.448	0.0007	21	-15 36 18.60	-0.019	15	0.34	42.436	18	33.6	18.29	16	33.6	K5	J	12A	6594	A -15 4865
85		8.5A	9 45.425	0.0003	15	-16 1 15.26	0.004	11	0.27	45.419	18	33.6	15.32	16	33.6	K0	J	12A	6595	A -16 4753
86		8.4A	9 49.892	0.0005	21	-17 25 40.84	0.019	15	0.34	49.884	18	33.6	41.15	16	33.6	M4	J	12A	6596	A -17 5066
87		8.0A	9 54.596	-0.0020	18	-18 35 22.46	-0.034	13	0.31	54.629	18	33.6	21.90	16	33.6	K2	J	12A	6597	A -16 4754
88		9.2A	9 55.175	-0.0006	18	-16 18 34.38	-0.004	13	0.31	55.184	18	33.6	34.31	16	33.6	B	J	12A	6598	A -16 4755
89		9.2A	9 55.965	-0.0022	24	-16 17 43.05	-0.011	17	0.38	56.000	18	33.6	42.87	16	33.6	B	J	12A	6599	A -16 4756
90		8.0A	9 58.423	0.0013	20	-19 45 33.11	-0.010	15	0.33	58.401	18	33.6	32.94	16	33.6	B3	J	12B	7539	A -19 4900
91		8.4A	10 4.224	0.0002	21	-15 12 22.90	-0.010	15	0.34	4.222	18	33.6	22.73	16	33.6	B3	J	12A	6600	A -15 4868
92		9.0A	10 4.547	0.0072	18	-19 15 1.28	-0.053	13	0.31	4.428	18	33.6	0.40	16	33.6	K0	J	12B	7540	A -19 4901
93		8.9A	10 14.766	-0.0018	15	-10 27 56.75	-0.018	17	0.31	14.795	18	33.6	56.45	16	33.6	K0	J	11	6196	A -10 4629
94		8.6A	10 23.164	-0.0017	21	-14 26 58.30	-0.008	15	0.34	23.192	18	33.6	58.17	16	33.6	B8	J	12A	6601	A -14 4934
95		9.2A	10 44.357	0.0015	13	-11 54 12.38	0.028	15	0.29	44.332	18	33.6	12.83	16	33.6	A7	J	11	6197	A -11 4562
96		9.2A	10 48.105	0.0003	21	-15 43 14.82	-0.019	15	0.34	48.099	18	33.6	14.51	16	33.6	K2	J	12A	6603	A -15 4876
97		8.9A	10 50.049	0.0008	18	-17 10 19.64	-0.022	13	0.31	50.035	18	33.6	19.28	16	33.6	M	J	12A	6604	A -17 5074
98		9.1A	10 50.653	0.0005	21	-17 9 23.07	-0.022	15	0.34	50.644	18	33.6	22.71	16	33.6	B5	J	12A	6605	A -17 5075
99		9.2A	10 51.981	0.0001	18	-14 11 21.84	-0.011	13	0.31	51.980	18	33.6	21.65	16	33.6	A0	J	12A	6606	A -14 4940
00		8.8A	10 54.602	-0.0012	20	-19 0 15.62	0.012	15	0.33	54.621	18	33.6	15.81	16	33.6	B2	J	12B	7553	A -19 4909

161200

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	EPOCH 1950 μ s	EPOCH 1950 σ_μ ″.001	EPOCH 1950 δ_{1950} ° ′ ″	EPOCH 1950 μ' ″	EPOCH 1950 $\sigma_{\mu'}$ ″.001	EPOCH 1950 σ_{1950} ″	ORIGINAL EPOCH α_2 s	ORIGINAL EPOCH σ ″.01	ORIGINAL EPOCH ep.	ORIGINAL EPOCH δ_2 ″	ORIGINAL EPOCH σ' ″.01	ORIGINAL EPOCH ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	-10° 18H DM NUMBER
1		9.2A	18 10 56.632	0.0010	21	-15 49 26.82	-0.019	15	0.34	56.616	18	33.6	26.51	16	33.6	B8 J	12A	6607	A -15 4878
2		9.3A	11 9.840	-0.0028	20	-19 12 48.91	0.001	15	0.33	9.885	18	33.6	48.92	16	33.6	F5 J	12B	7556	A -19 4913
3		8.6A	11 15.304	0.0011	13	-12 35 28.98	-0.016	15	0.29	15.286	18	33.6	28.71	16	33.6	G0 J	11	6198	A -12 4950
4		9.1A	11 29.593	0.0001	17	-17 58 6.16	0.001	12	0.29	29.592	18	33.6	6.18	16	33.6	F0 J	12B	7561	A -17 5079
5		8.5A	11 29.828	0.0006	20	-18 9 59.87	-0.017	15	0.33	29.815	18	33.6	59.60	16	33.6	B8 J	12B	7559	A -18 4851
6		8.9A	11 31.740	0.0013	20	-18 17 21.58	0.003	15	0.33	31.718	18	33.6	21.63	16	33.6	F5 J	12B	7562	A -18 4853
7		8.9A	11 36.400	-0.0008	13	-10 41 39.93	-0.011	15	0.29	36.414	18	33.6	39.75	16	33.6	K5 J	11	6200	A -10 4632
8		8.2A	11 37.351	0.0017	20	-19 4 19.97	-0.000	15	0.33	37.522	18	33.6	19.96	16	33.6	B3 J	12B	7564	A -19 4917
9		9.0A	11 43.351	0.0007	21	-17 22 44.33	-0.016	15	0.34	43.339	18	33.6	44.06	16	33.6	B8 J	12A	6609	A -17 5080
10		8.5A	11 51.305	-0.0005	13	-11 13 57.19	0.019	15	0.29	51.313	18	33.6	57.49	16	33.6	B9 J	11	6201K	A -11 4566
11		9.2A	11 58.774	0.0001	21	-14 52 51.47	-0.022	15	0.34	58.771	18	33.6	51.10	16	33.6	K5 J	12A	6610	A -14 4946
12		7.6A	12 5.552	0.0004	21	-15 26 4.44	-0.012	15	0.34	5.545	18	33.6	4.24	16	33.6	K0 J	12A	6611	A -15 4889
13		9.1A	12 13.629	0.0025	21	-16 5 30.54	-0.001	15	0.34	13.588	18	33.6	30.52	16	33.6	G0 J	12A	6612	A -16 4786
14		9.0A	12 14.056	-0.0004	21	-16 2 40.34	-0.014	15	0.34	14.063	18	33.6	40.31	16	33.6	B8 J	12A	6613	A -16 4767
15		9.1A	12 16.524	0.0010	21	-15 40 55.34	-0.010	15	0.34	16.508	18	33.6	55.18	16	33.6	K0 J	12A	6615	A -15 4890
16		9.2A	12 18.186	-0.0001	21	-17 39 15.48	-0.032	15	0.34	18.188	18	33.6	14.96	16	33.6	B9 J	12A	6614	A -17 5087
17		8.0A	12 19.977	-0.0021	20	-19 0 33.75	-0.003	15	0.33	20.012	18	33.6	33.69	16	33.6	B0 J	12B	7575	A -19 4926
18		8.8A	12 21.264	0.0003	18	-17 7 17.55	0.000	13	0.31	21.259	18	33.6	17.55	16	33.6	B9 J	12A	6616	A -17 5088
19		8.5A	12 23.327	-0.0002	15	-12 31 4.60	-0.011	17	0.31	23.331	18	33.6	4.42	16	33.6	B J	11	6202	A -12 4953
20		9.0A	12 23.459	-0.0055	18	-19 57 14.29	-0.087	13	0.30	23.549	16	33.6	12.86	16	33.6	G0 J	13A	7576	A -19 4929
21		8.1A	12 24.591	-0.0030	15	-12 33 12.49	0.009	17	0.31	24.639	18	33.6	12.63	16	33.6	B0 J	11	6203	A -12 4954
22		8.2A	12 26.840	0.0019	21	-16 50 55.07	0.000	15	0.34	26.208	18	33.6	55.07	16	33.6	B8 J	12A	6617	A -16 4771
23		9.4A	12 29.979	-0.0001	21	-15 58 20.35	0.008	15	0.34	29.980	18	33.6	20.48	16	33.6	B5 J	12A	6619	A -15 4893
24		9.4A	12 30.107	-0.0023	21	-13 55 37.49	-0.055	15	0.34	30.145	18	33.6	36.58	16	33.6	F5 J	12A	6620	A -13 4893
25		8.9A	12 30.556	0.0006	18	-16 48 45.41	-0.033	13	0.31	30.546	18	33.6	44.87	16	33.6	K0 J	12A	6618	A -16 4775
26		8.7A	12 31.584	-0.0001	18	-18 22 25.96	0.025	13	0.31	31.585	18	33.6	26.38	16	33.6	B5 J	12B	7578	A -18 4863
27		6.1T	12 34.470	0.0009	12	-18 40 42.68	0.005	12	0.56	34.427	09	04.6	42.89	10	04.0	A2	GC	249008	-18 4864
28		8.8A	12 47.973	0.0019	21	-15 54 39.14	-0.003	15	0.34	47.941	18	33.6	39.09	16	33.6	B8 J	12A	6621	A -15 4896
29		9.2A	12 49.631	-0.0016	20	-18 55 42.52	0.001	15	0.33	49.657	18	33.6	42.53	16	33.6	B3 J	12B	7582	A -18 4866
30		9.2A	12 51.597	0.0025	21	-14 45 1.10	-0.017	15	0.34	51.556	18	33.6	0.81	16	33.6	B5 J	12A	6623	A -14 4953
31		9.0A	12 55.977	0.0033	22	-16 2 29.12	-0.023	17	0.37	55.922	18	33.6	28.74	16	33.6	K5 J	12A	6624	A -16 4777
32		9.4A	12 57.839	0.0017	21	-15 55 1.31	0.016	15	0.34	57.810	18	33.6	1.57	16	33.6	B9 J	12A	6625	A -15 4897
33		8.2A	13 2.944	-0.0001	21	-17 37 31.17	-0.004	15	0.34	2.946	18	33.6	31.11	16	33.6	B8 J	12A	6626	A -17 5094
34		8.2A	13 4.957	-0.0009	15	-13 35 30.11	0.056	17	0.31	4.972	18	33.6	31.03	16	33.6	B2 J	11	6206	A -13 4897
35		9.4A	13 5.041	-0.0022	18	-16 1 18.46	-0.007	13	0.31	5.076	18	33.6	18.34	16	33.6	B8 J	12A	6627	A -16 4778
36		8.4A	13 9.188	-0.0018	13	-11 2 4.86	-0.036	15	0.29	9.218	18	33.6	4.27	16	33.6	F8 J	11	6207	A -11 4572
37		8.8A	13 10.585	0.0013	21	-14 56 30.20	0.006	15	0.34	10.563	18	33.6	30.31	16	33.6	A0 J	12A	6628	A -14 4955
38		9.0A	13 11.486	-0.0001	21	-14 19 24.97	0.004	15	0.34	11.487	18	33.6	25.03	16	33.6	B3 J	12A	6630	A -14 4956
39		9.1A	13 13.430	-0.0003	12	-10 6 34.65	-0.005	12	0.25	13.435	18	33.6	34.60	16	33.6	F5	16	6132K	A -10 4639
40		9.1A	13 14.250	0.0003	21	-16 51 43.53	-0.007	15	0.34	14.245	18	33.6	43.41	16	33.6	B8 J	12A	6629	A -16 4779
41		8.6A	13 15.536	0.0009	20	-18 49 0.33	0.004	15	0.33	15.524	18	33.6	0.39	16	33.6	B3 J	12B	7587	A -18 4873
42		7.9A	13 17.757	-0.0025	15	-11 11 49.49	-0.081	15	0.30	17.778	18	33.6	48.65	16	33.6	F5 J	11	6209	A -11 4573
43		9.0A	13 19.783	-0.0009	21	-16 49 10.75	-0.033	15	0.34	19.797	18	33.6	10.20	16	33.6	A0 J	12A	6631	A -16 4781
44		8.9A	13 24.013	0.0027	21	-14 39 46.72	-0.011	15	0.34	23.989	18	33.6	46.54	16	33.6	B2 J	12A	6632	A -14 4959
45		8.7A	13 28.928	0.0004	17	-18 59 26.22	0.022	12	0.29	28.922	18	33.6	26.57	16	33.6	B8 J	12B	7588	A -19 4939
46		9.0A	13 38.327	0.0008	21	-14 15 50.55	-0.029	15	0.34	38.314	18	33.6	50.07	16	33.6	B8 J	12A	6633	A -14 4962
47		8.6A	13 41.206	-0.0003	00	-18 49 28.77	-0.000	15	0.24	41.210	18	33.6	28.76	16	33.6	K0 J	12B	7590	A -18 4880
48		9.1A	13 46.457	0.0020	18	-14 40 39.33	0.006	13	0.31	46.424	18	33.6	39.43	16	33.6	A3 J	12A	6634	A -14 4964
49		9.0A	13 53.086	-0.0001	20	-18 34 8.10	0.003	15	0.33	53.088	18	33.6	8.14	16	33.6	B5 J	12B	7591	A -18 4882
50		9.0A	13 53.869	-0.0007	15	-13 3 46.34	0.022	17	0.31	53.881	18	33.6	46.70	16	33.6	B9 J	11	6212	A -13 4904
51		8.8A	18 13 56.086	-0.0010	21	-16 32 11.59	-0.004	15	0.34	56.102	18	33.6	11.52	16	33.6	OE5 J	12A	6635	A -16 4786
52		8.6A	13 57.983	-0.0011	17	-17 57 40.84	-0.002	12	0.29	58.001	18	33.6	40.81	16	33.6	B8 J	12B	7592	A -17 5107
53		9.0A	13 59.097	-0.0011	21	-16 24 51.50	0.005	15	0.34	59.114	18	33.6	51.58	16	33.6	B3 J	12A	6637	A -16 4787
54		9.2A	14 1.710	0.0023	21	-14 30 2.83	-0.009	15	0.34	1.671	18	33.6	2.69	16	33.6	F5 J	12A	6638	A -14 4965
55		7.5A	14 1.886	0.0000	20	-18 59 12.75	0.003	15	0.33	1.866	18	33.6	12.79	16	33.6	B2 J	12B	7593	A -19 4944
56		8.4A	14 2.048	0.0045	17	-11 25 17.44	-0.186	18	0.33	1.973	18	33.6	14.38	16	33.6	G0 J	11	6213	A -11 4578
57		8.2A	14 2.894	0.0017	20	-19 5 41.16	-0.011	15	0.33	2.867	18	33.6	40.97	16	33.6	G5 J	12B	7594	A -19 4945
58		8.2A	14 8.124	0.0081	13	-10 28 31.97	-0.163	15	0.29	7.990	18	33.6	29.29	16	33.6	G0 J	11	6215	A -10 4642
59		9.3A	14 11.342	-0.0012	21	-13 51 18.06	-0.025	15	0.34	11.362	18	33.6	17.68	16	33.6	F8 J	12A	6639	A -13 4906
60		6.0T	14 16.989	-0.0003	07	-17 23 34.42	-0.020	07	0.31	17.001	06	06.9	33.57	07	07.7	K5	GC	249466	-17 5112
61		9.2A	14 21.550	0.0006	21	-15 44 21.54	-0.012	15	0.34	21.540	18	33.6	21.34	16	33.6	B8 J	12A	6642	A -15 4908
62		9.0A	14 22.744	0.0032	21	-16 56 52.28	-0.008	15	0.34	22.691	18	33.6	52.15	16	33.6	G5 J	12A	6641	A -16 4790
63		9.2A	14 24.705	0.0001	21	-16 5 24.63	-0.005	15	0.34	24.703	18	33.6	24.55	16	33.6	B8 J	12A	6643	A -16 4791
64		9.0A	14 24.843	0.0001	21	-15 38 27.77	-0.011	15	0.34	24.841	18	33.6	27.59	16	33.6	F0 J	12A	6644	A -15 4910
65		8.3A	14 29.528	0.0015	17	-19 30 26.34	-0.045	12	0.29	29.504	18	33.6	25.60	16	33.6	F5 J	12B	7596	A -19 4952
66		8.6A	14 32.088	0.0002	13	-12 15 4.56	0.023	15	0.29	32.061	18	33.6	4.93	16	33.6	B9 J	11	6216	A -12 4963
67		6.4T	14 32.490	-0.0003	05	-18 28 58.27	-0.001	06	0.31	32.504	14	93.9	58.23	12	98.4	OE5	GC	24950	B0-18 4886
68		8.7A	14 34.581	0.0007	21	-14 52 5.56	0.001	15	0.34	34.569	18	33.6	5.58	16	33.6	B8 J	12A	6647	A -14 4969
69		9.0A	14 35.665	-0.0005	21	-16 15 38.94	0.006	15	0.34	35.673	18	33.6	39.04	16	33.6	B J	12A	6645	A -16 4792
70		9.4A	14 35.855	0.0006	21	-16 19 17.92	-0.001	15	0.34	35.846	18	33.6	17.90	16	33.6	A0 J	12A	6646	A -16 4793
71		8.2A	14 39.846	0.0026	15	-12 44 36.22	0.001	15	0.30	39.802	18	33.6	36.23	16	33.6	K5 J	11	6217	A -12 4965
72		8.6A	14 40.116	-0.0006	21	-14 28 19.21	0.016	15	0.34	40.126	18	33.6	19.47	16	33.6	A0 J	12A	6648	A -14 4971
73		7.6T	14 42.471	0.0022	12	-19 41 30.24	0.010	09	0.53	42.368	19	04.0	30.74	18	00.2	B2	GC	249548	B0-19 4953
74		8.9A	14 43.428	0.0009	13	-12 7 28.21	0.009	15	0.29	43.411	18	33.6	28.35	16	33.6	B J	11	6218	A -12 4969
75		6.6T	14 45.516	-0.0001	17	-15 27 0.78	0.018	13	0.74	45.523	21	04.8	1.64	19	01.6	B0	GC	24955	-15 4911
76		9.3A	14 51.290	0.0003	17	-13 10 43.66	-0.019	18	0.33	51.285	18	33.6	43.34	16	33.6	M0 J	11	6219	A -13 4911
77		8.7A	14 53.237	0.0015	15	-11 15 57.48	-0.013	17	0.31	53.211	18	33.6	57.26	16	33.6	B9 J	11	6220	A -11 4583
78		6.6T	14 54.612	-0.0005	10	-18 49 5.46	0.011	09	0.51	54.634	18	01.8	6.02	18	97.2	B5	GC	249608	-18 4888
79		9.2A	14 54.663	-0.0003	21	-14 56 18.22	0.017	15	0.34	54.688	18	33.6	18.49	16	33.6	K2 J	12A	6651	A -14 4973
80		8.6A	14 58.424	-0.0022	17	-12 31 9.34	-0.000	18	0.33	58.461	18	33.6	9.34	16	33.6	B0 J	11	6222	A -12 4970
81		8.8A	14 58.774	-0.0008	17	-12 16 59.67	0.019	18	0.33	58.787	18	33.6	59.98	16	33.6	K0 J	11	6223	A -12 4971
82		8.9A	14 59.322	0.0004	17	-17 50 56.65	0.020	12	0.29	59.316	18	33.6	56.99	16	33.6	M2 J	12B	7604	A -17 5117
83		9.3A	15 0.344	-0.0016	21	+14 5 54.06	0.009	15	0.34	0.370	18	33.6	54.20	16	33.6	F5 J	12A	6653	A -14 4975
84		8.5A	15 2.055	0.0011	20	-18 43 20.70	0.012	15	0.33	2.036	18	33.6	20.89	16	33.6	F8 J	12B	7605	A -18 4891
85		9.2A	15 2.343	-0.0032	21	-14 29 2.19	-0.006	15	0.34	2.395	18	33.6	2.09	16	33.6	B9 J	12A	6654	A -14 4976
86		8.9A	15 5.125	0.0029	18	-19 6 24.88	0.014	15	0.32	5.078	18	33.6	25.10	16	33.6	B0 J	12B	7606	A -19 4955
87		8.9A	15 6.008	-0.0009	17	-12 44 58.39	-0.029	18	0.33	6.022	18	33.6	57.91	16	33.6	B8 J	11	6224	A -12 4972
88		9.0A	15 6.861	0.0014	20	-18 46 57.09	0.011	15	0.33	6.838	18	33.6	57.26	16	33.6	K0 J	12B	7607	A -18 4893
89		7.6A	15 9.235	-0.0013	17	-12 53 24.40	-0.006	18	0.33	9.257	18	33.6	24.30	16	33.6	A0 J	11	6226	A -12 4974
90		8.7A	15 15.430	-0.0008	17	-13 11 4.26	0.042	18	0.33	15.442	18	33.6	4.94	16	33.6	F5 J	11	6227K	A -13 4916
91		8.7A	15 16.230	-0.0001	18	-11 18 50.60	0.041	20	0.35	16.231	18	33.6	51.26	16	33.6	B J	11	6228	A -11 4586
92		7.3T	15 17.602	-0.0009	11	-12 15 45.67	0.012	08	0.58	17.651	21	96.8	46.33	19	93.0	B0	GC	24969	-12 4980
93		8.8A	15 21.732	0.0009	18	-12 12 0.01	0.014	20	0.35	21.718	18	33.6	0.23	16	33.6	B0 J	11	6230	A -12 4982
94		8.0A	15 28.655	0.0009	20	-18 29 46.18	0.008	15	0.33	28.640	18	33.6	46.32	16	33.6	K5 J	12B	7610	A -18 4895
95		7.9A	15 29.264	-0.0007	21	-17 33 17.24	-0.004	15	0.34	29.275	18	33.6	17.18	16	33.6	K0 J	12A	6655	A -17 5121
96		8.8A	15 32.418	-0.0006	18	-13 24 28.78	0.028	20	0.35	32.428	18	33.6	27.24	16	33.6	B8 J	11	6231	A -13 4919
97		9.0A	15 33.975	-0.0001	18	-14 11 41.54	-0.061	13	0.31	33.976	18	33.6	40.53	16	33.6	K0 J	12A	6658	A -14 4984
98		9.4A	15 34.583	0.0012	21	-15 27 47.20	-0.039	15	0.34	34.564	18	33.6	46.56	16	33.6	G0 J	12A	6656	A -15 4916
99		9.0A	15 36.304	0.0000	21	-14 5 34.85	-0.016	15	0.34	36.304	18	33.6	34.58	16	33.6	K5 J	12A	6659	A -14 4985
00		8.9A	15 36.836	-0.0009	21	-17 7 49.18	-0.026	15	0.34	36.851	18	33.6	48.75	16	33.6	K5 J	12A	6657	A -17 5122

161300

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	EPOCH 1950 μ s	EPOCH 1950 σ_μ ″.001	EPOCH 1950 δ_{1950} ° ′ ″	EPOCH 1950 μ' ″	EPOCH 1950 $\sigma_{\mu'}$ ″.001	EPOCH 1950 σ_{1950} ″	ORIGINAL EPOCH α_2 s	ORIGINAL EPOCH σ ″.01	ORIGINAL EPOCH ep.	ORIGINAL EPOCH δ_2 ″	ORIGINAL EPOCH σ' ″.01	ORIGINAL EPOCH ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	SOURCE DM NUMBER
1		8.8A	18 15 44.583	-0.0045	17	-10 52 45.32	-0.013	18	0.33	44.656	18	33.6	45.10	16	33.6	F5 J	11	6236	A -10 4646
2		9.0A	15 45.915	0.0025	21	-13 48 51.85	-0.016	15	0.34	45.874	18	33.6	51.58	16	33.6	B J	12A	6660	A -13 4925
3		8.9A	15 46.271	0.0008	18	-13 49 17.50	0.007	13	0.31	46.246	18	33.6	17.61	16	33.6	B J	12A	6661	A -13 4926
4		6.4T	15 47.036	0.0008	06	-18 38 25.74	0.005	06	0.35	46.988	14	92.1	26.01	12	91.9	B0	GC	24978K	B*-18 4896
5		8.8A	15 47.170	0.0004	21	-13 59 53.71	-0.008	15	0.34	47.164	18	33.6	53.57	16	33.6	K2 J	12A	6663	A -14 4988
6		8.0Q	15 47.946	-0.0003	09	-18 38 15.68	-0.008	10	0.53	47.959	17	99.0	15.24	17	97.9	B5	GC	24979K	B*-18 4897
7		8.9A	15 48.801	0.0003	15	-10 22 34.44	0.023	17	0.31	48.796	18	33.6	34.80	16	33.6	K0 J	11	6237	A -10 4647
8		9.0A	15 51.117	-0.0032	20	-18 18 46.54	0.015	15	0.33	51.169	18	33.6	46.79	16	33.6	B8 J	12B	7616	A -18 4899
9		8.3A	15 51.176	-0.0021	20	-18 11 35.18	0.010	15	0.33	51.210	18	33.6	35.35	16	33.6	B2 J	12B	7617	A -18 4900
10		9.0A	15 51.899	0.0001	21	-16 19 44.76	-0.009	15	0.34	51.898	18	33.6	44.61	16	33.6	A2 J	12A	6664	A -16 4803
11		8.3A	15 52.772	-0.0010	17	-12 7 38.48	0.008	18	0.33	52.790	18	33.6	38.60	16	33.6	B0 J	11	6238	A -12 4988
12		8.2A	16 2.171	-0.0012	18	-12 28 30.00	0.004	20	0.35	2.190	18	33.6	30.05	16	33.6	B9 J	11	6239	A -12 4991
13		9.0A	16 3.164	-0.0000	18	-19 28 39.47	0.010	13	0.31	3.165	18	33.6	39.63	16	33.6	B3 J	12B	7619	A -19 4958
14		9.3A	16 3.276	0.0026	21	-16 40 57.04	-0.009	15	0.34	3.234	18	33.6	56.89	16	33.6	B8 J	12A	6665	A -16 4804
15		8.4A	16 5.235	0.0014	17	-13 33 44.38	0.009	18	0.33	5.212	18	33.6	44.52	16	33.6	K5 J	11	6240	A -13 4931
16		9.1A	16 5.998	0.0003	21	-13 49 47.60	-0.003	15	0.34	5.993	18	33.6	47.55	16	33.6	B J	12A	6666	A -13 4932
17		8.8A	16 6.349	0.0058	17	-11 1 54.46	0.040	18	0.33	6.254	18	33.6	55.11	16	33.6	F8 J	11	6243	A -11 4595
18		8.8A	16 8.275	-0.0003	21	-14 0 45.38	-0.022	15	0.34	8.280	18	33.6	45.02	16	33.6	B0 J	12A	6671	A -14 4991
19		9.2A	16 8.782	0.0020	21	-15 29 42.26	0.006	15	0.34	8.750	18	33.6	42.36	16	33.6	B2 J	12A	6668	A -15 4921
20		8.7Q	16 9.862	0.0004	11	-16 40 40.79	0.004	08	0.47	9.843	18	05.0	40.99	15	99.5	G5	GC	24985	-16 4805
21		8.8A	16 10.728	-0.0000	21	-16 19 23.45	0.006	15	0.34	10.728	18	33.6	23.55	16	33.6	B3 J	12A	6669	A -16 4806
22		8.9A	16 11.072	-0.0017	21	-16 23 49.66	-0.013	15	0.34	11.100	18	33.6	49.44	16	33.6	M1 J	12A	6670	A -16 4807
23		8.8A	16 14.906	0.0014	18	-12 7 53.02	-0.021	20	0.35	14.883	18	33.6	52.67	16	33.6	B J	11	6244	A -12 4994
24		9.1A	16 15.857	-0.0008	17	-11 27 30.56	-0.047	18	0.33	15.870	18	33.6	29.78	16	33.6	F8 J	11	6245	A -11 4592
25		8.8A	16 19.810	-0.0015	17	-11 39 16.24	0.015	18	0.33	19.835	18	33.6	16.47	16	33.6	OA J	11	6246	A -11 4593
26		9.1A	16 23.765	0.0009	18	-15 11 33.04	-0.009	13	0.31	23.750	18	33.6	32.89	16	33.6	K2 J	12A	6672	A -15 4922
27		8.8A	16 29.434	0.0022	21	-15 38 4.59	-0.013	15	0.34	29.397	18	33.6	4.38	16	33.6	R5 J	12A	6673	A -15 4923
28		9.0A	16 31.466	0.0024	20	-18 14 28.44	0.002	15	0.33	31.427	18	33.6	28.48	16	33.6	B J	12B	7623	A -18 4909
29		9.0A	16 36.125	0.0015	21	-17 44 44.12	-0.022	15	0.34	36.101	18	33.6	43.77	16	33.6	K0 J	12A	6674	A -17 5130
30		9.1A	16 39.073	-0.0002	18	-10 58 4.45	-0.030	20	0.35	39.076	18	33.6	3.94	16	33.6	K2 J	11	6247	A -11 4594
31		8.6A	16 39.438	-0.0025	20	-10 44 1.68	-0.079	20	0.36	39.479	18	33.6	0.37	16	33.6	K0 J	11	6248	A -10 4649
32		8.8A	16 42.451	0.0011	17	-10 28 45.68	0.005	18	0.33	42.432	18	33.6	45.76	16	33.6	A0 J	11	6249	A -10 4650
33		9.2A	16 42.741	0.0028	18	-16 1 55.63	-0.001	13	0.31	42.694	18	33.6	55.61	16	33.6	F2 J	12A	6675K	A -16 4811
34		9.2A	16 46.487	-0.0001	18	-16 2 40.33	-0.016	13	0.31	46.488	18	33.6	40.07	16	33.6	B5 J	12A	6677	A -16 4812
35		9.1A	16 49.810	0.0011	18	-18 29 11.12	0.017	13	0.31	49.792	18	33.6	11.41	16	33.6	G J	12B	7627	A -18 4914
36		8.2A	16 50.429	-0.0018	17	-10 57 19.49	0.014	18	0.34	50.458	18	33.4	19.72	16	33.4	+++ J	11	6251	A -10 4651
37		8.2A	16 54.875	0.0022	15	-12 32 7.74	0.106	17	0.31	54.839	18	33.6	9.47	16	33.6	K0 J	11	6252	A -12 5001
38		7.2A	16 54.987	-0.0015	21	-17 46 22.84	-0.004	15	0.34	55.012	18	33.6	22.78	16	33.6	K0 J	12A	6678	A -17 5133
39		8.8A	16 58.905	-0.0012	21	-17 38 7.58	-0.077	15	0.34	58.924	18	33.6	6.32	16	33.6	F2 J	12A	6679	A -17 5135
40		9.0A	16 59.576	0.0025	21	-17 5 42.72	-0.014	15	0.34	59.535	18	33.6	42.49	16	33.6	B2 J	12A	6680	A -17 5136
41		8.6A	17 1.108	-0.0008	17	-12 31 25.43	0.034	18	0.33	1.121	18	33.6	25.98	16	33.6	F8 J	11	6253	A -12 5002
42		8.2A	17 1.116	-0.0012	17	-10 54 45.30	-0.018	18	0.33	1.136	18	33.6	45.00	16	33.6	K2 J	11	6254	A -10 4652
43		8.5A	17 4.216	-0.0003	17	-10 29 32.71	-0.006	18	0.33	4.222	18	33.6	32.61	16	33.6	A3 J	11	6256	A -10 4653
44		9.2A	17 4.879	0.0031	21	-17 4 56.18	-0.017	15	0.34	4.827	18	33.6	55.90	16	33.6	A2 J	12A	6681	A -17 5137
45		7.1A	17 4.985	-0.0006	17	-11 18 34.28	-0.014	18	0.33	4.994	18	33.6	34.05	16	33.6	F8 J	11	6255	A -11 4596
46		9.0A	17 6.931	0.0016	15	-19 31 39.76	-0.014	12	0.28	6.905	18	33.6	39.53	16	33.6	K2 J	12B	7629	A -19 4963
47		9.2A	17 8.679	-0.0024	18	-17 53 38.10	-0.004	13	0.31	8.718	18	33.6	53.31	16	33.6	B3 J	12A	6682	A -17 5139
48		5.7T	17 15.960	0.0024	04	-15 51 13.75	-0.035	04	0.23	15.830	09	96.7	11.87	09	96.6	K2	GC	25006	B*-15 4927
49		9.4A	17 16.600	-0.0014	18	-17 8 22.24	0.001	13	0.31	16.623	18	33.6	22.25	16	33.6	B8 J	12A	6683	A -17 5140
50		9.3A	17 18.918	-0.0031	15	-10 23 42.20	0.024	17	0.31	18.969	18	33.6	42.59	16	33.6	F8 J	11	6257	A -10 4656
51		9.0A	18 17 21.579	0.0004	18	-18 36 53.27	-0.015	13	0.31	21.572	18	33.6	53.01	16	33.6	A3 J	12B	7634	A -18 4917
52		8.9A	17 23.843	-0.0002	18	-14 52 11.21	-0.014	13	0.31	23.846	18	33.6	10.98	16	33.6	B0 J	12A	6685	A -14 5002
53		8.6A	17 26.592	0.0014	21	-15 14 32.17	0.015	15	0.34	26.569	18	33.6	32.41	16	33.6	K0 J	12A	6686	A -15 4929
54		9.3A	17 27.558	-0.0033	21	-15 5 18.62	-0.017	15	0.34	27.612	18	33.6	18.34	16	33.6	B J	12A	6687	A -15 4930
55		8.6T	17 31.173	0.0006	20	-19 52 0.66	-0.041	17	0.79	31.147	19	10.1	58.86	19	06.0	G0	GC	25019	-19 4965
56		9.1A	17 33.159	0.0008	17	-17 8 10.91	0.030	13	0.30	33.146	18	33.6	11.40	16	33.6	B8 J	12A	6688	A -17 5142
57		9.2A	17 34.497	0.0003	21	-16 13 24.24	-0.005	15	0.34	34.491	18	33.6	24.16	16	33.6	K5 J	12A	6689	A -16 4816
58		9.2A	17 35.952	-0.0024	22	-17 7 30.91	-0.024	17	0.37	35.991	18	33.6	30.51	16	33.6	B9 J	12A	6690	A -17 5143
59		9.6A	17 42.249	-0.0007	21	-16 12 12.31	-0.017	15	0.34	42.260	18	33.6	12.03	16	33.6		12A	6692	A -16 4818
60		9.2A	17 43.738	0.0004	21	-13 58 39.12	0.014	15	0.34	43.731	18	33.6	39.34	16	33.6	B J	12A	6694	A -14 5005
61		8.9A	17 43.855	0.0018	21	-17 46 18.59	0.001	15	0.34	43.825	18	33.6	18.61	16	33.6	B2 J	12A	6691	A -17 5144
62		9.1A	17 45.990	0.0015	21	-17 40 47.19	0.010	15	0.34	45.966	18	33.6	47.36	16	33.6	B J	12A	6693	A -17 5145
63		8.9A	17 52.794	-0.0017	15	-11 18 7.84	-0.003	15	0.30	52.822	18	33.6	7.78	16	33.6	G0 J	11	6259	A -11 4600
64		8.9A	17 54.067	0.0006	17	-19 57 16.46	0.011	12	0.28	54.056	18	33.6	16.64	16	33.6	A0 J	13A	7637	A -19 4969
65		9.4A	17 54.590	0.0013	21	-15 5 1.78	-0.002	15	0.34	54.569	18	33.6	1.74	16	33.6	B8 J	12A	6696	A -15 4934
66		9.2A	17 54.765	-0.0001	21	-16 3 0.52	0.015	15	0.34	54.766	18	33.6	0.76	16	33.6		12A	6695	A -16 4822
67		9.1A	18 5.771	0.0006	17	-12 45 24.65	0.024	18	0.33	5.763	18	33.6	25.04	16	33.6	A0 J	11	6260	A -12 5014
68		8.4A	18 5.964	0.0010	18	-17 10 32.18	-0.033	17	0.33	5.948	18	33.6	31.63	16	33.6	B3 J	12A	6697	A -17 5149
69		9.4A	18 9.325	0.0008	18	-16 2 26.53	0.010	13	0.31	9.311	18	33.6	26.69	16	33.6		12A	6698	A -16 4826
70		7.5A	18 10.385	0.0011	21	-15 15 15.72	0.006	15	0.34	10.367	18	33.6	15.82	16	33.6	K2 J	12A	6699	A -15 4938
71		8.7A	18 12.054	-0.0015	15	-10 0 5.77	-0.064	13	0.31	12.059	18	33.6	4.72	16	33.6	K5 J	12A	6701	A -15 4939
72		8.6A	18 14.405	0.0002	21	-17 24 19.24	0.013	15	0.34	14.401	18	33.6	19.45	16	33.6	B2 J	12A	6700	A -17 5151
73		9.2A	18 17.430	-0.0014	15	-16 1 47.34	0.004	12	0.28	17.453	18	33.6	47.40	16	33.6	B8 J	12A	6702	A -16 4828
74		8.9Q	18 21.512	0.0003	10	-16 23 58.59	-0.002	08	0.46	21.496	18	03.2	58.48	17	98.8	B	GC	25035	B*-16 4829
75		9.2Q	18 26.205	0.0001	11	-16 23 52.79	-0.000	08	0.49	26.199	18	03.3	52.79	15	99.4	B	GC	25037	-16 4830
76		5.4T	18 26.491	0.0007	07	-18 53 2.76	-0.010	07	0.33	26.458	07	06.3	2.30	09	05.9	F5P	GC	25038V	B*-18 4926
77		9.0A	18 28.547	0.0015	21	-13 48 38.76	-0.018	15	0.34	28.523	18	33.6	38.46	16	33.6	A0 J	12A	6705	A -13 4947
78		8.6A	18 28.552	-0.0001	20	-19 17 44.65	-0.039	15	0.33	28.554	18	33.6	44.00	16	33.6	F8 J	12B	7643	A -19 4974
79		8.8A	18 32.741	-0.0016	17	-13 7 37.54	-0.036	18	0.33	32.767	18	33.6	36.95	16	33.6	F8 J	11	6262	A -13 4949
80		8.7A	18 37.669	-0.0053	20	-18 27 11.76	-0.071	15	0.33	37.755	18	33.6	10.60	16	33.6	K0 J	12B	7645	A -18 4928
81		8.7A	18 44.798	0.0016	18	-18 32 35.26	0.012	13	0.31	44.772	18	33.6	35.45	16	33.6	F0 J	12B	7646	A -18 4931
82		9.4A	18 45.532	-0.0012	21	-17 18 14.30	-0.006	15	0.34	45.551	18	33.6	14.20	16	33.6	B8P J	12A	6706	A -17 5155
83		8.8A	18 47.805	-0.0001	18	-17 55 19.71	-0.005	13	0.31	47.806	18	33.6	19.63	16	33.6	B5 J	12B	7647	A -17 5154
84		9.0A	18 53.615	-0.0015	18	-16 58 2.18	-0.002	13	0.31	53.639	18	33.6	2.14	16	33.6	K2 J	12A	6708	A -17 5157
85		7.7Q	18 55.612	0.0009	08	-16 20 57.28	-0.000	06	0.41	55.567	18	01.5	57.27	15	94.5	+++	GC	25052	B*-16 4836
86		7.7A	19 2.002	-0.0019	15	-11 56 47.27	-0.051	17	0.31	2.033	18	33.6	46.42	16	33.6	G5 J	11	6263	A -11 4606
87		9.2A	19 8.312	0.0008	15	-11 25 53.10	0.005	15	0.30	8.299	18	33.6	53.17	16	33.6	K0 J	11	6264	A -11 4608
88		9.2A	19 14.393	-0.0002	21	-17 27 8.36	0.018	15	0.34	14.396	18	33.6	8.65	16	33.6	B5 J	12A	6710	A -17 5159
89		8.0Q	19 21.604	-0.0006	13	-15 6 56.34	0.032	13	0.61	21.628	19	06.4	57.78	19	04.7		GC	25061K	-15 4946
90		7.4T	19 22.110	-0.0012	08	-15 6 49.56	-0.016	07	0.40	22.166	17	01.1	48.71	14	97.9	F5	GC	25062K	-15 4946
91		7.3T	19 25.234	0.0033	26	-14 24 51.03	-0.008	22	1.13	25.084	26	05.3	50.64	22	02.6	A0P	GC	25064	B*-14 5013
92		9.0A	19 26.898	-0.0006	21	-16 54 34.49	-0.032	15	0.34	26.908	18	33.6	33.96	16	33.6	B8 J	12A	6713	A -16 4839
93		9.0A	19 29.034	0.0027	18	-16 5 48.86	0.019	13	0.31	28.989	18	33.6	49.17	16	33.6	K0 J	12A	6715	A -16 4840
94		8.7A	19 29.406	0.0006	15	-13 0 46.79	-0.004	17	0.31	29.396	18	33.6	46.72	16	33.6	K0 J	11	6265	A -13 4952
95		8.9A	19 37.124	-0.0019	17	-17 19 42.71	-0.010	12	0.29	37.155	18	33.6	42.54	16	33.6	B8 J	12A	6716	A -17 5163
96		9.0A	19 44.795	-0.0001	21	-16 10 7.59	-0.006	15	0.34	44.796	18	33.6	7.49	16	33.6	A J	12A	6718	A -16 4846
97		8.3A	19 45.172	0.0009	15	-10 21 4.63	0.012	17	0.31	45.156	18	33.6	4.83	16	33.6	B9 J	11	6266	A -10 4670
98		9.1A	19 45.274	0.0002	17	-17 26 9.26	0.000	11	0.28	45.270	18	33.6	9.26	16	33.6	B9 J	12A	6717	A -17 5164
99		8.9A	19 50.814	-0.0001	20	-18 44 41.49	-0.017	15	0.33	50.815	18	33.6	41.20	16	33.6	A0 J	12B	7659	A -18 4938
00		9.0A	19 51.776	0.0008	17	-19 11 24.74	-0.025	12	0.29	51.763	18	33.6	24.32	16	33.6	K0 J	12B	7660	A -19 4980

-10°
18H

161400

EPOCH 1950 — ORIGINAL EPOCH — SOURCE — -10° 18H

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.		CAT.	STAR NUMBER	DM NUMBER
1		8.8A	18 19 53.835	-0.0009	21	-14 23 22.11	-0.017	15	0.34	53.851	18	33.6	21.83	16	33.6	B5	J	12A	6721	A -14 5017
2		9.0A	19 55.610	0.0008	18	-17 28 22.21	-0.010	13	0.31	55.596	18	33.6	22.04	16	33.6	B	J	12A	6719	A -17 5167
3		8.6A	19 55.923	0.0003	21	-16 57 4.34	-0.042	15	0.34	55.918	18	33.6	3.64	16	33.6	A2	J	12A	6720	A -16 4847
4		8.7A	19 56.976	0.0014	20	-19 47 33.18	-0.084	15	0.33	56.952	16	33.6	31.80	16	33.6	F8	J	13A	7661	A -19 4981
5		9.5A	20 3.316	-0.0000	15	-11 38 30.72	-0.029	17	0.31	3.317	18	33.6	30.24	16	33.6	A5	J	11	6268	
6		8.8A	20 5.107	0.0021	15	-11 37 40.59	0.050	17	0.31	5.073	18	33.6	41.41	16	33.6	A3	J	11	6270	A -11 4614
7		9.2A	20 5.593	-0.0030	17	-13 26 12.89	-0.008	18	0.33	5.642	18	33.6	12.76	16	33.6	A0	J	11	6269	A -13 4957
8		8.6A	20 5.906	0.0002	21	-17 42 10.77	0.010	15	0.34	5.902	18	33.6	10.94	16	33.6	A0	J	12A	6722	A -17 5171
9		8.8A	20 6.219	-0.0011	13	-11 18 42.46	0.017	15	0.29	6.237	18	33.6	42.73	16	33.6	K0	J	11	6271	A -11 4616
10		9.0A	20 13.181	-0.0006	21	-17 2 37.62	-0.013	15	0.34	13.190	18	33.6	37.40	16	33.6	A0	J	12A	6723K	A -17 5172
11		8.5A	20 15.381	-0.0002	21	-16 37 11.79	-0.006	15	0.34	15.383	18	33.6	11.69	16	33.6	B	J	12A	6724	A -16 4850
12		6.3T	20 16.315	0.0014	17	-10 14 41.57	-0.009	16	0.91	16.241	19	97.0	41.05	17	94.9	A0		GC	25086	-10 4673
13		9.1A	20 16.963	0.0041	20	-19 43 45.66	0.025	15	0.33	16.895	18	33.6	46.07	16	33.6	G0	J	12B	7665	A -19 4982
14		9.0A	20 17.731	0.0008	21	-15 38 11.40	0.009	15	0.34	17.717	18	33.6	11.54	16	33.6	K0	J	12A	6725	A -15 4952
15		5.7T	20 24.225	-0.0008	09	-12 2 27.77	-0.030	07	0.35	24.258	10	09.3	26.47	10	07.1	B8		GC	25090	-12 5024
16		9.0A	20 24.282	-0.0002	21	-16 44 24.46	0.009	15	0.34	24.285	18	33.6	24.60	16	33.6	B5	J	12A	6726	A -16 4852
17		9.1A	20 26.015	-0.0006	21	-17 18 52.24	0.020	15	0.34	26.025	18	33.6	52.57	16	33.6	F5	J	12A	6727	A -17 5173
18		8.2A	20 27.696	0.0002	15	-13 37 14.66	0.014	15	0.30	27.692	18	33.6	14.88	16	33.6	B0	J	11	6274	A -13 4958
19		7.4A	20 30.653	-0.0010	17	-12 19 36.36	-0.000	18	0.33	30.869	18	33.6	36.35	16	33.6	A0	J	11	6275	A -12 5026
20		9.4A	20 31.399	-0.0007	18	-17 9 3.60	0.026	13	0.31	31.410	18	33.6	4.02	16	33.6	B9	J	12A	6728	A -17 5175
21		9.2A	20 37.985	-0.0005	21	-17 13 22.58	-0.015	15	0.34	37.993	18	33.6	22.33	16	33.6	A2	J	12A	6729	A -17 5176
22		9.1A	20 47.343	0.0040	17	-12 41 16.10	-0.128	18	0.33	47.277	18	33.6	14.00	16	33.6	G0	J	11	6276	A -12 5028
23		8.9A	20 59.665	-0.0003	15	-13 33 0.40	0.015	15	0.30	59.670	18	33.6	0.64	16	33.6	B9	J	11	6277	A -13 4961
24		7.5A	21 6.416	0.0012	20	-19 25 16.36	0.002	15	0.33	6.396	18	33.6	16.38	16	33.6	K5	J	12B	7671	A -19 4987
25		7.4A	21 11.063	-0.0017	15	-12 36 44.27	0.008	17	0.31	11.091	18	33.6	44.39	16	33.6	K0	J	11	6280	A -12 5031
26		8.1A	21 11.811	-0.0017	20	-19 36 16.32	-0.021	15	0.33	11.838	18	33.6	15.98	16	33.6	A0	J	12B	7672K	A -19 4988
27		8.8A	21 12.257	0.0029	15	-13 30 18.98	0.018	17	0.31	12.210	18	33.6	19.27	16	33.6	B9	J	11	6279	A -13 4963
28		8.2A	21 19.407	-0.0006	20	-19 50 5.31	-0.003	15	0.33	19.417	16	33.6	5.26	16	33.6	K5	J	13A	7675	A -19 4990
29		9.0A	21 21.995	0.0010	15	-10 42 51.26	-0.020	17	0.31	21.978	18	33.6	50.92	16	33.6	K0	J	11	6283	A -10 4680
30		8.7A	21 22.832	0.0012	13	-12 15 32.71	0.027	15	0.29	22.813	18	33.6	33.14	16	33.6	B	J	11	6281	A -12 5033
31		8.5A	21 23.599	0.0007	15	-12 14 29.61	-0.003	17	0.31	23.589	18	33.6	29.56	16	33.6	B	J	11	6282	A -12 5034
32		8.9A	21 25.028	-0.0014	20	-18 7 16.66	-0.053	15	0.33	25.061	18	33.6	15.80	16	33.6	G5	J	12B	7676	A -18 4944
33		8.9A	21 27.438	-0.0008	13	-11 16 10.52	0.011	15	0.29	27.450	18	33.6	10.69	16	33.6	K2	J	11	6284	A -11 4624
34		8.7A	21 34.161	0.0005	15	-10 50 14.61	-0.009	17	0.31	34.153	18	33.6	14.45	16	33.6	B2	J	11	6285	A -10 4682
35		9.2A	21 39.763	0.0008	18	-17 56 39.27	0.015	13	0.31	39.749	18	33.6	39.52	16	33.6	B8	J	12B	7679	A -17 5183
36		8.0A	21 40.648	-0.0015	20	-19 45 39.63	-0.011	15	0.33	40.672	16	33.6	39.45	16	33.6	K5	J	13A	7678	A -19 4992
37		9.2A	21 41.177	0.0025	21	-14 46 52.92	-0.019	15	0.34	41.135	18	33.6	52.60	16	33.6			12A	6732	A -14 5032
38		9.1A	21 41.386	0.0023	17	-14 48 12.74	0.000	13	0.30	41.348	18	33.6	12.75	16	33.6	K0	J	12A	6733	A -14 5033
39		8.4A	21 43.677	-0.0018	15	-10 26 29.43	-0.031	17	0.31	43.707	18	33.6	28.92	16	33.6	K2	J	11	6286	A -10 4684
40		9.0A	21 46.768	0.0013	20	-18 18 32.41	-0.018	15	0.33	46.746	18	33.6	32.12	16	33.6	B3	J	12B	7680	A -18 4951
41		9.0A	21 47.221	-0.0001	21	-15 25 13.08	0.007	15	0.34	47.222	18	33.6	13.19	16	33.6	A0	J	12A	6734	A -15 4959
42		9.0A	21 47.375	0.0004	20	-18 45 52.28	-0.006	15	0.33	47.369	18	33.6	52.17	16	33.6	B	J	12B	7681	A -18 4952
43		9.2A	21 50.016	0.0015	21	-13 56 28.13	-0.005	15	0.34	49.992	18	33.6	28.04	16	33.6	A2	J	12A	6737	A -13 4968
44		9.0A	21 50.642	0.0001	21	-16 49 31.59	-0.002	15	0.34	50.641	18	33.6	31.55	16	33.6	G5	J	12A	6735	A -16 4859
45		8.4A	21 51.254	0.0015	15	-12 42 11.51	-0.006	17	0.31	51.228	18	33.6	11.41	16	33.6	B9	J	11	6288	A -12 5036
46		8.7A	21 53.293	0.0007	15	-12 30 11.65	-0.005	17	0.31	53.282	18	33.6	11.56	16	33.6	K5	J	11	6289	A -12 5038
47		8.5A	21 59.786	-0.0013	18	-16 18 17.82	-0.003	13	0.31	59.806	18	33.6	17.77	16	33.6	K5	J	12A	6738	A -16 4861
48		8.8A	22 1.045	0.0019	15	-11 23 32.30	0.017	15	0.30	1.014	18	33.6	32.57	16	33.6	A3	J	11	6290	A -11 4626
49		7.9A	22 3.808	0.0000	20	-18 34 1.85	-0.020	15	0.33	3.808	18	33.6	1.51	16	33.6	M2	J	12B	7683	A -18 4953
50		9.0A	22 8.539	0.0020	21	-16 47 30.48	-0.013	15	0.34	8.506	18	33.6	30.26	16	33.6	K5	J	12A	6739	A -16 4863
51		8.7A	18 22 9.017	0.0016	15	-13 21 53.29	-0.002	17	0.31	8.991	18	33.6	53.25	16	33.6	B9	J	11	6291	A -13 4969
52		8.8A	22 14.979	-0.0011	21	-14 40 41.19	-0.012	15	0.34	14.997	18	33.6	41.00	16	33.6	B	J	12A	6740	A -14 5037
53		6.9A	22 19.276	-0.0012	20	-19 5 2.65	-0.050	15	0.33	19.295	18	33.6	2.15	16	33.6	K2	J	12B	7686	A -19 4998
54		9.2A	22 20.701	0.0005	21	-17 32 50.95	0.002	15	0.34	20.693	18	33.6	50.99	16	33.6	B0	J	12A	6741	A -17 5187
55		8.5A	22 23.570	0.0008	21	-15 9 5.59	-0.004	15	0.34	23.557	18	33.6	5.52	16	33.6	B	J	12A	6742	A -15 4962
56		9.1A	22 24.876	0.0021	15	-10 3 28.42	0.001	15	0.30	24.842	18	33.6	28.42	16	33.6	M0	J	11	6293	A -10 4690
57		6.8T	22 24.891	0.0015	18	-14 0 25.48	0.016	17	0.79	24.829	21	07.2	26.18	17	05.7	B0		GC	25133	B*-14 5039
58		8.8A	22 42.706	-0.0011	15	-12 43 9.24	0.005	17	0.31	42.724	18	33.6	9.32	16	33.6	PEC	J	11	6294	A -12 5045
59		8.4A	22 45.787	0.0002	21	-15 10 55.81	0.001	15	0.34	45.785	18	33.6	55.82	16	33.6	K0	J	12A	6745	A -15 4965
60		9.2A	22 52.310	0.0003	21	-17 6 21.84	-0.005	15	0.34	52.305	18	33.6	21.75	16	33.6	B8	J	12A	6746	A -17 5190
61		9.3A	22 53.214	-0.0029	17	-16 13 46.58	-0.043	13	0.30	53.262	18	33.6	45.87	16	33.6	G0	J	12A	6747	A -16 4868
62		8.9A	23 9.602	0.0026	21	-15 50 48.44	-0.021	15	0.34	9.560	18	33.6	48.09	16	33.6	K5	J	12A	6748	A -15 4968
63		8.8A	23 15.604	-0.0006	20	-18 34 8.76	-0.007	15	0.33	15.613	18	33.6	8.64	16	33.6	B8	J	12B	7690	A -18 4960
64		8.4A	23 15.654	0.0004	21	-15 57 55.75	0.017	15	0.34	15.647	18	33.6	56.03	16	33.6	K0	J	12A	6749	A -16 4871
65		8.8A	23 15.933	0.0023	21	-14 49 23.73	-0.038	15	0.34	15.894	18	33.6	23.11	16	33.6	F8	J	12A	6750	A -14 5044
66		9.1A	23 20.900	-0.0031	21	-16 51 14.48	-0.084	15	0.34	20.950	18	33.6	13.10	16	33.6	G5	J	12A	6751	A -16 4872
67		7.9A	23 28.863	0.0038	13	-13 23 27.96	0.002	15	0.29	28.800	18	33.6	27.99	16	33.6	K0	J	11	6295	A -13 4975
68		8.5A	23 30.959	0.0004	18	-14 6 59.15	0.031	13	0.31	30.953	18	33.6	59.56	16	33.6	+++	J	12B	7692	A -14 4962
69		8.0A	23 31.275	-0.0002	21	-15 39 37.34	0.017	15	0.34	31.278	18	33.6	37.62	16	33.6	B5	J	12A	6753	A -15 4970
70		8.6A	23 32.622	0.0010	15	-13 1 15.35	-0.015	17	0.31	32.606	18	33.6	15.10	16	33.6	K0	J	11	6296	A -13 4977
71		9.1A	23 37.671	0.0017	13	-13 13 22.80	0.021	15	0.29	37.644	18	33.6	23.14	16	33.6	K0	J	11	6297	A -13 4978
72		9.3A	23 38.223	-0.0015	15	-13 12 59.41	-0.034	15	0.30	38.248	18	33.6	58.85	16	33.6	G0	J	11	6298	A -13 4978
73		8.0A	23 45.054	0.0004	21	-17 41 7.21	-0.007	15	0.34	45.048	18	33.6	7.10	16	33.6	A0	J	12A	6755	A -17 5194
74		8.7A	23 50.614	0.0012	15	-13 40 56.90	0.008	17	0.31	50.595	18	33.6	57.03	16	33.6	B0	J	11	6299	A -13 4979
75		9.0A	23 51.212	0.0032	13	-12 18 39.14	0.005	15	0.29	51.160	18	33.6	39.22	16	33.6	B9	J	11	6300	A -12 5048
76		8.4A	23 55.518	0.0004	15	-11 23 14.38	0.031	17	0.31	55.511	18	33.6	14.89	16	33.6	B2	J	11	6301	A -11 4631
77		8.4A	24 1.551	0.0003	21	-17 13 42.60	0.005	15	0.34	1.545	18	33.6	42.68	16	33.6	A3	J	12A	6756	A -17 5196
78		9.1A	24 2.425	-0.0013	20	-18 22 6.53	-0.003	15	0.33	2.446	18	33.6	6.49	16	33.6	B8	J	12B	7698	A -18 4966
79		8.7A	24 5.143	0.0011	20	-18 31 26.41	0.042	15	0.33	5.124	18	33.6	27.09	16	33.6	K0	J	12B	7699	A -18 4967
80		8.2A	24 6.962	-0.0016	21	-13 53 8.28	-0.002	15	0.34	6.989	18	33.6	8.24	16	33.6	K0	J	12A	6758	A -13 4981
81		8.6A	24 11.122	0.0015	21	-17 21 19.80	0.008	15	0.34	11.098	18	33.6	19.93	16	33.6	K5	J	12A	6757	A -17 5197
82		8.3A	24 15.402	0.0010	20	-18 59 5.10	0.019	15	0.33	15.386	18	33.6	5.40	16	33.6	B8	J	12B	7700	A -19 5007
83		8.5A	24 16.794	0.0017	18	-17 18 36.75	0.000	13	0.31	16.767	18	33.6	36.75	16	33.6	B5	J	12A	6759	A -17 5198
84		9.1A	24 17.517	0.0024	15	-13 44 29.91	0.001	17	0.31	17.477	18	33.6	29.92	16	33.6	A0	J	11	6303	A -13 4982
85		9.0A	24 20.665	-0.0009	21	-16 57 54.11	-0.003	15	0.34	20.679	18	33.6	54.06	16	33.6	B8	J	12A	6760	A -17 5199
86		8.7A	24 21.395	0.0020	20	-18 24 22.02	0.000	15	0.33	21.361	18	33.6	22.03	16	33.6	K2	J	12B	7702	A -18 4969
87		8.8A	24 22.725	-0.0003	21	-14 43 42.47	0.008	15	0.34	22.729	18	33.6	42.65	16	33.6	B8	J	12A	6761	A -14 5053
88		9.2A	24 28.419	-0.0018	21	-15 43 44.20	-0.104	15	0.34	28.448	18	33.6	42.49	16	33.6	F8	J	12A	6762	A -15 4971
89		9.1A	24 29.543	-0.0020	13	-10 11 25.20	-0.010	15	0.29	29.575	18	33.6	25.03	16	33.6	A0	J	11	6305	A -10 4696
90		6.8T	24 39.102	0.0033	16	-15 24 20.74	0.023	15	0.75	38.947	21	03.7	21.80	18	03.3	F5		GC	25177	-15 4972
91		7.8A	24 54.521	0.0008	21	-16 27 33.76	-0.011	15	0.34	54.507	18	33.6	33.58	16	33.6	A0	J	12A	6764	A -16 4884
92		8.4A	25 0.326	-0.0001	15	-13 41 40.51	0.013	15	0.30	0.328	18	33.6	40.72	16	33.6	A0	J	11	6307	A -13 4988
93		6.0T	25 1.377	-0.0004	04	-17 49 56.27	0.006	04	0.22	1.394	09	02.0	56.57	09	01.2	B8		GC	25186	B*-17 5203
94		8.9A	25 1.614	-0.0017	17	-19 6 9.65	-0.039	12	0.29	1.641	18	33.6	9.00	16	33.6	F8	J	12B	7706	A -19 5011
95		9.4A	25 9.519	0.0017	21	-14 44 20.24	0.023	15	0.34	9.491	18	33.6	20.62	16	33.6	B0	J	12A	6766	A -14 5062
96		9.0A	25 12.064	0.0025	21	-14 41 34.81	-0.019	15	0.34	12.022	18	33.6	34.49	16	33.6	M0	J	12A	6767	A -14 5063
97		8.6A	25 14.104	0.0015	20	-19 29 23.79	0.014	15	0.33	14.079	18	33.6	24.01	16	33.6	K2	J	12B	7713	A -19 5012
98		9.0A	25 15.303	0.0004	21	-14 52 10.55	-0.017	15	0.34	15.296	18	33.6	10.28	16	33.6	A0	J	12A	6768	A -14 5065
99		8.5A	25 18.751	-0.0015	20	-19 32 24.52	-0.029	15	0.33	18.776	18	33.6	24.04	16	33.6	K5	J	12B	7714	A -19 5013
00		9.2A	25 18.758	0.0013	21	-15 32 10.55	-0.001	15	0.34	18.736	18	33.6	10.53	16	33.6	M0	J	12A	6770	A -15 4975

161500

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	σ_μ ″.001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	DM NUMBER
1		9.0A	18 25 19.323	-0.0000	18	-16 3 56.62	0.003	13	0.31	19.323	18	33.6	56.67	16	33.6	B9 J	12A	6769	A -16 4887
2		9.0A	25 31.381	-0.0001	21	-16 44 2.08	0.003	15	0.34	31.382	18	33.6	2.13	16	33.6	B0 J	12A	6771	A -16 4888
3		8.9A	25 37.258	-0.0007	21	-15 50 11.53	-0.034	15	0.34	37.269	18	33.6	10.97	16	33.6	K5 J	12A	6772	A -15 4977
4		9.3A	25 38.484	-0.0002	17	-14 11 37.10	-0.006	13	0.30	38.487	18	33.6	37.00	16	33.6	F8 J	12A	6774	A -14 5067
5		9.0A	25 38.903	0.0002	21	-17 0 37.28	0.020	15	0.34	38.899	18	33.6	37.61	16	33.6	A0 J	12A	6773	A -17 5207
6		9.1A	25 40.520	-0.0008	17	-12 49 57.91	0.001	18	0.33	40.532	18	33.6	57.92	16	33.6	G5 J	11	6309	A -12 5058
7		9.0A	25 45.660	0.0017	17	-12 41 29.38	0.012	18	0.33	45.633	18	33.6	29.57	16	33.6	K2 J	11	6310	A -12 5059
8		8.4A	25 47.599	0.0001	17	-13 1 49.24	0.008	17	0.32	47.597	18	33.6	49.37	16	33.6	B0 J	11	6311	A -13 4992
9		8.7A	25 49.319	0.0001	20	-13 32 4.95	-0.017	20	0.36	49.318	18	33.6	4.67	16	33.6	B2 J	11	6312	A -13 4993
10		8.9A	25 51.405	0.0004	20	-18 32 25.46	-0.018	15	0.33	51.399	18	33.6	25.16	16	33.6	K5 J	12B	7719	A -18 4976
11		9.0A	25 54.595	0.0018	18	-14 13 20.73	-0.018	13	0.31	54.566	18	33.6	20.43	16	33.6	F2 J	12A	6776	A -14 5069
12		9.0A	25 55.505	-0.0015	17	-15 35 30.81	-0.004	13	0.30	55.528	18	33.6	30.74	16	33.6	B8 J	12A	6775	A -15 4979
13		8.9A	25 56.228	-0.0002	17	-19 16 47.03	-0.027	12	0.29	56.232	18	33.6	46.58	16	33.6	B9 J	12B	7720	A -19 5018
14		8.2A	26 1.727	0.0034	15	-10 15 31.70	-0.018	17	0.31	1.671	18	33.6	31.40	16	33.6	G0 J	11	6314	A -10 4705
15		8.6A	26 3.285	0.0004	17	-18 59 44.24	-0.026	12	0.29	3.278	18	33.6	43.80	16	33.6	F5 J	12B	7721	A -19 5019
16		8.0A	26 4.467	0.0004	17	-12 59 36.22	0.006	17	0.32	4.459	18	33.6	36.31	16	33.6	K2 J	11	6313	A -13 4995
17		8.5A	26 8.490	0.0019	20	-19 5 36.13	0.006	15	0.33	8.459	18	33.6	36.22	16	33.6	A2 J	12B	7722	A -19 5020
18		8.2A	26 9.062	-0.0004	21	-16 26 55.97	-0.017	15	0.34	9.068	18	33.6	55.69	16	33.6	K0 J	12A	6777	A -16 4893
19		9.0A	26 19.652	-0.0017	17	-13 39 23.09	0.005	18	0.33	19.680	18	33.6	23.17	16	33.6	A0 J	11	6315	A -13 4996
20		4.7H	26 20.804	0.0001	01	-14 35 58.05	-0.005	01	0.05	20.802	02	17.2	57.88	03	17.2	A3	F4	696	-14 5071
21		9.2A	26 22.067	-0.0003	21	-14 40 36.37	-0.007	15	0.34	22.071	18	33.6	36.24	16	33.6	K2 J	12A	6779	A -14 5072
22		8.7A	26 25.837	0.0010	21	-15 18 58.89	-0.006	15	0.34	25.821	18	33.6	58.79	16	33.6	A0 J	12A	6780	A -15 4982
23		8.3A	26 34.047	-0.0003	17	-13 37 56.01	-0.003	18	0.33	34.052	18	33.6	55.96	16	33.6	A0 J	11	6316	A -13 4997
24		9.2A	26 36.998	-0.0002	21	-17 23 12.46	-0.005	15	0.34	37.000	18	33.6	12.37	16	33.6	A0 J	12A	6781	A -17 5213
25		8.9A	26 42.788	0.0001	21	-16 7 42.37	0.007	15	0.34	42.786	18	33.6	42.48	16	33.6	F0 J	12A	6782	A -16 4899
26		8.8A	26 44.251	0.0001	21	-16 40 32.39	-0.004	15	0.34	44.250	18	33.6	32.32	16	33.6	F0 J	12A	6783	A -16 4900
27		8.7A	26 45.169	0.0015	20	-19 38 24.11	-0.040	15	0.33	45.145	18	33.6	23.45	16	33.6	A0 J	12B	7725	A -19 5025
28		6.0T	26 55.634	0.0013	04	-14 36 59.12	0.023	04	0.22	55.564	09	97.6	0.46	09	93.1	A0P	GC	25232	B*-14 5077
29		8.9A	26 56.793	-0.0010	18	-10 19 35.77	0.036	20	0.35	56.810	18	33.6	36.36	16	33.6	F2 J	11	6317	A -10 4707
30		9.4A	26 57.009	-0.0002	21	-16 44 57.19	0.003	15	0.34	57.011	18	33.6	57.24	16	33.6	B8 J	12A	6784	A -16 4902
31		8.9A	26 57.011	0.0007	17	-19 32 37.13	-0.062	12	0.29	57.000	18	33.6	36.11	16	33.6	F8 J	12B	7727	A -19 5028
32		8.9A	27 1.798	-0.0015	18	-12 1 56.71	0.007	20	0.35	1.823	18	33.6	56.82	16	33.6	B9 J	11	6319	A -12 5070
33		8.9A	27 3.413	0.0012	21	-14 6 17.98	-0.027	15	0.34	3.394	18	33.6	17.53	16	33.6	G0 J	12A	6786	A -14 5078
34		9.1A	27 4.989	-0.0036	18	-12 17 53.49	0.023	20	0.35	5.048	18	33.6	53.86	16	33.6	A0 J	11	6320K	A -12 5071
35		8.7A	27 6.895	0.0029	18	-12 25 26.29	-0.002	20	0.35	6.848	18	33.6	26.25	16	33.6	B9 J	11	6321	A -12 5072
36		8.6A	27 9.977	-0.0020	17	-13 31 7.50	0.026	18	0.33	10.011	18	33.6	7.92	16	33.6	B8 J	11	6322	A -13 5002
37		9.0A	27 11.641	-0.0017	21	-14 50 24.13	-0.002	15	0.34	11.668	18	33.6	24.10	16	33.6	B9 J	12A	6787	A -14 5080
38		8.8A	27 12.221	0.0024	17	-12 59 0.03	-0.033	18	0.33	12.181	18	33.6	59.49	16	33.6	B5 J	11	6323K	A -13 5003
39		8.6A	27 14.648	-0.0013	21	-16 13 32.81	-0.001	15	0.34	14.668	18	33.6	32.79	16	33.6	F0 J	12A	6788	A -16 4903
40		5.8T	27 15.463	0.0025	04	-18 45 44.52	-0.096	04	0.22	15.343	07	02.8	39.82	07	01.3	K0	GC	25239	B*-18 4982
41		8.8A	27 25.102	0.0016	20	-19 24 5.15	0.018	15	0.33	25.076	18	33.6	5.44	16	33.6	B9 J	12B	7729	A -19 5030
42		8.6A	27 26.854	0.0014	18	-11 29 47.40	-0.046	20	0.35	26.831	18	33.6	46.64	16	33.6	G0 J	11	6326	A -11 4648
43		9.2A	27 28.571	0.0050	15	-13 23 22.52	0.027	17	0.31	28.488	18	33.6	22.96	16	33.6	B9 J	11	6324	A -13 5006
44		9.3A	27 28.708	-0.0059	20	-13 23 16.21	0.018	20	0.36	28.805	18	33.6	16.50	16	33.6	B9 J	11	6325	A -13 5006
45		8.4A	27 30.712	0.0002	15	-12 37 33.47	0.008	17	0.31	30.709	18	33.6	33.60	16	33.6	B9 J	11	6327	A -12 5077
46		8.8A	27 38.721	-0.0011	18	-16 40 12.55	-0.009	13	0.31	38.739	18	33.6	12.40	16	33.6	K0 J	12A	6789	A -16 4905
47		8.8A	27 46.291	0.0003	18	-13 13 33.17	0.032	20	0.35	46.286	18	33.6	33.69	16	33.6	K0 J	11	6328	A -13 5009
48		9.5A	27 46.559	-0.0020	18	-11 55 32.83	0.014	20	0.35	46.591	18	33.6	33.05	16	33.6	B9 J	11	6329	A -11 4650
49		8.8A	27 48.391	0.0013	21	-15 46 36.92	-0.008	15	0.34	48.369	18	33.6	36.79	16	33.6	A0 J	12A	6790	A -15 4991
50		9.4A	27 56.475	-0.0012	21	-15 57 56.51	0.007	15	0.34	56.495	18	33.6	56.62	16	33.6	B9 J	12A	6792	A -16 4906
51		8.9A	18 27 57.470	-0.0027	18	-17 17 42.13	-0.016	13	0.31	57.513	18	33.6	41.86	16	33.6	K0 J	12A	6791	A -17 5220
52		8.9A	27 58.881	-0.0004	15	-11 49 56.56	-0.009	15	0.30	58.888	18	33.6	56.40	16	33.6	M0 J	11	6332	A -11 4651
53		9.0A	27 59.015	0.0017	18	-13 40 14.08	-0.012	20	0.35	58.987	18	33.6	13.88	16	33.6	B3 J	11	6331	A -13 5011
54		9.2A	28 3.228	-0.0008	18	-14 57 48.02	-0.002	13	0.31	3.240	18	33.6	47.99	16	33.6	A3 J	12A	6794	A -15 4995
55		9.1A	28 3.350	0.0001	21	-14 57 39.34	-0.004	15	0.34	3.348	18	33.6	39.28	16	33.6	A3 J	12A	6795	A -15 4995
56		8.8A	28 5.275	-0.0009	21	-16 36 33.43	-0.005	15	0.34	5.290	18	33.6	33.34	16	33.6	B3 J	12A	6793	A -16 4907
57		7.0T	28 22.940	-0.0099	04	-18 56 32.44	-0.195	05	0.26	23.465	10	96.7	22.29	10	98.1	K0	GC	25276	B*-18 4986
58		8.6A	28 23.336	0.0007	17	-11 55 33.89	0.003	18	0.33	23.326	18	33.6	33.94	16	33.6	F0 J	11	6334	A -11 4655
59		9.0A	28 23.510	0.0044	20	-17 49 2.10	-0.064	15	0.33	23.438	18	33.6	1.06	16	33.6	G5 J	12B	7735	A -17 5221
60		9.0A	28 25.432	0.0001	21	-13 50 23.42	-0.003	15	0.34	25.431	18	33.6	23.37	16	33.6	A0 J	12A	6797	A -13 5013
61		9.2A	28 27.185	-0.0007	21	-14 9 0.32	-0.001	15	0.34	27.196	18	33.6	0.30	16	33.6	B0 J	12A	6798	A -14 5090
62		8.3A	28 27.371	-0.0006	20	-19 11 41.01	0.024	15	0.33	27.381	18	33.6	41.40	16	33.6	B8 J	12B	7737	A -19 5036
63		8.2P	28 27.642	-0.0006	09	-18 17 55.96	-0.001	07	0.44	27.671	15	98.6	55.91	14	95.4	F0	GC	25278	-18 4987
64		5.2T	28 30.470	-0.0003	03	-18 26 19.45	-0.026	03	0.15	30.481	06	06.3	18.27	07	04.2	A0	GC	25279K	B*-18 4988
65		8.9A	28 34.753	-0.0004	17	-12 22 27.22	0.001	18	0.33	34.759	18	33.6	27.22	16	33.6	B0 J	11	6335	A -12 5083
66		7.4T	28 38.325	-0.0012	13	-12 3 16.67	-0.179	12	0.66	38.385	21	00.8	7.55	19	99.2	F8	GC	25281	-12 5085
67		8.6A	28 38.415	-0.0013	21	-16 0 47.30	0.003	15	0.34	38.435	18	33.6	47.35	16	33.6	B8 J	12A	6799	A -16 4910
68		8.4A	28 38.493	-0.0006	15	-12 37 42.01	0.024	17	0.31	38.503	18	33.6	42.40	16	33.6	G0 J	11	6336	A -12 5084
69		5.8T	28 39.226	-0.0002	06	-10 49 55.22	-0.017	04	0.23	39.234	07	10.0	54.49	07	08.1	B3	GC	25282K	B*-10 4713
70		8.6A	28 40.779	-0.0019	20	-19 7 30.72	-0.025	15	0.33	40.811	18	33.6	30.30	16	33.6	B9 J	12B	7741	A -19 5042
71		6.5T	28 56.533	-0.0007	06	-19 9 42.32	-0.000	06	0.35	56.568	12	95.9	42.29	14	94.3	F8	GC	25287V	B*-19 5047
72		7.8P	28 58.621	-0.0006	07	-15 13 9.83	-0.003	07	0.45	58.651	17	94.3	9.64	17	90.0	F0	GC	25289	-15 5001
73		8.8A	29 7.461	0.0007	18	-14 2 37.07	0.004	13	0.31	7.450	18	33.6	37.13	16	33.6	K5 J	12A	6802	A -14 5095
74		8.6A	29 12.477	-0.0022	17	-11 41 9.78	0.021	18	0.33	12.514	18	33.6	10.11	16	33.6	B9 J	11	6340	A -11 4663
75		8.6A	29 15.266	-0.0014	17	-19 18 47.04	-0.031	15	0.31	15.290	18	33.6	46.52	16	33.6	B9 J	12B	7749	A -19 5052
76		7.3T	29 16.334	-0.0006	10	-19 9 40.17	-0.003	09	0.55	16.362	19	98.5	39.98	19	93.2	K2	GC	25300	-19 5053
77		9.0A	29 22.057	0.0004	15	-12 36 57.20	0.030	18	0.32	22.049	18	33.6	57.69	16	33.6	B9 J	11	6341	A -12 5090
78		9.4A	29 25.719	-0.0020	21	-16 8 24.82	-0.001	15	0.34	25.751	18	33.6	24.80	16	33.6	B9 J	12A	6803	A -16 4915
79		8.7A	29 28.221	-0.0006	21	-16 15 36.30	-0.006	15	0.34	28.230	18	33.6	36.20	16	33.6	K0 J	12A	6804	A -16 4916
80		6.3T	29 29.593	0.0011	10	-14 40 52.89	-0.019	11	0.58	29.534	18	98.1	51.88	18	98.2	A2	GC	25303	-14 5098
81		9.0A	29 31.942	0.0015	13	-11 19 37.77	0.012	15	0.29	31.918	18	33.6	37.96	16	33.6	B5 J	11	6342	A -11 4667
82		7.7T	29 32.601	0.0000	07	-19 0 37.16	-0.013	06	0.39	32.599	15	99.1	36.43	14	95.6	K0	GC	25306K	-19 5059
83		8.8A	29 34.600	-0.0001	21	-15 58 9.96	0.017	15	0.34	34.601	18	33.6	10.24	16	33.6	B9 J	12A	6806	A -16 4919
84		9.0A	29 35.115	0.0002	21	-15 34 21.10	-0.013	15	0.34	35.111	18	33.6	20.88	16	33.6	B9 J	12A	6807	A -15 5003
85		8.4A	29 45.374	0.0006	21	-15 44 22.05	-0.025	15	0.34	45.365	18	33.6	21.64	16	33.6	B0 J	12A	6808	A -15 5004
86		9.0A	29 46.850	0.0010	21	-14 56 57.55	0.012	15	0.34	46.834	18	33.6	57.75	16	33.6	K2 J	12A	6809	A -15 5005
87		5.9T	29 51.903	-0.0005	04	-14 54 12.49	0.000	04	0.24	51.928	09	95.9	12.52	09	93.8	K2	GC	25310	B*-14 5099
88		8.9A	29 57.801	0.0001	21	-15 52 22.20	0.007	15	0.34	57.798	18	33.6	22.31	16	33.6	K2 J	12A	6811	A -15 5006
89		8.8A	30 0.229	-0.0014	13	-13 5 51.99	-0.011	15	0.29	0.252	18	33.6	51.80	16	33.6	A0 J	11	6344	A -13 5023
90		8.4A	30 8.533	0.0001	21	-16 35 54.91	-0.023	15	0.34	8.531	18	33.6	54.53	16	33.6	K0 J	12A	6812	A -16 4922
91		9.1A	30 13.427	0.0003	15	-11 38 7.00	0.011	17	0.31	13.422	18	33.6	7.18	16	33.6	A5 J	11	6345	A -11 4670
92		7.0T	30 14.320	0.0001	04	-18 24 24.32	-0.012	04	0.25	14.315	12	02.6	23.72	12	00.5	B0	GC	25320	B*-18 4994
93		8.8A	30 17.397	-0.0032	17	-16 53 14.70	-0.172	11	0.28	17.450	18	33.6	11.87	16	33.6	G0 J	12A	6813	A -16 4925
94		8.7A	30 17.419	0.0025	15	-10 44 30.84	0.018	17	0.31	17.378	18	33.6	31.14	16	33.6	G5 J	11	6347	A -10 4717
95		8.9A	30 18.456	-0.0007	18	-13 57 1.84	-0.007	13	0.31	18.467	18	33.6	1.73	16	33.6	B5 J	12A	6814	A -14 5102
96		9.2A	30 22.126	0.0007	21	-14 1 25.50	0.020	22	0.39	22.115	18	33.6	25.83	16	33.6	F0 J	11	6348	A -14 5103
97		8.5A	30 25.503	0.0003	15	-13 31 55.74	0.037	17	0.31	25.498	18	33.6	56.35	16	33.6	K2 J	11	6349	A -13 5025
98		8.2A	30 29.899	0.0014	21	-16 4 56.54	0.035	15	0.34	29.875	18	33.6	57.11	16	33.6	G5 J	12A	6815	A -16 4928
99		9.0A	30 32.576	0.0000	21	-14 8 46.47	0.007	15	0.34	32.576	18	33.6	46.59	16	33.6	K5 J	12A	6817	A -14 5105
00		8.4A	30 32.921	0.0019	21	-16 54 36.96	-0.006	15	0.34	32.889	18	33.6	36.86	16	33.6	K2 J	12A	6816	A -16 4930

-10°
18H

161600

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	EPOCH 1950 μ s	EPOCH 1950 σ_μ ″.001	EPOCH 1950 δ_{1950} ° ′ ″	EPOCH 1950 μ' ″	EPOCH 1950 σ_μ ″.001	EPOCH 1950 σ_{1950} ″	ORIGINAL EPOCH α_2 s	ORIGINAL EPOCH σ ″.01	ORIGINAL EPOCH ep.	ORIGINAL EPOCH δ_2 ″	ORIGINAL EPOCH σ' ″.01	ORIGINAL EPOCH ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	-10° 18H DM NUMBER
1		9.0A	18 30 39.602	-0.0002	18	-19 53 2.82	-0.044	13	0.30	39.605	16	33.6	2.10	16	33.6	F0 J	13A	7764	A -19 5065
2		9.3A	30 42.325	0.0007	18	-16 51 24.54	0.006	13	0.31	42.314	18	33.6	24.63	16	33.6	A0 J	12A	6818	A -16 4931
3		9.1A	30 42.342	-0.0219	15	-11 40 17.96	-0.247	17	0.31	42.702	18	33.6	13.91	16	33.6	K2 J	11	6353	A -11 4672
4		8.3A	30 44.422	0.0006	15	-12 44 39.37	0.041	17	0.31	44.411	18	33.6	40.04	16	33.6	F5 J	11	6352	A -12 5102
5		5.7T	30 47.548	0.0015	04	-14 53 33.22	-0.014	04	0.24	47.468	09	96.5	32.45	09	95.4	A0	GC	25333	-14 5106
6		8.5A	30 59.985	0.0001	21	-14 27 54.17	-0.031	15	0.34	59.984	18	33.6	53.66	16	33.6	A0 J	12A	6820	A -14 5110
7		9.3A	31 1.408	-0.0004	20	-19 31 6.49	-0.019	15	0.33	1.414	18	33.6	6.18	16	33.6	F J	12B	7768	A -19 5067
8		8.7A	31 2.016	-0.0008	17	-10 0 56.35	0.007	18	0.33	2.025	18	33.6	56.47	16	33.6	K5 J	11	6354	A -10 4719
9		8.9A	31 4.911	-0.0006	17	-12 18 7.56	-0.004	18	0.33	4.920	18	33.6	7.50	16	33.6	B0 J	11	6355	A -12 5104
10		8.3B	31 7.405	-0.0003	17	-17 34 43.20	-0.096	15	0.68	7.417	19	10.2	39.13	19	07.7	F0	GC	25350	-17 5236
11		9.0A	31 11.080	-0.0002	21	-16 57 22.41	-0.003	15	0.34	11.084	18	33.6	22.36	16	33.6	B9 J	12A	6822	A -17 5237
12		9.2A	31 12.111	-0.0012	17	-10 39 47.87	-0.000	18	0.33	12.130	18	33.6	47.87	16	33.6	A0 J	11	6357	A -10 4720
13		8.4A	31 13.049	-0.0005	21	-15 48 24.38	-0.007	15	0.34	13.057	18	33.6	24.28	16	33.6	K0 J	12A	6823	A -15 5016
14		8.6A	31 14.448	-0.0005	21	-16 32 22.69	0.003	15	0.34	14.456	18	33.6	22.73	16	33.6	K0 J	12A	6824	A -16 4932
15		8.8A	31 14.765	-0.0019	17	-13 19 58.18	-0.001	18	0.33	14.776	18	33.6	58.17	16	33.6	A0 J	11	6356	A -13 5030
16		9.0A	31 17.510	0.0013	21	-17 44 4.44	-0.017	15	0.34	17.489	18	33.6	4.16	16	33.6	M J	12A	6825	A -17 5238
17		8.5A	31 22.139	0.0023	15	-13 7 57.83	-0.015	17	0.31	22.101	18	33.6	58.08	16	33.6	K2 J	11	6358	A -13 5031
18		8.6A	31 26.623	0.0010	18	-13 6 15.98	-0.006	20	0.35	26.606	18	33.6	15.89	16	33.6	K5 J	11	6359	A -13 5032
19		7.3T	31 27.676	0.0033	09	-19 49 27.92	-0.023	09	0.49	27.515	18	01.1	28.77	17	00.5	K0	GC	25355	-19 5071
20		8.7A	31 29.105	-0.0002	15	-13 31 30.93	-0.010	17	0.31	29.108	18	33.6	30.77	16	33.6	K5 J	11	6360	A -13 5033
21		8.7A	31 29.740	0.0007	18	-16 58 44.42	-0.005	13	0.31	29.728	18	33.6	44.33	16	33.6	B8 J	12A	6826	A -17 5240
22		8.4A	31 42.304	0.0022	18	-14 36 29.94	-0.020	13	0.31	42.268	18	33.6	29.61	16	33.6	K2 J	12A	6828	A -14 5113
23		8.9A	31 42.521	-0.0012	21	-16 46 44.49	-0.032	15	0.34	42.541	18	33.6	43.96	16	33.6	K0 J	12A	6827	A -16 4934
24		8.4A	31 50.321	0.0012	15	-10 34 6.14	-0.111	17	0.31	50.301	18	33.6	4.32	16	33.6	G0 J	11	6362	A -10 4723
25		8.8A	31 54.620	-0.0001	17	-13 17 39.81	-0.003	18	0.33	54.621	18	33.6	39.76	16	33.6	A0 J	11	6363	A -13 5036
26		9.2A	31 56.430	-0.0016	18	-16 10 22.17	-0.002	13	0.31	56.457	18	33.6	22.13	16	33.6	A0 J	12A	6829	A -16 4936
27		7.4A	31 57.565	0.0002	18	-13 28 29.90	-0.004	20	0.35	57.561	18	33.6	29.83	16	33.6	F8 J	11	6364	A -13 5037
28		8.9A	32 1.417	-0.0024	20	-19 34 24.20	-0.060	15	0.33	1.456	18	33.6	23.21	16	33.6	G5 J	12B	7775	A -19 5075
29		9.3A	32 2.986	0.0005	17	-14 44 28.75	-0.018	12	0.29	2.977	18	33.6	28.45	16	33.6	A0 J	12A	6830	A -14 5117
30		8.0B	32 3.924	-0.0017	09	-14 44 36.80	-0.023	07	0.45	4.011	18	98.8	35.45	15	91.7	A0	GC	25368K	B#-14 5118
31		7.0T	32 13.929	0.0011	11	-17 1 35.55	-0.007	09	0.57	13.872	21	97.7	35.14	18	94.0	A2	GC	25373	-17 5245
32		5.2T	32 15.590	0.0032	03	-11 1 4.34	-0.003	03	0.13	15.449	05	06.6	4.21	05	05.8	G5	GC	25374	B#-11 4681
33		9.1A	32 24.240	0.0006	21	-16 15 27.66	-0.005	15	0.34	24.230	18	33.6	27.57	16	33.6	K5 J	12A	6833	A -16 4939
34		9.4A	32 25.652	-0.0002	21	-16 51 43.95	-0.000	15	0.34	25.656	18	33.6	43.95	16	33.6	K7 J	12A	6834	A -16 4938
35		7.2T	32 26.624	0.0015	06	-19 18 33.69	-0.008	06	0.32	26.547	10	98.8	33.28	10	97.7	MB	GC	25382	-19 5077
36		8.2A	32 27.650	-0.0009	17	-16 10 51.28	-0.080	12	0.29	27.664	18	33.6	49.96	16	33.6	F5 J	12A	6835	A -16 4941
37		8.8A	32 29.731	0.0013	21	-14 43 35.44	-0.038	15	0.34	29.709	18	33.6	34.82	16	33.6	A0 J	12A	6836	A -14 5124
38		8.9A	32 32.860	-0.0010	20	-19 25 53.34	-0.004	15	0.33	32.877	18	33.6	53.28	16	33.6	A0 J	12B	7784	A -19 5078
39		8.1A	32 33.075	0.0004	15	-12 13 31.30	-0.072	15	0.30	33.068	18	33.6	30.12	16	33.6	F8 J	11	6366	A -12 5112
40		8.8A	32 37.730	0.0001	18	-10 11 34.89	0.037	20	0.35	37.729	18	33.6	35.50	16	33.6	B9 J	11	6367	A -10 4725
41		8.7A	32 45.464	-0.0012	15	-13 3 34.63	0.039	17	0.31	45.483	18	33.6	35.27	16	33.6	B9 J	11	6368	A -13 5042
42		9.1A	32 49.685	-0.0013	18	-15 45 51.46	-0.003	13	0.31	49.685	18	33.6	51.40	16	33.6	B2 J	12A	6837	A -15 5094
43		8.3A	32 53.261	0.0007	18	-19 35 44.36	-0.050	13	0.31	53.249	18	33.6	43.54	16	33.6	F5 J	12B	7786	A -19 5080
44		8.5A	32 54.463	0.0012	17	-13 21 19.95	0.005	18	0.33	54.443	18	33.6	20.04	16	33.6	B9 J	11	6369	A -13 5044
45		7.9A	33 9.746	-0.0021	21	-14 6 26.68	-0.022	15	0.34	9.780	18	33.6	26.32	16	33.6	B9 J	12A	6838	A -14 5129
46		8.5A	33 10.462	0.0003	17	-13 5 40.71	-0.001	18	0.33	10.457	18	33.6	40.70	16	33.6	K5 J	11	6370	A -13 5045
47		9.0A	33 10.792	0.0017	18	-10 34 21.14	-0.025	20	0.35	10.763	18	33.6	20.73	16	33.6	F5 J	11	6371	A -10 4726
48		8.7A	33 16.623	0.0031	20	-19 52 55.48	-0.014	12	0.31	16.572	16	33.6	55.25	16	33.6	B9 J	13A	7787	A -19 5083
49		9.4A	33 17.671	-0.0015	20	-19 19 44.68	-0.032	15	0.33	17.695	18	33.6	44.16	16	33.6	B8 J	12B	7788	A -19 5085
50		9.0A	33 22.163	-0.0021	21	-14 9 27.39	0.012	15	0.34	22.197	18	33.6	27.59	16	33.6	B0 J	12A	6839	A -14 5131
51		8.6A	18 33 22.258	-0.0005	17	-13 52 33.17	-0.017	13	0.30	22.267	18	33.6	32.89	16	33.6	B9 J	12A	6840	A -13 5046
52		8.5A	33 22.296	0.0091	17	-10 55 48.00	-0.177	18	0.33	22.146	18	33.6	45.10	16	33.6	G5 J	11	6373	A -10 4727
53		8.7A	33 27.376	0.0019	17	-13 46 33.91	-0.007	13	0.30	27.346	18	33.6	33.80	16	33.6	A2 J	12A	6841	A -13 5047
54		8.8A	33 34.327	-0.0002	20	-19 40 19.69	-0.051	15	0.33	34.331	18	33.6	18.85	16	33.6	K0 J	12B	7789	A -19 5087
55		8.7A	33 35.508	0.0009	15	-13 21 13.33	0.018	15	0.30	35.493	18	33.6	13.63	16	33.6	M0 J	11	6375	A -13 5048
56		8.2A	33 36.520	-0.0006	20	-18 49 48.24	-0.049	15	0.33	36.529	18	33.6	47.44	16	33.6	A0 J	12B	7790	A -18 5012
57		8.6A	33 42.727	0.0032	17	-12 1 36.87	-0.152	18	0.33	42.673	18	33.6	34.38	16	33.6	G5 J	11	6376K	A -12 5115
58		8.0B	33 47.573	-0.0003	07	-17 14 58.39	-0.000	07	0.41	47.589	15	99.0	58.37	17	93.9	F0	GC	25415	-17 5259
59		9.2A	33 48.552	0.0002	21	-15 27 16.20	-0.002	15	0.34	48.548	18	33.6	16.16	16	33.6	K0 J	12A	6843	A -15 5029
60		7.4T	33 54.919	0.0021	18	-15 59 16.87	0.020	13	0.73	54.828	17	06.4	17.78	17	03.5	K5	GC	25418	-16 4952
61		9.0A	33 57.875	-0.0020	21	-16 45 19.19	-0.032	15	0.34	57.908	18	33.6	18.66	16	33.6	A0 J	12A	6845	A -16 4953
62		8.3A	34 1.660	0.0011	20	-19 10 58.42	-0.027	12	0.32	1.642	18	33.6	57.98	16	33.6	B9 J	12B	7796	A -19 5094
63		8.7A	34 3.113	0.0011	21	-16 20 2.50	-0.004	15	0.34	3.095	18	33.6	2.42	16	33.6	G5 J	12A	6846	A -16 4955
64		8.9A	34 8.151	0.0006	18	-19 49 16.17	-0.011	13	0.30	8.140	16	33.6	15.99	16	33.6	B9 J	13A	7797	A -19 5095
65		7.1T	34 10.318	0.0001	06	-19 15 8.75	-0.002	07	0.41	10.312	18	92.9	8.65	17	93.5	K2	GC	25425K	-19 5097
66		9.1A	34 10.716	0.0020	21	-17 58 10.36	-0.008	15	0.34	10.684	18	33.6	10.23	16	33.6	A0 J	12A	6847	A -18 5014
67		8.8A	34 15.970	-0.0022	21	-16 18 31.63	0.008	15	0.34	16.006	18	33.6	31.75	16	33.6	G5 J	12A	6848	A -16 4956
68		8.4A	34 17.433	0.0049	21	-15 4 9.08	-0.017	15	0.34	17.353	18	33.6	8.80	16	33.6	F2 J	12A	6849	A -15 5030
69		8.9A	34 18.253	0.0010	15	-12 56 44.93	0.007	17	0.31	18.236	18	33.6	45.04	16	33.6	B9 J	11	6377	A -13 5051
70		9.6A	34 19.443	0.0003	21	-16 4 42.97	-0.002	15	0.34	19.437	18	33.6	42.93	16	33.6	F0 J	12A	6850	A -16 4957
71		9.2A	34 29.812	0.0037	15	-13 7 11.54	0.002	15	0.30	29.751	18	33.6	11.58	16	33.6	A0 J	11	6378	A -13 5052
72		8.8A	34 32.685	0.0034	21	-14 58 34.03	-0.016	15	0.34	32.628	18	33.6	33.77	16	33.6	K2 J	12A	6851	A -15 5032
73		9.1A	34 38.624	0.0015	21	-17 30 39.37	-0.028	15	0.34	38.600	18	33.6	38.91	16	33.6	B9 J	12A	6852	A -17 5267
74		8.5A	34 43.527	0.0019	15	-12 43 31.70	0.035	15	0.30	43.495	18	33.6	32.28	16	33.6	F0 J	11	6379	A -12 5119
75		6.9T	34 44.776	-0.0031	16	-12 23 35.27	-0.055	14	0.76	44.924	24	01.5	32.63	19	02.0	F8	GC	25441	-12 5120
76		9.4A	34 46.155	0.0061	21	-13 11 38.95	0.006	22	0.39	46.054	18	33.6	39.05	16	33.6	G0 J	11	6380	A -13 5053
77		9.3A	34 46.399	0.0003	18	-17 12 7.03	-0.005	13	0.31	46.393	18	33.6	6.94	16	33.6	K2 J	12A	6853	A -17 5268
78		8.8A	34 51.848	-0.0012	21	-15 28 15.90	0.002	15	0.34	51.668	18	33.6	15.94	16	33.6	B8P J	12A	6855	A -15 5033
79		9.2A	34 51.680	0.0000	18	-17 12 15.84	-0.011	13	0.31	51.679	18	33.6	15.65	16	33.6	K0 J	12A	6854	A -17 5269
80		8.5A	34 54.846	-0.0005	18	-19 38 45.53	-0.005	13	0.31	54.853	18	33.6	45.45	16	33.6	K5 J	12B	7809	A -19 5105
81		9.2A	34 55.578	0.0014	21	-14 58 46.43	0.017	15	0.34	55.554	18	33.6	46.71	16	33.6	B8 J	12A	6857	A -15 5035
82		9.1A	34 55.728	-0.0048	15	-10 46 9.84	-0.036	17	0.31	55.806	18	33.6	9.25	16	33.6	G0 J	11	6382	A -10 4732
83		6.8T	34 57.291	0.0001	04	-17 16 31.16	-0.000	03	0.18	57.287	06	06.3	31.15	06	04.2	F2	GC	25452	B#-17 5271
84		8:9A	35 2.235	-0.0015	13	-11 23 54.41	-0.014	13	0.28	2.260	18	33.6	54.18	16	33.6	F8 J	11	6383K	A -11 4692
85		9.2A	35 4.190	0.0008	21	-17 0 6.09	0.012	15	0.34	4.176	18	33.6	6.28	16	33.6	B8 J	12A	6858	A -17 5273
86		7.7A	35 5.761	0.0003	15	-13 31 0.90	0.013	15	0.30	5.757	18	33.6	1.12	16	33.6	G0 J	11	6384	A -13 5055
87		6.5T	35 14.292	0.0011	14	-14 2 56.48	0.001	13	0.75	14.235	22	99.0	56.54	21	97.8	B9	GC	25465K	-14 5139
88		8.9A	35 43.539	-0.0005	18	-19 34 44.71	-0.008	13	0.31	43.546	18	33.6	44.57	16	33.6	M0 J	12B	7813	A -19 5111
89		8.4A	35 43.678	-0.0015	21	-16 21 17.54	0.013	15	0.34	43.702	18	33.6	17.74	16	33.6	F0 J	12A	6860	A -16 4963
90		9.0A	35 47.469	0.0031	15	-13 21 9.23	0.015	17	0.31	47.418	18	33.6	9.48	16	33.6	A0 J	11	6386	A -13 5057
91		8.9A	35 54.672	-0.0005	15	-12 39 28.49	-0.004	17	0.31	54.680	18	33.6	28.43	16	33.6	B9 J	11	6388	A -12 5126
92		8.1A	35 57.420	0.0011	15	-12 5 49.43	0.005	17	0.31	57.401	18	33.6	49.52	16	33.6	A2 J	11	6389	A -12 5127
93		8.2A	36 3.145	-0.0016	21	-13 49 19.99	-0.006	15	0.34	3.172	18	33.6	19.90	16	33.6	K5 J	12A	6861	A -13 5060
94		7.7T	36 11.042	-0.0011	11	-15 5 4.24	0.017	10	0.59	11.099	17	97.5	5.16	15	94.2	K5	GC	25494	-15 5043
95		9.1A	36 19.809	0.0008	18	-14 27 19.02	0.003	13	0.31	19.795	18	33.6	19.07	16	33.6	K0 J	12A	6863	A -14 5143
96		8.9A	36 33.071	0.0013	20	-18 43 5.94	-0.031	15	0.33	33.050	18	33.6	5.44	16	33.6	K0 J	12B	7823	A -18 5028
97		9.1A	36 33.905	0.0007	13	-11 4 30.49	-0.024	15	0.29	33.894	18	33.6	30.10	16	33.6	K5 J	11	6391	A -11 4700
98		7.7A	36 38.447	-0.0011	13	-12 17 36.94	0.009	15	0.29	38.464	18	33.6	37.09	16	33.6	A0 J	11	6392	A -12 5129
99		9.4A	36 43.532	-0.0010	18	-15 8 12.84	-0.010	13	0.31	43.549	18	33.6	12.68	16	33.6	G5 J	12A	6864	A -15 5048
00		9.2A	36 49.988	0.0008	21	-15 12 9.91	-0.012	15	0.34	49.974	18	33.6	9.71	16	33.6	K5 J	12A	6865	A -15 5049

161700

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ s	σ_μ .001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ .001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ .01	ep.	δ_2 ″	σ' .01	ep.	SP.	CAT.	SOURCE STAR NUMBER	-10° 18H DM NUMBER
1		8.7A	18 36 52.162	-0.0001	15	-11 55 29.43	0.009	17	0.31	52.163	18	33.6	29.57	16	33.6	B0 J	11	6394	A -12 5132
2		9.4A	36 53.246	-0.0005	21	-15 13 39.98	-0.005	15	0.34	53.254	18	33.6	39.91	16	33.6	B8 J	12A	6866	A -15 5050
3		8.9A	37 7.103	-0.0032	18	-16 47 10.87	-0.087	13	0.31	7.154	18	33.6	9.44	16	33.6	K0 J	12A	6867	A -16 4971
4		9.4A	37 7.367	-0.0004	21	-15 21 53.30	-0.009	15	0.34	7.374	18	33.6	53.16	16	33.6	B5 J	12A	6869	A -15 5051
5		9.2A	37 9.490	-0.0006	20	-17 49 2.02	-0.018	15	0.33	9.500	18	33.6	1.72	16	33.6	B8 J	12B	7829	A -17 5281
6		7.7A	37 9.934	-0.0034	13	-11 9 9.28	-0.063	15	0.29	9.990	18	33.6	8.25	16	33.6	G0 J	11	6395	A -11 4702
7		8.9A	37 13.256	-0.0010	15	-10 15 2.33	-0.039	17	0.31	13.272	18	33.6	1.69	16	33.6	A0 J	11	6396	A -10 4747
8		9.0A	37 27.904	-0.0023	21	-14 48 18.69	-0.033	15	0.34	27.941	18	33.6	18.15	16	33.6	G0 J	12A	6870	A -14 5149
9		8.1A	37 29.507	0.0000	15	-13 7 11.83	0.022	15	0.30	29.507	18	33.6	12.19	16	33.6	K2 J	11	6397	A -13 5064
10		8.9A	37 35.493	0.0012	15	-13 27 25.36	-0.004	15	0.30	35.474	18	33.6	25.30	16	33.6	B J	11	6398	A -13 5065
11		9.2A	37 37.424	0.0011	15	-11 6 16.02	-0.029	17	0.31	37.405	18	33.6	15.54	16	33.6	F5 J	11	6399	A -11 4704
12		9.2A	37 40.965	0.0008	21	-15 32 19.44	0.006	15	0.34	40.952	18	33.6	19.53	16	33.6	A0 J	12A	6871	A -15 5056
13		8.9A	37 45.935	0.0023	15	-10 45 56.98	-0.000	17	0.31	45.897	18	33.6	56.98	16	33.6	B2 J	11	6401	A -10 4749
14		8.7A	37 48.155	0.0017	15	-12 45 3.84	-0.020	17	0.31	48.128	18	33.6	3.51	16	33.6	G0 J	11	6400	A -12 5137
15		8.6A	37 57.957	-0.0013	13	-13 22 52.35	-0.007	15	0.29	57.979	18	33.6	52.24	16	33.6	K2 J	11	6402	A -13 5067
16		8.5Q	38 3.827	0.0018	10	-14 33 12.29	0.005	08	0.47	3.746	18	04.8	12.53	17	00.2	K0	GC	25546K	-14 5152
17		9.0A	38 7.447	-0.0013	18	-19 35 46.52	-0.017	13	0.31	7.468	18	33.6	46.24	16	33.6	K5 J	12B	7835	A -19 5122
18		8.9A	38 7.792	-0.0041	21	-14 56 12.50	-0.019	15	0.34	7.860	18	33.6	12.19	16	33.6	A3 J	12A	6873	A -15 5059
19		9.3A	38 12.727	-0.0013	18	-16 35 22.36	-0.002	13	0.31	12.748	18	33.6	22.32	16	33.6	A0 J	12A	6874	A -16 4981
20		9.1A	38 15.429	0.0002	20	-19 40 39.18	-0.002	15	0.33	15.426	18	33.6	39.14	16	33.6	A0 J	12B	7836	A -19 5123
21		8.9A	38 16.431	-0.0007	20	-19 30 40.66	-0.000	15	0.33	16.442	18	33.6	40.66	16	33.6	A0 J	12B	7837	A -19 5124
22		9.0A	38 17.465	-0.0021	21	-14 48 17.36	0.009	15	0.34	17.499	18	33.6	17.51	16	33.6	B2 J	12A	6875	A -14 5153
23		8.5A	38 20.638	-0.0013	21	-13 54 40.59	-0.008	15	0.34	20.617	18	33.6	40.46	16	33.6	A0 J	12A	6876	A -13 5071
24		8.8A	38 25.971	-0.0017	21	-17 7 21.27	0.009	15	0.34	25.998	18	33.6	21.41	16	33.6	M2 J	12A	6877	A -17 5288
25		8.8A	38 38.720	0.0015	21	-16 2 4.04	-0.001	15	0.34	38.695	18	33.6	4.01	16	33.6	K2 J	12A	6878	A -16 4984
26		9.1A	38 39.786	-0.0029	20	-18 46 19.05	-0.024	15	0.33	39.833	18	33.6	18.66	16	33.6	M0 J	12B	7838	A -18 5036
27		8.8A	38 41.169	0.0021	20	-18 2 10.44	0.005	15	0.33	41.134	18	33.6	10.52	16	33.6	G J	12B	7839	A -18 5037
28		8.3A	38 41.236	0.0007	15	-10 26 40.98	0.006	17	0.31	41.225	18	33.6	41.08	16	33.6	K2 J	11	6404	A -10 4756
29		9.3A	38 43.437	0.0010	20	-18 58 8.40	0.015	15	0.33	43.421	18	33.6	8.65	16	33.6	F2 J	12B	7840	A -19 5126
30		6.5T	38 51.561	0.0002	07	-14 36 46.82	-0.000	06	0.40	51.549	15	90.3	46.81	14	87.9	F5	GC	25564	-14 5156
31		9.2A	38 53.444	0.0000	15	-12 9 38.11	-0.063	17	0.31	53.443	18	33.6	37.08	16	33.6	A0 J	11	6405	A -12 5142
32		8.5A	38 54.433	0.0011	13	-11 24 57.07	-0.057	15	0.29	54.414	18	33.6	56.14	16	33.6	G0 J	11	6406	A -11 4709
33		9.2A	38 54.950	0.0002	18	-19 23 21.89	-0.022	13	0.31	54.946	18	33.6	21.53	16	33.6	M0 J	12B	7841	A -19 5130
34		9.0A	38 59.424	-0.0018	21	-16 51 26.48	-0.102	15	0.34	59.454	18	33.6	24.80	16	33.6	G0 J	12A	6881	A -16 4985
35		8.8A	39 1.232	0.0009	20	-19 9 14.72	0.000	15	0.33	1.216	18	33.6	14.73	16	33.6	A3 J	12B	7844	A -19 5131
36		8.4A	39 2.086	0.0030	21	-16 26 13.15	-0.049	15	0.34	2.036	18	33.6	12.34	16	33.6	F8 J	12A	6882	A -16 4987
37		8.7A	39 7.908	0.0002	15	-10 36 32.95	0.026	15	0.30	7.905	18	33.6	33.38	16	33.6	K5 J	11	6407	A -10 4757
38		7.4T	39 16.344	0.0016	13	-17 3 37.58	-0.011	12	0.69	16.265	22	00.0	36.99	21	97.5	K0	GC	25574	-17 5291
39		9.0A	39 17.739	-0.0008	21	-15 42 38.43	-0.030	15	0.34	17.751	18	33.6	37.93	16	33.6	K2 J	12A	6884	A -15 5062
40		9.3A	39 24.606	-0.0022	20	-19 43 17.03	-0.030	15	0.33	24.642	18	33.6	16.54	16	33.6	F8 J	12B	7848	A -19 5132
41		9.2A	39 30.431	-0.0004	20	-17 54 7.45	-0.015	15	0.33	30.437	18	33.6	7.20	16	33.6	A0 J	12B	7851	A -17 5292
42		9.2A	39 31.391	0.0012	21	-14 38 14.22	-0.010	15	0.34	31.371	18	33.6	14.06	16	33.6	B9 J	12A	6887	A -14 5157
43		9.2A	39 34.311	0.0016	21	-14 41 40.71	-0.008	15	0.34	34.285	18	33.6	40.58	16	33.6	K5 J	12A	6889	A -14 5158
44		8.6A	39 35.705	0.0002	21	-15 57 18.16	-0.009	15	0.34	35.701	18	33.6	18.00	16	33.6	G0 J	12A	6888	A -16 4990
45		9.0A	39 37.334	0.0020	21	-15 58 54.16	0.006	15	0.34	37.301	18	33.6	54.25	16	33.6	B9 J	12A	6890	A -16 4991
46		8.9A	39 38.049	0.0001	15	-10 8 51.65	-0.063	17	0.31	38.048	18	33.6	50.62	16	33.6	G0 J	11	6408	A -10 4759
47		9.0A	39 39.754	-0.0008	15	-11 28 27.12	0.013	15	0.30	39.766	18	33.6	27.33	16	33.6	G0 J	11	6409	A -11 4716
48		8.4A	39 41.932	0.0001	15	-11 9 37.09	0.003	17	0.31	41.930	18	33.6	37.14	16	33.6	B8 J	11	6410	A -11 4717
49		8.8A	39 45.833	-0.0006	15	-10 28 43.43	-0.004	15	0.30	45.842	18	33.6	43.36	16	33.6	K2 J	11	6412	A -10 4760
50		9.0A	39 46.176	0.0007	15	-11 57 3.73	-0.011	17	0.31	46.165	18	33.6	3.56	16	33.6	A2 J	11	6411	A -12 5150
51		8.2A	18 39 47.719	0.0010	21	-15 34 16.83	-0.064	15	0.34	47.703	18	33.6	15.77	16	33.6	G5 J	12A	6891	A -15 5067
52		9.2A	39 51.820	0.0001	21	-15 50 21.54	-0.016	15	0.34	51.819	18	33.6	21.27	16	33.6	B9 J	12A	6892	A -15 5068
53		9.1A	39 55.551	-0.0013	21	-14 30 59.13	-0.003	15	0.34	55.571	18	33.6	59.08	16	33.6	A2 J	12A	6895	A -14 5161
54		6.5T	39 58.356	-0.0002	09	-19 20 1.48	-0.025	09	0.44	58.366	09	01.4	0.26	10	00.7	MB	GC	25588	-19 5134
55		8.9A	39 59.522	-0.0013	18	-17 47 47.86	0.036	13	0.31	59.543	18	33.6	48.45	16	33.6	K0 J	12B	7854	A -17 5295
56		8.8A	40 13.447	-0.0018	12	-10 2 29.70	-0.000	12	0.25	13.476	16	33.6	29.70	16	33.6	B8	16	6290	A -10 4764
57		9.2A	40 13.997	-0.0010	21	-14 30 27.11	-0.030	15	0.34	14.014	18	33.6	26.62	16	33.6	F8 J	12A	6897	A -14 5162
58		9.2A	40 14.015	0.0005	21	-16 30 18.77	-0.035	15	0.34	14.006	18	33.6	18.19	16	33.6	K0 J	12A	6896	A -16 4995
59		8.8A	40 14.272	0.0018	20	-18 12 37.19	0.020	15	0.33	14.242	18	33.6	37.51	16	33.6	K0 J	12B	7856	A -18 5044
60		9.0A	40 21.383	0.0012	21	-14 43 59.67	-0.000	15	0.34	21.363	18	33.6	59.67	16	33.6	A0 J	12A	6898	A -14 5163
61		9.0A	40 21.473	-0.0011	20	-19 16 38.09	0.013	15	0.33	21.491	18	33.6	38.31	16	33.6	A0 J	12B	7858	A -19 5137
62		9.4A	40 30.330	0.0001	21	-14 42 53.39	-0.019	15	0.34	30.329	18	33.6	53.08	16	33.6	F8 J	12A	6900	A -14 5164
63		9.2A	40 31.883	-0.0054	21	-15 45 45.46	-0.020	15	0.34	31.972	18	33.6	45.12	16	33.6	K0 J	12A	6901	A -15 5071
64		8.5A	40 32.905	0.0009	18	-16 50 8.16	-0.002	13	0.31	32.889	18	33.6	8.12	16	33.6	A0 J	12A	6899	A -16 4998
65		9.2A	40 35.616	0.0027	21	-17 28 3.78	-0.004	15	0.34	35.572	18	33.6	3.71	16	33.6	A0 J	12A	6902	A -17 5300
66		7.1T	40 44.559	-0.0004	12	-11 23 16.30	-0.003	10	0.62	44.581	19	00.5	16.14	17	95.8	K5	GC	25608	-11 4726
67		8.8A	40 48.297	0.0013	21	-17 35 46.88	-0.026	15	0.34	48.275	18	33.6	46.45	16	33.6	A0 J	12A	6903	A -17 5301
68		9.0A	40 49.882	0.0003	21	-14 29 24.85	-0.009	15	0.34	49.877	18	33.6	24.71	16	33.6	B9 J	12A	6904	A -14 5165
69		8.6A	40 51.787	0.0003	15	-11 32 46.25	0.027	17	0.31	51.781	18	33.6	46.69	16	33.6	B5 J	11	6416	A -11 4729
70		9.0A	40 53.776	-0.0010	21	-15 19 28.73	0.005	15	0.34	53.792	18	33.6	28.82	16	33.6	M2 J	12A	6905	A -15 5076
71		8.2A	40 56.572	-0.0002	15	-10 47 0.81	-0.049	17	0.31	56.574	18	33.6	0.01	16	33.6	K2 J	11	6417	A -10 4768
72		8.1A	40 57.815	0.0004	21	-16 59 32.95	-0.024	15	0.34	57.808	18	33.6	32.55	16	33.6	A2 J	12A	6906	A -17 5303
73		8.5A	40 58.718	0.0045	20	-19 56 33.96	-0.012	15	0.33	58.645	16	33.6	33.76	16	33.6	G5 J	13A	7863K	A -20 5244
74		9.2A	41 0.063	0.0016	20	-18 23 39.09	-0.008	15	0.33	0.036	18	33.6	38.96	16	33.6	K0 J	12B	7864	A -18 5047
75		9.3A	41 6.502	-0.0007	20	-19 17 0.41	-0.016	15	0.33	6.513	18	33.6	0.15	16	33.6	A0 J	12B	7865	A -19 5140
76		8.8A	41 8.621	-0.0016	18	-18 48 54.86	-0.046	12	0.30	8.647	18	33.6	54.11	16	33.6	K0 J	12B	7866	A -18 5048
77		6.7T	41 12.041	0.0005	11	-19 22 10.02	0.027	11	0.55	12.016	15	00.4	11.38	15	00.2	F2	GC	25619	-19 5142
78		8.7A	41 13.641	-0.0004	15	-10 12 43.23	-0.082	17	0.31	13.648	18	33.6	41.89	16	33.6	G0 J	11	6418	A -10 4771
79		9.0A	41 37.809	0.0016	15	-12 2 44.56	-0.014	17	0.31	37.783	18	33.6	44.33	16	33.6	F5 J	11	6419	A -12 5155
80		9.0A	41 48.613	0.0012	15	-12 55 32.08	-0.006	17	0.31	48.594	18	33.6	31.99	16	33.6	B9 J	11	6420	A -13 5084
81		9.3A	41 49.371	0.0007	18	-16 50 56.97	-0.017	13	0.31	49.358	18	33.6	56.69	16	33.6	F0 J	12A	6907	A -16 5006
82		8.4A	41 53.654	-0.0001	17	-10 29 49.21	-0.010	18	0.33	53.655	18	33.6	49.05	16	33.6	A0 J	11	6421	A -10 4776
83		8.4A	41 54.973	-0.0011	17	-10 39 48.58	0.017	18	0.33	54.954	18	33.6	48.86	16	33.6	F5 J	11	6422	A -10 4777
84		9.1A	41 57.284	-0.0010	21	-16 8 2.58	-0.011	15	0.34	57.300	18	33.6	2.39	16	33.6	B9 J	12A	6908	A -16 5007
85		9.2A	42 0.692	-0.0031	15	-10 35 10.65	-0.003	17	0.31	0.742	18	33.6	10.60	16	33.6	A0 J	11	6423	A -10 4779
86		9.4A	42 2.014	0.0004	21	-14 24 20.05	0.000	15	0.34	2.007	18	33.6	20.06	16	33.6	B3 J	12A	6909	A -14 5172
87		9.0A	42 6.432	-0.0004	20	-18 8 44.19	-0.028	15	0.33	6.439	18	33.6	43.73	16	33.6	A2 J	12B	7875	A -18 5052
88		7.0T	42 17.282	0.0009	13	-11 30 26.35	-0.016	11	0.67	17.233	22	98.5	25.43	19	92.5	B8	GC	25651	-11 4735
89		8.9A	42 18.136	0.0014	15	-12 51 3.05	-0.085	17	0.31	18.116	18	33.6	1.65	16	33.6	G5 J	11	6424	A -12 5156
90		9.4A	42 23.499	-0.0011	18	-16 49 56.39	-0.023	13	0.31	23.517	18	33.6	56.01	16	33.6	A3 J	12A	6910	A -16 5010
91		8.5A	42 31.145	-0.0004	18	-12 38 16.62	0.012	20	0.35	31.152	18	33.6	16.81	16	33.6	K5 J	11	6426	A -12 5158
92		9.5A	42 31.420	-0.0016	17	-16 41 0.79	-0.010	12	0.29	31.445	18	33.6	0.62	16	33.6	A2 J	12A	6911	A -16 5011
93		9.4A	42 36.412	0.0002	18	-16 33 25.89	-0.053	13	0.31	36.410	18	33.6	25.01	16	33.6	A0 J	12A	6912	A -16 5013
94		7.8A	42 42.479	-0.0029	21	-17 35 53.06	-0.031	15	0.34	42.526	18	33.6	52.55	16	33.6	B3 J	12A	6913	A -17 5310
95		9.6A	42 43.479	-0.0039	21	-14 42 54.59	-0.026	15	0.34	43.542	18	33.6	54.16	16	33.6	A0 J	12A	6914	A -14 5179
96		7.7T	42 45.514	0.0011	20	-12 38 25.55	0.027	16	0.91	45.460	24	01.5	26.92	22	99.3	K0	GC	25670	-12 5159
97		9.0A	42 46.892	0.0002	13	-10 34 48.18	0.012	15	0.29	46.888	18	33.6	48.38	16	33.6	A0 J	11	6429	A -10 4784
98		9.3A	42 49.725	0.0006	21	-14 15 22.55	-0.016	15	0.34	49.715	18	33.6	22.29	16	33.6	F0 J	12A	6915	A -14 5181
99		8.3A	42 50.109	0.0006	17	-13 43 26.68	-0.024	17	0.32	50.100	18	33.6	26.29	16	33.6	F2 J	11	6428K	A -13 5093
00		9.0A	42 50.788	0.0020	15	-11 5 35.42	-0.004	17	0.31	50.754	18	33.6	35.35	16	33.6	B9 J	11	6430	A -11 4740

161800

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	σ'_μ ″.001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.		SOURCE CAT.	STAR NUMBER	-10° 18H DM NUMBER
1		8.3A	18 42 57.647	0.0001	20	-18 25 3.46	-0.022	15	0.33	57.645	18	33.6	3.09	16	33.6	B9	J	12B	7880	A -18 5057
2		8.2A	42 59.525	-0.0007	17	-19 8 9.31	-0.023	12	0.29	59.537	18	33.6	8.93	16	33.6	K0	J	12B	7881	A -19 5153
3		6.5T	43 3.998	-0.0002	08	-19 39 36.95	0.004	07	0.42	4.009	14	84.7	37.16	12	93.3	P8		GC	25677	-19 5154
4		8.7A	43 4.683	0.0003	15	-12 8 38.96	0.008	17	0.31	4.677	18	33.6	39.10	16	33.6	A3	J	11	6431	A -12 5160
5		7.2G	43 5.375	0.0007	07	-10 32 47.21	-0.009	06	0.45	5.329	19	88.1	46.59	15	80.6	F2		GC	25679K	B+-10 4787
6		9.0A	43 8.021	-0.0007	15	-11 9 46.23	0.024	18	0.32	8.032	18	33.6	46.63	16	33.6	K7	J	11	6434	A -11 4742
7		8.8A	43 13.769	-0.0011	21	-15 31 48.45	-0.021	15	0.34	13.786	18	33.6	48.10	16	33.6	A0	J	12A	6916	A -15 5086
8		8.3A	43 17.302	0.0017	15	-10 20 37.78	0.016	17	0.31	17.273	18	33.6	38.05	16	33.6	K2	J	11	6436	A -10 4792
9		9.3A	43 21.939	-0.0004	18	-16 47 44.98	-0.025	13	0.31	21.947	18	33.6	44.57	16	33.6	A0	J	12A	6917	A -16 5019
10		9.6A	43 24.132	0.0002	21	-16 6 35.75	-0.020	15	0.34	24.129	18	33.6	35.41	16	33.6	B9	J	12A	6918	A -16 5021
11		8.5A	43 39.115	-0.0003	17	-10 23 2.33	0.024	18	0.33	39.119	18	33.6	2.73	16	33.6	K2	J	11	6437	A -10 4793
12		9.2A	43 48.185	-0.0010	18	-19 3 1.34	0.001	13	0.31	48.202	18	33.6	1.36	16	33.6	B9	J	12B	7888	A -19 5160
13		8.6A	43 48.737	0.0011	15	-12 42 5.64	-0.004	17	0.31	48.719	18	33.6	5.58	16	33.6	A0	J	11	6438	A -12 5162
14		9.0A	43 51.589	-0.0026	18	-16 51 57.69	-0.010	13	0.31	51.631	18	33.6	57.52	16	33.6	B9	J	12A	6919	A -16 5022
15		9.0A	43 55.110	0.0005	21	-14 54 10.13	-0.016	15	0.34	55.101	18	33.6	9.86	16	33.6	A0	J	12A	6920	A -14 5186
16		7.1T	43 55.795	-0.0023	16	-14 30 58.58	-0.253	13	0.73	55.905	21	02.5	46.36	17	01.7	F8		GC	25716	-14 5187
17		5.8T	43 57.791	-0.0006	06	-10 10 46.96	0.001	06	0.30	57.814	12	07.2	47.01	12	04.5	F5		GC	25718K	B+-10 4797
18		9.5A	43 58.853	-0.0081	21	-14 47 15.78	0.058	15	0.34	58.985	18	33.6	16.73	16	33.6	G5	J	12A	6923	A -14 5188
19		8.5A	43 59.439	-0.0002	21	-14 58 3.06	-0.029	15	0.34	59.441	18	33.6	2.58	16	33.6	K0	J	12A	6922	A -15 5091
20		9.0A	44 6.535	0.0000	17	-12 20 5.14	0.012	18	0.33	6.534	18	33.6	5.34	16	33.6	B	J	11	6440	A -12 5163
21		8.9A	44 11.275	0.0002	17	-12 26 21.03	0.009	18	0.33	11.272	18	33.6	21.18	16	33.6	B9	J	11	6441	A -12 5164
22		9.0A	44 16.918	0.0006	21	-16 45 19.23	-0.024	15	0.34	16.908	18	33.6	18.89	16	33.6	F5	J	12A	6924	A -16 5026
23		9.0A	44 18.367	0.0019	17	-12 11 45.97	0.001	18	0.33	18.336	18	33.6	45.99	16	33.6	B	J	11	6442	A -12 5166
24		8.7A	44 26.723	0.0000	17	-11 16 16.17	-0.023	18	0.33	26.722	18	33.6	15.79	16	33.6	A0	J	11	6443	A+-11 4748
25		8.6A	44 37.321	-0.0004	20	-18 48 34.71	-0.025	15	0.33	37.328	18	33.6	34.30	16	33.6	K0	J	12B	7894	A -18 5063
26		8.2A	44 38.157	0.0044	21	-16 2 16.64	-0.097	15	0.34	38.085	18	33.6	15.04	16	33.6	A5	J	12A	6925	A -16 5028
27		8.9A	44 41.337	0.0030	20	-19 55 18.80	-0.050	15	0.33	41.288	16	33.6	17.98	16	33.6	F8	J	13A	7895	A -20 5267
28		9.4A	44 45.701	-0.0030	21	-16 11 23.64	-0.034	15	0.34	45.750	18	33.6	23.07	16	33.6	A0	J	12A	6926	A -16 5029
29		9.6A	44 47.750	0.0004	21	-16 36 3.83	0.013	15	0.34	47.743	18	33.6	4.04	16	33.6	A0	J	12A	6927	A -16 5030
30		9.3A	44 51.260	-0.0009	21	-14 34 43.88	-0.013	15	0.34	51.275	18	33.6	43.67	16	33.6	B9	J	12A	6928	A -14 5192
31		9.0A	44 51.281	0.0008	20	-18 39 32.53	-0.009	15	0.33	51.268	18	33.6	32.38	16	33.6	A0	J	12B	7897	A -18 5066
32		9.1A	44 55.137	0.0039	18	-14 1 42.67	-0.025	13	0.31	55.073	18	33.6	42.27	16	33.6	G5	J	12A	6929	A -14 5193
33		7.3A	44 56.821	-0.0006	17	-12 23 7.70	-0.006	18	0.33	56.832	18	33.6	7.61	16	33.6	K5	J	11	6445	A -12 5168
34		7.8A	45 3.044	-0.0001	20	-18 17 5.63	-0.000	15	0.33	3.045	18	33.6	5.62	16	33.6	+++	J	12B	7900	A -18 5070
35		7.2A	45 5.638	-0.0012	21	-16 49 57.64	-0.036	15	0.34	5.657	18	33.6	57.04	16	33.6	K2	J	12A	6930	A -16 5033
36		9.2A	45 7.408	0.0004	18	-16 56 30.12	-0.148	13	0.31	7.401	18	33.6	27.69	16	33.6	G0	J	12A	6931	A -17 5319
37		8.9A	45 9.220	-0.0013	20	-18 28 48.36	-0.025	15	0.33	9.242	18	33.6	47.95	16	33.6	A5	J	12B	7902	A -18 5073
38		9.1A	45 10.755	0.0010	15	-11 36 10.97	0.034	15	0.30	10.739	18	33.6	11.52	16	33.6	F2	J	11	6446	A -11 4751
39		9.0A	45 11.764	-0.0006	15	-11 10 15.10	-0.006	17	0.31	11.773	18	33.6	15.00	16	33.6	K5	J	11	6447	A -11 4752
40		7.8A	45 14.555	0.0023	21	-16 28 32.88	-0.000	15	0.34	14.517	18	33.6	32.87	16	33.6	K0	J	12A	6932	A -16 5034
41		8.6A	45 15.664	0.0049	17	-10 11 58.99	-0.226	18	0.33	15.584	18	33.6	55.29	16	33.6	K0	J	11	6448	A -10 4804
42		7.0T	45 16.815	0.0008	15	-19 15 21.55	-0.042	16	0.80	16.775	24	00.9	19.50	24	00.9	K5		GC	25749	-19 5168
43		6.9T	45 21.040	-0.0024	26	-14 45 50.20	-0.002	20	1.04	21.144	26	06.6	50.10	22	03.8	G0		GC	25752	-14 5195
44		7.6A	45 33.201	-0.0003	17	-11 26 52.28	-0.035	18	0.33	33.206	18	33.6	51.71	16	33.6	G5	J	11	6449	A -11 4753
45		8.9A	45 34.167	-0.0017	20	-19 44 31.89	0.011	15	0.33	34.195	16	33.6	32.07	16	33.6	B8	J	13A	7905	A -19 5170
46		8.4A	45 45.390	-0.0013	21	-15 21 7.97	-0.021	15	0.34	45.411	18	33.6	7.63	16	33.6	B9	J	12A	6934	A -15 5099
47		8.6A	45 47.435	0.0022	20	-18 45 25.01	-0.006	15	0.33	47.399	18	33.6	24.91	16	33.6	B9	J	12B	7906	A -18 5078
48		6.5T	45 49.521	-0.0006	11	-18 39 29.76	-0.005	12	0.55	49.549	10	02.5	29.53	12	02.4	A0		GC	25761	-18 5079
49		8.5A	45 50.295	-0.0009	18	-17 5 33.76	-0.015	13	0.31	50.311	18	33.6	33.51	16	33.6	K0	J	12A	6935	A -17 5324
50		7.0T	45 52.900	-0.0019	12	-18 41 20.90	0.005	13	0.64	52.990	18	02.5	21.15	19	02.1	A2		GC	25763	-18 5080
51		8.9A	18 45 55.732	0.0030	21	-15 5 2.97	0.015	15	0.34	55.682	18	33.6	3.23	16	33.6	K0	J	12A	6936	A -15 5100
52		9.1A	45 57.146	0.0050	15	-13 15 54.03	0.014	15	0.30	57.063	18	33.6	54.26	16	33.6	K2	J	11	6450	A -13 5105
53		8.9A	45 58.167	0.0010	15	-11 45 43.68	0.013	17	0.31	58.150	18	33.6	43.89	16	33.6	A0	J	11	6451	A -11 4756
54		9.0A	45 59.103	0.0001	21	-16 18 4.11	-0.015	15	0.34	59.102	18	33.6	3.85	16	33.6	A0	J	12A	6937	A -16 5040
55		8.9A	46 2.636	0.0007	17	-12 36 48.14	0.026	18	0.33	2.625	18	33.6	48.57	16	33.6	B2	J	11	6452	A -12 5174
56		7.9A	46 9.334	0.0004	21	-13 57 43.80	-0.032	15	0.34	9.327	18	33.6	43.28	16	33.6	F0	J	12A	6938	A -14 5197
57		9.1A	46 13.218	0.0012	21	-16 56 27.65	-0.020	15	0.34	13.197	18	33.6	27.32	16	33.6	A3	J	12A	6939	A -17 5326
58		9.1A	46 20.341	0.0002	21	-15 12 36.82	-0.015	15	0.34	20.338	18	33.6	36.58	16	33.6	B8	J	12A	6940	A -15 5102
59		8.7A	46 23.986	0.0000	17	-12 39 11.24	-0.000	18	0.33	23.986	18	33.6	11.24	16	33.6	B5	J	11	6454	A -12 5177
60		9.0A	46 25.718	0.0020	18	-10 17 56.27	-0.025	20	0.35	25.685	18	33.6	55.86	16	33.6	G0	J	11	6455	A -10 4814
61		8.7A	46 26.658	0.0008	12	-10 0 32.69	-0.020	12	0.25	26.845	16	33.6	32.36	16	33.6	B9		16	6357K	A -10 4815
62		8.6A	46 26.943	0.0018	20	-18 49 39.73	0.020	15	0.33	26.914	18	33.6	40.06	16	33.6	G0	J	12B	7910	A -18 5085
63		8.2A	46 28.603	-0.0010	15	-11 1 55.28	-0.025	17	0.31	28.619	18	33.6	54.87	16	33.6	A2	J	11	6457K	A -11 4757
64		8.7A	46 28.841	0.0015	18	-18 20 24.37	0.015	13	0.31	28.816	18	33.6	24.61	16	33.6	A0	J	12B	7911	A -18 5086
65		8.6A	46 28.944	0.0001	17	-10 38 2.09	0.008	18	0.33	28.942	18	33.6	2.22	16	33.6	F5	J	11	6458	A -10 4816
66		8.7A	46 30.142	-0.0001	20	-18 28 16.62	-0.018	15	0.33	30.143	18	33.6	16.32	16	33.6	A0	J	12B	7912	A -18 5087
67		8.9A	46 30.510	0.0019	15	-10 16 58.21	-0.021	17	0.31	30.479	18	33.6	57.87	16	33.6	B8	J	11	6459	A -10 4817
68		8.6A	46 31.175	-0.0020	21	-14 27 8.75	0.000	15	0.34	31.208	18	33.6	8.75	16	33.6	A3	J	12A	6941	A -14 5198
69		9.0A	46 33.228	0.0009	20	-19 3 57.73	-0.004	15	0.33	33.212	18	33.6	57.67	16	33.6	B8	J	12B	7913	A -19 5179
70		7.6A	46 35.107	-0.0018	21	-16 46 51.54	-0.009	15	0.34	35.137	18	33.6	51.39	16	33.6	G5P	J	12A	6942	A -16 5041
71		6.4T	46 38.979	0.0011	14	-19 12 0.99	0.009	16	0.81	38.920	22	96.9	1.46	22	99.7	A0		GC	25782	-19 5182
72		8.3A	46 38.999	0.0007	17	-18 57 58.08	0.009	12	0.29	38.987	18	33.6	58.23	16	33.6	A0	J	12B	7915	A -19 5181
73		7.9A	46 39.211	0.0007	15	-11 50 46.12	0.016	17	0.31	39.200	18	33.6	46.39	16	33.6	B9	J	11	6460	A -11 4758
74		8.7A	46 40.760	0.0018	15	-12 52 56.52	0.007	17	0.31	40.730	18	33.6	56.63	16	33.6	F8	J	11	6461	A -12 5182
75		8.9A	46 41.504	0.0015	15	-11 13 49.51	0.008	17	0.31	41.480	18	33.6	49.64	16	33.6	A0	J	11	6462	A -11 4760
76		7.4A	46 46.324	-0.0014	15	-10 26 16.09	-0.021	15	0.30	46.346	18	33.6	15.75	16	33.6	K0	J	11	6463	A -10 4819
77		8.8A	46 47.818	0.0022	18	-10 15 56.92	-0.002	00	0.27	47.782	18	33.6	56.89	16	33.6	K0	J	11	6464	A -10 4820
78		9.0A	46 52.891	0.0022	21	-15 6 27.19	-0.022	15	0.34	52.856	18	33.6	26.82	16	33.6	K5	J	12A	6945	A -15 5107
79		9.2A	46 55.006	-0.0009	21	-16 58 40.38	0.018	15	0.34	55.020	18	33.6	40.67	16	33.6	B9	J	12A	6944	A -17 5334
80		9.2A	46 58.902	-0.0023	20	-19 47 41.57	-0.009	15	0.33	58.939	16	33.6	41.42	16	33.6	A0	J	13A	7919	A -19 5184
81		8.9A	46 59.260	0.0004	15	-11 36 42.07	0.032	17	0.31	59.253	18	33.6	42.60	16	33.6	B9	J	11	6465	A -11 4764
82		9.2A	47 3.971	0.0005	21	-15 41 21.83	-0.010	15	0.34	3.962	18	33.6	21.66	16	33.6	B8	J	12A	6946	A -15 5110
83		8.6A	47 6.847	0.0010	20	-18 29 40.51	-0.014	15	0.33	6.831	18	33.6	40.28	16	33.6	+++	J	12B	7921	A -18 5091
84		8.6A	47 9.573	-0.0005	18	-17 59 48.67	0.003	13	0.31	9.581	18	33.6	48.71	16	33.6	B8	J	12A	6947	A -18 5093
85		8.9A	47 13.201	0.0064	15	-13 20 3.18	-0.166	15	0.30	13.097	18	33.6	0.46	16	33.6	G0	J	11	6466	A -13 5114
86		9.1A	47 13.742	0.0021	15	-11 13 24.52	0.043	17	0.31	13.707	18	33.6	25.23	16	33.6	B8	J	11	6468	A -11 4766
87		8.7A	47 15.025	0.0029	15	-13 19 53.75	-0.153	17	0.31	14.978	18	33.6	51.23	16	33.6	G0	J	11	6467	A -13 5115
88		8.7A	47 20.199	-0.0003	20	-19 1 44.69	0.009	15	0.33	20.203	18	33.6	44.84	16	33.6	B8	J	12B	7923	A -19 5186
89		9.3A	47 28.804	-0.0046	21	-17 17 48.06	-0.100	15	0.34	28.879	18	33.6	46.42	16	33.6	G5	J	12A	6948	A -17 5336
90		8.7A	47 31.740	0.0000	15	-10 35 51.63	-0.006	15	0.30	31.739	18	33.6	51.53	16	33.6	K5	J	11	6469	A -10 4823
91		9.0A	47 36.192	-0.0010	21	-14 26 38.75	-0.018	15	0.34	36.208	18	33.6	38.46	16	33.6	F0	J	12A	6949	A -14 5204
92		9.4A	47 39.605	-0.0014	21	-15 20 6.44	-0.024	15	0.34	39.627	18	33.6	6.05	16	33.6	F8	J	12A	6950	A -15 5113
93		6.5T	47 41.589	-0.0006	07	-13 37 52.89	-0.004	06	0.29	41.614	09	07.6	52.73	09	09.0	K2		GC	25827	-13 5119
94		8.7A	47 41.815	0.0007	17	-11 3 55.65	-0.017	17	0.32	41.804	18	33.6	55.37	16	33.6	B9	J	11	6471	A -11 4773
95		9.4A	47 44.658	-0.0005	20	-19 43 0.52	-0.015	15	0.33	44.665	18	33.6	0.27	16	33.6	B9	J	12B	7927	A -19 5192
96		8.7A	47 49.010	-0.0004	18	-16 49 2.43	-0.003	13	0.31	49.017	18	33.6	2.37	16	33.6	K0	J	12A	6951	A -16 5046
97		8.9A	47 50.539	0.0028	15	-10 11 2.73	-0.150	17	0.31	50.497	18	33.6	0.27	16	33.6	G5	J	11	6472	A -10 4825
98		9.4A	47 58.708	0.0032	21	-13 49 36.63	0.002	15	0.34	58.655	18	33.6	36.67	16	33.6	K0	J	12A	6952	A -13 5122
99		9.0A	48 3.674	0.0001	21	-15 18 55.56	-0.000	15	0.34	3.673	18	33.6	55.55	16	33.6	A3	J	12A	6954	A -15 5117
00		8.7A	48 6.028	0.0006	20	-17 50 55.71	-0.007	15	0.33	6.017	18	33.6	55.59	16	33.6	B9	J	12B	7933	A -17 5342

161900

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ_α s	σ_{μ_α} ″.001	δ_{1950} ° ′ ″	μ_δ ″	σ_{μ_δ} ″.001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	DM NUMBER
1		8.4A	18 48 10.668	0.0019	20	-19 40 32.36	-0.023	15	0.33	10.636	18	33.6	31.98	16	33.6	KO J	12B	7934	A -19 5195
2		8.2A	48 13.808	0.0016	17	-13 30 21.60	-0.027	18	0.33	13.782	18	33.6	21.16	16	33.6	K2 J	11	6474	A -13 5123
3		9.2A	48 15.488	0.0010	20	-18 4 3.86	0.007	15	0.33	15.472	18	33.6	3.97	16	33.6	A0 J	12B	7936	A -18 5104
4		9.0A	48 17.897	0.0028	17	-11 37 34.92	-0.055	18	0.33	17.851	18	33.6	34.02	16	33.6	F8 J	11	6477	A -11 4775
5		9.0A	48 18.702	0.0002	21	-17 45 55.85	-0.013	15	0.34	18.698	18	33.6	55.63	16	33.6	B8 J	12A	6955	A -17 5344
6		8.5A	48 21.421	0.0011	15	-10 17 39.71	0.001	17	0.31	21.403	18	33.6	39.73	16	33.6	F0 J	11	6478	A -10 4828
7		9.2A	48 22.736	0.0000	21	-17 27 39.26	-0.009	15	0.34	22.736	18	33.6	39.11	16	33.6	B8 J	12A	6956	A -17 5345
8		8.6A	48 23.112	-0.0022	21	-16 13 14.66	-0.082	15	0.34	23.147	18	33.6	13.31	16	33.6	G0 J	12A	6957	A -16 5048
9		6.8T	48 25.892	-0.0002	22	-17 12 51.74	0.005	22	1.05	25.902	10	03.7	51.96	12	03.8	A2	GC	25852	-17 5347
10		9.0A	48 27.764	0.0009	21	-16 55 45.44	0.013	15	0.34	27.749	18	33.6	45.65	16	33.6	K7 J	12A	6959	A -17 5349
11		9.6A	48 32.370	0.0015	21	-13 58 9.31	-0.030	15	0.34	32.345	18	33.6	8.82	16	33.6	K2 J	12A	6961	A -14 5211
12		8.7A	48 32.746	-0.0018	21	-14 44 38.75	-0.016	15	0.34	32.775	18	33.6	38.49	16	33.6	B9 J	12A	6960	A -14 5210
13		8.4A	48 32.956	-0.0007	20	-19 41 53.04	0.011	15	0.33	32.968	18	33.6	53.22	16	33.6	F5 J	12B	7938	A -19 5198
14		9.1A	48 37.227	-0.0000	15	-10 31 45.82	-0.032	15	0.30	37.227	18	33.6	45.29	16	33.6	G5 J	11	6480	A -10 4832
15		8.8A	48 46.449	0.0018	15	-12 58 49.76	0.040	17	0.31	46.419	18	33.6	50.42	16	33.6	B8 J	11	6481	A -13 5126
16		9.2A	48 47.728	0.0008	18	-15 14 40.30	-0.007	13	0.31	47.715	18	33.6	40.19	16	33.6	A0 J	12A	6963	A -15 5125
17		8.6A	48 55.853	0.0022	15	-10 50 39.55	0.036	15	0.30	55.818	18	33.6	40.14	16	33.6	K7 J	11	6482	A -10 4835
18		8.6A	48 57.591	-0.0001	21	-16 34 16.70	-0.006	15	0.34	57.592	18	33.6	16.60	16	33.6	G5 J	12A	6964	A -16 5051
19		9.0A	49 2.208	-0.0007	20	-18 30 28.03	-0.016	15	0.33	2.219	18	33.6	27.77	16	33.6	A0 J	12B	7944	A -18 5110
20		8.9A	49 7.364	-0.0009	21	-16 55 33.80	0.010	15	0.34	7.379	18	33.6	33.96	16	33.6	B9 J	12A	6965	A -17 5353
21		9.0A	49 11.003	0.0003	21	-16 22 20.05	-0.014	15	0.34	10.998	18	33.6	19.81	16	33.6	M0 J	12A	6966	A -16 5053
22		9.2A	49 26.563	0.0001	21	-15 26 54.53	-0.005	15	0.34	26.562	18	33.6	54.44	16	33.6	G0 J	12A	6967	A -15 5129
23		8.2A	49 29.326	0.0013	17	-11 41 37.66	-0.002	18	0.33	29.304	18	33.6	37.63	16	33.6	B3 J	11	6485	A -11 4786
24		9.0A	49 42.722	-0.0010	15	-13 31 57.32	-0.048	17	0.31	42.739	18	33.6	56.54	16	33.6	G5 J	11	6486	A -13 5130
25		8.9A	49 48.514	0.0045	15	-12 25 13.99	-0.021	17	0.31	48.440	18	33.6	13.65	16	33.6	F2 J	11	6487	A -12 5194
26		8.2A	49 50.163	0.0006	17	-10 16 18.89	0.019	18	0.33	50.153	18	33.6	19.20	16	33.6	K5 J	11	6488	A -10 4841
27		9.3A	49 59.035	0.0027	15	-12 2 55.69	-0.018	17	0.31	58.990	18	33.6	55.40	16	33.6	F0 J	11	6489	A -12 5195
28		9.0A	50 0.421	0.0027	20	-19 43 48.95	-0.001	15	0.33	0.377	16	33.6	48.93	16	33.6	B8 J	13A	7956	A -19 5201
29		7.0A	50 0.752	0.0013	20	-18 19 16.62	-0.021	15	0.33	0.730	18	33.6	16.27	16	33.6	K5 J	12B	7958	A -18 5114
30		8.5Q	50 0.842	0.0017	12	-19 10 52.83	-0.019	08	0.52	0.763	18	03.6	51.88	17	99.1	A0	GC	25891	-19 5202
31		9.4A	50 2.403	0.0001	21	-13 51 56.15	-0.002	15	0.34	2.402	18	33.6	56.12	16	33.6	B8 J	12A	6969	A -13 5133
32		8.3A	50 3.934	0.0004	18	-15 23 28.39	-0.034	13	0.31	3.927	18	33.6	27.82	16	33.6	G5 J	12A	6968	A -15 5132
33		6.8T	50 7.441	-0.0002	20	-16 26 37.86	-0.023	16	0.88	7.451	26	04.1	36.69	22	00.2	B9	GC	25894	-16 5060
34		8.7A	50 7.618	0.0011	17	-10 24 25.02	-0.001	18	0.33	7.600	18	33.6	25.01	16	33.6	B9 J	11	6491	A -10 4844
35		6.9T	50 10.683	-0.0008	15	-18 41 55.15	-0.023	13	0.67	10.720	10	03.6	54.06	12	02.2	K0	GC	25896K	-18 5115
36		8.6A	50 12.404	-0.0007	12	-11 29 57.28	0.010	13	0.27	12.415	18	33.6	57.44	16	33.6	B8 J	11	6492	A -11 4793
37		8.7A	50 21.760	0.0017	21	-15 29 27.22	0.020	15	0.34	21.731	18	33.6	27.56	16	33.6	K2 J	12A	6971	A -15 5133
38		9.3A	50 25.895	0.0001	21	-16 26 20.15	-0.012	15	0.34	25.893	18	33.6	19.94	16	33.6	M0 J	12A	6972	A -16 5064
39		8.4A	50 27.824	0.0016	18	-11 24 48.53	0.002	20	0.35	27.797	18	33.6	48.56	16	33.6	B9 J	11	6493	A -11 4795
40		8.0A	50 28.918	0.0009	15	-10 16 57.34	-0.008	17	0.31	28.904	18	33.6	57.21	16	33.6	B8 J	11	6494	A -10 4848
41		8.2A	50 30.893	-0.0003	21	-14 22 34.78	-0.066	15	0.34	30.899	18	33.6	33.70	16	33.6	K5 J	12A	6973	A -14 5215
42		9.0A	50 32.561	-0.0013	15	-12 38 27.32	-0.176	17	0.31	32.581	18	33.6	24.44	16	33.6	G	11	6495	A -12 5198
43		9.1A	50 33.447	-0.0004	20	-18 27 17.39	-0.005	15	0.33	33.453	18	33.6	17.30	16	33.6	K0 J	12B	7965	A -18 5120
44		9.2A	50 41.776	0.0013	21	-16 59 45.80	0.016	15	0.34	41.754	18	33.6	46.06	16	33.6	K2 J	12A	6974	A -17 5362
45		9.0A	50 49.283	-0.0009	21	-16 13 24.84	-0.005	15	0.34	49.298	18	33.6	24.75	16	33.6	F8 J	12A	6975	A -16 5066
46		9.3A	50 49.544	-0.0010	15	-10 38 41.62	-0.017	17	0.31	49.560	18	33.6	41.34	16	33.6	F5 J	11	6496	A -10 4851
47		7.3A	50 51.351	0.0003	20	-19 51 35.49	-0.003	15	0.33	51.346	16	33.6	35.44	16	33.6	K0 J	13A	7969	A -19 5211
48		8.5A	51 6.135	0.0013	15	-10 19 32.66	0.010	17	0.31	6.114	18	33.6	32.18	16	33.6	B9 J	11	6498	A -10 4852
49		9.0A	51 9.511	0.0003	18	-13 51 8.40	-0.029	17	0.31	9.505	18	33.6	7.93	16	33.6	F2 J	12A	6976	A -13 5138
50		9.0A	51 19.800	0.0007	21	-15 4 19.48	-0.005	15	0.34	19.789	18	33.6	19.41	16	33.6	K0 J	12A	6977	A -15 5138
51		8.9A	18 51 20.566	-0.0009	18	-19 59 47.25	-0.003	15	0.31	20.580	16	33.6	47.20	16	33.6	B8 J	13A	7975	A -20 5321
52		8.0A	51 21.304	0.0008	15	-13 41 23.33	-0.020	17	0.31	21.291	18	33.6	23.01	16	33.6	B9 J	11	6499K	A -13 5140
53		9.3A	51 21.987	-0.0015	18	-16 28 49.52	-0.037	13	0.31	22.011	18	33.6	48.91	16	33.6	F8 J	12A	6978	A -16 5069
54		9.1A	51 25.157	0.0019	15	-13 36 37.09	0.003	17	0.31	25.126	18	33.6	37.14	16	33.6	K0 J	11	6500	A -13 5142
55		8.6A	51 28.777	0.0002	15	-10 34 56.16	-0.002	17	0.31	28.774	18	33.6	56.13	16	33.6	B9 J	11	6501	A -10 4855
56		9.1A	51 32.843	0.0003	18	-19 59 37.53	-0.001	12	0.30	32.838	16	33.6	37.51	16	33.6	B8 J	13A	7977	A -20 5322
57		9.0A	51 34.643	0.0002	17	-10 33 28.06	0.021	18	0.33	34.639	18	33.6	28.41	16	33.6	B9 J	11	6503	A -10 4857
58		8.6A	51 35.801	-0.0000	15	-13 4 9.98	0.033	17	0.31	35.802	18	33.6	10.52	16	33.6	K5 J	11	6502	A -13 5143
59		9.4A	51 38.089	-0.0010	21	-15 47 48.09	-0.020	15	0.34	38.105	18	33.6	47.75	16	33.6	B9 J	12A	6979	A -15 5140
60		8.4A	51 39.195	0.0017	13	-11 39 44.25	-0.010	15	0.29	39.168	18	33.6	44.09	16	33.6	F0 J	11	6504	A -11 4804
61		9.0A	51 41.946	0.0013	15	-11 42 18.31	-0.001	15	0.30	41.925	18	33.6	18.30	16	33.6	A0 J	11	6505	A -11 4805
62		9.1A	51 47.186	0.0010	17	-19 42 50.96	0.002	12	0.28	47.170	16	33.6	50.99	16	33.6	A0 J	13A	7978	A -19 5220
63		9.0A	51 49.571	0.0003	12	-10 0 11.02	-0.014	12	0.25	49.565	16	33.6	10.79	16	33.6	B9	16	6432	A -10 4859
64		5.0T	51 51.123	-0.0007	07	-15 40 1.49	-0.006	06	0.30	51.153	12	08.1	1.20	12	04.8	B5	GC	25931	B*-15 5143
65		9.0A	51 51.138	-0.0009	17	-10 19 48.37	0.007	18	0.33	51.152	18	33.6	48.49	16	33.6	M1 J	11	6507	A -10 4860
66		8.8A	51 52.880	-0.0001	18	-14 24 18.27	-0.070	13	0.31	52.881	18	33.6	17.12	16	33.6	F2 J	12A	6983	A -14 5222
67		9.2A	51 54.596	0.0013	18	-16 27 34.62	-0.003	13	0.31	54.574	18	33.6	34.56	16	33.6	B9 J	12A	6982	A -16 5072
68		9.0A	51 55.065	0.0015	21	-17 13 42.54	-0.016	15	0.34	55.060	18	33.6	42.27	16	33.6	A0 J	12A	6981	A -17 5371
69		8.6A	51 55.222	-0.0017	18	-15 17 32.01	0.015	13	0.31	55.249	18	33.6	32.27	16	33.6	G5 J	12A	6985	A -15 5146
70		9.0A	51 57.794	0.0008	21	-17 37 1.86	-0.001	15	0.34	57.780	18	33.6	1.84	16	33.6	K2 J	12A	6984	A -17 5372
71		8.9A	51 57.874	0.0012	15	-13 30 33.43	0.019	17	0.31	57.855	18	33.6	33.75	16	33.6	K2 J	11	6508	A -13 5146
72		8.5A	52 1.462	0.0008	18	-16 35 22.66	-0.011	13	0.31	1.448	18	33.6	22.47	16	33.6	M3 J	12A	6986	A -16 5074
73		8.6A	52 6.578	-0.0026	17	-10 47 2.50	-0.011	18	0.33	6.620	18	33.6	2.32	16	33.6	K2 J	11	6509	A -10 4862
74		6.9T	52 8.826	-0.0004	15	-10 34 48.69	0.005	15	0.80	8.851	24	99.4	48.95	22	98.8	B9	GC	25940	-10 4863
75		8.9A	52 18.253	0.0028	15	-12 58 24.09	-0.076	17	0.31	18.206	18	33.6	22.85	16	33.6	G5 J	11	6511	A -13 5148
76		9.2A	52 20.026	-0.0030	21	-14 32 41.60	-0.055	15	0.34	20.076	18	33.6	40.70	16	33.6	G0 J	12A	6987	A -14 5224
77		8.4A	52 22.789	0.0014	21	-15 48 48.02	0.001	15	0.34	22.766	18	33.6	48.03	16	33.6	B8 J	12A	6989	A -15 5149
78		9.3A	52 22.990	-0.0000	20	-19 2 32.44	-0.006	15	0.33	22.991	18	33.6	32.34	16	33.6	B9 J	12B	7986	A -19 5226
79		7.2T	52 24.554	-0.0012	16	-14 45 23.77	0.010	14	0.77	24.610	26	03.3	24.26	24	00.1	F2	GC	25949	-14 5225
80		9.1A	52 25.074	0.0011	21	-17 41 44.93	-0.009	15	0.34	25.055	18	33.6	44.78	16	33.6	B8 J	12A	6988	A -17 5375
81		9.1A	52 28.551	-0.0012	20	-19 35 20.81	0.001	15	0.33	28.571	18	33.6	20.83	16	33.6	A2 J	12B	7988	A -19 5227
82		8.8A	52 29.183	0.0001	17	-10 28 55.46	-0.031	18	0.33	29.181	18	33.6	54.95	16	33.6	K0 J	11	6512	A -10 4867
83		9.4A	52 37.349	0.0002	18	-16 29 56.48	-0.034	13	0.31	37.346	18	33.6	55.91	16	33.6	A	12A	6991	A -16 5077
84		5.6H	52 38.181	-0.0020	02	-16 26 21.12	-0.186	02	0.08	38.236	04	21.6	15.81	04	21.5	F5	FA	1495	-16 5078
85		8.9A	52 42.533	0.0083	15	-12 59 44.15	-0.060	17	0.31	42.397	18	33.6	43.17	16	33.6	K0 J	11	6513	A -13 5152
86		8.5A	52 44.299	-0.0003	12	-10 1 11.25	0.003	12	0.25	44.304	16	33.6	11.30	16	33.6	K5	16	6442	A -10 4870
87		9.0A	52 45.547	0.0017	20	-17 48 39.71	-0.032	15	0.33	45.519	18	33.6	39.18	16	33.6	B8 J	12B	7991	A -17 5378
88		9.0A	52 48.733	-0.0010	13	-10 55 45.20	-0.006	15	0.29	48.749	18	33.6	45.10	16	33.6	B8 J	11	6515	A -11 4812
89		8.0A	52 51.704	0.0033	18	-16 24 50.81	-0.050	13	0.31	51.649	18	33.6	49.98	16	33.6	F5 J	12A	6994	A -16 5083
90		8.8A	52 52.843	0.0036	17	-13 7 16.92	0.023	18	0.33	52.784	18	33.6	17.30	16	33.6	G0 J	11	6516	A -13 5154
91		8.1T	52 54.296	0.0003	14	-18 35 55.99	0.002	13	0.65	54.284	19	05.9	56.09	19	03.6	F0	GC	25961	-18 5132
92		8.6A	52 57.980	-0.0020	20	-17 58 34.69	-0.009	15	0.33	58.013	18	33.6	34.54	16	33.6	K2 J	12B	7993	A -18 5133
93		9.1A	52 58.225	0.0029	21	-15 1 6.85	0.003	15	0.34	58.177	18	33.6	6.91	16	33.6	M0 J	12A	6997	A -15 5152
94		9.1A	52 59.565	0.0029	21	-14 52 50.97	0.002	15	0.34	59.517	18	33.6	51.00	16	33.6	F2 J	12A	6998	A -14 5228
95		9.3A	52 59.685	-0.0061	17	-11 48 3.17	0.022	18	0.33	59.785	18	33.6	3.53	16	33.6	F8 J	11	6517	A -11 4813
96		9.1A	53 3.519	0.0002	21	-17 17 2.36	0.006	15	0.34	3.515	18	33.6	2.45	16	33.6	A0 J	12A	6999	A -17 5382
97		9.0A	53 9.217	0.0022	15	-11 5 10.84	0.042	17	0.31	9.181	18	33.6	11.53	16	33.6	K7 J	11	6518	A -11 4815
98		8.8A	53 10.479	0.0031	15	-11 5 45.19	-0.035	15	0.30	10.428	18	33.6	44.62	16	33.6	K0 J	11	6519	A -11 4816
99		9.1A	53 11.011	0.0005	18	-16 38 13.06	0.007	13	0.31	11.002	18	33.6	13.17	16	33.6	M1 J	12A	7000	A -16 5084
00		9.1A	53 16.084	-0.0052	15	-13 2 2.57	-0.002	17	0.31	16.171	18	33.6	2.54	16	33.6	G5 J	11	6520	A -13 5156

-10°
18H

162000

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	σ'_μ ″.001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	SOURCE CAT.	STAR NUMBER	-10° 18H DM NUMBER
1		6.6T	18 53 18.548	-0.0003	09	-18 46 29.90	-0.008	15	0.59	18.562	21	00.9	29.56	21	06.5	G5	GC	25974	-18 5134
2		8.9A	53 24.203	-0.0000	20	-18 48 18.09	-0.048	15	0.33	24.203	18	33.6	17.30	16	33.6	A0 J	12B	7995	A -18 5136
3		9.1A	53 28.804	0.0009	18	-17 33 9.76	-0.031	13	0.31	28.789	18	33.6	9.25	16	33.6	A0 J	12A	7001	A -17 5306
4		9.0A	53 34.473	0.0009	21	-16 47 25.09	-0.028	15	0.34	34.459	18	33.6	24.63	16	33.6	K0 J	12A	7002	A -16 5087
5		7.4A	53 36.424	-0.0027	15	-11 23 21.08	-0.029	17	0.31	36.468	18	33.6	20.61	16	33.6	K5 J	11	6521	A -11 4818
6		9.4A	53 39.136	0.0003	20	-19 46 45.28	-0.003	15	0.33	39.130	16	33.6	45.23	16	33.6	B9 J	13A	7996	A -19 5235
7		8.0A	53 42.629	0.0024	20	-19 52 25.72	0.023	15	0.33	42.589	16	33.6	27.10	16	33.6	A3 J	13A	7997	A -19 5236
8		8.4A	53 42.886	-0.0011	20	-19 41 52.80	-0.002	15	0.33	42.903	16	33.6	32.77	16	33.6	M1 J	13A	7998	A -19 5237
9		8.8A	53 45.556	0.0020	15	-10 35 28.79	0.015	15	0.30	45.523	18	33.6	29.04	16	33.6	M5 J	11	6522	A -10 4876
10		7.8A	53 50.364	0.0004	21	-17 30 38.04	-0.013	15	0.34	50.357	18	33.6	37.82	16	33.6	K2 J	12A	7003	A -17 5300
11		8.6A	53 54.542	0.0003	17	-11 30 0.84	0.009	18	0.33	54.536	18	33.6	0.99	16	33.6	B9 J	11	6523	A -11 4820
12		8.2A	53 55.033	0.0001	18	-14 55 27.39	-0.004	13	0.31	55.032	18	33.6	27.33	16	33.6	B9 J	12A	7005	A -15 5154
13		8.6A	53 56.129	0.0017	21	-17 18 47.50	-0.012	15	0.34	56.100	18	33.6	47.30	16	33.6	F0 J	12A	7004	A -17 5309
14		8.1A	53 57.103	-0.0027	21	-14 5 40.54	-0.049	15	0.34	57.148	18	33.6	39.74	16	33.6	A0 J	12A	7006	A -14 5231
15		9.1A	53 59.803	0.0026	15	-12 12 24.68	0.008	15	0.30	59.761	18	33.6	24.81	16	33.6	K5 J	11	6524	A -12 5212
16		8.9A	54 14.549	0.0007	15	-10 47 48.94	0.014	17	0.31	14.537	18	33.6	49.17	16	33.6	K0 J	11	6525	A -10 4878
17		8.6A	54 16.100	0.0021	15	-11 57 14.98	-0.011	15	0.30	16.068	18	33.6	14.81	16	33.6	B9 J	11	6526	A -12 5214
18		9.0A	54 19.068	-0.0008	11	-10 0 53.09	0.003	11	0.23	19.081	16	33.6	53.14	16	33.6	K0	16	6467	A -10 4879
19		7.9A	54 36.684	0.0012	15	-13 10 7.31	-0.003	17	0.31	36.664	18	33.6	7.26	16	33.6	B8 J	11	6528	A -13 5162
20		9.2A	54 37.135	0.0006	20	-18 29 22.48	-0.017	15	0.33	37.125	18	33.6	22.20	16	33.6	A0 J	12B	8002	A -18 5142
21		7.0T	54 39.370	0.0005	13	-19 13 13.95	0.013	13	0.63	39.347	10	03.4	14.57	12	03.3	B0P	GC	28018	-19 5242
22		9.4A	54 40.782	-0.0002	21	-15 45 23.14	-0.037	15	0.34	40.785	18	33.6	22.52	16	33.6	A0 J	12A	7007	A -15 5157
23		8.4A	54 50.411	0.0001	13	-10 5 1.40	0.006	15	0.29	50.410	18	33.6	1.50	16	33.6	K0 J	11	6529	A -10 4883
24		8.5A	54 51.272	0.0005	20	-19 46 33.93	-0.015	15	0.33	51.264	16	33.6	33.68	16	33.6	K0 J	13A	8006	A -19 5244
25		9.2A	54 56.736	-0.0004	20	-19 53 26.87	-0.009	15	0.33	56.742	16	33.6	26.72	16	33.6	A3 J	13A	8007	A -20 5341
26		8.5A	54 58.087	-0.0008	13	-12 51 59.70	-0.026	15	0.29	58.100	18	33.6	59.28	16	33.6	F0 J	11	6530	A -12 5218
27		9.2A	54 58.896	-0.0018	21	-16 36 40.32	-0.003	15	0.34	58.926	18	33.6	40.27	16	33.6	G5 J	12A	7008	A -16 5096
28		8.9A	55 9.306	0.0000	15	-13 40 4.70	0.026	17	0.31	9.306	18	33.6	5.13	16	33.6	A3 J	11	6532	A -13 5165
29		8.9A	55 14.303	0.0006	15	-11 34 21.51	0.022	15	0.30	14.294	18	33.6	21.87	16	33.6	B8 J	11	6533	A -11 4825
30		9.1A	55 23.083	-0.0011	20	-17 59 58.39	-0.010	15	0.33	23.101	18	33.6	58.22	16	33.6	A0 J	12B	8012	A -18 5147
31		9.0A	55 25.398	-0.0014	15	-10 52 50.62	0.004	15	0.30	25.420	18	33.6	50.69	16	33.6	A0 J	11	6534	A -11 4826
32		8.3A	55 32.375	0.0003	20	-18 36 0.42	-0.011	15	0.33	32.370	18	33.6	0.25	16	33.6	G5 J	12B	8014	A -18 5149
33		8.7A	55 33.056	-0.0002	20	-19 14 42.69	-0.035	15	0.33	33.059	18	33.6	42.12	16	33.6	M3 J	12B	8013	A -19 5250
34		9.4A	55 33.750	-0.0020	20	-19 39 32.99	-0.029	15	0.33	33.783	18	33.6	32.51	16	33.6	G0 J	12B	8015	A -19 5249
35		9.2A	55 36.152	0.0009	18	-15 23 53.72	0.002	15	0.31	36.137	18	33.6	53.76	16	33.6	F5 J	12A	7010	A -15 5159
36		9.4A	55 40.530	0.0008	21	-17 32 54.85	-0.037	15	0.34	40.517	18	33.6	54.24	16	33.6	A0 J	12A	7011	A -17 5306
37		9.0A	55 41.874	0.0012	17	-12 26 12.33	-0.041	18	0.33	41.865	18	33.6	11.66	16	33.6	A0 J	11	6536	A -12 5226
38		8.9A	55 42.592	0.0022	21	-16 42 20.82	-0.010	15	0.34	42.556	18	33.6	20.65	16	33.6	K2 J	12A	7012	A -16 5100
39		9.1A	55 46.119	0.0019	21	-14 50 13.60	-0.048	15	0.34	46.088	18	33.6	12.81	16	33.6	F5 J	12A	7013	A -14 5242
40		8.7A	55 54.955	-0.0018	20	-18 0 30.98	0.029	15	0.33	54.983	18	33.6	31.45	16	33.6	K0 J	12B	8018	A -18 5153
41		8.9A	56 3.160	-0.0018	17	-10 39 50.60	-0.045	18	0.33	3.189	18	33.6	49.86	16	33.6	K5 J	11	6537	A -10 4894
42		9.1A	7.700	0.0030	15	-11 30 29.11	0.019	17	0.31	7.651	18	33.6	29.42	16	33.6	F5 J	11	6538	A -11 4829
43		7.0T	13.035	0.0010	10	-12 39 25.73	-0.004	11	0.57	12.983	18	99.2	25.52	18	97.9	A0	GC	28056	-12 5228
44		8.4A	13.279	0.0023	21	-15 55 45.80	0.005	15	0.34	13.241	18	33.6	45.86	16	33.6	A2 J	12A	7015	A -16 5103
45		9.2A	16.101	-0.0001	21	-17 9 18.42	-0.016	15	0.34	16.102	18	33.6	18.15	16	33.6	K0 J	12A	7016	A -17 5401
46		9.0A	19.941	0.0002	15	-10 4 3.60	-0.016	15	0.30	19.937	18	33.6	3.34	16	33.6	A3 J	11	6540	A -10 4896
47		9.1A	22.912	0.0023	17	-15 31 6.17	0.040	13	0.30	22.873	18	33.6	6.82	16	33.6	M0 J	12A	7017	A -15 5164
48		9.0A	26.095	0.0017	17	-10 6 24.78	0.040	18	0.33	26.067	18	33.6	25.44	16	33.6	K7 J	11	6541	A -10 4897
49		6.7T	27.422	0.0012	10	-19 20 53.15	0.011	14	0.62	27.362	21	00.1	53.68	19	02.7	M0	GC	28063	-19 5255
50		6.3T	31.241	0.0001	10	-18 38 10.26	-0.043	11	0.52	31.236	09	02.3	8.18	10	01.3	G5	GC	28065	-18 5155
51		8.4A	18 56 33.319	0.0005	20	-17 57 0.49	-0.031	15	0.33	33.311	18	33.6	59.98	16	33.6	B9 J	12B	8025	A -18 5156
52		5.4T	56 35.221	-0.0001	06	-12 54 35.73	-0.019	06	0.30	35.224	12	05.5	34.82	10	02.3	B5	GC	28068	B#-13 5172
53		9.0A	56 37.694	0.0020	17	-10 18 22.07	0.014	18	0.33	37.861	18	33.6	22.30	16	33.6	B8 J	11	6543	A -10 4900
54		9.2A	56 38.195	-0.0027	21	-14 9 37.35	-0.013	15	0.34	38.240	18	33.6	37.14	16	33.6	B8 J	12A	7019	A -14 5246
55		9.1A	56 39.092	-0.0006	20	-19 44 0.26	-0.007	15	0.33	39.102	16	33.6	0.14	16	33.6	G0 J	13A	8026	A -19 5256
56		8.4A	56 40.826	-0.0015	15	-10 38 59.55	-0.005	17	0.31	40.850	18	33.6	59.47	16	33.6	K0 J	11	6544	A -10 4901
57		9.0A	56 44.568	0.0047	17	-12 56 26.33	-0.130	18	0.33	44.491	18	33.6	24.20	16	33.6	K0 J	11	6545	A -13 5173
58		9.2A	56 44.735	-0.0006	17	-11 17 39.02	0.029	18	0.33	44.745	18	33.6	39.50	16	33.6	A0 J	11	6546	A -11 4832
59		8.5A	56 45.995	0.0005	21	-16 10 42.19	-0.008	15	0.34	45.987	18	33.6	42.05	16	33.6	K0 J	12A	7020	A -16 5108
60		8.8A	56 52.219	0.0004	18	-15 22 58.38	-0.017	13	0.31	52.212	18	33.6	58.09	16	33.6	A5 J	12A	7021	A -15 5166
61		8.3A	56 54.351	-0.0004	18	-18 30 20.45	-0.042	12	0.30	54.357	18	33.6	19.76	16	33.6	K5 J	12B	8028	A -18 5157
62		9.0A	56 57.458	-0.0012	17	-10 11 6.37	-0.012	18	0.33	57.478	18	33.6	6.18	16	33.6	F0 J	11	6547	A -10 4902
63		9.4A	57 1.367	-0.0004	21	-14 44 38.51	0.014	15	0.34	1.373	18	33.6	38.74	16	33.6	F2 J	12A	7022	A -14 5248
64		8.9A	57 3.493	0.0020	15	-13 35 32.47	0.023	17	0.31	3.460	18	33.6	32.85	16	33.6	A0 J	11	6548	A -13 5175
65		9.0A	57 4.543	0.0016	20	-19 22 25.66	-0.021	15	0.33	4.517	18	33.6	25.32	16	33.6	F5 J	12B	8029	A -19 5258
66		9.0A	57 7.114	0.0020	21	-15 46 13.45	0.008	15	0.34	7.081	18	33.6	13.57	16	33.6	B9 J	12A	7023	A -15 5168
67		9.1A	57 11.245	0.0008	21	-15 49 0.95	0.006	15	0.34	11.232	18	33.6	1.04	16	33.6	M2 J	12A	7025	A -15 5169
68		9.4A	57 11.481	-0.0006	18	-16 17 10.92	-0.018	13	0.31	11.491	18	33.6	10.62	16	33.6	G0 J	12A	7024	A -16 5109
69		8.9A	57 16.636	0.0005	20	-18 0 13.61	0.011	15	0.33	16.628	18	33.6	13.79	16	33.6	F2 J	12B	8032	A -18 5162
70		9.2A	57 20.666	-0.0002	17	-12 0 6.10	0.018	18	0.33	20.668	18	33.6	6.40	16	33.6	A0 J	11	6549	A -12 5255
71		8.5A	57 22.100	-0.0014	18	-12 40 28.67	0.023	20	0.35	22.124	18	33.6	29.05	16	33.6	A0 J	11	6550	A -12 5236
72		9.2A	57 22.625	0.0001	17	-10 20 45.77	0.034	18	0.33	22.623	18	33.6	46.33	16	33.6	M0 J	11	6552	A -10 4904
73		8.8A	57 23.056	0.0004	18	-12 20 11.68	-0.006	20	0.35	23.049	18	33.6	11.58	16	33.6	K5 J	11	6551	A -12 5237
74		8.9A	57 27.917	-0.0003	20	-19 57 15.19	-0.013	15	0.33	27.922	16	33.6	14.97	16	33.6	B8 J	13A	8033	A -20 5358
75		8.9A	57 30.323	-0.0002	18	-10 58 50.84	-0.023	20	0.35	30.326	18	33.6	50.46	16	33.6	K5 J	11	6553	A -11 4835
76		8.4A	57 31.353	0.0037	21	-17 33 18.62	-0.018	15	0.34	31.292	18	33.6	18.32	16	33.6	F2 J	12A	7027	A -17 5409
77		8.5A	57 34.249	-0.0003	18	-17 3 57.63	-0.037	13	0.31	34.254	18	33.6	57.02	16	33.6	G5 J	12A	7028	A -17 5410
78		9.0A	57 39.004	0.0024	17	-10 58 19.25	-0.024	18	0.33	38.965	18	33.6	18.86	16	33.6	K0 J	11	6555	A -11 4837
79		7.7A	57 39.186	0.0028	20	-19 43 45.05	-0.001	15	0.33	39.119	16	33.6	45.03	16	33.6	K2 J	13A	8034	A -19 5262
80		8.7A	57 39.283	0.0022	17	-13 29 13.39	0.052	18	0.33	39.246	18	33.6	14.24	16	33.6	G0 J	11	6554	A -13 5179
81		9.1A	57 46.571	-0.0006	20	-19 55 33.50	-0.025	15	0.33	46.581	16	33.6	33.09	16	33.6	F0 J	13A	8036	A -20 5361
82		8.0A	57 49.006	0.0009	21	-17 17 14.68	-0.008	15	0.34	48.991	18	33.6	14.54	16	33.6	K5 J	12A	7029	A -17 5414
83		8.8A	57 52.523	0.0009	18	-13 34 26.24	-0.070	20	0.35	52.508	18	33.6	25.10	16	33.6	G5 J	11	6556	A -13 5181
84		8.9A	58 1.139	0.0028	15	-11 10 42.17	-0.007	15	0.30	1.093	18	33.6	42.06	16	33.6	A0 J	11	6558	A -11 4838
85		9.2A	58 5.892	-0.0016	21	-16 17 8.36	-0.009	15	0.34	5.918	18	33.6	8.20	16	33.6	F8 J	12A	7030	A -16 5113
86		9.0A	58 6.815	0.0008	17	-15 26 25.41	0.002	11	0.28	6.802	18	33.6	25.45	16	33.6	K5 J	12A	7031	A -15 5178
87		8.6A	58 8.258	-0.0000	20	-19 57 29.80	-0.026	15	0.33	8.258	16	33.6	29.37	16	33.6	F8 J	13A	8038	A -20 5364
88		8.1A	58 8.331	0.0004	20	-19 25 13.72	-0.052	15	0.33	8.323	18	33.6	12.87	16	33.6	K0 J	12B	8039	A -19 5263
89		9.1A	58 20.579	-0.0016	15	-10 9 36.57	0.003	17	0.31	20.606	18	33.6	36.62	16	33.6	A0 J	11	6560	A -10 4912
90		9.0A	58 20.602	0.0026	17	-13 3 41.14	0.002	18	0.33	20.556	18	33.6	41.17	16	33.6	K0 J	11	6559	A -13 5183
91		8.5A	58 24.720	0.0018	17	-13 23 36.73	-0.026	18	0.33	24.690	18	33.6	36.30	16	33.6	A0 J	11	6561	A -13 5185
92		8.9A	58 35.933	0.0012	21	-16 12 31.74	-0.035	15	0.34	35.912	18	33.6	31.16	16	33.6	A2 J	12A	7032	A -16 5116
93		9.2A	58 37.361	0.0001	21	-14 35 25.88	-0.004	15	0.34	37.359	18	33.6	25.81	16	33.6	B9 J	12A	7033	A -14 5256
94		8.9A	58 38.448	0.0021	20	-11 9 47.88	-0.000	20	0.36	38.414	18	33.6	47.88	16	33.6	F0 J	11	6562	A -11 4840
95		8.9A	58 39.778	0.0023	20	-19 53 35.99	0.020	15	0.33	39.741	16	33.6	36.32	16	33.6	A2 J	13A	8041	A -20 5369
96		8.8A	58 42.014	-0.0004	17	-10 6 7.89	0.010	18	0.33	42.021	18	33.6	8.05	16	33.6	B9 J	11	6563	A -10 4915
97		6.4T	58 42.072	-0.0002	03	-15 21 17.22	0.002	03	0.18	42.081	06	02.8	17.34	07	00.6	G5	GC	26132	B#-15 5185
98		9.5A	58 42.844	-0.0004	17	-10 8 44.95	-0.017	18	0.33	42.851	18	33.6	44.67	16	33.6	A0 J	11	6565	A -10 4916
99		8.8A	58 49.926	0.0010	17	-10 46 34.45	0.011	18	0.33	49.909	18	33.6	34.63	16	33.6	B9 J	11	6566	A -10 4918
00		8.4A	58 56.568	-0.0003	17	-17 25 25.69	-0.052	13	0.30	56.574	18	33.6	24.83	16	33.6	F5 J	12A	7035	A -17 5419

162100

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	EPOCH 1950 μ s	EPOCH 1950 σ_μ ″.001	EPOCH 1950 δ_{1950} ° ′ ″	EPOCH 1950 μ' ″	EPOCH 1950 σ'_μ ″.001	EPOCH 1950 σ_{1950} ″	ORIGINAL EPOCH α_2 s	ORIGINAL EPOCH σ ″.01	ORIGINAL EPOCH ep.	ORIGINAL EPOCH δ_2 ″	ORIGINAL EPOCH σ' ″.01	ORIGINAL EPOCH ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	-10° 18H DM NUMBER
1		9.0A	18 59 4.966	0.0007	17	-10 11 57.14	0.025	18	0.33	4.955	18	33.6	57.55	16	33.6		11	6568	A -10 4921
2		8.6A	59 5.078	0.0029	18	-17 9 1.27	-0.057	13	0.31	5.030	18	33.6	0.33	16	33.6	G0 J	12A	7036	A -17 5423
3		9.2A	59 5.478	0.0003	17	-11 34 38.38	0.014	18	0.33	5.472	18	33.6	38.61	16	33.6	F5 J	11	6567	A -11 4842
4		9.0A	59 6.031	-0.0002	20	-10 13 17.23	-0.039	20	0.36	6.033	18	33.6	16.59	16	33.6	A5 J	11	6569	A -10 4922
5		8.9A	59 6.975	-0.0020	17	-10 14 24.80	-0.004	18	0.33	7.007	18	33.6	24.73	16	33.6	B8 J	11	6570	A -10 4923
6		8.2A	59 12.594	0.0009	21	-16 55 41.59	0.001	15	0.34	12.579	18	33.6	41.60	16	33.6	G5 J	12A	7037	A -17 5427
7		9.2A	59 13.315	0.0007	21	-13 44 44.63	0.010	15	0.34	13.304	18	33.6	44.80	16	33.6	K0 J	12A	7038	A -13 5192
8		9.1A	59 13.577	0.0030	20	-18 26 59.36	0.001	15	0.33	13.528	18	33.6	59.37	16	33.6	K0 J	12B	8045	A -18 5173
9		9.0A	59 14.500	0.0001	20	-18 37 10.66	-0.008	15	0.33	14.499	18	33.6	10.53	16	33.6	F0 J	12B	8046	A -18 5174
10		8.8A	59 20.655	0.0002	18	-12 51 11.90	0.018	20	0.35	20.652	18	33.6	12.19	16	33.6	B9 J	11	6572	A -12 5247
11		9.0A	59 24.089	0.0009	18	-12 26 40.73	0.029	20	0.35	24.074	18	33.6	41.21	16	33.6	B9 J	11	6574	A -12 5248
12		8.0A	59 24.400	-0.0005	17	-13 19 35.78	0.008	18	0.33	24.408	18	33.6	35.92	16	33.6	B9 J	11	6573	A -13 5194
13		8.8A	59 26.424	0.0014	15	-12 23 8.01	-0.050	17	0.31	26.401	18	33.6	7.19	16	33.6	F8 J	11	6575	A -12 5250
14		8.8A	59 28.288	0.0006	18	-12 44 7.43	-0.020	20	0.35	28.278	18	33.6	7.10	16	33.6	B9 J	11	6576	A -12 5251
15		9.1A	59 28.450	-0.0004	18	-15 36 55.84	0.005	13	0.31	28.455	18	33.6	55.91	16	33.6	K0 J	12A	7039	A -15 5190
16		9.1A	59 32.890	-0.0007	20	-18 11 3.04	0.010	15	0.33	32.901	18	33.6	3.20	16	33.6	A5 J	12B	8047	A -18 5175
17		9.4A	59 38.322	0.0023	21	-15 57 58.37	0.008	15	0.34	38.284	18	33.6	58.49	16	33.6	A2 J	12A	7040	A -16 5122
18		9.4A	59 38.350	-0.0004	18	-15 49 47.46	-0.011	13	0.31	38.356	18	33.6	47.27	16	33.6	B9 J	12A	7041	A -15 5192
19		8.6A	59 40.171	0.0014	21	-16 40 16.68	0.003	15	0.34	40.148	18	33.6	16.72	16	33.6	B9 J	12A	7042	A -16 5123
20		8.9A	59 45.311	-0.0008	15	-11 12 57.25	-0.027	17	0.31	45.323	18	33.6	56.81	16	33.6	A0 J	11	6577	A -11 4843
21		9.4A	59 47.599	-0.0002	21	-15 44 39.33	0.008	15	0.34	47.602	18	33.6	39.45	16	33.6	G0 J	12A	7043	A -15 5195
22		6.7T	59 48.032	-0.0009	15	-10 47 41.41	0.006	13	0.69	48.072	18	03.6	41.70	15	02.2	B5	GC	26175	B*-10 4926
23		8.9A	59 49.086	-0.0007	15	-13 14 6.62	0.011	17	0.31	49.097	18	33.6	6.80	16	33.6	B9 J	11	6578	A -13 5197
24		8.8A	59 52.213	-0.0005	21	-17 4 36.89	-0.021	15	0.34	52.221	18	33.6	36.54	16	33.6	A0 J	12A	7044	A -17 5431
25		9.5A	59 57.138	-0.0006	21	-14 35 51.74	-0.032	15	0.34	57.148	18	33.6	51.21	16	33.6	A0 J	12A	7046	A -14 5267
26		9.1A	59 58.833	0.0009	21	-16 54 44.83	0.001	15	0.34	58.817	18	33.6	44.84	16	33.6	K5 J	12A	7045	A -17 5434
27		9.1A	59 59.180	-0.0011	20	-19 52 37.97	-0.020	15	0.33	59.198	18	33.6	37.64	16	33.6	K2 J	13A	8050	A -20 5378
28		8.9A	19 0 3.072	-0.0040	21	-16 3 37.73	0.021	15	0.34	3.006	18	33.6	38.07	16	33.6	G0 J	12A	7047	A -16 5124
29		9.0A	0 4.396	-0.0028	18	-13 14 21.18	0.020	20	0.35	4.349	18	33.6	21.51	16	33.6	K2 J	11	6580	A -13 5200
30		6.0T	0 7.483	0.0004	07	-19 19 9.30	0.006	08	0.39	7.464	09	01.4	9.61	10	01.1	G5	GC	26184K	B*-19 5273
31		9.1A	0 8.109	-0.0004	20	-19 32 23.89	-0.024	15	0.33	8.115	18	33.6	23.49	16	33.6	B9 J	12B	8053	A -19 5274
32		9.4A	0 8.663	0.0008	21	-15 14 13.26	0.007	15	0.34	8.650	18	33.6	13.37	16	33.6	A0 J	12A	7048	A -15 5198
33		6.3T	0 10.804	0.0004	12	-19 10 37.64	-0.015	11	0.55	10.785	15	03.4	36.94	15	02.4	F5	GC	26188	-19 5275
34		8.8A	0 12.190	0.0005	21	-14 57 15.07	-0.001	15	0.34	12.181	18	33.6	15.05	16	33.6	B8 J	12A	7049	A -15 5199
35		9.1A	0 17.563	0.0018	20	-17 42 50.44	-0.003	15	0.33	17.533	18	33.6	50.39	16	33.6	A3 J	12B	8055	A -17 5437
36		9.0A	0 18.868	-0.0018	18	-11 12 0.89	-0.046	20	0.35	18.897	18	33.6	0.14	16	33.6	G5 J	11	6581	A -11 4848
37		8.2A	0 19.880	-0.0091	18	-11 6 53.16	-0.231	20	0.35	20.030	18	33.6	49.37	16	33.6	K0 J	11	6582	A -11 4849
38		9.4A	0 22.496	-0.0001	21	-15 45 15.85	-0.000	15	0.34	22.497	18	33.6	15.84	16	33.6	G5 J	12A	7051	A -15 5201
39		7.0T	0 26.330	0.0005	18	-11 15 48.11	-0.021	17	0.77	26.307	21	08.1	47.21	21	07.3	A0	GC	26194	-11 4852
40		8.9A	0 29.279	-0.0016	20	-19 35 22.77	0.021	15	0.33	29.305	18	33.6	23.11	16	33.6	K0 J	12B	8057	A -19 5278
41		9.0A	0 30.061	-0.0014	20	-18 8 33.16	-0.001	15	0.33	30.084	18	33.6	33.14	16	33.6	A0 J	12B	8058	A -18 5183
42		9.1A	0 33.061	-0.0018	21	-17 23 3.93	-0.006	15	0.34	33.092	18	33.6	3.82	16	33.6	A2 J	12A	7052	A -17 5440
43		7.7A	0 33.759	-0.0008	18	-12 47 1.68	-0.000	20	0.35	33.772	18	33.6	1.68	16	33.6	B9 J	11	6584	A -12 5259
44		8.9A	0 38.489	0.0015	21	-15 21 26.65	-0.015	15	0.34	38.465	18	33.6	26.40	16	33.6	M1 J	12A	7053	A -15 5204
45		9.1A	0 52.454	0.0010	17	-10 49 32.96	-0.039	18	0.33	52.437	18	33.6	32.32	16	33.6	G0 J	11	6585	A -10 4930
46		9.0A	0 55.621	0.0001	13	-11 27 13.87	0.038	13	0.28	55.619	18	33.6	14.49	16	33.6	F2 J	11	6586	A -11 4854
47		9.1A	0 57.752	0.0005	21	-16 4 44.07	-0.018	15	0.34	57.743	18	33.6	43.77	16	33.6	F0 J	12A	7054	A -16 5128
48		9.2A	1 3.210	0.0020	15	-11 27 11.39	0.015	17	0.31	3.177	18	33.6	11.64	16	33.6	G5 J	11	6587	A -11 4855
49		8.8A	1 5.690	0.0014	15	-11 52 35.71	-0.007	17	0.31	5.667	18	33.6	35.60	16	33.6	F2 J	11	6588	A -12 5263
50		8.4A	1 10.976	0.0010	21	-16 57 59.97	0.011	15	0.34	10.960	18	33.6	+ 0.15	16	33.6	K0 J	12A	7055	A -17 5445
51		9.4A	19 1 12.294	-0.0021	21	-15 41 9.65	0.013	15	0.34	12.328	18	33.6	9.86	16	33.6	G0 J	12A	7057	A -15 5210
52		8.8A	1 14.167	-0.0007	17	-10 20 17.99	0.006	18	0.33	14.178	18	33.6	18.09	16	33.6	M2 J	11	6589	A -10 4931
53		8.8A	1 14.229	-0.0015	20	-17 50 9.40	-0.013	15	0.33	14.253	18	33.6	9.18	16	33.6	B8 J	12B	8066	A -17 5446
54		8.7A	1 15.216	-0.0001	21	-15 25 21.73	-0.000	15	0.34	15.218	18	33.6	21.72	16	33.6	K5 J	12A	7058	A -15 5211
55		9.1A	1 18.434	-0.0006	17	-10 45 44.49	-0.015	18	0.33	18.443	18	33.6	44.24	16	33.6	A0 J	11	6590	A -10 4932
56		9.0A	1 23.474	0.0007	17	-10 21 14.38	0.051	18	0.33	23.463	18	33.6	15.22	16	33.6	G5 J	11	6591	A -10 4934
57		8.4A	1 24.220	0.0003	21	-14 24 31.41	-0.011	15	0.34	24.215	18	33.6	31.23	16	33.6	K5 J	12A	7059	A -14 5277
58		9.0A	1 28.229	-0.0009	21	-13 51 19.50	-0.007	15	0.34	28.243	18	33.6	19.39	16	33.6	B9 J	12A	7060	A -13 5210
59		8.9A	1 31.651	-0.0024	15	-12 38 14.61	-0.009	17	0.31	31.691	18	33.6	14.47	16	33.6	K2 J	11	6593	A -12 5265
60		8.8A	1 52.014	-0.0015	20	-17 52 39.58	0.013	15	0.33	52.039	18	33.6	39.79	16	33.6	A2 J	12B	8073	A -18 5193
61		8.8A	1 52.314	0.0018	20	-18 47 1.18	-0.010	15	0.33	52.284	18	33.6	1.02	16	33.6	B8 J	12B	8072	A -18 5191
62		8.8A	1 53.000	0.0009	21	-17 24 28.85	0.003	15	0.34	52.985	18	33.6	28.89	16	33.6	B9 J	12A	7062	A -17 5453
63		8.8A	1 56.977	-0.0000	18	-16 56 9.49	0.009	13	0.31	56.977	18	33.6	9.63	16	33.6	B8 J	12A	7063	A -17 5454
64		8.8A	1 58.381	-0.0005	21	-14 37 51.60	0.008	15	0.34	58.388	18	33.6	51.73	16	33.6	K0 J	12A	7064	A -14 5279
65		9.3A	1 58.512	0.0002	21	-13 55 17.33	-0.004	15	0.34	58.508	18	33.6	17.27	16	33.6	B9 J	12A	7065	A -14 5280
66		9.0A	2 14.548	-0.0009	21	-16 46 25.92	-0.006	15	0.34	14.563	18	33.6	25.82	16	33.6	M2 J	12A	7066	A -16 5135
67		8.9A	2 14.671	-0.0004	15	-19 45 49.84	0.023	11	0.26	14.678	16	33.6	50.21	16	33.6	F5 J	13A	8076	A -19 5287
68		8.9A	2 19.027	0.0013	20	-18 22 25.37	0.011	15	0.33	19.055	18	33.6	25.55	16	33.6	K5 J	12B	8077	A -18 5195
69		9.4A	2 20.029	-0.0016	18	-16 52 7.85	-0.026	13	0.31	20.056	18	33.6	7.42	16	33.6	K0 J	12A	7067	A -17 5458
70		8.6A	2 21.538	-0.0007	21	-16 56 36.22	-0.008	15	0.34	21.550	18	33.6	36.08	16	33.6	B9 J	12A	7068	A -17 5459
71		9.0A	2 23.152	-0.0010	13	-12 3 19.03	-0.001	15	0.29	23.168	18	33.6	19.02	16	33.6	K7 J	11	6595	A -12 5271
72		9.0A	2 32.070	-0.0010	15	-12 29 32.62	0.020	17	0.31	32.087	18	33.6	32.95	16	33.6	F8 J	11	6596	A -12 5272
73		9.4A	2 38.355	0.0009	21	-17 14 46.12	0.012	15	0.34	38.339	18	33.6	46.32	16	33.6	F0 J	12A	7069	A -17 5460
74		9.0A	2 39.027	0.0012	20	-18 11 5.67	0.009	15	0.33	39.007	18	33.6	5.81	16	33.6	K0 J	12B	8078	A -18 5196
75		8.0A	2 45.575	0.0006	21	-16 38 16.45	-0.016	15	0.34	45.565	18	33.6	16.18	16	33.6	K0 J	12A	7070	A -16 5139
76		9.1A	2 47.549	0.0026	18	-11 37 54.33	-0.005	20	0.35	47.507	18	33.6	54.25	16	33.6	M0 J	11	6597	A -11 4866
77		5.9T	2 49.331	-0.0003	06	-15 44 14.24	-0.006	06	0.28	49.344	10	06.1	13.95	10	04.3	A0P	GC	26259	B*-15 5223
78		8.0A	2 50.626	-0.0003	15	-12 4 55.49	0.056	15	0.30	50.631	18	33.6	56.41	16	33.6	K0 J	11	6598	A -12 5274
79		8.9A	2 55.218	-0.0004	17	-11 21 3.34	-0.009	18	0.33	55.225	18	33.6	3.20	16	33.6	B9 J	11	6599	A -11 4868
80		8.8A	3 1.336	0.0030	15	-19 33 31.11	0.013	11	0.27	1.287	18	33.6	31.32	16	33.6	B5 J	12B	8080	A -19 5292
81		8.8A	3 4.932	-0.0016	17	-10 51 52.10	-0.072	18	0.33	4.958	18	33.6	50.92	16	33.6	K5 J	11	6600	A -11 4869
82		8.0A	3 4.977	-0.0012	21	-14 43 43.87	0.012	15	0.34	4.996	18	33.6	44.06	16	33.6	K2 J	12A	7072	A -14 5281
83		8.4A	3 7.081	-0.0014	20	-18 14 35.38	-0.015	15	0.33	7.104	18	33.6	35.13	16	33.6	M1 J	12B	8081	A -18 5201
84		9.2A	3 12.188	-0.0014	17	-15 43 58.52	-0.001	11	0.28	12.211	18	33.6	58.49	16	33.6	A2 J	12A	7073	A -15 5225
85		8.7A	3 13.062	0.0004	21	-14 56 31.47	0.003	15	0.34	13.056	18	33.6	31.52	16	33.6	K2 J	12A	7074	A -15 5226
86		8.9A	3 14.331	0.0003	18	-10 42 37.58	-0.008	20	0.35	14.326	18	33.6	37.45	16	33.6	B9 J	11	6601	A -10 4946
87		8.9A	3 20.866	-0.0002	21	-15 13 0.67	-0.009	15	0.34	20.869	18	33.6	0.53	16	33.6	A3 J	12A	7075	A -15 5228
88		9.1A	3 29.166	0.0035	17	-11 40 18.70	0.009	18	0.33	29.109	18	33.6	18.85	16	33.6	G0 J	11	6603	A -11 4870
89		8.2A	3 31.107	0.0044	17	-11 43 35.61	-0.025	18	0.33	31.034	18	33.6	35.21	16	33.6	A2 J	11	6605	A -11 4871
90		9.1A	3 31.186	0.0005	21	-16 50 20.06	0.008	15	0.34	31.177	18	33.6	20.19	16	33.6	K0 J	12A	7076	A -16 5148
91		8.1A	3 32.105	-0.0002	17	-13 22 37.05	0.015	18	0.33	32.108	18	33.6	37.29	16	33.6	K0 J	11	6604	A -13 5223
92		9.1A	3 34.629	-0.0031	17	-10 47 48.43	0.005	18	0.33	34.679	18	33.6	48.52	16	33.6	G5 J	11	6607	A -10 4948
93		9.0A	3 35.351	-0.0076	15	-10 47 44.25	-0.036	17	0.31	35.475	18	33.6	43.66	16	33.6	G5 J	11	6608	A -10 4948
94		8.4A	3 36.270	0.0008	17	-13 32 0.54	-0.034	18	0.33	36.258	18	33.6	59.99	16	33.6	K2 J	11	6606	A -13 5224
95		7.1T	3 38.493	-0.0145	14	-11 58 9.75	-0.393	15	0.76	39.220	18	99.7	-49.98	18	99.7	F8	GC	26287	B*-12 5278
96		9.0A	3 49.111	0.0009	21	-17 10 56.30	0.007	15	0.34	49.096	18	33.6	56.41	16	33.6	K2 J	12A	7077	A -17 5470
97		9.0A	3 50.317	0.0009	21	-17 19 24.17	0.028	15	0.34	50.303	18	33.6	24.63	16	33.6	K0 J	12A	7078	A -17 5469
98		8.5A	3 52.115	0.0011	21	-15 33 3.75	-0.009	15	0.34	52.097	18	33.6	3.59	16	33.6	K0 J	12A	7079	A -15 5231
99		8.8A	3 56.351	0.0004	17	-12 28 54.52	-0.006	18	0.33	56.344	18	33.6	54.43	16	33.6	B8 J	11	6611	A -12 5279
00		9.0A	3 57.239	-0.0000	20	-18 0 22.84	-0.012	15	0.33	57.239	18	33.6	22.64	16	33.6	A2 J	12B	8084	A -18 5204

162200

EPOCH 1950 — ORIGINAL EPOCH — SOURCE — -10° 19H

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.		CAT.	STAR NUMBER	DM NUMBER
1		5.9T	19 3 59.685	0.0013	13	-16 18 26.57	0.003	12	0.62	59.624	09	03.0	26.69	10	02.1	B8		GC	26299K	B*-16 5153
2		8.8A	4 6.321	-0.0005	18	-10 13 41.92	-0.062	20	0.35	6.329	18	33.6	40.91	16	33.6	G5	J	11	6612	A -10 4955
3		9.3A	4 9.718	0.0006	21	-15 11 31.67	-0.007	15	0.34	9.708	18	33.6	31.56	16	33.6	G5	J	12A	7082	A -15 5233
4		6.4T	4 12.823	0.0012	11	-18 48 59.17	-0.004	11	0.34	12.764	09	01.0	58.98	10	59.7	B8		GC	26306	-18 5206
5		8.3A	4 13.036	-0.0029	18	-11 54 39.81	-0.035	20	0.35	13.085	18	33.6	39.24	16	33.6	G0	J	11	6613	A -12 5201
6		8.4A	4 15.859	0.0065	21	-14 8 54.34	0.048	15	0.34	15.753	18	33.6	55.13	16	33.6	G0	J	12A	7083	A -14 5207
7		8.9A	4 19.647	-0.0023	20	-19 45 9.68	-0.004	15	0.33	19.684	16	33.6	9.61	16	33.6	G5	J	13A	8089	A -19 5302
8		9.0A	4 20.278	0.0010	21	-17 56 5.38	0.007	15	0.34	20.262	18	33.6	5.49	16	33.6	A0	J	12A	7084	A -18 5208
9		8.5A	4 21.159	0.0013	21	-13 44 33.39	-0.016	15	0.34	21.137	18	33.6	33.13	16	33.6	B9	J	12A	7087	A -13 5231
10		8.2A	4 22.434	0.0081	21	-15 59 50.25	-0.080	15	0.34	22.301	18	33.6	48.93	16	33.6	G0	J	12A	7085	A -16 5157
11		8.4A	4 24.823	-0.0007	21	-17 19 14.75	-0.007	15	0.34	24.833	18	33.6	14.63	16	33.6	B8	J	12A	7086	A -17 5478
12		9.4A	4 25.677	-0.0011	21	-17 13 28.90	0.016	15	0.34	25.694	18	33.6	29.16	16	33.6	B9	J	12A	7088	A -17 5479
13		8.9A	4 28.978	-0.0021	17	-12 25 36.81	-0.014	18	0.33	27.012	18	33.6	36.58	16	33.6	K2	J	11	6615	A -12 5282
14		8.1A	4 35.087	0.0043	15	-12 55 23.41	-0.012	17	0.31	35.028	18	33.6	23.22	16	33.6	G5	J	11	6616	A -13 5233
15		9.0A	4 42.617	-0.0015	18	-12 13 59.08	0.022	20	0.35	42.641	18	33.6	59.44	16	33.6	G5	J	11	6617	A -12 5285
16		8.4A	4 55.170	-0.0017	15	-13 7 1.35	0.008	17	0.31	55.197	18	33.6	1.49	16	33.6	K0	J	11	6618	A -13 5234
17		8.8A	4 56.210	0.0006	21	-15 12 5.12	-0.010	15	0.34	56.200	18	33.6	4.97	16	33.6	B9	J	12A	7089	A -15 5242
18		9.2A	4 57.374	0.0003	17	-11 23 30.67	0.015	18	0.33	57.369	18	33.6	30.92	16	33.6	B9	J	11	6619	A -11 4875
19		8.7A	5 2.320	0.0019	15	-13 21 37.80	0.023	17	0.31	2.288	18	33.6	38.17	16	33.6	F8	J	11	6620	A -13 5235
20		8.1A	5 5.895	0.0005	17	-13 18 28.80	-0.009	18	0.33	5.887	18	33.6	28.66	16	33.6	B9	J	11	6621	A -13 5236
21		9.4A	5 7.129	-0.0096	21	-15 18 35.96	-0.267	15	0.34	7.286	18	33.6	31.59	16	33.6	G0	J	12A	7091	A -15 5243
22		8.9A	5 9.668	0.0006	20	-17 45 1.30	-0.016	15	0.33	9.658	18	33.6	1.03	16	33.6	K5	J	12B	8099	A -17 5487
23		9.1A	5 9.837	0.0017	15	-10 26 1.14	0.021	17	0.31	9.808	18	33.6	1.49	16	33.6	F2	J	11	6623	A -10 4967
24		9.2A	5 10.457	-0.0018	18	-13 7 41.12	-0.043	20	0.35	10.486	18	33.6	40.42	16	33.6	K2	J	11	6622	A -13 5237
25		9.0A	5 12.340	0.0020	17	-11 3 31.25	-0.013	18	0.33	12.307	18	33.6	31.04	16	33.6	B9	J	11	6624	A -11 4877
26		8.8A	5 16.578	0.0059	20	-19 41 31.70	-0.029	15	0.33	16.480	16	33.6	31.22	16	33.6	F2	J	13A	8100	A -19 5309
27		9.1A	5 17.472	-0.0011	21	-17 18 20.28	0.017	15	0.34	17.491	18	33.6	20.55	16	33.6	F0	J	12A	7092	A -17 5488
28		9.4A	5 17.489	-0.0004	21	-16 41 24.11	-0.025	15	0.34	17.495	18	33.6	23.70	16	33.6	A0	J	12A	7093	A -16 5163
29		5.4T	5 20.446	0.0003	04	-19 22 12.72	0.008	04	0.23	20.432	07	01.9	13.14	09	99.5	B3		GC	26335	B*-19 5312
30		9.0A	5 31.194	-0.0001	22	-13 51 55.34	-0.032	17	0.37	31.196	18	33.6	54.82	16	33.6	B9	J	12A	7094	A -14 5296
31		8.6A	5 36.965	0.0008	21	-15 57 32.16	-0.002	15	0.34	36.952	18	33.6	32.12	16	33.6	B9	J	12A	7095	A -16 5165
32		7.6A	5 37.662	-0.0002	17	-13 2 10.17	-0.017	18	0.33	37.666	18	33.6	9.89	16	33.6	K0	J	11	6626	A -13 5241
33		8.8A	5 43.043	0.0012	15	-11 15 57.09	0.016	15	0.30	43.023	18	33.6	57.36	16	33.6	G0	J	11	6627	A -11 4879
34		6.7T	5 48.237	-0.0002	11	-19 2 0.70	-0.004	09	0.55	48.246	18	02.6	0.48	19	90.9	K0		GC	26351	-19 5317
35		9.1A	5 49.380	0.0008	15	-11 34 49.01	-0.166	17	0.31	49.368	18	33.6	46.29	16	33.6	G5	J	11	6628	A*-11 4881
36		9.0A	5 52.295	0.0000	21	-14 33 16.71	0.019	15	0.34	52.294	18	33.6	17.03	16	33.6	G5	J	12A	7096	A -14 5297
37		8.5A	5 55.836	0.0003	20	-19 53 44.70	-0.028	15	0.33	55.830	16	33.6	44.24	16	33.6	K0	J	13A	8108	A -20 5408
38		8.7A	5 58.151	0.0005	15	-10 11 20.74	-0.006	17	0.31	58.143	18	33.6	20.64	16	33.6	A2	J	11	6629	A -10 4969
39		7.4A	6 1.619	-0.0002	00	-18 45 48.06	-0.013	15	0.24	1.622	18	33.6	47.85	16	33.6	F0	J	12B	8109	A -18 5219
40		8.2A	6 2.689	0.0050	21	-17 36 52.39	-0.147	15	0.34	2.608	18	33.6	49.97	16	33.6	K0	J	12A	7097	A -17 5493
41		8.9A	6 4.336	0.0001	18	-16 17 55.76	-0.011	13	0.31	4.334	18	33.6	55.57	16	33.6	F0	J	12A	7098	A -16 5169
42		9.2A	6 10.262	-0.0001	21	-15 21 49.24	0.012	15	0.34	10.264	18	33.6	49.45	16	33.6	K5	J	12A	7099	A -15 5247
43		9.6A	6 11.486	-0.0023	21	-15 15 49.00	-0.007	15	0.34	11.524	18	33.6	48.88	16	33.6	K0	J	12A	7100	A -15 5248
44		9.2A	6 12.327	-0.0016	21	-14 19 57.41	-0.007	15	0.34	12.354	18	33.6	57.30	16	33.6	B8	J	12A	7101	A -14 5301
45		8.2A	6 12.490	-0.0002	15	-12 56 14.20	-0.009	15	0.30	12.494	18	33.6	14.06	16	33.6	F0	J	11	6630	A -13 5246
46		8.7A	6 13.920	0.0015	20	-18 34 11.26	0.005	15	0.33	13.896	18	33.6	11.35	16	33.6	B8	J	12B	8112	A -18 5222
47		9.2A	6 15.861	0.0015	21	-13 59 6.86	-0.001	15	0.34	15.836	18	33.6	6.85	16	33.6	A3	J	12A	7102	A -14 5302
48		8.7A	6 25.994	-0.0002	21	-15 55 12.59	-0.010	15	0.34	25.998	18	33.6	12.42	16	33.6	G5	J	12A	7103	A -16 5171
49		9.2A	6 27.202	0.0001	21	-15 37 56.55	-0.033	15	0.34	27.200	18	33.6	56.00	16	33.6	A0	J	12A	7104	A -15 5250
50		8.3A	6 29.436	-0.0008	15	-10 17 55.97	-0.011	17	0.31	29.450	18	33.6	55.79	16	33.6	B0	J	11	6633	A -10 4972
51		8.4A	19 6 31.123	0.0005	21	-16 58 1.09	-0.032	15	0.34	31.114	18	33.6	0.56	16	33.6	G5	J	12A	7105	A -17 5495
52		9.1A	6 31.274	0.0005	15	-11 25 3.60	-0.060	17	0.31	31.265	18	33.6	2.62	16	33.6	G0	J	11	6634	A -11 4882
53		9.2A	6 34.219	0.0016	15	-19 29 33.71	-0.006	11	0.27	34.193	18	33.6	33.61	16	33.6	A0	J	12B	8114	A -19 5323
54		8.8A	6 34.425	0.0012	15	-12 10 16.14	-0.021	17	0.31	34.405	18	33.6	15.80	16	33.6	K0	J	11	6636	A -12 5294
55		7.5A	6 35.165	-0.0028	17	-13 32 14.46	-0.067	18	0.33	35.211	18	33.6	13.37	16	33.6	K0	J	11	6635	A -13 5249
56		9.0A	6 41.996	-0.0003	21	-14 39 58.01	0.004	15	0.34	42.001	18	33.6	58.08	16	33.6	K2	J	12A	7106	A -14 5307
57		9.3A	6 44.022	-0.0015	21	-15 20 42.80	-0.019	15	0.34	44.046	18	33.6	42.50	16	33.6	K0	J	12A	7107	A -15 5251
58		9.3A	6 45.455	0.0007	21	-15 58 44.83	0.008	15	0.34	45.443	18	33.6	44.95	16	33.6	A0	J	12A	7108	A -16 5175
59		9.0A	6 47.759	0.0032	15	-10 58 15.90	0.019	15	0.30	47.707	18	33.6	16.21	16	33.6	K2	J	11	6637	A -11 4885
60		6.3T	6 51.212	0.0013	06	-19 53 3.21	-0.079	06	0.29	51.147	09	00.1	-59.17	09	99.1	K0		GC	26389K	B*-20 5415
61		8.6A	6 51.857	0.0017	15	-11 52 5.35	0.016	17	0.31	51.828	18	33.6	5.61	16	33.6	G5	J	11	6638	A -12 5295
62		9.0A	7 0.612	-0.0018	18	-16 43 29.41	0.012	13	0.31	0.643	18	33.6	29.61	16	33.6	A5	J	12A	7109	A -16 5178
63		8.8A	7 7.379	-0.0010	15	-12 54 47.42	-0.023	15	0.30	7.395	18	33.6	47.05	16	33.6	F0	J	11	6639	A -13 5254
64		8.6A	7 10.234	0.0003	21	-17 35 17.08	-0.021	15	0.34	10.228	18	33.6	16.73	16	33.6	M3	J	12A	7110	A -17 5501
65		9.4A	7 11.992	0.0005	18	-11 4 16.36	-0.040	20	0.35	11.984	18	33.6	15.71	16	33.6	M0	J	11	6640	A -11 4888
66		9.0A	7 18.144	0.0027	21	-15 44 29.11	-0.010	15	0.34	18.100	18	33.6	28.94	16	33.6	G5	J	12A	7112	A -15 5253
67		9.1A	7 18.736	0.0022	15	-13 28 18.47	0.030	17	0.31	18.699	18	33.6	18.97	16	33.6	G0	J	11	6641	A -13 5257
68		9.2A	7 18.999	-0.0003	21	-16 40 14.60	-0.023	15	0.34	19.005	18	33.6	14.22	16	33.6	F5	J	12A	7111	A -16 5179
69		9.1A	7 19.703	0.0006	21	-13 54 17.78	0.010	15	0.34	19.694	18	33.6	17.95	16	33.6	K2	J	12A	7113	A -14 5311
70		9.2A	7 27.634	-0.0004	21	-16 22 54.17	0.013	15	0.34	27.641	18	33.6	54.38	16	33.6	M1	J	12A	7114	A -16 5183
71		9.2A	7 28.344	0.0028	20	-19 44 35.86	0.027	15	0.33	28.297	16	33.6	36.30	16	33.6	A0	J	13A	8124	A -19 5327
72		9.0A	7 29.050	-0.0014	15	-10 44 22.89	0.004	17	0.31	29.072	18	33.6	22.96	16	33.6	A2	J	11	6643	A -10 4975
73		9.1A	7 30.400	-0.0010	15	-11 1 58.06	-0.004	17	0.31	30.416	18	33.6	57.99	16	33.6	A0	J	11	6644	A -11 4890
74		9.0A	7 37.105	-0.0002	13	-11 18 11.19	0.016	15	0.29	37.107	18	33.6	11.46	16	33.6	G0	J	11	6645	A -11 4893
75		9.1A	7 46.443	0.0031	20	-17 48 44.18	-0.037	15	0.33	46.392	18	33.6	43.57	16	33.6	F8	J	12B	8129	A -17 5505
76		7.9A	7 54.078	-0.0008	15	-12 33 34.52	0.027	15	0.30	54.092	18	33.6	34.97	16	33.6	B5	J	11	6646	A -12 5298
77		9.0A	7 56.928	-0.0024	21	-16 35 16.21	-0.021	15	0.34	56.967	18	33.6	15.86	16	33.6	M1	J	12A	7116	A -16 5186
78		8.0A	8 0.324	0.0010	21	-15 9 39.35	-0.014	15	0.34	0.507	18	33.6	39.13	16	33.6	M3	J	12A	7117	A -15 5259
79		8.1A	8 3.193	0.0011	13	-12 13 33.00	-0.012	15	0.29	3.174	18	33.6	32.81	16	33.6	A0	J	11	6647K	A -12 5299
80		7.6Q	8 13.496	0.0011	11	-16 0 12.53	0.007	09	0.51	13.445	15	03.7	12.86	18	99.7	K0		GC	26413	-16 5187
81		9.0A	8 15.615	0.0015	17	-12 8 43.61	0.005	18	0.33	15.589	18	33.6	43.70	16	33.6	F0	J	11	6648	A -12 5300
82		9.4A	8 16.141	0.0022	20	-19 46 3.13	0.009	15	0.33	16.105	16	33.6	3.27	16	33.6	F0	J	13A	8133	A -19 5333
83		9.2A	8 21.785	0.0003	20	-18 21 26.33	0.130	15	0.33	21.779	18	33.6	28.46	16	33.6	A0	J	12B	8136	A -18 5238
84		9.0A	8 22.174	-0.0022	18	-15 37 55.35	-0.019	13	0.31	22.210	18	33.6	55.03	16	33.6	K0	J	12A	7120	A -15 5263
85		8.9A	8 22.176	0.0023	21	-17 30 55.16	0.007	15	0.34	22.138	18	33.6	55.27	16	33.6	F2	J	12A	7119	A -17 5510
86		7.8A	8 23.549	-0.0006	21	-14 7 42.62	-0.013	15	0.34	23.559	18	33.6	42.41	16	33.6	B9	J	12A	7121	A -14 5313
87		8.6A	8 26.933	-0.0016	18	-15 25 22.26	-0.010	13	0.31	26.959	18	33.6	22.09	16	33.6	K0	J	12A	7122	A -15 5264
88		9.0A	8 32.135	-0.0004	21	-15 17 36.56	-0.037	15	0.34	32.142	18	33.6	35.95	16	33.6	B9	J	12A	7123	A -15 5265
89		9.2A	8 36.432	-0.0003	21	-16 20 50.90	-0.006	15	0.34	36.437	18	33.6	50.79	16	33.6	A2	J	12A	7124	A -16 5190
90		9.2A	8 37.589	-0.0011	21	-16 8 23.29	-0.029	15	0.34	37.607	18	33.6	22.81	16	33.6	K2	J	12A	7125	A -16 5191
91		9.2A	8 40.410	0.0006	20	-18 17 44.26	-0.044	15	0.33	40.400	18	33.6	43.53	16	33.6	F0	J	12B	8138	A -18 5240
92		8.3A	8 41.284	-0.0012	15	-10 6 32.17	-0.013	15	0.30	41.303	18	33.6	31.96	16	33.6	K0	J	11	6650	A -10 4984
93		9.2A	8 45.907	0.0017	21	-13 50 18.07	0.001	15	0.34	45.880	18	33.6	18.09	16	33.6	K0	J	12A	7126	A -13 5264
94		9.0A	8 48.129	-0.0005	15	-13 49 44.74	-0.046	17	0.31	48.138	18	33.6	45.50	16	33.6	F2	J	11	6652	A -13 5266
95		8.6A	8 49.338	0.0006	20	-19 16 25.02	-0.008	15	0.33	49.328	18	33.6	24.89	16	33.6	G0	J	12B	8139	A -19 5336
96		8.9A	8 55.078	0.0027	21	-14 6 53.44	0.014	15	0.34	55.034	18	33.6	53.68	16	33.6	G5	J	12A	7127	A -14 5316
97		9.2A	8 59.273	-0.0023	20	-19 46 28.88	-0.007	15	0.33	59.311	18	33.6	28.76	16	33.6	M0	J	12B	8141	A -19 5338
98		8.5A	8 59.348	0.0007	13	-12 45 36.16	-0.026	15	0.29	59.336	18	33.6	35.73	16	33.6	K0	J	11	6653	A -12 5303
99		7.4T	9 4.383	0.0033	04	-14 40 8.02	0.012	04	0.25	4.223	10	01.4	8.63	12	98.4	K0		GC	26436	B*-14 5317
00		8.7A	9 13.238	0.0015	15	-10 40 2.70	0.002	15	0.30	13.214	18	33.6	2.74	16	33.6	G0	J	11	6654	A -10 4985

162300 — EPOCH 1950 — ORIGINAL EPOCH — SOURCE — -10° 19H

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	CAT.	STAR NUMBER	DM NUMBER
1		9.0A	19 9 13.934	-0.0002	21	-15 53 50.28	-0.033	15	0.34	13.937	18	33.6	49.73	16	33.6	K0 J	12A	7129	A -16 5195
2		9.4A	9 14.246	-0.0068	17	-10 39 56.03	-0.032	18	0.33	14.357	18	33.6	57.51	16	33.6	G0 J	11	6655	A -10 4985
3		9.2A	9 14.940	-0.0007	21	-16 0 26.79	-0.013	15	0.34	14.951	18	33.6	26.57	16	33.6	A0 J	12A	7130	A -16 5194
4		8.5A	9 17.144	-0.0015	21	-16 30 52.68	-0.065	15	0.34	17.169	18	33.6	51.61	16	33.6	F5 J	12A	7131	A -16 5196
5		9.0A	9 23.693	-0.0010	21	-16 22 49.40	-0.002	15	0.34	23.709	18	33.6	49.36	16	33.6	M2 J	12A	7132	A -16 5198
6		9.3A	9 25.226	-0.0015	21	-15 14 46.19	-0.005	15	0.34	25.250	18	33.6	46.10	16	33.6	G5 J	12A	7133	A -15 5269
7		8.4A	9 26.683	-0.0007	15	-13 33 23.30	0.012	17	0.31	26.695	18	33.6	23.50	16	33.6	B9 J	11	6656	A -13 5269
8		8.2A	9 28.048	0.0002	15	-10 28 55.11	-0.029	17	0.31	28.044	18	33.6	54.64	16	33.6	F0 J	11	6657	A -10 4988
9		9.3A	9 41.573	-0.0040	20	-19 45 47.27	-0.070	15	0.33	41.638	16	33.6	46.12	16	33.6	G5 J	13A	8149	A -19 5342
10		8.9A	9 47.929	-0.0079	17	-10 17 21.83	-0.110	18	0.33	48.058	18	33.6	20.03	16	33.6	G5 J	11	6658	A -10 4989
11		8.5Q	9 48.579	-0.0059	13	-19 19 8.45	-0.121	17	0.71	48.842	18	05.4	3.02	18	05.0	F5	GC	26457	-19 5344
12		9.0A	9 51.044	0.0013	21	-17 4 43.87	-0.018	15	0.34	51.022	18	33.6	43.57	16	33.6	G5 J	12A	7134	A -17 5521
13		7.8A	9 56.885	0.0017	15	-11 38 8.61	0.005	17	0.31	56.858	18	33.6	8.70	16	33.6	K0 J	11	6659	A -11 4904
14		8.8A	10 0.264	0.0015	21	-14 19 27.22	-0.018	15	0.34	0.239	18	33.6	26.93	16	33.6	F2 J	12A	7136	A -14 5327
15		8.8A	10 0.772	-0.0006	18	-17 4 54.53	-0.020	13	0.31	0.781	18	33.6	54.20	16	33.6	B9 J	12A	7135	A -17 5522
16		9.2A	10 1.484	0.0015	18	-14 41 2.67	0.009	13	0.31	1.460	18	33.6	2.81	16	33.6	G5 J	12A	7137	A -14 5325
17		9.2A	10 2.262	0.0012	17	-13 51 49.49	0.011	17	0.32	2.243	18	33.6	49.68	16	33.6	K5 J	11	6660	A -14 5329
18		8.1A	10 3.867	0.0020	21	-15 6 9.32	0.005	15	0.34	3.835	18	33.6	9.41	16	33.6	K0 J	12A	7138	A -15 5274
19		8.6A	10 4.945	-0.0017	17	-12 40 4.88	0.037	18	0.33	4.973	18	33.6	5.48	16	33.6	B2 J	11	6661	A -12 5308
20		8.9A	10 8.214	-0.0003	20	-19 34 22.47	-0.012	15	0.33	8.218	18	33.6	22.27	16	33.6	A0 J	12B	8153	A -19 5345
21		9.2A	10 8.985	-0.0004	21	-14 11 46.77	-0.001	15	0.34	8.992	18	33.6	46.76	16	33.6	B9 J	12A	7139	A -14 5330
22		8.9A	10 18.625	-0.0021	18	-12 7 37.13	-0.033	20	0.35	18.660	18	33.6	36.59	16	33.6	G0 J	11	6662	A -12 5309
23		9.3A	10 20.841	0.0006	21	-14 32 4.66	0.018	15	0.34	20.831	18	33.6	4.96	16	33.6	G5 J	12A	7141	A -14 5332
24		9.0A	10 21.887	0.0009	21	-17 11 28.89	-0.045	15	0.34	21.871	18	33.6	28.15	16	33.6	A0 J	12A	7140	A -17 5525
25		8.8A	10 22.034	0.0003	15	-12 10 49.09	0.005	17	0.31	22.029	18	33.6	49.18	16	33.6	K0 J	11	6663	A -12 5310
26		5.6T	10 27.815	0.0008	06	-12 22 4.77	-0.025	05	0.23	27.781	07	09.7	3.77	07	10.2	K0	GC	26469	B*-12 5311
27		8.9A	10 28.837	0.0011	20	-18 56 27.19	-0.020	15	0.33	28.818	18	33.6	26.87	16	33.6	A0 J	12B	8155	A -19 5346
28		8.6A	10 34.661	0.0011	18	-10 20 8.39	-0.028	20	0.35	34.642	18	33.6	7.94	16	33.6	K0 J	11	6666	A -10 4991
29		8.4A	10 35.499	0.0032	21	-14 31 55.62	-0.035	15	0.34	35.446	18	33.6	55.05	16	33.6	F5 J	12A	7142K	A -14 5333
30		9.0A	10 38.074	-0.0003	15	-11 3 28.91	-0.003	17	0.31	38.079	18	33.6	28.86	16	33.6	K7 J	11	6668	A -11 4908
31		9.0A	10 39.230	-0.0008	17	-11 5 4.92	0.005	18	0.33	39.242	18	33.6	5.00	16	33.6	F0 J	11	6669	A -11 4909
32		8.7A	10 41.240	-0.0024	21	-13 49 32.75	-0.024	15	0.34	41.279	18	33.6	32.36	16	33.6	G5 J	12A	7143	A -13 5275
33		9.3A	10 48.588	-0.0003	18	-15 31 34.67	-0.040	13	0.31	48.594	18	33.6	34.00	16	33.6	F2 J	12A	7144	A -15 5278
34		8.8A	10 49.045	0.0024	17	-11 18 54.96	0.003	18	0.33	49.006	18	33.6	55.01	16	33.6	B9 J	11	6670	A -11 4912
35		8.4A	10 50.461	-0.0010	15	-10 26 8.14	-0.016	17	0.31	50.478	18	33.6	7.88	16	33.6	F8 J	11	6671	A -10 4994
36		9.4A	10 50.796	-0.0010	21	-15 38 6.73	-0.012	15	0.34	50.812	18	33.6	6.53	16	33.6	A0 J	12A	7145	A -15 5279
37		8.6A	10 51.808	0.0038	21	-16 4 45.21	-0.042	15	0.34	51.745	18	33.6	44.51	16	33.6	K0 J	12A	7146	A -16 5208
38		9.0A	10 55.064	-0.0020	21	-16 55 16.34	-0.036	15	0.34	55.097	18	33.6	15.74	16	33.6	G5 J	12A	7147	A -17 5527
39		9.2A	10 59.089	-0.0000	20	-18 56 53.20	-0.008	15	0.33	59.089	18	33.6	53.07	16	33.6	M4 J	12B	8163	A -19 5347
40		8.8A	11 6.332	0.0008	21	-16 46 1.62	0.020	15	0.34	6.318	18	33.6	1.94	16	33.6	F0 J	12A	7148	A -16 5209
41		7.5A	11 7.222	0.0013	15	-11 17 23.20	0.005	17	0.31	7.200	18	33.6	23.28	16	33.6	K2 J	11	6672	A -11 4913
42		8.5A	11 8.115	-0.0021	21	-16 7 35.37	-0.034	15	0.34	8.149	18	33.6	34.80	16	33.6	K5 J	12A	7149	A -16 5210
43		9.1A	11 10.075	0.0013	18	-12 50 8.38	-0.013	20	0.35	10.053	18	33.6	8.17	16	33.6	B9 J	11	6673	A -12 5315
44		7.3T	11 10.299	-0.0003	12	-14 7 31.49	0.023	17	0.71	10.312	18	02.6	32.56	19	03.9	K0	GC	26489	-14 5339
45		8.0A	11 10.811	0.0005	21	-15 59 16.88	-0.028	15	0.34	10.802	18	33.6	16.41	16	33.6	K0 J	12A	7150	A -16 5211
46		8.8A	11 11.852	-0.0012	21	-14 53 29.70	-0.020	15	0.34	11.872	18	33.6	29.37	16	33.6	M1 J	12A	7152	A -15 5282
47		7.9A	11 20.868	-0.0003	17	-12 10 20.33	-0.004	18	0.33	20.873	18	33.6	20.27	16	33.6	A0 J	11	6674	A -12 5316
48		8.6A	11 27.473	-0.0068	13	-10 3 16.74	-0.251	15	0.29	27.584	18	33.6	12.62	16	33.6	G5 J	11	6675	A -10 5002
49		7.9Q	11 27.784	-0.0012	13	-17 59 18.87	-0.031	09	0.60	27.842	21	01.5	17.24	19	97.7	G5	GC	26498	-18 5262
50		8.5A	11 36.438	0.0021	18	-12 40 22.74	-0.037	20	0.35	36.404	18	33.6	22.14	16	33.6	F5 J	11	6676	A -12 5317
51		8.8A	19 11 38.336	-0.0005	18	-18 8 49.04	-0.010	12	0.30	38.344	18	33.6	48.87	16	33.6	F0 J	12B	8169	A -18 5266
52		9.0A	11 42.083	0.0007	21	-14 33 9.48	-0.005	15	0.34	42.071	18	33.6	9.40	16	33.6	K2 J	12A	7154	A -14 5343
53		8.8A	11 49.197	0.0044	20	-19 3 50.15	-0.010	15	0.33	49.125	18	33.6	49.99	16	33.6	K0 J	12B	8171	A -19 5353
54		8.6A	11 49.508	-0.0026	15	-11 35 19.36	0.016	17	0.31	49.550	18	33.6	19.63	16	33.6	K5 J	11	6677	A -11 4916
55		9.3A	11 51.117	-0.0009	18	-15 28 29.08	-0.005	13	0.31	51.132	18	33.6	28.99	16	33.6	K2 J	12A	7156	A -15 5284
56		9.3A	11 51.179	-0.0010	18	-14 31 27.38	-0.020	13	0.31	51.195	18	33.6	27.06	16	33.6	F8 J	12A	7157	A -14 5344
57		8.9A	11 51.635	-0.0004	18	-17 6 17.09	-0.042	13	0.31	51.642	18	33.6	16.40	16	33.6	G5 J	12A	7155	A -17 5534
58		8.5A	11 51.664	-0.0020	15	-12 53 15.58	-0.023	17	0.31	51.698	18	33.6	15.21	16	33.6	K0 J	11	6678	A -13 5281
59		9.1A	11 54.659	-0.0037	20	-18 35 50.96	-0.017	15	0.33	54.719	18	33.6	50.68	16	33.6	A0 J	12B	8175	A -18 5267
60		9.0A	11 56.779	0.0038	20	-17 48 41.45	0.008	15	0.33	56.716	18	33.6	41.58	16	33.6	K2 J	12B	8176	A -17 5536
61		7.4T	11 57.040	0.0019	09	-17 26 2.92	0.005	07	0.42	56.950	10	02.2	3.15	10	99.9	A2	GC	26505	-17 5535
62		8.8A	12 0.098	0.0002	17	-10 57 21.91	0.086	18	0.33	0.094	18	33.6	23.32	16	33.6	F2 J	11	6679	A -11 4918
63		9.0A	12 3.259	-0.0001	21	-17 10 36.44	-0.025	15	0.34	3.260	18	33.6	36.03	16	33.6	A2 J	12A	7160	A -17 5537
64		7.9A	12 8.112	0.0003	15	-10 48 30.59	-0.003	17	0.31	8.107	18	33.6	30.54	16	33.6	K0 J	11	6681	A -10 5007
65		8.8A	12 10.131	0.0011	17	-13 11 46.84	0.011	18	0.33	10.112	18	33.6	47.03	16	33.6	A0 J	11	6680	A -13 5282
66		9.4A	12 24.239	-0.0001	21	-14 33 8.79	-0.001	15	0.34	24.241	18	33.6	8.77	16	33.6	K0 J	12A	7163	A -14 5348
67		8.7A	12 24.696	-0.0003	15	-11 56 57.11	0.012	17	0.31	24.700	18	33.6	57.31	16	33.6	A2 J	11	6683	A -12 5325
68		7.6T	12 29.647	0.0014	10	-19 52 29.28	-0.018	08	0.46	29.580	10	02.4	28.37	10	00.4	A3	GC	26517	-20 5464
69		9.3A	12 31.316	0.0003	21	-14 38 13.67	-0.023	15	0.34	31.311	18	33.6	13.29	16	33.6	F5 J	12A	7164	A -14 5349
70		8.0A	12 33.964	-0.0012	21	-16 11 14.09	-0.042	15	0.34	33.983	18	33.6	13.39	16	33.6	K0 J	12A	7165	A -16 5220
71		9.0A	12 35.136	0.0014	20	-19 27 20.32	-0.008	15	0.33	35.112	18	33.6	20.19	16	33.6	G5 J	12B	8179	A -19 5357
72		8.9A	12 38.898	0.0016	15	-11 48 10.42	0.071	17	0.31	38.871	18	33.6	11.59	16	33.6	A3 J	11	6684	A -11 4921
73		9.0A	12 40.251	-0.0016	21	-16 56 49.91	-0.000	15	0.34	40.277	18	33.6	49.90	16	33.6	F0 J	12A	7166	A -17 5540
74		9.0A	12 41.872	-0.0042	21	-14 0 23.88	0.014	15	0.34	41.941	18	33.6	24.11	16	33.6	B8 J	12A	7167	A -14 5352
75		9.2A	12 43.177	-0.0022	18	-14 47 56.54	0.038	13	0.31	43.213	18	33.6	57.16	16	33.6	G5 J	12A	7168	A -14 5351
76		7.9T	12 51.772	0.0007	12	-14 55 33.86	0.018	10	0.61	51.739	22	02.5	34.85	21	94.9	B9	GC	26529	-15 5290
77		8.7A	12 56.807	0.0014	18	-16 22 5.10	0.017	13	0.31	56.784	18	33.6	5.37	16	33.6	K2 J	12A	7170	A -16 5223
78		9.1A	12 56.758	0.0026	15	-13 5 33.77	-0.036	15	0.30	58.715	18	33.6	33.18	16	33.6	K2 J	11	6686	A -13 5286
79		8.9A	12 59.012	0.0019	21	-16 23 17.15	-0.005	15	0.34	58.981	18	33.6	17.06	16	33.6	K0 J	12A	7171	A -16 5224
80		9.0A	13 4.913	0.0025	21	-16 42 39.74	-0.001	15	0.34	4.871	18	33.6	39.72	16	33.6	K0 J	12A	7172	A -16 5225
81		8.9A	13 10.118	-0.0010	21	-17 26 45.72	-0.012	15	0.34	10.134	18	33.6	45.52	16	33.6	K2 J	12A	7173	A -17 5543
82		8.3A	13 14.659	0.0007	20	-18 44 30.23	0.066	15	0.33	14.647	18	33.6	31.32	16	33.6	F8 J	12B	8184	A -18 5276
83		8.9A	13 19.237	0.0025	21	-15 41 6.79	0.016	15	0.34	19.196	18	33.6	7.04	16	33.6	B9 J	12A	7174	A -15 5293
84		8.7A	13 24.497	0.0000	15	-10 40 56.89	-0.025	17	0.31	24.496	18	33.6	56.48	16	33.6	B9 J	11	6687	A -10 5015
85		9.0A	13 25.554	-0.0013	21	-16 24 45.95	0.003	15	0.34	25.575	18	33.6	45.99	16	33.6	K0 J	12A	7176	A -16 5231
86		8.7A	13 26.572	0.0017	15	-11 53 37.58	-0.008	17	0.31	26.544	18	33.6	37.45	16	33.6	A5 J	11	6688	A -12 5328
87		8.7A	13 27.040	0.0015	21	-16 39 29.79	-0.013	15	0.34	27.015	18	33.6	29.57	16	33.6	B9 J	12A	7177	A -16 5232
88		8.7A	13 32.219	0.0011	15	-11 49 32.60	-0.021	17	0.31	32.200	18	33.6	32.26	16	33.6	K5 J	11	6689	A -11 4927
89		8.7A	13 34.931	0.0036	13	-10 1 39.05	-0.019	15	0.29	34.871	18	33.6	38.74	16	33.6	K0 J	11	6690	A -10 5016
90		9.1A	13 38.366	0.0018	17	-10 10 20.29	-0.010	18	0.33	38.336	18	33.6	20.13	16	33.6	K7 J	11	6691	A -10 5017
91		7.9A	13 40.662	0.0015	17	-11 39 29.18	-0.014	18	0.33	40.636	18	33.6	28.95	16	33.6	K2 J	11	6692	A -11 4929
92		8.9A	13 41.093	0.0017	21	-16 29 10.50	-0.004	15	0.34	41.064	18	33.6	10.43	16	33.6	K0 J	12A	7178	A -16 5236
93		8.7A	13 44.914	0.0015	17	-12 55 25.33	-0.022	18	0.33	44.888	18	33.6	24.97	16	33.6	K2 J	11	6693	A -13 5289
94		6.7I	13 45.779	0.0005	09	-19 23 49.00	0.019	09	0.61	45.747	19	86.2	50.21	19	87.4	M5E	GC	26557V	B*-19 5367
95		8.8A	13 48.419	-0.0011	21	-16 22 2.41	0.001	15	0.34	48.437	18	33.6	2.42	16	33.6	A2 J	12A	7180	A -16 5238
96		8.7A	13 50.630	0.0011	15	-11 22 42.45	-0.004	17	0.31	50.611	18	33.6	42.38	16	33.6	K0 J	11	6694	A -11 4931
97		8.9A	13 51.420	0.0008	21	-16 31 46.46	-0.042	15	0.34	51.406	18	33.6	45.77	16	33.6	A2 J	12A	7181	A -16 5240
98		9.0A	13 53.129	0.0025	21	-16 40 44.78	-0.028	15	0.34	53.088	18	33.6	44.32	16	33.6	K0 J	12A	7182	A -16 5241
99		8.9A	13 56.903	0.0016	21	-16 41 49.54	0.014	15	0.34	56.877	18	33.6	49.76	16	33.6	K5 J	12A	7183	A -16 5242
00		8.2A	13 58.475	-0.0005	15	-10 15 48.66	-0.048	17	0.31	58.483	18	33.6	47.88	16	33.6	K2 J	11	6695	A -10 5018

162400			EPOCH 1950										ORIGINAL EPOCH							SP.	SOURCE		-10° 19H
NUMBER	MAGNITUDES		α_{1950}		μ	σ_μ	δ_{1950}		μ'	$\sigma_{\mu'}$	σ_{1950}		α_2	σ	ep.	δ_2	σ'	ep.		CAT.	STAR NUMBER	DM NUMBER
	m_{pg}	m_v	h m	s	s	″.001	° ′	″	″	″.001	″		s	″.01		″	″.01					
1		7.0T	19 14	5.586	0.0105	05	-11 3	42.83	0.010	05	0.26		5.132	12	06.6	43.31	12	02.3	G0	GC	26570K	B+-11 4932
2		8.9A	14	9.202	-0.0005	13	-10 11	55.20	-0.047	15	0.29		9.210	18	33.6	54.43	16	33.6	G0 J	11	6697	A -10 5020
3		9.3A	14	9.565	0.0017	21	-14 39	0.24	-0.015	15	0.34		9.536	18	33.6	-59.99	16	33.6	K2 J	12A	7185	A -14 5366
4		8.3A	14	10.197	-0.0008	18	-17 8	37.47	-0.057	13	0.31		10.206	18	33.6	36.53	16	33.6	K0 J	12A	7184	A -17 5555
5		8.9A	14	14.291	0.0002	20	-19 4	33.83	0.004	15	0.33		14.287	18	33.6	33.90	16	33.6	A0 J	12B	8198	A -19 5372
6		8.4A	14	19.294	-0.0002	21	-16 8	32.14	-0.029	15	0.34		19.296	18	33.6	31.66	16	33.6	K0 J	12A	7186	A -16 5247
7		8.2A	14	31.778	-0.0022	21	-16 9	49.25	-0.036	15	0.34		31.814	18	33.6	48.65	16	33.6	K0 J	12A	7187	A -16 5249
8		8.8A	14	32.848	0.0023	17	-12 55	1.59	-0.005	18	0.33		32.811	18	33.6	1.50	16	33.6	F8 J	11	6698	A -13 5297
9		9.2A	14	36.897	0.0017	15	-11 39	29.84	-0.002	15	0.30		36.868	18	33.6	29.80	16	33.6	G0 J	11	6699	A -11 4934
10		8.6A	14	37.288	0.0002	20	-17 54	45.66	-0.005	15	0.33		37.286	18	33.6	45.57	16	33.6	K5 J	12B	8205	A -18 5290
11		8.5A	14	38.002	0.0013	21	-14 35	30.95	-0.002	15	0.34		37.980	18	33.6	30.92	16	33.6	B9 J	12A	7189	A -14 5371
12		9.2A	14	38.186	-0.0032	15	-11 39	36.02	-0.007	15	0.30		38.217	18	33.6	35.91	16	33.6	G0 J	11	6700	A -11 4934
13		5.0H	14	42.594	-0.0008	01	-19 2	37.10	-0.015	01	0.05		42.625	02	12.1	36.52	03	11.0	K0	F4	722	-19 5379
14		8.0A	14	42.764	-0.0011	21	-18 0	42.68	-0.038	15	0.34		42.782	18	33.6	42.05	16	33.6	F0 J	12A	7190	A -18 5291
15		9.5A	14	46.614	-0.0011	21	-16 42	0.56	-0.016	15	0.34		46.632	18	33.6	0.29	16	33.6	G0 J	12A	7191	A -16 5252
16		9.0A	14	46.918	0.0017	15	-12 15	36.32	-0.002	17	0.31		46.889	18	33.6	36.29	16	33.6	G5 J	11	6701	A -12 5335
17		7.1G	14	47.984	0.0020	09	-16 3	28.39	-0.008	09	0.51		47.887	18	01.4	27.94	17	97.4	A3	GC	26590K	B+-16 5253
18		7.6G	14	48.180	0.0034	16	-16 3	19.54	-0.010	14	0.67		48.042	21	09.4	19.09	21	06.4		GC	26591K	-16 5253
19		8.8A	14	54.120	-0.0017	15	-13 7	46.42	0.015	15	0.30		54.147	18	33.6	46.66	16	33.6	B8 J	11	6702	A -13 5298
20		8.9A	14	56.191	0.0012	17	-10 59	13.96	0.008	18	0.33		56.171	18	33.6	14.11	16	33.6	B8 J	11	6703	A -11 4937
21		8.2A	14	57.662	-0.0032	21	-17 0	44.81	-0.019	15	0.34		57.715	18	33.6	44.49	16	33.6	B5 J	12A	7193	A -17 5564
22		9.5A	14	58.225	-0.0006	18	-16 27	15.67	-0.084	15	0.32		58.232	18	33.6	15.27	16	33.6	A0 J	12A	7194	A -16 5255
23		8.9A	14	59.240	0.0002	20	-19 57	47.71	0.001	15	0.33		59.236	18	33.6	47.73	16	33.6	G5 J	13A	8211	A -20 5481
24		8.8A	14	59.621	0.0004	15	-11 4	20.77	0.004	15	0.30		59.582	18	33.6	21.16	16	33.6	A0 J	11	6704	A -11 4938
25		9.0A	15	0.530	0.0029	20	-19 30	45.83	0.007	15	0.33		0.482	18	33.6	45.94	16	33.6	A2 J	12B	8212	A -19 5384
26		8.8A	15	7.320	-0.0003	18	-13 32	23.54	0.021	20	0.35		7.324	18	33.6	23.89	16	33.6	A0 J	11	6705	A -13 5299
27		8.7A	15	8.884	-0.0007	17	-13 32	39.27	-0.036	18	0.33		8.896	18	33.6	38.68	16	33.6	A2 J	11	6706	A -13 5300
28		8.4A	15	12.376	0.0026	15	-11 30	41.77	-0.001	17	0.31		12.336	18	33.6	41.76	16	33.6	B9 J	11	6707	A -11 4940
29		9.2A	15	12.486	-0.0003	18	-14 50	23.75	0.012	13	0.31		12.491	18	33.6	23.95	16	33.6	G5 J	12A	7196	A -15 5304
30		9.0A	15	12.863	0.0020	15	-11 23	28.87	0.011	17	0.31		12.831	18	33.6	29.05	16	33.6	A3 J	11	6708	A -11 4939
31		8.6A	15	13.985	-0.0008	20	-18 17	58.69	-0.005	15	0.33		13.999	18	33.6	58.61	16	33.6	K2 J	12B	8214	A -18 5296
32		6.6T	15	15.537	0.0001	04	-18 57	18.25	-0.013	04	0.26		15.532	12	98.5	17.58	12	97.6	B9	GC	26598	-19 5387
33		9.0A	15	17.518	-0.0003	21	-16 21	50.10	-0.021	15	0.34		17.523	18	33.6	49.75	16	33.6	K0 J	12A	7197	A -16 5257
34		9.0A	15	19.202	0.0007	17	-11 52	34.71	-0.050	18	0.33		19.192	18	33.6	33.89	16	33.6	F8 J	11	6710	A -12 5337
35		8.8A	15	21.622	0.0001	21	-16 46	50.72	-0.016	15	0.34		21.620	18	33.6	50.45	16	33.6	A5 J	12A	7198	A -16 5259
36		7.9G	15	24.276	-0.0047	12	-11 32	22.05	-0.031	09	0.52		24.486	18	04.8	20.53	18	01.0	K0	GC	26603	-11 4943
37		9.2A	15	25.084	0.0005	21	-17 5	40.04	-0.039	15	0.34		25.076	18	33.6	39.40	16	33.6	A0 J	12A	7199	A -17 5570
38		8.7A	15	25.630	-0.0005	17	-18 33	15.23	-0.014	12	0.29		25.638	18	33.6	15.01	16	33.6	K2 J	12B	8217	A -18 5297
39		9.0A	15	25.796	0.0010	21	-15 55	26.22	-0.003	15	0.34		25.779	18	33.6	26.16	16	33.6	A2 J	12A	7200	A -16 5260
40		9.0A	15	29.499	0.0023	21	-17 10	11.56	0.006	15	0.34		29.460	18	33.6	11.65	16	33.6	B9 J	12A	7201	A -17 5571
41		8.7A	15	33.836	0.0001	21	-13 54	46.07	0.008	15	0.34		33.834	18	33.6	46.21	16	33.6	K0 J	12A	7202	A -14 5377
42		7.4T	15	34.536	0.0005	09	-18 47	19.69	0.006	09	0.50		34.510	17	98.5	20.03	15	96.2	F0	GC	26612	-18 5298
43		9.1A	15	35.058	-0.0010	20	-19 9	45.10	-0.002	15	0.33		35.074	18	33.6	45.07	16	33.6	M1 J	12B	8219	A -19 5390
44		8.8A	15	36.578	-0.0013	21	-14 26	16.49	0.002	15	0.34		36.600	18	33.6	16.53	16	33.6	K2 J	12A	7203	A -14 5378
45		8.7A	15	40.186	0.0007	20	-13 42	36.24	0.015	20	0.36		40.175	18	33.6	36.49	16	33.6	A3 J	11	6713	A -13 5303
46		8.7A	15	40.922	0.0011	15	-13 15	13.65	-0.018	17	0.31		40.904	18	33.6	13.55	16	33.6	K2 J	11	6714	A -13 5304
47		9.0A	15	41.370	0.0002	21	-16 35	19.40	0.007	15	0.34		41.365	18	33.6	19.51	16	33.6	K5 J	12A	7204	A -16 5264
48		8.4A	15	44.089	-0.0011	21	-17 18	27.80	-0.044	15	0.34		44.087	18	33.6	27.08	16	33.6	K0 J	12A	7205	A -17 5573
49		9.1A	15	49.246	-0.0007	21	-14 53	43.80	-0.014	15	0.34		49.257	18	33.6	43.57	16	33.6	G0 J	12A	7207	A -15 5308
50		8.9A	15	49.890	0.0001	21	-17 6	2.96	-0.042	15	0.34		49.888	18	33.6	2.27	16	33.6	K0 J	12A	7206	A -17 5574
51		8.9A	19 15	50.322	0.0003	17	-11 28	21.71	-0.007	18	0.33		50.316	18	33.6	21.60	16	33.6	K5 J	11	6715	A -11 4946
52		8.6A	15	50.733	0.0011	21	-14 37	52.42	-0.009	15	0.34		50.714	18	33.6	52.26	16	33.6	K0 J	12A	7208	A -14 5380
53		9.0A	15	52.544	0.0040	20	-19 48	55.76	-0.028	15	0.33		52.478	18	33.6	55.30	16	33.6	K0 J	13A	8223	A -19 5382
54		8.8A	16	0.477	0.0042	17	-13 10	55.06	-0.008	18	0.33		0.409	18	33.6	54.92	16	33.6	K0 J	11	6716	A -13 5308
55		8.9A	16	0.762	0.0013	17	-10 57	40.35	0.006	18	0.33		0.740	18	33.6	40.45	16	33.6	B8 J	11	6717	A -11 4947
56		8.9A	16	1.361	0.0027	21	-14 14	11.95	0.020	15	0.34		1.318	18	33.6	12.28	16	33.6	A3 J	12A	7209	A -14 5382
57		8.7A	16	4.820	0.0046	20	-18 1	13.35	-0.003	15	0.33		4.745	18	33.6	13.30	16	33.6	G0 J	12B	8224	A -18 5301
58		8.4A	16	6.056	0.0086	15	-10 59	5.05	-0.075	17	0.31		5.914	18	33.6	3.82	16	33.6	G0 J	11	6718	A -11 4948
59		9.3A	16	8.310	0.0011	15	-12 10	46.45	-0.063	17	0.31		8.291	18	33.6	45.42	16	33.6	K2 J	11	6720	A -12 5344
60		9.0A	16	8.651	-0.0000	21	-16 59	14.00	-0.006	15	0.34		8.651	18	33.6	13.90	16	33.6	B9 J	12A	7210.	A -17 5578
61		8.5A	16	8.673	0.0013	15	-13 27	57.53	0.031	17	0.31		8.651	18	33.6	58.04	16	33.6	B9 J	11	6719	A -13 5309
62		6.3T	16	9.039	-0.0086	03	-15 37	30.06	-0.267	03	0.19		9.376	07	99.0	15.78	07	96.6	K2	GC	26626	B+-15 5310
63		8.5G	16	13.136	0.0014	11	-11 1	19.16	0.010	08	0.47		13.078	18	06.9	19.63	18	03.6	B9	GC	26628	-11 4950
64		8.5A	16	15.292	-0.0053	18	-13 25	58.49	-0.073	20	0.35		15.379	18	33.6	57.30	16	33.6	G0 J	11	6721	A -13 5311
65		7.2T	16	17.824	0.0019	06	-16 0	3.03	0.003	07	0.40		17.714	14	91.8	3.18	14	92.4	N0	GC	26630	-16 5272
66		8.6A	16	18.489	-0.0006	15	-10 14	19.57	-0.016	17	0.31		18.498	18	33.6	19.31	16	33.6	B9 J	11	6724	A -10 5028
67		8.9A	16	22.069	0.0044	13	-13 25	35.73	-0.011	15	0.29		21.996	18	33.6	35.55	16	33.6	F8 J	11	6723	A -13 5312
68		9.2A	16	22.417	-0.0012	21	-16 46	18.04	-0.066	15	0.34		22.437	18	33.6	16.95	16	33.6	G0 J	12A	7213	A -16 5273
69		9.2A	16	26.510	0.0004	18	-15 7	43.74	-0.009	13	0.31		26.504	18	33.6	43.60	16	33.6	A0 J	12A	7214	A -15 5312
70		9.2A	16	30.381	0.0011	21	-17 2	50.60	-0.023	15	0.34		30.363	18	33.6	50.22	16	33.6	B9 J	12A	7215	A -17 5579
71		8.9A	16	30.525	0.0004	17	-13 25	40.44	0.011	18	0.33		30.485	18	33.6	40.62	16	33.6	A0 J	11	6725	A -13 5314
72		7.9A	16	43.150	-0.0021	17	-14 14	46.67	0.011	13	0.30		43.184	18	33.6	47.06	16	33.6	G5 J	12A	7216	A -14 5387
73		8.9A	16	48.011	0.0000	18	-17 6	7.70	-0.019	13	0.31		48.010	18	33.6	7.38	16	33.6	K2 J	12A	7217	A -17 5584
74		9.2A	16	53.527	0.0016	21	-15 44	13.47	-0.019	15	0.34		53.500	18	33.6	13.15	16	33.6	F5 J	12A	7218	A -15 5314
75		9.1A	16	58.398	-0.0010	17	-13 23	39.19	-0.012	18	0.33		58.414	18	33.6	39.00	16	33.6	G0 J	11	6726	A -13 5316
76		8.6A	16	59.133	0.0004	17	-11 27	35.14	0.008	18	0.33		59.093	18	33.6	35.27	16	33.6	A2 J	11	6727	A -11 4954
77		8.9A	16	59.574	-0.0015	21	-14 21	35.46	0.007	15	0.34		59.600	18	33.6	35.58	16	33.6	K2 J	12A	7219	A -14 5389
78		8.2A	17	3.337	0.0023	20	-19 27	34.67	0.021	15	0.33		3.299	18	33.6	35.02	16	33.6	G5 J	12B	8234	A -19 5398
79		9.5A	17	9.482	0.0015	17	-11 39	58.49	0.047	18	0.33		9.456	18	33.6	59.27	16	33.6	B9 J	11	6728	A -11 4955
80		9.1A	17	10.868	0.0013	18	-14 40	18.70	0.008	13	0.31		10.847	18	33.6	18.83	16	33.6	F8 J	12A	7220	A -14 5390
81		9.5A	17	13.977	-0.0007	21	-14 7	51.73	-0.037	15	0.34		13.989	18	33.6	51.13	16	33.6	G5 J	12A	7221	A -14 5391
82		8.4A	17	17.995	0.0020	21	-14 32	46.25	-0.008	15	0.34		17.962	18	33.6	46.11	16	33.6	K0 J	12A	7222	A -14 5392
83		9.2A	17	29.017	-0.0003	21	-15 27	33.86	0.005	15	0.34		29.022	18	33.6	33.94	16	33.6	B9 J	12A	7223	A -15 5310
84		8.7A	17	30.669	-0.0012	20	-18 57	26.40	-0.020	15	0.33		30.689	18	33.6	26.08	16	33.6	K5 J	12B	8238	A -19 5402
85		8.9A	17	31.142	0.0013	17	-10 3	11.31	-0.026	18	0.33		31.120	18	33.6	10.86	16	33.6	B9 J	11	6729	A -10 5034
86		9.0A	17	33.634	0.0016	20	-19 5	25.07	-0.009	15	0.33		33.608	18	33.6	24.92	16	33.6	K2 J	12B	8239	A -19 5403
87		7.9A	17	38.649	0.0005	21	-17 8	19.14	-0.014	15	0.84		38.642	18	33.6	18.91	16	33.6	M2 J	12A	7224	A -17 5588
88		7.4A	17	39.089	0.0011	17	-10 39	16.97	-0.028	18	0.33		39.070	18	33.6	16.55	16	33.6	M3 J	11	6731	A -10 5035
89		9.4A	17	39.467	-0.0004	21	-16 13	53.29	-0.035	15	0.34		39.474	18	33.6	52.71	16	33.6	A5 J	12A	7225	A -16 5278
90		8.9A	17	41.475	-0.0007	17	-13 20	44.34	-0.006	18	0.33		41.486	18	33.6	44.24	16	33.6	B9 J	11	6730	A -13 5321
91		9.3A	17	43.216	-0.0006	17	-12 10	38.30	0.011	17	0.32		43.225	18	33.6	38.48	16	33.6	K2 J	11	6733	A -12 5351
92		9.1A	17	43.751	0.0014	21	-17 13	17.91	0.005	15	0.34		43.729	18	33.6	17.99	16	33.6	F8 J	12A	7226	A -17 5589
93		9.2A	17	43.821	0.0012	21	-15 23	48.09	0.049	15	0.34		43.802	18	33.6	48.90	16	33.6	F0 J	12A	7227	A -15 5321
94		8.6A	17	43.867	-0.0017	21	-13 50	11.54	0.020	15	0.34		43.896	18	33.6	11.87	16	33.6	K0 J	12A	7228	A -14 5397
95		9.1A	17	54.010	0.0014	20	-19 9	18.95	0.011	15	0.33		53.988	18	33.6	19.13	16	33.6	K0 J	12B	8243	A -19 5406
96		9.2A	17	57.662	0.0024	17	-11 23	6.14	0.035	18	0.33		57.622	18	33.6	6.72	16	33.6	F5 J	11	6734	A -11 4960
97		9.0A	18	1.384	0.0012	17	-12 31	39.96	-0.017	18	0.33		1.365	18	33.6	39.68	16	33.6	A0 J	11	6735	A -12 5353
98		7.8A	18	5.222	0.0013	18	-11 23	44.66	-0.023	20	0.35		5.200	18	33.6	44.28	16	33.6	K0 J	11	6736	A -11 4961
99		8.1A	18	13.925	-0.0008	20	-18 36	45.96	-0.021	15	0.33		13.938	18	33.6	45.62	16	33.6	G5 J	12B	8245	A -18 5315
00		8.8A	18	15.596	0.0045	20	-12 21	50.31	-0.030	20	0.36		15.521	18	33.6	49.82	16	33.6	F2 J	11	6738	A -12 5354

162500

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ s	σ_μ .001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ .001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ .01	ep.	δ_2 ″	σ' .01	ep.	SP.		SOURCE CAT.	STAR NUMBER	DM NUMBER
1		8.9A	19 18 16.358	0.0004	15	-12 4 29.77	-0.010	17	0.31	16.352	18	33.6	29.94	16	33.6	B9	J	11	6739	A -12 5355
2		8.6A	18 19.610	-0.0063	20	-18 44 51.39	-0.105	15	0.33	19.714	18	33.6	49.67	16	33.6	G0	J	12B	8246	A -18 5316
3		9.3A	18 22.233	-0.0012	15	-11 51 14.60	-0.005	15	0.30	22.252	18	33.6	14.52	16	33.6	A2	J	11	6740	A -12 5357
4		8.9A	18 22.924	-0.0007	15	-12 12 31.57	-0.026	15	0.30	22.935	18	33.6	31.15	16	33.6	M0	J	11	6741	A -12 5358
5		9.0A	18 27.472	0.0022	20	-19 58 46.19	-0.010	15	0.33	27.436	16	33.6	46.02	16	33.6	K2	J	13A	8247	A -20 5508
6		8.5A	18 30.701	0.0013	17	-13 13 52.60	-0.013	18	0.33	30.679	18	33.6	52.81	16	33.6	A2	J	11	6744	A -13 5326
7		8.8A	18 31.664	-0.0005	15	-12 21 42.41	-0.012	17	0.31	31.673	18	33.6	42.22	16	33.6	A3	J	11	6745	A -12 5361
8		9.2A	18 35.225	0.0014	21	-17 19 6.34	-0.025	15	0.34	35.201	18	33.6	5.93	16	33.6	K2	J	12A	7229	A -17 5597
9		8.3A	18 37.080	0.0011	20	-10 16 16.96	-0.023	20	0.36	37.061	18	33.6	16.58	16	33.6	K5	J	11	6746	A -10 5041
10		9.0A	18 41.264	-0.0010	18	-11 8 8.12	0.045	20	0.35	41.280	18	33.6	8.86	16	33.6	M1	J	11	6747	A -11 4963
11		6.4T	18 41.359	0.0004	04	-19 19 46.28	-0.001	04	0.23	41.340	09	01.4	46.24	09	01.0	B8		GC	26689	-19 5412
12		4.0T	18 46.401	-0.0018	02	-17 56 34.67	0.024	02	0.15	46.507	05	90.9	36.11	06	90.1	A5		GC	26694	B*-18 5322
13		9.1A	18 46.682	-0.0019	15	-11 2 28.17	0.016	17	0.31	46.713	18	33.6	28.44	16	33.6	B9	J	11	6749	A -11 4964
14		9.4A	18 46.928	0.0004	21	-14 52 13.86	0.002	15	0.34	46.922	18	33.6	13.89	16	33.6	B8	J	12A	7232	A -15 5324
15		8.4A	18 48.421	-0.0012	17	-12 51 58.83	-0.099	18	0.33	48.440	18	33.6	57.21	16	33.6	G5	J	11	6748	A -13 5328
16		8.0A	18 48.534	-0.0068	21	-17 20 25.27	-0.031	15	0.34	48.646	18	33.6	24.76	16	33.6	F8	J	12A	7231	A -17 5598
17		8.5A	18 49.871	0.0003	15	-10 27 54.80	-0.009	17	0.31	49.866	18	33.6	54.65	16	33.6	A0	J	11	6750	A -10 5045
18		4.6H	18 51.834	0.0000	01	-16 3 1.82	-0.006	02	0.06	51.833	03	15.9	1.62	04	16.7	+++		F4	727	-16 5283
19		8.9A	18 51.954	-0.0002	21	-15 39 49.43	-0.020	15	0.34	51.956	18	33.6	49.09	16	33.6	F8	J	12A	7234	A -15 5325
20		8.0A	18 55.227	0.0024	21	-14 7 43.38	-0.005	15	0.34	55.187	18	33.6	43.30	16	33.6	A3	J	12A	7235	A -14 5404
21		6.0T	18 55.912	0.0070	03	-18 24 10.03	-0.092	03	0.18	55.528	07	95.2	4.92	07	94.6	K0		GC	26700	B*-18 5325
22		8.8A	19 1.190	0.0022	17	-10 29 29.95	0.014	18	0.33	1.154	18	33.6	30.18	16	33.6	K2	J	11	6751	A -10 5047
23		8.7A	19 8.695	0.0044	20	-19 13 8.44	-0.040	15	0.33	8.622	18	33.6	7.79	16	33.6	F8	J	12B	8254	A -19 5415
24		9.0A	19 21.109	-0.0037	20	-18 29 44.71	-0.053	15	0.33	21.169	18	33.6	43.83	16	33.6	G0	J	12B	8256	A -18 5331
25		9.3A	19 24.096	0.0012	21	-14 13 37.19	0.004	15	0.34	24.076	18	33.6	37.26	16	33.6	G5	J	12A	7237	A -14 5406
26		8.5A	19 24.323	0.0011	21	-16 41 9.34	0.006	15	0.34	24.305	18	33.6	9.43	16	33.6	K2	J	12A	7236	A -16 5287
27		8.2A	19 33.849	-0.0026	21	-13 49 41.34	-0.008	15	0.34	33.891	18	33.6	41.21	16	33.6	B9	J	12A	7238	A -14 5407
28		9.2A	19 33.957	0.0039	17	-11 20 13.83	-0.009	18	0.33	33.893	18	33.6	13.68	16	33.6	F5	J	11	6753	A -11 4969
29		8.9A	19 39.989	0.0022	17	-10 27 41.23	0.010	18	0.33	39.953	18	33.6	41.39	16	33.6	K5	J	11	6754	A -10 5050
30		8.5Q	19 40.232	-0.0011	10	-19 7 13.30	-0.024	08	0.45	40.282	18	04.5	12.11	17	99.9	F8		GC	26721	-19 5418
31		9.1A	19 43.146	0.0014	17	-11 57 44.87	0.039	18	0.33	43.123	18	33.6	45.51	16	33.6	A5	J	11	6755	A -12 5368
32		9.0A	19 46.041	-0.0012	18	-11 2 22.74	-0.009	20	0.35	46.060	18	33.6	22.59	16	33.6	K5	J	11	6756	A -11 4971
33		9.4A	19 46.284	0.0002	20	-18 39 36.89	-0.044	15	0.33	46.281	18	33.6	36.17	16	33.6	F8	J	12B	8262	A -18 5332
34		9.4A	19 48.165	-0.0008	21	-16 5 52.36	-0.001	15	0.34	48.179	18	33.6	52.33	16	33.6	K0	J	12A	7239	A -16 5288
35		7.9A	19 49.112	-0.0002	17	-11 42 59.07	-0.008	18	0.33	49.115	18	33.6	58.94	16	33.6	K0	J	11	6757	A -11 4972
36		8.9A	19 50.233	0.0002	17	-10 22 40.24	-0.004	18	0.33	50.230	18	33.6	40.18	16	33.6	M1	J	11	6758	A -10 5052
37		8.8A	19 50.568	-0.0001	21	-14 13 19.52	-0.037	15	0.34	50.570	18	33.6	18.92	16	33.6	K0	J	12A	7240	A -14 5409
38		8.5A	19 53.348	0.0002	21	-14 8 0.09	-0.009	15	0.34	53.344	18	33.6	59.95	16	33.6	K0	J	12A	7241	A -14 5411
39		9.4A	19 56.266	0.0005	21	-14 9 47.63	-0.015	15	0.34	56.258	18	33.6	47.39	16	33.6	M0	J	12A	7242	A -14 5412
40		9.1A	19 58.635	-0.0025	20	-12 1 5.61	0.017	20	0.36	58.677	18	33.6	5.89	16	33.6			11	6759	A -12 5371
41		8.9A	19 59.493	0.0003	18	-12 2 7.20	0.013	20	0.35	59.488	18	33.6	7.42	16	33.6	A3	J	11	6760	A -12 5372
42		9.3A	20 1.567	-0.0025	21	-14 56 10.46	-0.004	15	0.34	1.608	18	33.6	10.40	16	33.6	A0	J	12A	7244	A -15 5331
43		9.0A	20 2.815	0.0012	18	-19 56 31.37	0.011	15	0.31	2.795	16	33.6	31.55	16	33.6	F2	J	13A	8264	A -20 5519
44		9.1A	20 3.434	0.0038	18	-16 32 27.58	-0.023	13	0.31	3.372	18	33.6	27.20	16	33.6	F0	J	12A	7243	A -16 5289
45		8.0A	20 5.989	-0.0001	21	-17 37 5.31	0.012	15	0.34	5.991	18	33.6	5.50	16	33.6	B9	J	12A	7245	A -17 5604
46		9.2A	20 7.308	0.0036	21	-14 21 20.87	-0.012	15	0.34	7.249	18	33.6	20.68	16	33.6	G5	J	12A	7246	A -14 5413
47		8.7A	20 8.092	-0.0020	18	-10 7 46.09	-0.028	20	0.35	8.124	18	33.6	45.83	16	33.6	K5	J	11	6762	A -10 5055
48		8.4A	20 8.522	0.0041	20	-19 4 48.69	-0.043	15	0.33	8.454	18	33.6	47.99	16	33.6	K0	J	12B	8266	A -19 5422
49		9.0A	20 9.101	-0.0004	21	-15 0 43.59	0.000	15	0.34	9.107	18	33.6	43.60	16	33.6	G5	J	12A	7247	A -15 5333
50		9.0A	20 10.057	0.0016	21	-15 40 43.24	0.024	15	0.34	10.030	18	33.6	43.63	16	33.6	A0	J	12A	7248	A -15 5332
51		7.0T	19 20 24.375	0.0004	09	-10 48 0.84	0.023	08	0.50	24.352	18	98.4	2.06	17	97.1	R0		GC	26733	B*-10 5057
52		9.2A	20 24.491	0.0041	21	-15 42 47.00	-0.003	15	0.34	24.424	18	33.6	46.94	16	33.6	F8	J	12A	7249	A -15 5334
53		8.8A	20 27.850	0.0020	21	-15 23 18.53	-0.036	15	0.34	27.818	18	33.6	17.95	16	33.6	K0	J	12A	7250	A -15 5335
54		8.5A	20 31.293	0.0010	18	-18 5 48.84	-0.009	13	0.31	31.277	18	33.6	48.69	16	33.6	A2	J	12B	8269	A -18 5338
55		8.8A	20 31.607	0.0002	15	-10 36 47.99	-0.007	17	0.31	31.603	18	33.6	47.88	16	33.6	M0	J	11	6765	A -10 5059
56		8.5A	20 33.649	-0.0015	20	-18 5 55.60	-0.055	15	0.33	33.674	18	33.6	54.69	16	33.6	A2	J	12B	8271	A -18 5340
57		8.8A	20 34.389	-0.0017	20	-17 57 10.70	-0.053	15	0.33	34.416	18	33.6	9.82	16	33.6	G5	J	12B	8272	A -18 5341
58		9.0A	20 36.194	-0.0011	21	-16 36 12.27	-0.042	15	0.34	36.212	18	33.6	11.58	16	33.6	F8	J	12A	7252	A -16 5292
59		8.1A	20 43.960	-0.0011	18	-13 21 32.22	0.008	20	0.35	43.977	18	33.6	32.36	16	33.6	G5	J	11	6766	A -13 5336
60		8.3A	20 45.499	-0.0003	21	-15 54 36.02	-0.021	15	0.34	45.504	18	33.6	35.67	16	33.6	B9	J	12A	7254	A -16 5293
61		9.0A	20 46.119	-0.0015	18	-17 41 42.29	0.003	13	0.31	46.144	18	33.6	42.33	16	33.6	A0	J	12A	7253	A -17 5608
62		9.1A	20 49.925	0.0018	20	-19 46 13.83	0.008	15	0.33	49.896	16	33.6	13.96	16	33.6	F8	J	13A	8274	A -19 5427
63		9.4A	20 54.712	-0.0030	21	-13 56 40.09	0.017	15	0.34	54.761	18	33.6	40.38	16	33.6	F5	J	12A	7256	A -14 5416
64		6.9T	20 55.687	-0.0001	08	-17 17 35.93	-0.028	11	0.50	55.693	18	00.6	34.59	21	02.6	B9		GC	26755	-17 5611
65		8.6A	21 9.385	-0.0015	17	-10 23 34.49	-0.015	18	0.33	9.410	18	33.6	34.25	16	33.6	K0	J	11	6769	A -10 5062
66		9.0A	21 16.665	-0.0012	18	-16 24 41.47	-0.022	13	0.31	16.685	18	33.6	41.10	16	33.6	K0	J	12A	7257	A -16 5296
67		8.8A	21 19.402	0.0023	20	-17 53 4.48	-0.017	15	0.33	19.364	18	33.6	4.20	16	33.6	K0	J	12B	8279K	A -18 5346
68		9.1A	21 22.505	0.0012	15	-11 23 21.76	-0.031	17	0.31	22.485	18	33.6	21.25	16	33.6	A0	J	11	6770	A -11 4981
69		9.1A	21 26.701	-0.0051	20	-18 40 50.61	-0.117	15	0.33	26.785	18	33.6	48.70	16	33.6	G5	J	12B	8280	A -18 5348
70		8.7A	21 28.889	0.0020	17	-19 48 46.67	0.003	12	0.28	28.855	16	33.6	46.72	16	33.6	F0	J	13A	8281	A -19 5434
71		7.9T	21 34.187	-0.0027	12	-19 1 35.28	-0.009	07	0.49	34.306	18	05.7	34.81	17	96.6	G5		GC	26768	-19 5436
72		9.3A	21 35.130	-0.0033	21	-14 5 57.69	-0.003	15	0.34	35.184	18	33.6	57.64	16	33.6	K0	J	12A	7260	A -14 5421
73		9.3A	21 36.754	0.0001	21	-16 34 2.08	0.009	15	0.34	36.752	18	33.6	2.22	16	33.6	G5	J	12A	7259	A -16 5298
74		8.8A	21 39.327	0.0021	21	-14 43 1.46	-0.010	15	0.34	39.293	18	33.6	1.30	16	33.6	A0	J	12A	7261	A -14 5422
75		9.3A	21 42.389	0.0009	18	-16 40 48.76	-0.062	13	0.31	42.374	18	33.6	47.74	16	33.6	G5	J	12A	7262	A -16 5300
76		8.8A	21 53.049	-0.0006	15	-12 46 54.18	-0.005	17	0.31	53.058	18	33.6	54.10	16	33.6	G	J	11	6771	A -12 5387
77		7.4A	21 53.566	0.0002	18	-12 42 52.10	0.023	20	0.35	53.562	18	33.6	52.48	16	33.6	G5	J	11	6772	A -12 5388
78		7.7A	21 55.594	0.0003	20	-18 42 56.94	0.012	15	0.33	55.588	18	33.6	57.14	16	33.6	K5	J	12B	8287	A -18 5351
79		8.6A	21 57.371	-0.0022	17	-13 26 30.74	-0.058	18	0.33	57.406	18	33.6	29.79	16	33.6	K0	J	11	6773	A -13 5342
80		9.2A	21 59.418	0.0006	21	-14 44 2.91	0.021	15	0.34	59.407	18	33.6	3.25	16	33.6	A2	J	12A	7263	A -14 5425
81		9.1A	22 1.937	-0.0009	20	-18 7 48.60	-0.004	15	0.33	1.952	18	33.6	48.53	16	33.6	F0	J	12B	8288	A -18 5354
82		7.8A	22 2.690	0.0001	18	-15 7 28.76	-0.048	17	0.33	2.688	18	33.6	27.98	16	33.6	K0	J	12A	7265	A -15 5341
83		8.7A	22 5.190	0.0036	17	-11 56 24.33	-0.007	18	0.33	5.131	18	33.6	24.22	16	33.6	B9	J	11	6774	A -12 5390
84		9.2A	22 5.324	0.0010	21	-17 36 14.82	-0.087	15	0.34	5.307	18	33.6	13.39	16	33.6	F8	J	12A	7264	A -17 5617
85		9.0A	22 8.256	-0.0011	20	-18 30 23.71	-0.027	15	0.33	8.274	18	33.6	23.27	16	33.6	G0	J	12B	8290	A -18 5355
86		8.9A	22 8.482	-0.0009	18	-17 47 16.87	-0.019	13	0.31	8.497	18	33.6	16.55	16	33.6	K2	J	12A	7266	A -17 5618
87		8.9A	22 9.847	0.0001	20	-19 9 13.84	0.012	15	0.33	9.845	18	33.6	14.04	16	33.6	A2	J	12B	8291	A -19 5443
88		7.0T	22 12.465	0.0030	26	-18 39 43.51	0.009	22	1.01	12.340	18	08.3	43.89	22	09.5	F8		GC	26788	-18 5356
89		9.0A	22 18.659	0.0030	17	-13 34 3.38	0.032	18	0.33	18.610	18	33.6	3.91	16	33.6			11	6776	A -13 5344
90		7.6A	22 19.342	0.0006	17	-13 32 17.82	-0.005	18	0.33	19.332	18	33.6	17.74	16	33.6	M3	J	11	6777	A -13 5345
91		9.0A	22 22.924	0.0013	21	-16 0 31.69	0.020	15	0.34	22.902	18	33.6	32.01	16	33.6	A5	J	12A	7267	A -16 5303
92		8.4A	22 26.336	-0.0025	18	-16 56 8.29	-0.062	13	0.31	26.376	18	33.6	6.94	16	33.6	K2	J	12A	7269	A -17 5621
93		8.9A	22 27.440	0.0004	21	-17 44 33.30	0.003	15	0.34	27.434	18	33.6	33.34	16	33.6	G5	J	12A	7268	A -17 5620
94		9.0A	22 28.360	-0.0012	21	-16 50 20.74	-0.020	15	0.34	28.379	18	33.6	20.41	16	33.6	F0	J	12A	7270	A -17 5622
95		5.8T	22 32.171	0.0050	07	-13 59 52.28	0.053	06	0.27	31.972	07	10.3	54.39	07	10.2	K0		GC	26805	B*-14 5428
96		8.5A	22 32.334	-0.0027	15	-11 36 42.93	-0.093	15	0.30	32.379	18	33.6	41.41	16	33.6	G0	J	11	6778	A -11 4986
97		8.1Q	22 33.335	0.0017	08	-14 37 32.04	-0.002	07	0.41	33.256	18	03.1	31.93	17	97.4	K0		GC	26808	-14 5427
98		9.0A	22 34.618	-0.0012	15	-10 53 6.28	-0.001	17	0.31	34.638	18	33.6	6.27	16	33.6	F2	J	11	6779	A -11 4987
99		9.1A	22 36.438	-0.0001	20	-19 28 42.36	0.011	15	0.33	36.440	18	33.6	42.54	16	33.6	K2	J	12B	8297	A -19 5446
00		8.8A	22 46.642	-0.0013	18	-19 16 21.68	-0.011	13	0.31	46.663	18	33.6	21.50	16	33.6	A5	J	12B	8299	A -19 5448

-10° 19H

162600			EPOCH 1950										ORIGINAL EPOCH							SP.	SOURCE		-10° 19H
NUMBER	MAGNITUDES		α_{1950}		μ	σ_μ	δ_{1950}		μ'	$\sigma_{\mu'}$	σ_{1950}		α_2	σ	ep.	δ_2	σ'	ep.			CAT.	STAR NUMBER	
	m_{pg}	m_v	h m	s	s	″.001	°	′ ″	″	″.001	″		s	″.01		″	″.01						DM NUMBER
1		8.8A	19	22	52.846	0.0028	-12	45	26.19	-0.010	18	0.33	52.800	18	33.6	26.03	16	33.6	G0	J	11	6780	A -12 5393
2		9.2A		22	55.106	-0.0020	21	-16	41	8.52	-0.019	15	0.34	55.138	18	33.6	8.20	16	33.6	G0	J	12A	7273	A -16 5307
3		8.7A		22	59.718	0.0024	21	-15	45	28.87	-0.019	15	0.34	59.679	18	33.6	28.55	16	33.6	K0	J	12A	7274	A -15 5346
4		8.6A		23	3.945	0.0000	15	-11	19	3.24	0.017	15	0.30	3.944	18	33.6	3.52	16	33.6	K5	J	11	6781	A -11 4990
5		9.1A		23	7.971	-0.0009	17	-10	53	55.75	-0.067	18	0.33	7.986	18	33.6	54.65	16	33.6	F5	J	11	6783	A -11 4991
6		9.2A		23	10.006	0.0000	21	-13	47	8.73	0.013	15	0.34	10.006	18	33.6	8.95	16	33.6	G5	J	12A	7275	A -13 5352
7		9.2A		23	12.630	-0.0002	18	-12	1	11.17	0.020	20	0.35	12.632	18	33.6	11.50	16	33.6	K7	J	11	6785	A -12 5395
8		8.4A		23	15.476	0.0002	18	-11	22	12.73	-0.022	20	0.35	15.472	18	33.6	12.37	16	33.6	A3	J	11	6786	A -11 4992
9		5.7T		23	20.389	0.0014	04	-15	9	13.62	0.010	04	0.24	20.321	10	01.6	14.11	10	98.3	B8		GC	26824	-15 5348
10		8.8A		23	26.447	-0.0001	21	-15	18	12.32	-0.005	15	0.34	26.449	18	33.6	12.23	16	33.6	K2	J	12A	7277	A -15 5349
11		9.0A		23	28.759	-0.0004	21	-17	14	4.08	-0.020	15	0.34	28.767	18	33.6	3.75	16	33.6	B8	J	12A	7278	A -17 5629
12		8.6A		23	29.465	0.0034	18	-12	23	17.09	0.023	20	0.35	29.410	18	33.6	17.47	16	33.6	M1	J	11	6787	A -12 5398
13		8.4A		23	31.956	0.0011	18	-11	43	20.19	0.035	20	0.35	31.938	18	33.6	20.77	16	33.6	K0	J	11	6789	A -11 4997
14		9.0A		23	32.637	0.0007	17	-12	40	29.75	-0.021	18	0.33	32.626	18	33.6	29.41	16	33.6	M1	J	11	6788	A -12 5399
15		6.6T		23	34.413	0.0025	05	-14	39	7.23	-0.007	04	0.26	34.291	14	01.0	6.84	12	94.6	A0		GC	26831	-14 5435
16		8.7A		23	35.982	-0.0011	15	-13	22	21.16	-0.010	17	0.31	35.999	18	33.6	21.00	16	33.6	M0	J	11	6790	A -13 5355
17		9.1A		23	38.994	0.0037	18	-13	13	58.07	0.014	20	0.35	38.933	18	33.6	58.30	16	33.6	G5	J	11	6791	A -13 5356
18		9.4A		23	39.621	-0.0021	18	-13	14	3.90	-0.029	20	0.35	39.655	18	33.6	3.42	16	33.6	G5	J	11	6792	A -13 5356
19		9.0A		23	43.841	0.0010	15	-12	36	14.34	-0.003	15	0.30	43.825	18	33.6	14.30	16	33.6	K0	J	11	6793	A -12 5400
20		9.2A		23	46.757	0.0017	17	-15	59	50.46	0.006	13	0.30	46.729	18	33.6	50.55	16	33.6	M1	J	12A	7280	A -16 5310
21		8.7A		23	52.469	0.0002	15	-11	11	53.57	0.009	15	0.30	52.465	18	33.6	53.72	16	33.6	B9	J	11	6794	A -11 4999
22		8.8A		23	53.574	-0.0007	21	-16	53	4.85	-0.022	15	0.34	53.584	18	33.6	4.49	16	33.6	A3	J	12A	7281	A -17 5633
23		9.2A		24	0.559	0.0036	18	-15	39	7.96	0.013	13	0.31	0.500	18	33.6	8.16	16	33.6	K	J	12A	7282	A -15 5352
24		9.0A		24	4.061	0.0009	21	-14	15	17.73	0.009	15	0.34	4.047	18	33.6	17.88	16	33.6	G5	J	12A	7284	A -14 5437
25		9.0A		24	4.763	0.0016	21	-16	24	18.38	-0.011	15	0.34	4.736	18	33.6	18.19	16	33.6	A3	J	12A	7283	A -16 5311
26		9.1A		24	6.168	0.0011	20	-18	8	52.80	-0.004	15	0.33	6.151	18	33.6	52.73	16	33.6	G5	J	12B	8311	A -18 5367
27		8.8A		24	7.316	0.0006	21	-15	23	38.78	-0.002	15	0.34	7.306	18	33.6	38.76	16	33.6	K2	J	12A	7285	A -15 5353
28		8.6A		24	11.248	0.0009	13	-10	21	6.01	-0.010	15	0.29	11.233	18	33.6	5.85	16	33.6	F5	J	11	6795	A -10 5078
29		9.3A		24	14.727	-0.0018	18	-15	24	12.05	-0.010	13	0.31	14.757	18	33.6	11.88	16	33.6	K0	J	12A	7286	A -15 5354
30		9.0A		24	21.536	-0.0003	15	-11	28	59.73	0.008	17	0.31	21.541	18	33.6	59.86	16	33.6	K0	J	11	6796	A -11 5003
31		9.2A		24	21.954	0.0020	21	-16	26	39.99	-0.035	15	0.34	21.922	18	33.6	39.41	16	33.6	A0	J	12A	7287	A -16 5313
32		9.0A		24	22.653	0.0016	21	-15	52	41.48	-0.022	15	0.34	22.626	18	33.6	41.11	16	33.6	G0	J	12A	7288	A -16 5314
33		9.0A		24	29.626	0.0002	21	-16	19	47.93	-0.017	15	0.34	29.623	18	33.6	47.64	16	33.6	A2	J	12A	7289	A -16 5316
34		8.3A		24	32.428	0.0023	21	-15	24	49.56	-0.029	15	0.34	32.390	18	33.6	49.09	16	33.6	A5	J	12A	7290	A -15 5357
35		9.1A		24	34.924	-0.0014	20	-19	18	23.50	-0.021	15	0.33	34.947	18	33.6	23.16	16	33.6	F8	J	12B	8314	A -19 5457
36		8.8A		24	42.925	-0.0034	21	-16	33	16.01	-0.068	15	0.34	42.980	18	33.6	14.89	16	33.6	G0	J	12A	7291	A -16 5318
37		7.3T		24	45.612	0.0002	05	-18	27	9.56	-0.019	05	0.27	45.603	10	03.3	8.59	10	98.8	F5		GC	26859	B#-18 5373
38		8.5A		24	50.740	-0.0022	15	-10	11	18.59	-0.028	17	0.31	50.776	18	33.6	18.13	16	33.6	F5	J	11	6797	A -10 5082
39		8.5A		24	52.420	0.0016	20	-18	52	11.75	0.022	15	0.33	52.393	18	33.6	12.12	16	33.6	G5	J	12B	8318	A -19 5460
40		9.2A		24	58.917	0.0017	15	-12	31	47.90	-0.024	17	0.31	58.869	18	33.6	47.51	16	33.6	G0	J	11	6798	A -12 5406
41		8.7A		25	7.512	0.0041	13	-13	37	34.25	-0.027	15	0.29	7.445	18	33.6	33.81	16	33.6	G0	J	11	6799	A -13 5362
42		8.4A		25	7.689	0.0003	20	-19	26	43.50	-0.006	15	0.33	7.684	18	33.6	43.40	16	33.6	G5	J	12B	8322	A -19 5462
43		6.9T		25	10.802	0.0007	04	-18	27	42.72	-0.000	04	0.23	10.768	07	00.5	42.71	09	99.6	K2		GC	26870	B#-18 5376
44		8.8A		25	18.457	0.0004	15	-12	31	58.05	-0.026	17	0.31	18.452	18	33.6	57.63	16	33.6	F2	J	11	6800	A -12 5408
45		9.1A		25	19.655	-0.0002	15	-10	12	54.05	0.012	17	0.31	19.657	18	33.6	54.25	16	33.6	M0	J	11	6801	A -10 5086
46		9.0A		25	20.572	-0.0017	17	-16	18	53.33	-0.027	13	0.30	20.599	18	33.6	52.88	16	33.6	K0	J	12A	7292	A -16 5320
47		9.0A		25	26.363	0.0015	21	-14	47	17.40	0.008	15	0.34	26.357	18	33.6	17.52	16	33.6	G5	J	12A	7293	A -14 5439
48		9.0A		25	33.789	0.0008	20	-17	49	37.93	0.012	15	0.33	33.775	18	33.6	38.12	16	33.6	K0	J	12B	8326	A -18 5378
49		8.9A		25	40.363	-0.0002	20	-17	56	20.61	-0.008	15	0.33	40.366	18	33.6	20.47	16	33.6	B9	J	12B	8327	A -18 5380
50		8.7A		25	41.238	0.0013	15	-11	15	30.44	-0.016	15	0.30	41.217	18	33.6	30.18	16	33.6	F5	J	11	6803	A -11 5009
51		6.7T	19	23	44.750	-0.0001	07	-15	12	20.32	-0.002	06	0.39	44.755	17	95.1	20.18	15	93.0	B3		GC	26882	-15 5362
52		8.4A		23	47.148	0.0006	21	-14	15	49.17	0.029	15	0.34	47.138	18	33.6	49.65	16	33.6	G5	J	12A	7297	A -14 5441
53		9.1A		23	49.863	0.0004	20	-19	49	39.34	0.019	15	0.33	49.856	16	33.6	39.65	16	33.6	M2	J	13A	8328	A -20 5566
54		9.1A		23	51.439	0.0009	15	-12	15	49.23	-0.014	17	0.31	51.423	18	33.6	49.00	16	33.6	G5	J	11	6804	A -12 5411
55		7.7A		23	53.248	0.0016	15	-10	27	1.18	0.009	15	0.30	53.221	18	33.6	1.33	16	33.6	K5	J	11	6805	A -10 5089
56		8.8A		23	55.389	0.0015	21	-16	13	58.94	-0.019	15	0.34	55.364	18	33.6	58.62	16	33.6	M3	J	12A	7298	A -16 5324
57		8.8A		23	58.360	-0.0007	21	-16	37	16.09	0.009	15	0.34	58.371	18	33.6	16.23	16	33.6	K5	J	12A	7299	A -16 5325
58		9.2A		26	10.622	0.0020	21	-17	40	27.65	-0.004	15	0.34	10.590	18	33.6	27.58	16	33.6	K0	J	12A	7300	A -17 5643
59		9.0A		26	11.008	0.0012	20	-18	10	14.46	-0.009	13	0.32	10.988	18	33.6	14.31	16	33.6	K5	J	12B	8330	A -18 5381
60		9.0A		26	16.475	0.0008	20	-19	51	4.41	0.002	15	0.33	16.462	16	33.6	4.44	16	33.6	M1	J	13A	8332	A -20 5572
61		9.0A		26	21.245	0.0019	20	-18	5	59.83	-0.017	15	0.33	21.214	18	33.6	59.55	16	33.6	G0	J	12B	8333	A -18 5384
62		8.9A		26	23.139	0.0022	13	-12	14	43.87	-0.005	15	0.29	23.123	18	33.6	43.79	16	33.6	G5	J	11	6806	A -12 5412
63		9.1A		26	23.914	-0.0005	18	-16	31	15.89	-0.008	13	0.31	23.923	18	33.6	15.75	16	33.6	F2	J	12A	7301	A -16 5329
64		8.9A		26	31.070	0.0015	15	-12	42	49.38	-0.000	17	0.31	31.047	18	33.6	49.38	16	33.6	A0	J	11	6807	A -12 5414
65		8.8A		26	31.191	0.0034	20	-18	57	35.43	-0.005	15	0.33	31.135	18	33.6	35.35	16	33.6	F5	J	12B	8334	A -19 5471
66		8.7A		26	38.339	0.0011	15	-12	38	4.97	0.007	17	0.31	38.321	18	33.6	5.09	16	33.6	G5	J	11	6808	A -12 5415
67		8.9A		26	41.504	0.0005	15	-13	10	42.75	0.004	17	0.31	41.495	18	33.6	42.81	16	33.6	A2	J	11	6809	A -13 5373
68		9.2A		26	41.880	0.0007	20	-19	21	49.86	0.037	15	0.33	41.869	18	33.6	50.47	16	33.6	A0	J	12B	8335	A -19 5474
69		7.0T		26	42.978	0.0016	09	-15	27	48.48	-0.012	08	0.52	42.884	19	91.5	47.73	17	89.9	A0		GC	26906	-15 5366
70		9.1A		26	44.414	0.0005	13	-11	7	23.35	0.008	15	0.29	44.405	18	33.6	23.48	16	33.6	A0	J	11	6810	A -11 5014
71		8.7A		26	45.119	-0.0005	18	-19	35	44.37	0.005	13	0.31	45.128	18	33.6	44.45	16	33.6	K5	J	12B	8337	A -19 5475
72		9.2A		26	49.429	-0.0034	18	-16	15	12.59	-0.023	13	0.31	49.485	18	33.6	12.20	16	33.6	M4	J	12A	7303	A -16 5332
73		9.1A		26	49.856	0.0015	20	-18	8	6.89	0.030	15	0.33	49.831	18	33.6	7.37	16	33.6	A0	J	12B	8338	A -18 5386
74		6.9T		26	49.904	0.0095	13	-12	45	3.89	-0.049	13	0.67	49.445	21	01.8	1.50	21	01.2	F8		GC	26913K	B#-12 5417
75		9.0A		26	51.032	0.0018	17	-18	11	5.32	-0.015	12	0.29	51.002	18	33.6	5.07	16	33.6	G0	J	12B	8339	A -18 5388
76		8.8A		26	53.404	-0.0003	21	-14	0	1.14	0.016	15	0.34	53.409	18	33.6	1.44	16	33.6	A2	J	12A	7304	A -14 5445
77		9.1A		26	54.883	-0.0009	15	-12	6	34.61	-0.007	15	0.30	54.898	18	33.6	34.50	16	33.6	F8	J	11	6812	A -12 5418
78		8.6A		27	0.829	0.0019	21	-14	6	34.15	0.025	15	0.34	0.798	18	33.6	34.56	16	33.6	A0	J	12A	7305	A -14 5446
79		8.5A		27	2.933	0.0032	18	-11	8	5.44	0.011	20	0.35	2.881	18	33.6	5.62	16	33.6	K0	J	11	6813	A -11 5015
80		8.6A		27	6.928	-0.0022	20	-19	39	31.98	-0.006	15	0.33	6.964	18	33.6	31.88	16	33.6	A5	J	12B	8340	A -19 5479
81		8.8A		27	9.772	-0.0001	20	-17	39	57.26	-0.011	15	0.33	9.773	18	33.6	57.08	16	33.6	K0	J	12B	8342	A -17 5647
82		8.6A		27	10.334	-0.0010	21	-16	4	50.01	-0.031	15	0.34	10.350	18	33.6	49.49	16	33.6	A0	J	12A	7307	A -16 5333
83		9.0A		27	10.803	0.0021	21	-15	19	54.35	-0.017	15	0.34	10.768	18	33.6	54.07	16	33.6	F8	J	12A	7308	A -15 5367
84		8.6A		27	12.833	0.0018	15	-12	58	51.51	0.016	17	0.31	12.803	18	33.6	51.77	16	33.6	A5	J	11	6814	A -13 5375
85		8.2A		27	14.302	-0.0006	20	-18	20	53.02	-0.013	15	0.33	14.311	18	33.6	52.80	16	33.6	A3	J	12B	8344	A -18 5389
86		8.5A		27	14.413	0.0018	15	-12	41	6.98	-0.005	17	0.31	14.383	18	33.6	6.89	16	33.6	K0	J	11	6815	A -12 5420
87		9.2A		27	14.481	0.0024	21	-11	56	57.42	0.053	22	0.39	14.442	18	33.6	58.29	16	33.6	G5	J	11	6816	A -12 5419
88		9.1A		27	16.075	0.0012	15	-12	33	50.39	-0.020	17	0.31	16.055	18	33.6	50.06	16	33.6	G0	J	11	6818	A -12 5421
89		8.5A		27	16.433	0.0035	15	-13	33	7.74	0.023	15	0.30	16.376	18	33.6	8.12	16	33.6	G5	J	11	6817	A -13 5376
90		7.7A		27	17.147	0.0019	17	-11	3	7.53	0.014	18	0.33	17.115	18	33.6	7.76	16	33.6	K0	J	11	6820	A -11 5018
91		9.0A		27	17.700	-0.0014	21	-15	24	47.48	-0.009	15	0.34	17.723	18	33.6	47.34	16	33.6	F5	J	12A	7309	A -15 5368
92		9.2A		27	24.965	0.0021	21	-16	15	27.51	-0.028	15	0.34	24.930	18	33.6	27.04	16	33.6	K2	J	12A	7310	A -16 5335
93		9.0A		27	28.259	0.0029	20	-18	40	30.95	-0.034	15	0.33	28.212	18	33.6	30.40	16	33.6	G0	J	12B	8347	A -18 5391
94		9.2A		27	29.337	-0.0019	21	-11	39	51.96	-0.070	22	0.39	29.367	18	33.6	50.81	16	33.6	K2	J	11	6821	
95		9.3A		27	35.920	-0.0006	18	-13	54	7.19	-0.060	13	0.31	35.930	18	33.6	6.21	16	33.6	F5	J	12A	7311	A -14 5448
96		8.0A		27	37.830	-0.0010	15	-10	36	30.09	-0.015	17	0.31	37.847	18	33.6	29.84	16	33.6	B9	J	11	6823	A -10 5097
97		8.8A		27	39.488	0.0011	20	-18	19	51.11	0.001	15	0.33	39.469	18	33.6	51.12	16	33.6	K0	J	12B	8348	A -18 5395
98		9.4A		27	41.832	-0.0001	17	-10	26	49.76	-0.011	17	0.32	41.833	18	33.6	49.58	16	33.6			11	6824	
99		8.0A		27	46.723	0.0019	20	-18	25	45.02	0.003	15	0.33	46.692	18	33.6	45.06	16	33.6	K0	J	12B	8349	A -18 5396
00		8.7A		27	49.284	-0.0000	21	-11	40	1.79	-0.116	22	0.39	49.284	18	33.6	59.89	16	33.6	G0	J	11	6825	A -11 5022

162700 — EPOCH 1950 — ORIGINAL EPOCH — -10° 19H

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	DM NUMBER
1		8.9A	19 27 49.740	-0.0021	17	-11 21 26.62	-0.047	18	0.33	49.773	18	33.6	25.85	16	33.6	K0 J	11	6826	A -11 5023
2		8.3A	27 34.220	-0.0006	21	-17 18 23.95	0.012	15	0.34	34.229	18	33.6	24.14	16	33.6	K0 J	12A	7312	A -17 5649
3		7.8A	27 34.991	0.0010	21	-16 16 20.75	0.004	15	0.34	34.974	18	33.6	20.81	16	33.6	B5 J	12A	7313	A -16 5337
4		9.2A	27 35.139	0.0006	17	-13 1 4.16	0.044	18	0.33	35.129	18	33.6	4.89	16	33.6	F2 J	11	6827	A -13 5380
5		8.8A	27 36.224	0.0003	17	-10 23 47.51	0.009	18	0.33	36.218	18	33.6	47.66	16	33.6	K0 J	11	6829	A -10 5099
6		8.3A	27 37.489	-0.0001	15	-11 37 56.54	-0.000	17	0.31	37.490	18	33.6	56.54	16	33.6	A0 J	11	6828	A -12 5425
7		8.8A	28 1.347	-0.0011	21	-16 51 33.91	-0.008	15	0.34	1.365	18	33.6	33.77	16	33.6	K0 J	12A	7314	A -17 5650
8		8.4A	28 2.883	0.0040	21	-17 20 28.82	-0.053	15	0.34	2.818	18	33.6	27.94	16	33.6	G0 J	12A	7315	A -17 5651
9		8.8A	28 7.082	0.0021	18	-13 5 15.26	0.005	20	0.35	7.046	18	33.6	15.35	16	33.6	K0 J	11	6830	A -13 5384
10		8.2A	28 8.312	-0.0001	21	-14 40 8.78	0.034	15	0.34	8.314	18	33.6	9.33	16	33.6	K0 J	12A	7316	A -14 5450
11		8.2A	28 8.558	-0.0015	18	-13 29 15.69	-0.044	20	0.35	8.582	18	33.6	14.96	16	33.6	G5 J	11	6831	A -13 5385
12		6.9T	28 11.380	0.0062	16	-11 35 25.02	-0.002	14	0.72	11.097	21	04.7	24.93	19	03.8	F5	GC	26940	-11 5025
13		8.9A	28 15.126	-0.0011	15	-10 44 18.20	-0.020	17	0.31	15.144	18	33.6	17.87	16	33.6	K5 J	11	6834	A -10 5101
14		8.8A	28 23.738	0.0009	21	-16 30 13.74	-0.014	15	0.34	23.723	18	33.6	13.51	16	33.6	A0 J	12A	7317	A -16 5340
15		8.4A	28 23.976	0.0023	17	-12 34 13.06	0.018	18	0.33	23.938	18	33.6	13.36	16	33.6	G5 J	11	6835	A -12 5427
16		8.8A	28 25.345	0.0032	17	-11 7 1.18	0.027	18	0.33	25.293	18	33.6	1.62	16	33.6	K0 J	11	6836	A -11 5026
17		8.6A	28 25.734	-0.0004	17	-10 29 15.19	0.033	18	0.33	25.740	18	33.6	15.73	16	33.6	K0 J	11	6837	A -10 5102
18		9.0A	28 31.921	-0.0013	20	-17 46 47.03	-0.029	15	0.33	31.943	18	33.6	46.55	16	33.6	F8 J	12B	8358	A -17 5655
19		8.4A	28 35.801	0.0002	21	-14 5 4.23	0.007	15	0.34	35.797	18	33.6	4.35	16	33.6	K0 J	12A	7319	A -14 5452
20		9.0A	28 38.561	0.0010	15	-12 33 24.87	0.026	15	0.30	38.545	18	33.6	25.29	16	33.6	K0 J	11	6838	A -12 5430
21		9.0A	28 39.349	-0.0014	18	-10 31 5.66	0.049	20	0.35	39.371	18	33.6	6.46	16	33.6	K0 J	11	6839	A -10 5103
22		9.2A	28 45.426	0.0022	21	-17 26 15.21	-0.021	15	0.34	45.389	18	33.6	14.86	16	33.6	K2 J	12A	7320	A -17 5657
23		7.3T	28 46.985	0.0011	12	-19 29 35.77	-0.015	13	0.60	46.933	10	03.0	35.07	12	02.6	K2	GC	26957	-19 5492
24		8.4A	28 48.657	0.0002	21	-17 20 14.16	-0.001	15	0.34	48.654	18	33.6	14.14	16	33.6	B8 J	12A	7321	A -17 5658
25		9.0A	28 50.052	0.0002	21	-14 35 48.68	0.014	15	0.34	50.049	18	33.6	48.91	16	33.6	B8 J	12A	7322	A -14 5455
26		9.0A	28 58.457	0.0019	17	-12 30 20.48	0.014	18	0.33	58.425	18	33.6	20.71	16	33.6	G5 J	11	6840	A -12 5432
27		8.8A	29 2.043	0.0020	20	-18 45 46.28	0.018	15	0.33	2.011	18	33.6	46.58	16	33.6	M1 J	12B	8360	A -18 5404
28		8.6A	29 6.548	-0.0004	21	-16 55 14.26	-0.083	15	0.34	6.555	18	33.6	12.89	16	33.6	G5 J	12A	7323K	A -17 5659
29		9.2A	29 14.489	-0.0010	18	-14 49 7.07	-0.003	13	0.31	14.505	18	33.6	7.02	16	33.6	F5 J	12A	7324	A -15 5379
30		7.5T	29 19.732	0.0153	16	-11 22 56.82	0.028	13	0.61	19.125	18	10.5	57.97	17	09.2	G5	GC	26969	-11 5030
31		9.3A	29 20.614	0.0032	15	-10 41 20.76	-0.022	17	0.31	20.562	18	33.6	20.40	16	33.6	A0 J	11	6844	A -10 5106
32		9.0A	29 21.790	-0.0002	18	-12 7 6.68	0.007	20	0.35	21.793	18	33.6	6.80	16	33.6	F0 J	11	6843	A -12 5438
33		8.8A	29 25.308	-0.0001	15	-12 48 48.00	-0.007	17	0.31	25.309	18	33.6	47.89	16	33.6	G5 J	11	6845	A -13 5390
34		8.9A	29 25.444	0.0018	18	-12 29 54.84	-0.014	20	0.35	25.414	18	33.6	54.61	16	33.6	G5 J	11	6846	A -12 5439
35		9.0A	29 30.767	0.0028	20	-19 48 27.88	0.019	15	0.33	30.721	16	33.6	28.19	16	33.6	F5 J	13A	8363	A -20 5594
36		9.2A	29 33.014	0.0014	21	-15 2 12.97	-0.036	15	0.34	32.992	18	33.6	12.37	16	33.6	G0 J	12A	7325	A -15 5380
37		9.0A	29 33.844	0.0005	15	-10 59 9.38	-0.015	15	0.30	33.835	18	33.6	9.13	16	33.6	F8 J	11	6847	A -11 5032
38		8.6A	29 34.474	0.0033	17	-10 5 22.56	-0.018	18	0.33	34.420	18	33.6	22.27	16	33.6	K2 J	11	6848	A -10 5108
39		8.2A	29 34.751	0.0009	21	-15 51 32.95	-0.011	15	0.34	34.735	18	33.6	32.76	16	33.6	A2 J	12A	7326	A -16 5344
40		9.3A	29 36.850	-0.0014	18	-16 22 48.56	-0.024	13	0.31	38.873	18	33.6	48.16	16	33.6	A0 J	12A	7327	A -16 5345
41		9.0A	29 41.444	-0.0002	21	-14 25 56.10	-0.003	15	0.34	41.447	18	33.6	56.05	16	33.6	K0 J	12A	7328	A -14 5457
42		9.1A	29 45.793	0.0026	21	-14 42 31.96	0.014	15	0.34	45.749	18	33.6	32.19	16	33.6	K2 J	12A	7330	A -14 5458
43		9.2A	29 46.999	0.0012	21	-16 25 40.66	0.006	15	0.34	46.980	18	33.6	40.75	16	33.6	G0 J	12A	7329	A -16 5346
44		9.0A	29 58.931	0.0013	21	-15 25 52.25	-0.024	15	0.34	58.910	18	33.6	51.85	16	33.6	A2 J	12A	7331	A -15 5382
45		8.4A	30 11.262	0.0020	15	-11 54 36.19	-0.040	17	0.31	11.230	18	33.6	35.53	16	33.6	K0 J	11	6849	A -12 5443
46		8.9A	30 16.978	0.0001	20	-19 22 49.78	0.047	15	0.33	16.977	18	33.6	50.55	16	33.6	F8 J	12B	8365	A -19 5499
47		8.0A	30 24.980	-0.0012	21	-15 6 55.97	-0.044	15	0.34	24.999	18	33.6	55.25	16	33.6	F8 J	12A	7332	A -15 5386
48		7.4A	30 28.164	0.0013	21	-16 43 6.33	-0.019	15	0.34	28.143	18	33.6	6.02	16	33.6	M2 J	12A	7333	A -16 5351
49		8.6A	30 28.489	0.0004	21	-13 53 52.32	0.013	15	0.34	28.483	18	33.6	52.53	16	33.6	F8 J	12A	7335	A -14 5461
50		9.0A	30 30.559	-0.0014	21	-17 9 52.56	-0.015	15	0.34	30.583	18	33.6	52.32	16	33.6	G5 J	12A	7334	A -17 5665
51		9.2A	19 30 33.406	-0.0001	21	-14 51 51.13	-0.008	15	0.34	33.408	18	33.6	51.00	16	33.6	A0 J	12A	7336	A -15 5387
52		8.5A	30 36.652	0.0016	15	-11 28 53.09	0.010	17	0.31	36.625	18	33.6	53.26	16	33.6	K0 J	11	6851	A -11 5037
53		8.5Q	30 40.077	0.0012	10	-18 43 20.87	0.007	08	0.48	40.022	18	03.6	21.22	17	99.4	A5	GC	27004K	-18 5413
54		9.1A	30 41.807	-0.0010	21	-16 55 47.03	0.008	15	0.34	41.823	18	33.6	47.16	16	33.6	K2 J	12A	7337	A -17 5666
55		9.1A	30 44.780	0.0019	15	-10 8 58.41	-0.002	17	0.31	44.749	18	33.6	58.38	16	33.6	A0 J	11	6852	A -10 5111
56		8.9A	30 47.279	0.0018	21	-14 34 6.77	0.028	15	0.34	47.249	18	33.6	7.23	16	33.6	K2 J	12A	7338	A -14 5462
57		8.8A	30 50.270	0.0037	15	-13 15 25.67	0.016	15	0.30	50.210	18	33.6	25.93	16	33.6	K0 J	11	6853	A -13 5395
58		8.8A	30 50.431	0.0010	20	-18 58 9.28	0.014	15	0.33	50.414	18	33.6	9.51	16	33.6	G0 J	12B	8368	A -19 5503
59		8.8A	30 51.439	0.0004	15	-10 34 14.46	0.021	15	0.30	51.433	18	33.6	14.81	16	33.6	K2 J	11	6854	A -10 5112
60		9.2A	30 55.357	0.0012	20	-19 50 13.87	-0.019	15	0.33	55.338	16	33.6	13.56	16	33.6	A0 J	13A	8369	A -20 5603
61		9.0A	30 58.051	0.0023	15	-12 7 5.00	0.027	15	0.30	58.013	18	33.6	5.44	16	33.6	G5 J	11	6855	A -12 5449
62		9.5A	30 58.833	-0.0057	20	-19 51 8.77	-0.020	15	0.33	58.926	16	33.6	8.45	16	33.6		13A	8371	A -20 5605
63		9.0A	30 59.175	-0.0018	18	-11 42 10.42	-0.007	20	0.35	59.205	18	33.6	10.31	16	33.6	A2 J	11	6856	A -11 5040
64		8.4A	30 59.215	0.0012	21	-15 56 1.20	-0.001	15	0.34	59.195	18	33.6	1.19	16	33.6	K0 J	12A	7340	A -16 5356
65		9.3A	31 0.230	0.0004	20	-17 46 51.73	-0.005	15	0.33	0.224	18	33.6	51.66	16	33.6	G0 J	12B	8373	A -17 5669
66		9.0A	31 3.282	0.0016	18	-14 6 13.76	-0.001	13	0.31	3.257	18	33.6	13.75	16	33.6	K7 J	12A	7341	A -14 5464
67		9.2A	31 10.403	-0.0006	18	-15 9 40.13	0.007	13	0.31	10.413	18	33.6	40.25	16	33.6		12A	7343	A -15 5392
68		9.1A	31 11.524	0.0001	18	-13 5 3.05	-0.001	20	0.35	11.522	18	33.6	3.03	16	33.6	A2 J	11	6857	A -13 5397
69		9.0A	31 13.743	0.0020	15	-11 54 7.52	-0.009	17	0.31	13.711	18	33.6	7.37	16	33.6	G5 J	11	6858	A -12 5452
70		8.4A	31 13.794	0.0024	20	-19 40 49.53	-0.043	15	0.33	13.754	16	33.6	48.83	16	33.6	K0 J	13A	8376	A -19 5505
71		9.2A	31 15.222	0.0025	21	-17 3 44.03	0.004	15	0.34	15.181	18	33.6	44.10	16	33.6	K0 J	12A	7344	A -17 5671
72		8.6A	31 16.034	-0.0017	21	-17 25 39.83	-0.023	15	0.34	16.062	18	33.6	39.45	16	33.6	K0 J	12A	7345	A -17 5672
73		9.1A	31 21.246	-0.0004	20	-17 59 32.71	0.010	15	0.33	21.253	18	33.6	32.89	16	33.6	G0 J	12B	8377	A -18 5417
74		7.6T	31 23.012	0.0065	20	-16 25 24.39	-0.176	15	0.82	22.722	19	05.1	16.04	18	02.5	G0	GC	27022	-16 5359
75		8.6A	31 24.323	0.0008	15	-10 30 18.23	-0.044	15	0.30	24.310	18	33.6	17.51	16	33.6	F8 J	11	6859	A -10 5115
76		9.0A	31 25.007	-0.0006	21	-14 55 52.61	0.004	15	0.34	25.018	18	33.6	52.68	16	33.6	K5 J	12A	7347	A -15 5396
77		8.5A	31 27.098	-0.0009	21	-16 29 2.23	0.010	15	0.34	27.113	18	33.6	2.39	16	33.6	N8 J	12A	7348	A -16 5360
78		9.4A	31 28.107	0.0007	21	-15 56 24.29	-0.012	15	0.34	28.096	18	33.6	24.10	16	33.6	F8 J	12A	7349	A -16 5361
79		8.6A	31 29.364	0.0035	21	-15 11 12.42	-0.026	15	0.34	29.306	18	33.6	11.99	16	33.6	K5 J	12A	7350	A -15 5397
80		8.7A	31 36.669	-0.0007	17	-11 23 7.58	0.037	18	0.33	36.680	18	33.6	8.19	16	33.6	F8 J	11	6861	A -11 5044
81		8.0A	31 38.693	-0.0117	15	-13 2 7.41	-0.103	17	0.31	38.884	18	33.6	5.72	16	33.6	G0 J	11	6860	A -13 5399
82		9.0A	31 40.830	0.0016	20	-18 16 58.37	-0.007	15	0.33	40.805	18	33.6	58.26	16	33.6	K0 J	12B	8379	A -18 5419
83		8.9A	31 42.232	0.0024	15	-10 24 35.49	0.002	17	0.31	42.193	18	33.6	35.52	16	33.6	G5 J	11	6863	A -10 5116
84		9.2A	31 43.790	0.0029	21	-17 8 54.12	-0.001	15	0.34	43.743	18	33.6	54.10	16	33.6	F2 J	12A	7351	A -17 5673
85		9.0A	31 44.042	-0.0038	17	-13 23 15.95	0.023	18	0.33	44.104	18	33.6	16.33	16	33.6	G0 J	11	6862	A -13 5400
86		8.0A	31 45.204	0.0006	15	-12 14 35.94	0.006	17	0.31	45.194	18	33.6	36.04	16	33.6	K2 J	11	6864	A -12 5456
87		8.9A	31 49.517	0.0004	20	-18 12 40.51	-0.017	15	0.33	49.511	18	33.6	40.24	16	33.6	A0 J	12B	8381	A -18 5420
88		9.0A	31 56.884	0.0001	15	-10 27 13.86	0.002	17	0.31	56.882	18	33.6	13.89	16	33.6	A2 J	11	6865	A -10 5118
89		8.5A	32 1.753	0.0029	18	-18 52 36.24	0.034	12	0.30	1.705	18	33.6	36.80	16	33.6	K0 J	12B	8382	A -19 5511
90		9.1A	32 3.515	0.0025	18	-14 43 21.36	0.003	13	0.31	3.475	18	33.6	21.41	16	33.6	G5 J	12A	7352	A -14 5466
91		8.4A	32 4.647	0.0024	15	-11 17 4.47	-0.005	17	0.31	4.608	18	33.6	4.39	16	33.6	K2 J	11	6866	A -11 5048
92		5.2T	32 21.954	0.0005	03	-10 40 16.41	-0.003	03	0.21	21.929	10	96.4	16.24	09	89.8	G5	GC	27046	B*-10 5122
93		8.9A	32 23.055	0.0019	20	-19 41 26.11	-0.008	15	0.33	23.023	16	33.6	25.98	16	33.6	G5 J	13A	8383	A -19 5513
94		8.8A	32 23.391	0.0005	20	-19 53 46.29	-0.010	15	0.33	23.382	16	33.6	46.13	16	33.6	K2 J	13A	8384	A -20 5614
95		9.0A	32 40.127	0.0005	15	-10 52 51.36	0.049	15	0.30	40.118	18	33.6	52.17	16	33.6	G5 J	11	6868	A -11 5050
96		9.0A	32 44.799	-0.0007	18	-19 53 0.82	-0.022	12	0.30	44.811	16	33.6	0.46	16	33.6	K0 J	13A	8387	A -20 5616
97		6.3T	32 46.407	0.0008	13	-12 21 49.69	-0.006	13	0.70	46.368	18	98.9	49.39	15	98.0	K0	GC	27059	-12 5461
98		9.3A	32 54.149	-0.0030	18	-14 18 15.44	-0.032	13	0.31	54.198	18	33.6	14.93	16	33.6	G0 J	12A	7353	A -14 5470
99		9.0A	32 54.686	-0.0008	15	-11 48 4.90	0.051	17	0.31	54.699	18	33.6	5.74	16	33.6	K7 J	11	6870	A -12 5463
00		8.7A	32 57.505	0.0003	20	-19 30 29.30	0.004	15	0.33	57.500	18	33.6	29.37	16	33.6	K2 J	12B	8389	A -19 5515

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EPOCH 1950 | ORIGINAL EPOCH | SOURCE | -10° 19H

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	CAT.	STAR NUMBER	DM NUMBER
1		9.4A	19 32 58.542	-0.0022	17	-15 40 15.84	-0.038	15	0.31	58.578	18	33.6	15.22	16	33.6	KO J	12A	7354	A -15 5404
2		8.2A	33 0.813	0.0016	17	-13 13 1.51	-0.020	18	0.33	0.786	18	33.6	1.18	16	33.6	KO J	11	6871	A -13 5405
3		9.2A	33 2.168	0.0004	21	-15 49 16.92	-0.036	15	0.34	2.162	18	33.6	16.34	16	33.6	K2 J	12A	7355	A -16 5367
4		6.5G	33 4.070	0.0009	09	-10 28 35.22	0.008	07	0.43	4.028	18	02.0	35.64	17	98.2	A0	GC	27071	-10 5126
5		8.8T	33 10.535	-0.0039	18	-19 42 32.79	-0.165	15	0.70	10.690	19	10.6	25.97	19	08.6	G5	GC	27074	-19 5516
6		8.7A	33 17.388	0.0015	20	-19 0 54.99	0.019	15	0.33	17.363	18	33.6	55.30	16	33.6	G5 J	12B	8393	A -19 5517
7		9.1A	33 19.227	-0.0005	18	-14 20 27.71	-0.002	13	0.31	19.235	18	33.6	27.69	16	33.6	G5 J	12A	7356	A -14 5472
8		9.0A	33 20.635	-0.0008	15	-10 8 22.61	-0.059	17	0.31	20.648	18	33.6	21.64	16	33.6	G5 J	11	6873	A -10 5127
9		6.1T	33 31.283	0.0021	05	-18 57 53.06	-0.003	05	0.28	31.177	09	98.9	52.90	09	97.2	A5	GC	27085	-19 5521
10		9.2A	33 37.290	0.0008	21	-15 52 26.72	0.009	15	0.34	37.277	18	33.6	26.87	16	33.6	M1 J	12A	7357	A -16 5371
11		8.8A	33 48.811	-0.0005	21	-17 26 48.17	-0.024	15	0.34	48.820	18	33.6	47.78	16	33.6	B9 J	12A	7358	A -17 5485
12		8.7A	33 50.717	0.0003	17	-11 21 9.34	-0.006	18	0.33	50.711	18	33.6	9.24	16	33.6	K0 J	11	6874	A -11 5054
13		8.9A	33 55.343	0.0036	17	-11 28 56.07	-0.001	18	0.33	55.284	18	33.6	56.05	16	33.6	K5 J	11	6875	A -11 5055
14		8.5G	34 1.548	-0.0188	06	-10 33 8.09	-0.270	05	0.33	2.586	14	94.9	51.60	12	88.9	K0	GC	27100K	B#-10 5130
15		6.9T	34 5.985	-0.0004	08	-10 16 12.10	-0.025	07	0.49	6.011	18	89.4	10.57	17	88.4	K0	GC	27101	-10 5131
16		5.9T	34 9.347	0.0011	04	-18 20 37.52	-0.012	04	0.18	9.300	06	06.7	36.98	06	07.2	K0	GC	27105	B#-18 5432
17		9.0A	34 10.128	0.0021	18	-15 0 40.10	-0.011	13	0.31	10.094	18	33.6	39.92	16	33.6	G5 J	12A	7359	A -15 5407
18		9.0A	34 11.873	-0.0009	21	-16 33 40.97	-0.028	15	0.34	11.888	18	33.6	40.52	16	33.6	A3 J	12A	7360	A -16 5377
19		9.0A	34 14.072	0.0021	15	-11 50 11.72	-0.016	17	0.31	14.037	18	33.6	11.46	16	33.6	K0 J	11	6879	A -12 5473
20		7.0T	34 14.207	0.0030	13	-13 17 8.41	-0.010	12	0.65	14.061	19	01.9	7.93	18	01.3	B9	GC	27109	-13 5415
21		9.0A	34 20.552	-0.0002	21	-16 28 54.31	0.010	15	0.34	20.555	18	33.6	54.47	16	33.6	A2 J	12A	7361	A -16 5379
22		7.1T	34 21.413	-0.0012	14	-14 32 40.09	-0.012	12	0.74	21.475	22	98.2	39.44	19	95.5	K0	GC	27115	-14 5475
23		8.7A	34 25.761	0.0018	21	-17 17 2.21	-0.068	15	0.34	25.732	18	33.6	1.10	16	33.6	G0 J	12A	7363	A -17 5690
24		9.6A	34 39.645	-0.0019	21	-14 35 4.91	-0.020	15	0.34	39.676	18	33.6	4.58	16	33.6	M J	12A	7364	A -14 5476
25		8.8A	34 39.845	0.0004	20	-19 7 45.96	-0.031	15	0.33	39.839	18	33.6	45.45	16	33.6	G0 J	12B	8406	A -19 5532
26		8.8A	34 43.285	-0.0016	18	-14 30 57.11	-0.050	13	0.31	43.312	18	33.6	56.29	16	33.6	K2 J	12A	7365	A -14 5478
27		5.6T	34 45.359	-0.0075	07	-14 24 47.47	-0.142	07	0.31	45.681	10	06.8	41.18	10	05.6	F8	GC	27127	B#-14 5479
28		8.9A	34 48.247	0.0008	21	-16 33 58.13	-0.041	15	0.34	48.234	18	33.6	57.46	16	33.6	K0 J	12A	7366	A -16 5381
29		7.2A	34 58.389	-0.0002	15	-10 5 17.88	-0.001	15	0.30	58.392	18	33.6	17.86	16	33.6	A2 J	11	6881	A -10 5137
30		8.9A	34 58.434	0.0014	21	-14 52 45.54	-0.000	15	0.34	58.411	18	33.6	45.54	16	33.6	K0 J	12A	7368	A -15 5410
31		6.9T	34 59.523	0.0002	13	-14 4 10.79	0.007	12	0.63	59.512	21	03.7	11.15	18	01.6	K0	GC	27137	-14 5480
32		9.1A	35 1.407	0.0009	17	-11 7 51.34	0.015	18	0.33	1.392	18	33.6	51.59	16	33.6	F5 J	11	6882	A -11 5062
33		8.7A	35 3.637	0.0037	17	-11 16 59.36	0.034	18	0.33	3.577	18	33.6	59.92	16	33.6	K0 J	11	6883	A -11 5063
34		8.8A	35 7.194	0.0011	20	-19 19 24.66	0.032	15	0.33	7.175	18	33.6	25.19	16	33.6	F0 J	12B	8408	A -19 5534
35		9.0A	35 14.531	0.0010	21	-15 5 57.22	-0.037	15	0.34	14.514	18	33.6	56.61	16	33.6	F8 J	12A	7370	A -15 5411
36		9.5A	35 16.809	-0.0008	21	-15 38 5.87	-0.025	15	0.34	16.822	18	33.6	5.46	16	33.6	G0 J	12A	7371	A -15 5412
37		9.5A	35 20.736	0.0003	21	-15 55 15.17	0.016	15	0.34	20.731	18	33.6	15.43	16	33.6	A0 J	12A	7372	A -16 5383
38		8.8A	35 21.206	0.0012	17	-11 16 37.14	0.024	18	0.33	21.186	18	33.6	37.54	16	33.6	G0 J	11	6885	A -11 5064
39		8.5A	35 21.218	0.0028	17	-12 52 19.89	0.008	18	0.33	21.172	18	33.6	20.02	16	33.6	G5 J	11	6884	A -13 5423
40		9.1A	35 32.463	-0.0002	00	-18 14 30.32	-0.180	15	0.24	32.467	18	33.6	27.36	16	33.6	G0 J	12B	8412	A -18 5436
41		8.5A	35 39.772	0.0022	17	-11 15 44.55	0.005	18	0.33	39.736	18	33.6	44.63	16	33.6	K0 J	11	6887	A -11 5066
42		8.8A	35 50.463	0.0025	21	-17 12 31.84	-0.005	15	0.34	50.423	18	33.6	31.77	16	33.6	A0 J	12A	7373	A -17 5696
43		6.6T	35 58.626	-0.0002	07	-10 16 14.58	-0.023	05	0.40	58.639	17	91.4	13.13	15	86.5	A5	GC	27165K	B#-10 5140
44		8.9A	36 5.495	0.0028	15	-12 40 15.88	0.008	17	0.31	5.449	18	33.6	16.01	16	33.6	G5 J	11	6889	A -12 5481
45		9.2A	36 10.902	0.0015	17	-10 26 56.28	-0.015	18	0.33	10.878	18	33.6	56.04	16	33.6		11	6890	A -10 5142
46		8.8A	36 11.575	0.0020	21	-14 41 00.00	0.011	15	0.34	11.542	18	33.6	+ 0.18	16	33.6	K0 J	12A	7374	A -14 5489
47		8.3G	36 11.584	0.0008	07	-10 27 14.46	-0.014	06	0.42	11.543	18	97.4	13.57	18	85.5	A0	GC	27171K	-10 5143
48		9.4A	36 14.141	-0.0010	21	-15 36 52.87	0.005	15	0.34	14.157	18	33.6	52.96	16	33.6	K0 J	12A	7375	A -15 5417
49		9.1A	36 15.597	0.0024	15	-12 44 15.46	0.007	17	0.31	15.558	18	33.6	15.57	16	33.6	K0 J	11	6892	A -12 5484
50		7.8A	36 17.454	0.0008	21	-13 47 4.41	0.015	15	0.34	17.440	18	33.6	4.67	16	33.6	G5 J	12A	7379	A -13 5427
51	19	9.2A	36 17.513	0.0014	21	-17 31 9.51	0.005	15	0.34	17.491	18	33.6	9.58	16	33.6	G0 J	12A	7376	A -17 5698
52		7.6G	36 20.023	0.0038	10	-17 1 28.85	0.050	13	0.58	19.833	10	00.7	31.28	10	01.7	A	GC	27176K	-17 5699
53		7.1G	36 20.535	0.0022	08	-19 23 23.70	0.033	07	0.41	20.428	12	02.6	25.34	14	00.7	A2	GC	27179K	B#-17 5699
54		9.3A	36 26.737	-0.0004	15	-12 49 27.09	0.008	17	0.31	26.743	18	33.6	27.22	16	33.6	A0 J	11	6894	A -13 5428
55		8.2A	36 27.542	-0.0004	21	-14 22 24.02	-0.022	15	0.34	27.581	18	33.6	23.67	16	33.6	G5 J	12A	7380	A -14 5493
56		8.7A	36 32.912	0.0007	20	-19 43 10.63	0.015	15	0.33	32.901	16	33.6	10.88	16	33.6	M3 J	13A	8416	A -19 5545
57		9.2A	36 35.937	-0.0001	21	-15 59 31.68	0.003	15	0.34	35.940	18	33.6	31.73	16	33.6	G0 J	12A	7381	A -16 5390
58		9.1A	36 45.409	-0.0001	21	-15 29 16.49	-0.009	15	0.34	45.412	18	33.6	16.34	16	33.6	M J	12A	7382	A -15 5419
59		8.3A	36 51.875	0.0058	20	-19 20 46.69	-0.037	15	0.33	51.780	18	33.6	46.08	16	33.6	F5 J	12B	8418	A -19 5547
60		9.1A	36 52.526	0.0018	20	-19 17 12.73	0.018	15	0.33	52.497	18	33.6	13.03	16	33.6		12B	8420	A -19 5548
61		9.0A	37 0.102	0.0040	21	-14 8 35.89	-0.007	15	0.34	0.035	18	33.6	35.78	16	33.6	F8 J	12A	7384	A -14 5496
62		6.7T	37 1.936	0.0003	10	-15 16 59.07	-0.023	08	0.45	1.922	10	02.2	57.91	10	99.5	B8	GC	27192	-15 5420
63		9.4A	37 2.689	0.0015	22	-17 10 9.88	-0.019	17	0.37	2.665	18	33.6	9.58	16	33.6	F5 J	12A	7383	A -17 5703
64		7.5A	37 4.088	0.0015	21	-14 57 54.71	0.002	15	0.34	4.064	18	33.6	54.74	16	33.6	B8 J	12A	7387	A -15 5421
65		9.3A	37 4.483	0.0025	18	-17 10 2.55	-0.022	13	0.31	4.443	18	33.6	2.20	16	33.6	F5 J	12A	7386	A -17 5703
66		8.9A	37 4.512	0.0001	15	-11 43 8.44	-0.001	17	0.31	4.510	18	33.6	8.42	16	33.6	K0 J	11	6895	A -11 5071
67		8.9A	37 6.008	-0.0026	15	-12 3 12.01	-0.030	15	0.30	6.051	18	33.6	11.52	16	33.6	G0 J	11	6896	A -12 5488
68		9.1A	37 8.036	0.0057	21	-17 34 40.55	-0.012	15	0.34	7.943	18	33.6	40.35	16	33.6	G5 J	12A	7388	A -17 5704
69		8.9A	37 8.504	0.0005	15	-11 22 3.25	0.009	17	0.31	8.496	18	33.6	3.40	16	33.6	G5 J	11	6897	A -11 5072
70		7.0T	37 16.063	0.0019	13	-14 9 37.60	-0.016	12	0.61	15.977	19	05.7	36.86	18	02.6	A0	GC	27198	-14 5498
71		8.8A	37 18.859	-0.0012	15	-11 58 51.63	0.008	15	0.30	18.878	18	33.6	51.76	16	33.6	F8 J	11	6898	A -12 5491
72		8.8A	37 19.627	0.0042	21	-15 23 27.67	0.014	15	0.34	19.558	18	33.6	27.90	16	33.6	K0 J	12A	7390	A -15 5424
73		9.0A	37 21.870	-0.0003	21	-14 29 39.45	-0.019	15	0.34	21.874	18	33.6	39.15	16	33.6	G5 J	12A	7391	A -14 5499
74		8.3A	37 22.119	0.0013	20	-18 0 27.88	-0.007	15	0.33	22.098	18	33.6	27.77	16	33.6	K2 J	12B	8426	A -18 5447
75		8.8A	37 24.208	0.0028	20	-18 25 55.02	-0.024	15	0.33	24.163	18	33.6	54.62	16	33.6	F0 J	12B	8427	A -18 5448
76		8.7A	37 24.644	0.0009	15	-13 18 3.48	-0.047	17	0.31	24.628	18	33.6	2.71	16	33.6	M0 J	11	6899	A -13 5435
77		8.8A	37 25.140	0.0026	21	-16 59 39.81	-0.025	15	0.34	25.097	18	33.6	39.40	16	33.6	A0 J	12A	7392	A -17 5706
78		8.5A	37 26.175	0.0014	15	-11 46 40.97	0.021	15	0.30	26.153	18	33.6	41.32	16	33.6	A0 J	11	6900	A -11 5075
79		8.8A	37 30.145	0.0025	18	-15 55 33.35	0.009	13	0.31	30.105	18	33.6	33.50	16	33.6	K0 J	12A	7393	A -16 5398
80		8.5A	37 35.623	0.0006	15	-12 43 24.72	0.057	15	0.30	35.613	18	33.6	25.65	16	33.6	B9 J	11	6901	A -12 5492
81		9.0A	37 44.392	0.0017	21	-15 39 52.39	0.015	15	0.34	44.365	18	33.6	52.64	16	33.6	K5 J	12A	7394	A -15 5428
82		9.3A	37 49.535	-0.0012	21	-14 12 53.50	0.057	15	0.34	49.555	18	33.6	54.44	16	33.6	G0 J	12A	7396	A -14 5500
83		5.5H	37 51.562	0.0047	01	-16 24 33.95	-0.045	01	0.05	51.403	02	16.6	32.43	03	16.6	K0	F4	1512	-16 5399
84		8.9G	37 53.709	0.0053	08	-16 24 0.39	-0.054	07	0.45	53.413	17	93.7	57.15	15	89.8	G0	GC	27217K	-16 5400
85		9.2A	37 55.278	0.0000	21	-14 33 35.72	-0.020	15	0.34	55.277	18	33.6	35.39	16	33.6	K0 J	12A	7399	A -14 5501
86		9.2A	37 55.438	0.0017	20	-19 39 19.80	0.020	15	0.33	55.411	16	33.6	20.13	16	33.6	K0 J	13A	8430	A -19 5553
87		9.2A	37 56.457	0.0006	21	-16 30 3.45	0.020	15	0.34	56.448	18	33.6	3.79	16	33.6	K2 J	12A	7398	A -16 5401
88		9.5A	38 1.522	0.0025	15	-10 17 33.14	0.038	17	0.31	1.481	18	33.6	33.76	16	33.6	G5 J	11	6902	A -10 5151
89		8.7A	38 5.345	0.0020	15	-12 6 47.49	-0.014	17	0.31	5.313	18	33.6	47.26	16	33.6	A2 J	11	6903	A -12 5495
90		8.6A	38 9.429	0.0075	21	-15 31 17.08	-0.014	15	0.34	9.307	18	33.6	16.86	16	33.6	G5 J	12A	7400	A -15 5431
91		8.9A	38 20.122	0.0006	15	-11 12 25.90	-0.026	15	0.30	20.112	18	33.6	25.48	16	33.6	K0 J	11	6904	A -11 5078
92		9.4A	38 23.243	0.0001	21	-14 42 0.33	0.012	15	0.34	23.241	18	33.6	0.53	16	33.6	K2 J	12A	7401	A -14 5505
93		8.8A	38 28.103	-0.0013	15	-13 18 14.06	-0.005	17	0.31	28.123	18	33.6	13.98	16	33.6	A0 J	11	6905	A -13 5442
94		9.1A	38 31.054	0.0023	21	-15 53 58.14	0.009	15	0.34	31.017	18	33.6	58.29	16	33.6	F8 J	12A	7402	A -16 5404
95		9.0A	38 33.923	0.0002	20	-19 48 58.77	-0.019	15	0.33	33.921	16	33.6	58.46	16	33.6	M3 J	13A	8436	A -20 5660
96		8.8A	38 34.612	0.0005	21	-14 48 34.27	0.012	15	0.34	34.605	18	33.6	34.47	16	33.6	K0 J	12A	7403	A -15 5432
97		8.5A	38 39.264	-0.0018	15	-12 2 42.12	-0.016	15	0.30	39.293	18	33.6	41.86	16	33.6	K0 J	11	6906	A -12 5497
98		8.9A	38 47.753	-0.0014	15	-11 51 9.02	-0.007	17	0.31	47.775	18	33.6	8.91	16	33.6	G5 J	11	6907	A -12 5498
99		9.3A	38 52.039	0.0024	21	-16 46 15.55	0.033	15	0.34	52.000	18	33.6	16.10	16	33.6	G0 J	12A	7404	A -16 5407
00		9.1A	38 56.502	0.0018	20	-11 14 56.36	-0.010	20	0.36	56.472	18	33.6	56.20	16	33.6	M0 J	11	6908	A -11 5081

162900

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	EPOCH 1950 μ_s s	EPOCH 1950 σ_μ ″.001	EPOCH 1950 δ_{1950} ° ′ ″	EPOCH 1950 μ' ″	EPOCH 1950 σ'_μ ″.001	EPOCH 1950 σ_{1950} ″	ORIGINAL EPOCH α_2 s	ORIGINAL EPOCH σ ″.01	ORIGINAL EPOCH ep.	ORIGINAL EPOCH δ_2 ″	ORIGINAL EPOCH σ' ″.01	ORIGINAL EPOCH ep.	SP.		SOURCE CAT.	SOURCE STAR NUMBER	DM NUMBER
																				-10° 19H
1		9.2A	19 39 5.284	0.0021	20	-18 28 24.20	-0.029	15	0.33	5.250	18	33.6	23.72	16	33.6	F8	J	12B	8440	A -18 5456
2		9.1A	39 7.237	0.0051	15	-11 35 44.41	-0.009	17	0.31	7.187	18	33.6	44.26	16	33.6	F2	J	11	6909	A -11 5083
3		8.5A	39 8.118	0.0043	15	-11 23 54.51	0.028	15	0.30	8.047	18	33.6	54.97	16	33.6	G0	J	11	6910	A -11 5085
4		8.6A	39 10.431	0.0009	15	-11 42 0.02	-0.029	17	0.31	10.415	18	33.6	59.55	16	33.6	A2	J	11	6911	A -11 5086
5		9.2A	39 11.791	-0.0010	21	-14 13 43.16	0.001	15	0.34	11.808	18	33.6	43.19	16	33.6	K5	J	12A	7405	A -14 5511
6		9.2A	39 13.111	-0.0009	20	-18 6 19.33	0.007	15	0.33	13.128	18	33.6	19.44	16	33.6	G0	J	12B	8441	A -18 5457
7		9.3A	39 13.879	-0.0006	21	-14 11 32.33	0.003	18	0.34	13.889	18	33.6	32.39	16	33.6			12A	7406	A -14 5512
8		9.0A	39 17.320	-0.0004	15	-10 12 36.29	0.003	17	0.31	17.327	18	33.6	36.34	16	33.6	K5	J	11	6913	A -10 5155
9		9.0A	39 17.408	0.0027	13	-11 10 43.46	0.002	15	0.29	17.365	18	33.6	43.49	16	33.6	A2	J	11	6912	A -11 5087
10		8.9A	39 22.858	0.0034	15	-11 37 52.08	-0.067	17	0.31	22.802	18	33.6	50.98	16	33.6	G0	J	11	6914	A -11 5088
11		8.6A	39 27.071	0.0016	21	-15 5 20.07	-0.001	15	0.34	27.045	18	33.6	20.05	16	33.6	A0	J	12A	7407	A -15 5436
12		8.9A	39 32.920	0.0006	20	-18 38 34.01	-0.024	15	0.33	32.910	18	33.6	33.62	16	33.6	G5	J	12B	8443	A -18 5458
13		9.2A	39 35.767	-0.0035	21	-16 26 48.78	-0.016	15	0.34	35.824	18	33.6	48.82	16	33.6	A0	J	12A	7408	A -16 5412
14		8.5A	39 37.862	0.0027	15	-13 26 25.82	0.025	15	0.30	37.818	18	33.6	26.23	16	33.6	A0	J	11	6915	A -13 5447
15		5.1H	39 39.567	0.0044	01	-16 14 33.95	-0.010	01	0.06	39.395	03	10.7	33.56	03	11.9	F0		F4	1514	-16 5413
16		9.0A	39 46.776	0.0012	15	-11 33 20.80	0.023	17	0.31	46.756	18	33.6	21.18	16	33.6	K2	J	11	6917	A -11 5091
17		9.4A	39 53.199	-0.0011	18	-16 20 35.29	-0.004	17	0.33	53.217	18	33.6	35.22	16	33.6			12A	7410	A -16 5415
18		9.2A	39 53.906	0.0014	15	-16 21 35.81	-0.005	12	0.28	53.883	18	33.6	35.73	16	33.6			12A	7411	A -16 5416
19		8.9A	39 56.921	-0.0027	20	-18 19 5.86	-0.003	15	0.33	56.966	18	33.6	5.81	16	33.6	G0	J	12B	8447	A -18 5460
20		9.0A	39 59.943	0.0002	21	-15 28 19.69	0.004	15	0.34	59.940	18	33.6	19.76	16	33.6	A0	J	12A	7412	A -15 5438
21		9.2A	40 3.254	0.0017	20	-18 38 58.63	-0.154	15	0.33	3.226	18	33.6	56.10	16	33.6	G5	J	12B	8448	A -18 5462
22		9.0A	40 8.751	0.0047	21	-16 8 33.19	-0.068	15	0.34	8.675	18	33.6	32.07	16	33.6	F8	J	12A	7413	A -16 5420
23		8.0A	40 13.433	-0.0008	21	-14 21 4.70	0.009	15	0.34	13.445	18	33.6	4.86	16	33.6	K0	J	12A	7415	A -14 5518
24		9.1A	40 14.826	0.0031	21	-16 40 6.63	0.013	15	0.34	14.774	18	33.6	6.84	16	33.6	K0	J	12A	7414	A -16 5421
25		8.5A	40 17.541	0.0019	20	-19 13 53.98	-0.000	15	0.33	17.509	18	33.6	53.98	16	33.6	K2	J	12B	8450	A -19 5561
26		8.8A	40 19.773	0.0036	21	-15 17 32.18	0.015	15	0.34	19.714	18	33.6	32.43	16	33.6	A5	J	12A	7416	A -15 5441
27		8.5A	40 21.713	0.0016	15	-11 16 14.77	-0.001	17	0.31	21.686	18	33.6	14.75	16	33.6	K2	J	11	6918	A -11 5096
28		7.9Q	40 26.129	0.0041	10	-10 47 50.51	-0.141	08	0.48	25.934	18	02.1	43.23	18	98.3	F8		GC	27283	-11 5097
29		9.1A	40 38.555	0.0018	20	-19 8 54.93	0.021	15	0.33	38.527	18	33.6	55.28	16	33.6	K5	J	12B	8453	A -19 5565
30		8.9A	40 40.420	0.0046	21	-16 5 51.30	0.012	15	0.34	40.345	18	33.6	51.50	16	33.6	K0	J	12A	7417	A -16 5423
31		5.5T	40 42.470	0.0104	03	-15 35 15.01	-0.181	03	0.15	42.016	06	06.2	6.89	06	05.1	F2		GC	27289	B*-15 5444
32		9.1A	40 46.258	-0.0000	15	-12 14 33.34	0.012	17	0.31	46.258	18	33.6	33.54	16	33.6	M0	J	11	6920	A -12 5506
33		8.1A	41 19.799	-0.0008	13	-11 47 22.41	0.012	15	0.29	19.812	18	33.6	22.61	16	33.6	M1	J	11	6923	A -12 5510
34		9.0A	41 21.338	-0.0005	21	-14 38 6.06	-0.012	15	0.34	21.346	18	33.6	5.86	16	33.6	G0	J	12A	7419	A -14 5525
35		8.9A	41 24.598	0.0015	15	-12 34 41.13	0.030	17	0.31	24.572	18	33.6	41.62	16	33.6	G5	J	11	6924	A -12 5511
36		9.3A	41 32.316	0.0042	18	-15 7 14.62	0.009	13	0.31	32.246	18	33.6	14.77	16	33.6	G0	J	12A	7420	A -15 5448
37		8.1A	41 38.103	0.0023	18	-17 31 16.46	-0.010	13	0.31	38.065	18	33.6	16.30	16	33.6	A0	J	12A	7421	A -17 5732
38		9.1A	41 38.859	0.0014	21	-14 20 44.83	0.005	15	0.34	38.835	18	33.6	44.92	16	33.6	A0	J	12A	7422	A -14 5527
39		8.8A	41 43.557	0.0020	15	-13 31 13.75	-0.025	17	0.31	43.523	18	33.6	13.35	16	33.6	K0	J	11	6926	A -13 5459
40		8.6A	41 43.603	-0.0016	15	-11 14 1.12	-0.029	15	0.30	43.629	18	33.6	0.65	16	33.6	G5	J	11	6927	A -11 5106
41		8.8A	41 52.813	0.0008	18	-18 38 48.62	-0.004	13	0.31	52.800	18	33.6	48.56	16	33.6	G5	J	12B	8460	A -18 5469
42		9.1A	41 58.635	0.0040	21	-17 33 21.67	-0.012	15	0.34	58.569	18	33.6	21.48	16	33.6	G5	J	12A	7423	A -17 5733
43		8.3Q	41 59.168	0.0008	12	-11 18 51.72	-0.006	08	0.52	59.132	18	04.2	51.42	21	99.4	A0		GC	27311K	B*-11 5108
44		8.8A	42 7.454	0.0012	17	-18 16 17.67	-0.003	12	0.29	7.436	18	33.6	17.62	16	33.6	A2	J	12B	8462	A -18 5470
45		6.9T	42 9.218	0.0003	14	-10 41 36.87	-0.064	12	0.72	9.205	22	98.6	33.37	21	95.3	K5		GC	27316	-10 5172
46		9.2A	42 9.823	0.0003	21	-14 43 12.01	-0.002	15	0.34	9.818	18	33.6	11.98	16	33.6	G5	J	12A	7424	A -14 5531
47		9.1A	42 21.447	-0.0008	20	-17 36 41.30	-0.076	15	0.33	21.461	18	33.6	40.05	16	33.6	G	J	12B	8463	A -17 5736
48		7.5A	42 22.208	-0.0012	15	-12 50 52.89	-0.009	17	0.31	22.227	18	33.6	52.74	16	33.6	K0	J	11	6930	A -13 5462
49		8.6A	42 22.903	0.0013	21	-15 13 55.06	0.030	15	0.34	22.882	18	33.6	55.55	16	33.6	K0	J	12A	7427	A -15 5455
50		9.0A	42 23.525	0.0018	21	-17 12 5.35	0.011	15	0.34	23.495	18	33.6	5.54	16	33.6	G0	J	12A	7426	A -17 5737
51		8.9A	19 42 24.998	0.0017	20	-18 58 27.96	-0.029	15	0.33	24.971	18	33.6	28.43	16	33.6	K0	J	12B	8464	A -19 5583
52		8.4Q	42 30.783	0.0032	11	-13 21 29.64	-0.093	07	0.47	30.647	19	07.1	24.83	18	98.2	G5		GC	27329K	B*-13 5463
53		9.2A	42 33.263	-0.0012	21	-15 27 4.84	-0.012	15	0.34	33.283	18	33.6	5.04	16	33.6	K2	J	12A	7428	A -15 5458
54		8.8Q	42 41.077	0.0007	11	-13 23 5.24	-0.011	08	0.47	41.045	21	07.3	4.71	21	01.1	G5		GC	27334	-13 5465
55		9.1A	42 45.009	-0.0001	17	-11 48 41.74	-0.032	18	0.33	45.011	18	33.6	41.22	16	33.6	F8	J	11	6935	A -12 5517
56		9.2A	42 46.640	0.0019	18	-14 35 12.53	-0.008	13	0.31	46.609	18	33.6	12.40	16	33.6	G5	J	12A	7429	A -14 5534
57		8.8A	43 4.623	0.0022	15	-11 0 44.19	0.012	15	0.30	4.587	18	33.6	44.39	16	33.6	G5	J	11	6936	A -11 5113
58		9.0A	43 13.362	0.0020	15	-10 46 41.78	0.061	17	0.31	13.330	18	33.6	42.78	16	33.6	G5	J	11	6938K	A -11 5114
59		8.9A	43 13.970	0.0007	21	-13 55 47.05	0.034	15	0.34	13.959	18	33.6	47.62	16	33.6	K0	J	12A	7430	A -14 5537
60		9.0A	43 18.958	0.0025	21	-15 27 21.14	-0.019	15	0.34	18.917	18	33.6	20.83	16	33.6	K0	J	12A	7431	A -15 5459
61		9.2A	43 20.309	0.0022	21	-14 2 20.49	0.057	15	0.34	20.274	18	33.6	21.43	16	33.6	K0	J	12A	7432	A -14 5539
62		9.0A	43 21.797	0.0000	13	-10 47 22.38	-0.005	15	0.29	21.797	18	33.6	22.30	16	33.6	A2	J	11	6939	A -11 5115
63		9.0A	43 24.460	-0.0014	20	-18 9 4.43	-0.056	15	0.33	24.483	18	33.6	3.51	16	33.6	K0	J	12B	8467	A -18 5478
64		5.1H	43 26.803	-0.0093	01	-19 52 58.53	-0.087	01	0.06	27.160	02	11.5	55.31	03	13.1	K0		F4	1517	-20 5698
65		8.8A	43 32.556	0.0005	20	-18 16 30.22	-0.024	15	0.33	32.548	18	33.6	29.82	16	33.6	N0	J	12B	8471	A -18 5480
66		9.3A	43 33.608	-0.0017	20	-19 14 33.41	-0.023	15	0.33	33.635	18	33.6	33.03	16	33.6	G0	J	12B	8472	A -19 5589
67		8.4A	43 40.302	0.0026	13	-12 0 24.81	-0.004	15	0.29	40.260	18	33.6	24.75	16	33.6	G5	J	11	6941	A -12 5523
68		8.4A	43 41.012	0.0002	21	-16 19 56.21	-0.010	15	0.34	41.009	18	33.6	56.05	16	33.6	M2	J	12A	7433	A -16 5433
69		9.2A	43 50.146	0.0006	21	-17 18 14.47	-0.004	15	0.34	50.135	18	33.6	14.41	16	33.6	K0	J	12A	7434	A -17 5743
70		9.4A	43 53.860	0.0041	13	-11 6 35.70	-0.030	15	0.29	53.793	18	33.6	35.21	16	33.6	G5	J	11	6943	A -11 5118
71		8.9A	43 54.080	0.0003	21	-15 10 27.14	-0.017	15	0.34	54.076	18	33.6	26.86	16	33.6	F5	J	12A	7435	A -15 5463
72		9.0A	43 54.224	-0.0009	21	-15 0 19.43	-0.017	15	0.34	54.239	18	33.6	19.15	16	33.6	K0	J	12A	7436	A -15 5462
73		9.1A	43 54.856	-0.0024	15	-11 36 24.50	0.034	17	0.31	54.895	18	33.6	25.06	16	33.6	F8	J	11	6944	A -11 5119
74		9.1A	43 55.287	-0.0007	15	-11 36 10.10	-0.021	17	0.31	55.298	18	33.6	9.76	16	33.6	F8	J	11	6945	A -11 5119
75		9.1A	43 59.734	0.0027	21	-15 28 35.20	-0.022	15	0.34	59.689	18	33.6	34.84	16	33.6	A2	J	12A	7438	A -15 5465
76		9.2A	43 59.747	0.0039	21	-16 3 5.52	0.048	15	0.34	59.683	18	33.6	6.30	16	33.6	F8	J	12A	7437	A -16 5434
77		8.1A	44 7.451	0.0018	17	-12 16 18.33	0.006	18	0.33	7.422	18	33.6	18.43	16	33.6	M3	J	11	6946	A -12 5526
78		9.0A	44 7.909	0.0001	15	-10 45 49.94	0.015	15	0.30	7.908	18	33.6	50.19	16	33.6	K2	J	11	6947	A -10 5179
79		9.0A	44 14.480	0.0009	15	-12 22 36.84	0.002	17	0.31	14.465	18	33.6	36.87	16	33.6	G0	J	11	6948	A -12 5530
80		7.1T	44 16.703	0.0015	14	-17 12 6.26	0.014	12	0.63	16.631	10	04.1	6.93	10	03.3	M0		GC	27364	-17 5746
81		8.8A	44 17.293	-0.0059	15	-10 52 5.72	-0.110	17	0.31	17.390	18	33.6	3.91	16	33.6	G0	J	11	6949	A -11 5123
82		7.5T	44 24.121	-0.0067	26	-18 52 8.69	-0.088	22	1.06	24.407	22	07.5	4.83	22	06.2	G0		GC	27368	-19 5596
83		8.4A	44 25.751	-0.0001	15	-10 10 50.27	-0.032	17	0.31	25.752	18	33.6	49.74	16	33.6	K0	J	11	6950	A -10 5181
84		9.0A	44 26.754	-0.0000	20	-19 59 57.11	0.005	15	0.33	26.755	16	33.6	57.19	16	33.6	K2	J	13A	8479	A -20 5708
85		8.9A	44 35.476	0.0001	17	-13 12 41.75	0.016	18	0.33	35.474	18	33.6	42.01	16	33.6	A2	J	11	6951	A -13 5473
86		8.6A	44 37.332	0.0014	15	-13 5 34.37	-0.010	17	0.31	37.309	18	33.6	34.21	16	33.6	K5	J	11	6952	A -13 5474
87		9.2A	44 37.659	0.0054	21	-15 7 22.87	0.010	15	0.34	37.571	18	33.6	23.03	16	33.6	G0	J	12A	7440	A -15 5466
88		9.6A	44 44.995	-0.0031	21	-14 1 26.37	0.019	15	0.34	45.006	18	33.6	26.68	16	33.6	G5	J	12A	7442	A -14 5548
89		8.5A	44 48.018	-0.0003	21	-17 11 39.59	-0.063	15	0.34	48.022	18	33.6	38.57	16	33.6	F5	J	12A	7441	A -17 5748
90		8.7A	44 51.656	0.0016	20	-19 20 11.06	-0.022	15	0.33	51.630	18	33.6	10.70	16	33.6	K0	J	12B	8481	A -19 5600
91		9.4A	44 55.236	0.0008	21	-15 24 15.63	-0.014	15	0.34	55.223	18	33.6	15.40	16	33.6	A2	J	12A	7443	A -15 5467
92		8.9A	44 58.906	0.0009	20	-18 8 30.58	0.017	15	0.33	58.892	18	33.6	30.85	16	33.6	K0	J	12B	8482	A -18 5488
93		9.1A	44 59.830	0.0012	20	-18 31 43.95	-0.010	15	0.33	59.810	18	33.6	43.79	16	33.6	F5	J	12B	8483	A -18 5487
94		9.1A	45 3.327	-0.0023	21	-16 37 46.35	-0.091	15	0.34	3.364	18	33.6	44.87	16	33.6	G5	J	12A	7444	A -16 5439
95		8.4A	45 7.667	0.0014	20	-17 36 16.16	-0.008	15	0.33	7.644	18	33.6	16.02	16	33.6	F5	J	12B	8486	A -17 5750
96		8.5A	45 10.999	-0.0000	20	-18 45 57.17	0.014	15	0.33	10.999	18	33.6	57.39	16	33.6	K2	J	12B	8487	A -18 5490
97		8.6A	45 12.427	0.0011	18	-14 41 31.83	-0.010	13	0.31	12.408	18	33.6	31.67	16	33.6	B9	J	12A	7446	A -14 5552
98		6.2T	45 14.509	0.0016	07	-13 49 40.96	-0.012	06	0.40	14.416	18	93.1	40.26	15	90.1	A3		GC	27394	-14 5555
99		8.6A	45 15.849	0.0002	15	-12 36 21.01	0.004	17	0.31	15.846	18	33.6	21.08	16	33.6	A0	J	11	6955	A -12 5535
00		8.8A	45 25.246	-0.0018	15	-12 6 12.98	0.009	17	0.31	25.275	18	33.6	13.13	16	33.6	K2	J	11	6957	A -12 5536

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EPOCH 1950 — ORIGINAL EPOCH — SOURCE — -10° 19H

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	CAT.	STAR NUMBER	DM NUMBER
1		8.5A	19 45 26.943	0.0019	15	-13 34 32.72	-0.011	17	0.31	26.911	18	33.6	32.55	16	33.6	A0 J	11	6956	A -13 5481
2		9.0A	45 29.264	0.0018	20	-18 55 48.48	0.020	15	0.33	29.234	18	33.6	48.80	16	33.6	K0 J	12B	8490	A -19 5606
3		9.1A	45 41.940	0.0009	15	-10 50 24.87	-0.015	17	0.31	41.925	18	33.6	24.63	16	33.6	K7 J	11	6958	A -11 5130
4		9.0A	45 42.668	0.0019	21	-15 57 23.73	0.064	15	0.34	42.638	18	33.6	24.78	16	33.6	G0 J	12A	7449	A -16 5441
5		8.6A	45 42.814	0.0009	21	-16 17 20.88	-0.035	15	0.34	42.800	18	33.6	20.31	16	33.6	M0 J	12A	7448	A -16 5440
6		7.9A	45 52.823	0.0035	13	-12 14 49.12	-0.060	15	0.29	52.766	18	33.6	48.14	16	33.6	G5 J	11	6959	A -12 5540
7		6.7T	46 3.396	0.0018	07	-12 26 41.27	-0.013	07	0.46	3.285	18	87.0	40.45	17	86.5	K5	GC	27411	-12 5541
8		8.7A	46 7.510	0.0013	21	-15 12 41.83	-0.008	15	0.34	7.488	18	33.6	41.70	16	33.6	K5 J	12A	7450	A -15 5472
9		8.9A	46 10.927	0.0018	21	-14 30 43.48	-0.045	15	0.34	10.898	18	33.6	42.74	16	33.6	G0 J	12A	7451	A -14 5559
10		9.0A	46 16.379	0.0019	21	-16 6 27.50	-0.019	15	0.34	16.346	18	33.6	27.19	16	33.6	A0 J	12A	7452	A -16 5442
11		9.2A	46 16.769	-0.0008	20	-19 9 42.01	-0.004	15	0.33	16.773	18	33.6	41.95	16	33.6	F8 J	12B	8492K	A -19 5612
12		6.2T	46 16.801	0.0022	04	-10 59 47.95	-0.020	04	0.24	16.688	10	97.5	46.79	09	91.7	K0	GC	27417	B*-11 5131
13		8.9A	46 21.092	-0.0014	18	-10 58 19.42	0.025	20	0.35	21.115	18	33.6	19.83	16	33.6	A3 J	11	6962	A -11 5133
14		8.1A	46 21.735	0.0008	15	-10 6 32.32	0.013	17	0.31	21.722	18	33.6	32.53	16	33.6	K0 J	11	6963	A -10 5191
15		8.6A	46 25.464	0.0007	21	-14 43 12.38	0.001	15	0.34	25.452	18	33.6	12.40	16	33.6	K0 J	12A	7454	A -14 5561
16		9.2A	46 25.507	-0.0017	21	-17 33 4.89	0.005	15	0.34	25.535	18	33.6	4.97	16	33.6	F8 J	12A	7453	A -17 5755
17		8.6A	46 30.429	-0.0012	15	-12 47 23.95	0.017	17	0.31	30.448	18	33.6	24.23	16	33.6	K5 J	11	6964	A -13 5492
18		8.2A	46 51.643	-0.0022	15	-11 6 20.80	-0.027	17	0.31	51.679	18	33.6	20.36	16	33.6	M2 J	11	6965	A -11 5140
19		8.9A	46 53.645	-0.0004	20	-19 29 15.94	-0.036	15	0.33	53.650	18	33.6	15.35	16	33.6	K2 J	12B	8494	A -19 5616
20		7.0T	47 0.777	0.0034	10	-11 32 5.60	-0.070	06	0.45	0.618	21	02.7	1.63	18	93.2	F5	GC	27437	-11 5143
21		9.2A	47 3.719	0.0012	20	-19 10 16.63	0.007	15	0.33	3.699	18	33.6	16.75	16	33.6	K2 J	12B	8496	A -19 5618
22		7.7Q	47 5.944	0.0004	09	-10 51 7.74	-0.005	07	0.44	5.927	17	05.3	7.47	18	94.5	F0	GC	27439	-11 5144
23		9.1A	47 13.764	-0.0010	20	-19 0 51.48	-0.007	15	0.33	13.781	18	33.6	51.37	16	33.6	A0 J	12B	8499	A -19 5619
24		9.1A	47 15.217	0.0006	20	-17 59 21.75	-0.019	15	0.33	15.208	18	33.6	21.43	16	33.6	A3 J	12B	8500	A -18 5503
25		8.7A	47 20.635	0.0019	20	-18 4 50.53	-0.039	15	0.33	20.605	18	33.6	49.88	16	33.6	F5 J	12B	8502	A -18 5504
26		6.9T	47 25.377	0.0012	13	-10 8 3.27	0.021	12	0.64	25.321	19	02.6	4.32	18	00.4	G5	GC	27448	-10 5195
27		8.6A	47 32.951	0.0015	21	-15 3 50.16	-0.019	15	0.34	32.927	18	33.6	49.85	16	33.6	A3 J	12A	7455	A -15 5478
28		9.1A	47 33.368	-0.0006	20	-19 15 50.59	-0.005	15	0.33	33.378	18	33.6	50.51	16	33.6	A3 J	12B	8503	A -19 5621
29		8.9A	47 37.086	0.0019	21	-15 33 0.75	-0.002	15	0.34	37.056	18	33.6	0.72	16	33.6	A0 J	12A	7456	A -15 5479
30		8.4A	47 37.985	-0.0020	21	-14 3 4.28	-0.003	15	0.34	38.017	18	33.6	4.24	16	33.6	B8 J	12A	7457	A -14 5565
31		9.1A	47 38.492	0.0008	20	-19 24 47.50	0.006	15	0.33	38.480	18	33.6	47.60	16	33.6	K0 J	12B	8504	A -19 5622
32		9.4A	47 43.354	0.0015	21	-13 56 45.28	-0.038	15	0.34	43.329	18	33.6	44.66	16	33.6	G J	12A	7458	A -14 5566
33		8.6A	47 44.156	0.0016	21	-14 14 17.20	0.011	15	0.34	44.130	18	33.6	17.39	16	33.6	K5 J	12A	7459	A -14 5567
34		9.0A	47 47.986	0.0057	17	-10 54 40.97	-0.022	18	0.33	47.893	18	33.6	40.61	16	33.6	K2 J	11	6969	A -11 5146
35		9.0A	47 49.201	0.0016	17	-10 55 0.96	0.032	18	0.33	49.174	18	33.6	1.48	16	33.6	K0 J	11	6970K	A -11 5147
36		5.5H	48 1.762	-0.0021	02	-10 53 30.81	0.034	02	0.06	1.626	03	19.4	31.94	03	16.5	F0	F4	744	-11 5149
37		8.7A	48 3.656	-0.0001	17	-10 15 15.02	0.012	18	0.33	3.657	18	33.6	15.22	16	33.6	K0 J	11	6972	A -10 5197
38		9.1A	48 18.571	-0.0009	21	-14 43 50.06	-0.012	15	0.34	18.586	18	33.6	49.86	16	33.6	K5 J	12A	7460	A -14 5571
39		8.9A	48 19.512	-0.0016	17	-11 47 46.51	-0.012	18	0.33	19.539	18	33.6	46.31	16	33.6	K2 J	11	6974	A -12 5554
40		8.4A	48 24.250	0.0029	21	-15 17 32.50	0.024	15	0.34	24.203	18	33.6	32.89	16	33.6	K0 J	12A	7461	A -15 5481
41		8.9A	48 27.497	-0.0020	18	-10 19 28.19	-0.061	20	0.35	27.531	18	33.6	27.19	16	33.6	K0 J	11	6976	A -10 5201
42		9.0A	48 29.399	0.0009	17	-11 10 14.96	-0.001	18	0.33	29.385	18	33.6	14.94	16	33.6	K0 J	11	6977	A -11 5151
43		8.6A	48 34.236	-0.0040	18	-11 25 25.93	-0.039	20	0.35	34.302	18	33.6	25.79	16	33.6	F8 J	11	6978	A -11 5152
44		9.2A	48 36.729	0.0033	18	-15 44 30.56	-0.031	13	0.31	36.675	18	33.6	30.05	16	33.6	F8 J	12A	7463	A -15 5483
45		8.7A	48 38.866	0.0023	21	-15 59 49.67	0.003	15	0.34	38.829	18	33.6	49.72	16	33.6	K5 J	12A	7462	A -16 5447
46		7.8T	48 41.259	0.0009	12	-19 20 23.22	0.019	09	0.52	41.219	18	03.9	24.15	15	00.6	K2	GC	27485	-19 5628
47		8.6A	48 46.875	0.0003	18	-11 56 57.91	-0.014	20	0.35	46.869	18	33.6	57.68	16	33.6	F5 J	11	6980	A -12 5559
48		7.5T	48 48.066	0.0025	26	-12 44 59.98	-0.033	26	1.15	47.955	27	06.4	+ 1.45	26	05.8	K0	GC	27487	-12 5558
49		8.9A	48 48.575	-0.0027	18	-11 3 45.53	-0.055	20	0.35	48.619	18	33.6	44.63	16	33.6	F5 J	11	6982	A -11 5154
50		6.8T	48 52.335	0.0003	17	-14 54 18.32	0.048	16	0.82	52.320	24	02.7	20.67	22	01.0	A2	GC	27490	-15 5484
51		8.8A	19 48 52.860	0.0010	21	-17 23 46.07	0.027	15	0.34	52.844	18	33.6	46.52	16	33.6	K0 J	12A	7464	A -17 5768
52		8.6A	48 55.129	-0.0010	17	-12 9 46.66	-0.064	18	0.33	55.146	18	33.6	45.61	16	33.6	F8 J	11	6983	A -12 5561
53		8.7A	48 56.845	0.0022	20	-19 49 28.44	0.022	15	0.33	56.809	18	33.6	28.80	16	33.6	A3 J	13A	8510	A -20 5735
54		7.2T	48 57.219	0.0066	13	-11 4 43.38	-0.004	10	0.68	56.882	22	98.7	43.16	19	92.1	F5	GC	27496	-11 5156
55		7.0T	48 57.384	-0.0009	16	-13 9 40.88	-0.037	13	0.66	57.424	19	07.5	39.26	18	06.1	K2	GC	27497	-13 5499
56		9.0A	49 3.328	0.0006	20	-18 54 48.64	-0.016	15	0.33	3.318	18	33.6	48.38	16	33.6	K0 J	12B	8511	A -19 5629
57		9.3A	49 11.062	0.0049	17	-17 25 8.31	0.020	13	0.30	10.982	18	33.6	8.65	16	33.6	K0 J	12A	7466	A -17 5771
58		9.4A	49 13.468	0.0007	18	-17 31 34.26	-0.007	13	0.31	13.458	18	33.6	34.14	16	33.6	F5 J	12A	7467	A -17 5773
59		8.1A	49 17.208	-0.0022	18	-10 28 57.06	-0.071	20	0.35	17.245	18	33.6	55.90	16	33.6	F2 J	11	6986K	A -10 5203
60		6.0T	49 17.736	-0.0000	03	-19 10 24.73	-0.057	03	0.18	17.737	07	97.3	21.68	07	96.5	G5	GC	27503	B*-19 5631
61		9.0A	49 18.938	0.0023	21	-17 22 11.10	-0.006	15	0.34	18.900	18	33.6	11.00	16	33.6	K2 J	12A	7468	A -17 5774
62		8.8A	49 19.667	-0.0014	18	-12 0 26.92	-0.021	20	0.35	19.689	18	33.6	26.58	16	33.6	A0 J	11	6988	A -12 5564
63		8.4A	49 20.172	0.0022	18	-12 42 23.86	0.023	20	0.35	20.135	18	33.6	24.24	16	33.6	K0 J	11	6987	A -12 5563
64		6.9T	49 22.046	0.0008	13	-11 1 18.00	0.025	11	0.63	22.010	21	03.2	19.27	19	99.4	K0	GC	27505	-11 5159
65		9.0A	49 27.190	0.0026	20	-18 54 21.20	0.024	15	0.33	27.147	18	33.6	21.60	16	33.6	K0 J	12B	8514	A -19 5632
66		8.6A	49 34.766	0.0019	21	-17 0 56.32	-0.012	15	0.34	34.735	18	33.6	56.12	16	33.6	K0 J	12A	7469	A -17 5776
67		8.2A	49 35.212	0.0013	18	-11 29 46.22	0.021	20	0.35	35.191	18	33.6	46.57	16	33.6	G5 J	11	6990	A -11 5160
68		9.0A	49 37.615	0.0017	21	-15 35 56.76	0.005	15	0.34	37.587	18	33.6	56.84	16	33.6	G0 J	12A	7470	A -15 5490
69		9.4A	49 38.724	0.0043	21	-13 52 8.63	-0.011	15	0.34	38.654	18	33.6	8.46	16	33.6	G5 J	12A	7471	A -14 5576
70		7.9Q	49 40.567	0.0016	13	-11 5 8.54	0.018	12	0.65	40.491	19	01.2	9.44	18	00.1	K2	GC	27509	-11 5162
71		8.8A	49 40.894	0.0012	18	-18 28 23.11	-0.007	13	0.31	40.874	18	33.6	22.99	16	33.6	A0 J	12B	8518	A -18 5513
72		8.6A	49 43.346	0.0018	20	-19 30 12.90	-0.013	15	0.33	43.316	18	33.6	12.69	16	33.6	K5 J	12B	8519	A -19 5634
73		8.7A	49 53.168	0.0010	18	-13 25 36.86	0.058	20	0.35	53.151	18	33.6	37.81	16	33.6	A0 J	11	6994	A -13 5501
74		9.1A	49 53.926	0.0022	18	-15 32 44.52	-0.002	13	0.31	53.890	18	33.6	44.49	16	33.6	B9 J	12A	7472	A -15 5492
75		9.0A	50 0.749	-0.0010	21	-17 9 36.46	-0.002	15	0.34	0.766	18	33.6	38.43	16	33.6	F8 J	12A	7473	A -17 5779
76		9.4A	50 13.473	0.0015	21	-15 12 17.41	-0.011	15	0.34	13.449	18	33.6	17.23	16	33.6	A J	12A	7474	A -15 5494
77		8.9A	50 14.139	0.0009	17	-11 47 33.22	-0.009	18	0.33	14.124	18	33.6	33.07	16	33.6	K5 J	11	6995	A -12 5567
78		9.0A	50 15.900	0.0014	18	-11 10 14.55	-0.001	13	0.31	15.878	18	33.6	14.53	16	33.6	F5 J	12A	7475	A -15 5495
79		8.8A	50 16.455	-0.0020	20	-19 23 42.55	-0.023	15	0.33	16.487	18	33.6	42.17	16	33.6	K2 J	12B	8523	A -19 5637
80		6.4T	50 17.153	-0.0005	12	-14 43 57.84	-0.042	11	0.56	17.175	10	03.3	55.86	10	02.8	A2	GC	27525	-14 5578
81		9.1A	50 23.457	0.0011	20	-19 52 9.55	-0.040	15	0.33	23.439	16	33.6	8.90	16	33.6	F5 J	13A	8524	A -20 5747
82		8.9A	50 30.914	0.0036	20	-18 2 20.63	0.019	15	0.33	30.855	18	33.6	20.95	16	33.6	G0 J	12B	8525	A -18 5520
83		8.6A	50 35.981	0.0039	18	-11 55 11.21	0.117	20	0.35	35.917	18	33.6	13.13	16	33.6	K0 J	11	6996	A -12 5569
84		8.6A	50 45.181	-0.0006	15	-10 14 23.01	-0.057	15	0.30	45.171	18	33.6	22.07	16	33.6	F5 J	11	6997	A -10 5210
85		8.0A	50 53.868	-0.0005	21	-14 18 18.05	-0.008	15	0.34	53.876	18	33.6	17.92	16	33.6	F5 J	12A	7477	A -14 5581
86		8.9A	50 54.183	0.0001	15	-11 3 57.91	0.008	17	0.31	54.181	18	33.6	58.05	16	33.6	F5 J	11	6998	A -11 5168
87		8.5A	50 57.136	0.0017	21	-16 46 33.42	0.028	15	0.34	57.108	18	33.6	33.09	16	33.6	K0 J	12A	7478	A -17 5785
88		8.6A	51 4.781	0.0006	15	-12 55 46.27	-0.002	17	0.31	4.771	18	33.6	46.24	16	33.6	A2 J	11	6999	A -13 5505
89		9.1A	51 8.733	-0.0002	20	-18 14 38.62	-0.109	15	0.33	8.737	18	33.6	36.83	16	33.6	G5 J	12B	8529	A -18 5524
90		9.0A	51 13.808	0.0016	21	-13 59 0.90	-0.029	15	0.34	13.781	18	33.6	0.43	16	33.6	K0 J	12A	7480	A -14 5582
91		8.8A	51 16.160	0.0032	21	-17 32 38.54	0.039	15	0.34	16.108	18	33.6	39.17	16	33.6	F2 J	12A	7479	A -17 5787
92		9.0A	51 19.936	0.0009	20	-19 26 50.62	0.011	15	0.33	19.923	18	33.6	50.80	16	33.6	G5 J	12B	8530	A -19 5639
93		8.7A	51 20.606	0.0007	15	-12 49 25.43	-0.022	17	0.31	20.595	18	33.6	25.79	16	33.6	A3 J	11	7000	A -13 5506
94		9.4A	51 26.226	-0.0003	21	-15 26 3.58	0.026	15	0.34	26.231	18	33.6	4.01	16	33.6	K2 J	12A	7481	A -15 5501
95		7.9A	51 36.232	-0.0001	17	-19 4 1.72	-0.036	12	0.29	36.234	18	33.6	1.13	16	33.6	K5 J	12B	8532	A -19 5642
96		9.2A	51 39.618	-0.0001	20	-19 35 24.23	0.018	15	0.33	39.619	18	33.6	24.52	16	33.6	A0 J	13A	8533	A -19 5643
97		8.5A	51 40.840	0.0002	15	-12 29 33.24	0.006	17	0.31	40.837	18	33.6	33.34	16	33.6	A5 J	11	7001	A -12 5574
98		7.9A	51 45.901	-0.0022	17	-10 14 40.82	-0.066	18	0.33	45.937	18	33.6	39.74	16	33.6	F5 J	11	7002	A -10 5217
99		8.4A	51 50.302	-0.0004	21	-16 2 43.53	-0.016	15	0.34	50.309	18	33.6	43.27	16	33.6	A0 J	12A	7482	A -16 5454
00		9.2A	51 52.566	0.0007	21	-13 58 22.75	-0.008	15	0.34	52.555	18	33.6	22.63	16	33.6	K0 J	12A	7483	A -14 5583

163100

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ s	σ_μ .001	δ_{1950} ° ′ ″	μ' ″	σ'_μ .001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ .01	ep.	δ_2 ″	σ' .01	ep.	SP.	SOURCE CAT.	STAR NUMBER	-10° 19H DM NUMBER
1		9.0A	19 52 3.304	-0.0004	21	-17 10 58.37	0.005	15	0.34	3.311	18	33.6	58.45	16	33.6	AO J	12A	7484	A -17 5791
2		8.7A	52 7.068	-0.0012	20	-18 53 58.62	0.022	15	0.33	7.089	18	33.6	58.98	16	33.6	KO J	12B	8535	A -19 5647
3		8.0A	52 7.936	-0.0011	21	-13 40 57.74	-0.028	15	0.34	7.954	18	33.6	57.29	16	33.6	A3 J	12A	7485	A -13 5512
4		8.9A	52 16.958	-0.0013	21	-13 54 57.02	-0.015	15	0.34	16.980	18	33.6	56.78	16	33.6	A2 J	12A	7486	A -14 5585
5		9.0A	52 18.220	-0.0006	21	-14 24 6.46	-0.050	15	0.34	18.230	18	33.6	5.65	16	33.6	GO J	12A	7487	A -14 5586
6		9.4A	52 21.381	0.0015	21	-16 54 9.85	0.009	15	0.34	21.356	18	33.6	10.01	16	33.6		12A	7488	A -17 5794
7		6.9T	52 29.319	0.0031	10	-19 25 32.24	-0.012	09	0.49	29.170	15	01.7	31.62	14	99.0	FO	GC	27576	-19 5650
8		9.0A	52 44.839	0.0009	18	-13 41 45.06	-0.001	13	0.31	44.825	18	33.6	45.04	16	33.6	F2 J	12A	7490	A -13 5518
9		9.0A	52 45.025	0.0017	21	-17 41 36.11	-0.029	15	0.34	44.997	18	33.6	35.64	16	33.6	FO J	12A	7489	A -17 5795
10		8.8A	52 46.696	0.0010	15	-10 42 34.76	-0.071	17	0.31	46.679	18	33.6	33.60	16	33.6	F8 J	11	7007	A -10 5223
11		9.0A	52 56.244	0.0001	15	-10 55 54.33	0.023	17	0.31	56.242	18	33.6	54.71	16	33.6	K5 J	11	7009	A -11 5175
12		8.5A	53 2.800	0.0023	20	-19 0 29.24	0.003	15	0.33	2.763	18	33.6	29.28	16	33.6	F5 J	12B	8540	A -19 5653
13		8.8A	53 6.149	0.0011	21	-15 32 16.90	0.013	15	0.34	6.131	18	33.6	17.11	16	33.6	A0 J	12A	7491	A -15 5504
14		9.4A	53 6.488	0.0024	21	-14 33 30.14	-0.013	15	0.34	6.449	18	33.6	29.93	16	33.6	F5 J	12A	7492	A -14 5590
15		8.9A	53 6.632	0.0000	15	-12 35 57.11	-0.009	17	0.31	6.631	18	33.6	56.96	16	33.6	A0 J	11	7010	A -12 5581
16		9.0A	53 13.122	0.0009	15	-11 25 14.96	0.009	17	0.31	13.107	18	33.6	15.11	16	33.6	A2 J	11	7012	A -11 5176
17		9.1A	53 28.806	0.0050	17	-13 28 43.65	-0.001	18	0.33	28.724	18	33.6	43.63	16	33.6	A0 J	11	7013	A -13 5522
18		9.1A	53 29.097	-0.0036	15	-13 28 53.18	0.056	17	0.31	29.156	18	33.6	54.09	16	33.6	A0 J	11	7014	A -13 5522
19		9.3A	53 29.346	0.0012	21	-14 9 18.10	0.024	15	0.34	29.327	18	33.6	18.90	16	33.6	K5 J	12A	7494	A -14 5593
20		8.9A	53 31.488	-0.0015	21	-16 30 20.37	-0.002	15	0.34	31.513	18	33.6	20.35	16	33.6	K5 J	12A	7493	A -16 5457
21		8.9A	53 33.893	0.0015	15	-11 27 32.43	-0.011	15	0.30	33.869	18	33.6	32.25	16	33.6	F8 J	11	7015	A -11 5178
22		8.3A	53 43.913	0.0006	21	-15 50 16.34	0.029	15	0.34	43.903	18	33.6	16.82	16	33.6	G5 J	12A	7495	A -16 5458
23		9.0A	53 47.688	-0.0007	20	-18 3 19.28	0.012	15	0.33	47.699	18	33.6	19.47	16	33.6	B5 J	12B	8544	A -18 5536
24		8.7A	53 53.889	-0.0067	20	-17 52 36.36	0.044	15	0.33	53.999	18	33.6	37.09	16	33.6	GO J	12B	8545	A -18 5537
25		9.0A	53 55.187	0.0015	20	-18 22 50.09	0.007	15	0.33	55.163	18	33.6	50.21	16	33.6	K2 J	12B	8546	A -18 5538
26		9.3A	53 56.110	-0.0013	15	-12 35 6.22	0.004	17	0.31	56.132	18	33.6	6.28	16	33.6	A0 J	11	7016	A -12 5585
27		8.6A	53 57.135	0.0016	21	-16 44 58.26	-0.009	15	0.34	57.109	18	33.6	58.12	16	33.6	B9 J	12A	7497	A -16 5461
28		8.7A	54 5.519	0.0001	20	-18 29 46.33	-0.022	15	0.33	5.518	18	33.6	45.96	16	33.6	K5 J	12B	8548	A -18 5539
29		9.0A	54 7.608	0.0004	20	-19 41 42.82	-0.014	15	0.33	7.602	16	33.6	42.59	16	33.6	K2 J	13A	8549	A -19 5656
30		8.6A	54 19.575	0.0011	15	-12 41 59.03	0.007	17	0.31	19.556	18	33.6	59.15	16	33.6	KO J	11	7017	A -12 5590
31		9.0A	54 21.344	-0.0011	15	-11 52 5.42	-0.018	15	0.30	21.362	18	33.6	5.13	16	33.6	K2 J	11	7018	A -12 5991
32		9.5A	54 27.354	-0.0014	21	-15 24 38.59	0.002	15	0.34	27.377	18	33.6	38.62	16	33.6	A0 J	12A	7498	A -15 5512
33		9.0A	54 27.920	-0.0007	20	-18 58 41.88	-0.000	15	0.33	27.930	18	33.6	41.88	16	33.6	F2 J	12B	8550	A -19 5659
34		8.9A	54 32.168	0.0012	20	-19 39 42.54	-0.006	15	0.33	32.148	16	33.6	42.44	16	33.6	K2 J	13A	8551	A -19 5661
35		8.8A	54 33.109	-0.0056	15	-12 41 44.49	-0.509	17	0.31	33.200	18	33.6	36.14	16	33.6	K5 J	11	7019	A -12 5594
36		9.2A	54 36.743	0.0021	21	-17 13 9.24	-0.005	15	0.34	36.708	18	33.6	9.17	16	33.6	B9 J	12A	7499	A -17 5804
37		8.6A	54 44.634	0.0003	21	-15 35 20.90	-0.005	15	0.34	44.630	18	33.6	20.82	16	33.6	G5 J	12A	7500	A -15 5513
38		7.6A	54 49.655	-0.0005	15	-10 10 23.19	-0.005	17	0.31	49.663	18	33.6	23.11	16	33.6	A0 J	11	7021	A -10 5230
39		9.1A	54 50.430	0.0005	15	-12 10 6.53	0.016	15	0.30	50.421	18	33.6	6.79	16	33.6	A0 J	11	7020	A -12 5597
40		8.8A	55 0.165	0.0001	15	-12 51 45.87	0.002	15	0.30	0.163	18	33.6	45.90	16	33.6	K5 J	11	7022	A -13 5529
41		5.0H	55 6.936	0.0009	01	-15 37 32.32	-0.098	02	0.06	6.902	03	14.6	29.04	03	16.6	A0	F4	1522	-15 5516
42		8.7A	55 10.288	-0.0001	18	-18 25 20.75	0.000	13	0.31	10.290	18	33.6	20.76	16	33.6	KO J	12B	8553	A -18 5544
43		9.0A	55 11.727	-0.0009	15	-10 9 57.62	-0.022	17	0.31	11.743	18	33.6	57.26	16	33.6	K2 J	11	7023	A -10 5231
44		8.4A	55 19.874	-0.0012	21	-15 6 44.42	-0.013	15	0.34	19.895	18	33.6	44.21	16	33.6	K2 J	12A	7502	A -15 5518
45		8.7A	55 20.401	0.0020	20	-18 45 18.74	-0.065	15	0.33	20.368	18	33.6	17.67	16	33.6	F5 J	12B	8554	A -19 5666
46		8.1A	55 21.211	-0.0009	17	-16 6 17.37	-0.035	11	0.28	21.226	18	33.6	16.79	16	33.6	A0 J	12A	7503	A -16 5469
47		9.3A	55 29.036	0.0001	21	-16 19 1.85	-0.022	15	0.34	29.035	18	33.6	1.50	16	33.6	KO J	12A	7504	A -16 5470
48		8.8A	55 29.037	-0.0053	21	-14 27 18.94	-0.048	15	0.34	29.124	18	33.6	18.16	16	33.6	F8 J	12A	7505	A -14 5601
49		9.2A	55 37.153	0.0003	21	-14 8 48.89	-0.038	15	0.34	37.149	18	33.6	48.28	16	33.6	F5 J	12A	7506	A -14 5603
50		8.4A	55 41.047	-0.0019	18	-18 31 2.97	0.010	13	0.31	41.077	18	33.6	3.14	16	33.6	FO J	12B	8556	A -18 5549
51		8.9A	19 55 41.419	-0.0015	17	-15 53 10.36	0.001	12	0.29	41.443	18	33.6	10.38	16	33.6	K2 J	12A	7507	A -16 5471
52		9.3A	56 6.884	-0.0010	15	-13 28 17.51	-0.002	17	0.31	6.900	18	33.6	17.48	16	33.6	K7 J	11	7024	A -13 5536
53		8.8A	56 7.140	-0.0011	15	-10 28 47.45	-0.016	17	0.31	7.158	18	33.6	47.19	16	33.6	K5 J	11	7026	A -10 5234
54		9.3G	56 8.935	0.0032	12	-13 26 7.82	0.023	09	0.49	8.803	19	09.3	8.92	21	02.4	K7	GC	27663	-13 5537
55		8.5A	56 10.164	0.0033	20	-18 5 44.62	0.017	15	0.33	10.111	18	33.6	44.89	16	33.6	A2 J	12B	8561	A -18 5553
56		8.7A	56 12.228	-0.0020	15	-11 36 45.48	-0.055	17	0.31	12.260	18	33.6	44.58	16	33.6	KO J	11	7027	A -11 5187
57		9.3A	56 16.757	0.0008	21	-15 8 5.55	-0.003	15	0.34	16.745	18	33.6	5.50	16	33.6	M0 J	12A	7508	A -15 5523
58		8.8A	56 17.024	-0.0001	15	-12 5 53.44	0.009	17	0.31	17.025	18	33.6	53.59	16	33.6	F5 J	11	7028	A -12 5603
59		9.0A	56 18.084	0.0020	15	-12 20 7.77	0.000	15	0.30	18.052	18	33.6	7.77	16	33.6	GO J	11	7029	A -12 5602
60		8.8A	56 21.619	-0.0031	21	-16 10 12.48	-0.011	15	0.34	21.670	18	33.6	12.30	16	33.6	KO J	12A	7509	A -16 5473
61		8.6A	56 22.587	0.0025	20	-19 44 14.57	-0.012	15	0.33	22.545	16	33.6	14.37	16	33.6	KO J	13A	8563	A -19 5670
62		8.9A	56 23.220	0.0044	15	-11 51 51.93	0.013	17	0.31	23.147	18	33.6	52.14	16	33.6	F8 J	11	7031	A -12 5606
63		8.8A	56 24.938	-0.0018	15	-10 41 33.57	0.000	17	0.31	24.967	18	33.6	33.57	16	33.6	FO J	11	7032	A -10 5235
64		8.6A	56 38.990	0.0023	15	-10 40 38.82	0.020	15	0.30	38.952	18	33.6	39.15	16	33.6	FO J	11	7034	A -10 5236
65		9.3A	56 41.730	-0.0000	18	-17 45 41.48	0.000	13	0.31	41.731	18	33.6	41.49	16	33.6	F5 J	12B	8565	A -18 5557
66		7.7A	56 48.166	-0.0010	13	-11 51 13.53	-0.036	15	0.29	48.183	18	33.6	12.94	16	33.6	A5 J	11	7035	A -12 5607
67		8.8A	56 52.159	0.0005	15	-12 10 6.21	-0.016	15	0.30	52.150	18	33.6	5.95	16	33.6	KO J	11	7036	A -12 5608
68		5.9T	57 4.250	-0.0186	06	-10 5 25.03	-0.398	05	0.29	5.178	10	00.2	3.32	10	95.4	F8	GC	27689	B*-10 5238
69		9.0A	57 4.445	0.0005	21	-15 50 26.66	0.001	15	0.34	4.436	18	33.6	26.68	16	33.6	K2 J	12A	7511	A -16 5477
70		9.0G	57 29.364	0.0035	20	-13 7 51.93	-0.057	20	0.83	29.219	18	09.2	49.56	19	08.4	G5	GC	27702	-13 5542
71		7.8T	57 36.060	-0.0028	14	-19 59 44.11	-0.019	13	0.66	36.192	10	03.4	43.23	10	02.9	KO	GC	27705	-20 5784
72		9.2A	57 37.811	0.0004	17	-10 6 34.85	-0.017	18	0.33	37.805	18	33.6	34.57	16	33.6	F2 J	11	7039	A -10 5239
73		7.6A	57 39.634	-0.0008	18	-16 1 29.04	-0.009	13	0.31	39.648	18	33.6	28.89	16	33.6	F5 J	12A	7512	A -16 5478
74		9.1A	57 45.507	0.0022	21	-16 1 14.05	0.004	15	0.34	45.472	18	33.6	14.13	16	33.6	KO J	12A	7513	A -16 5479
75		8.5A	57 49.273	0.0007	20	-18 25 39.13	0.005	15	0.33	49.261	18	33.6	39.22	16	33.6	M1 J	12B	8570	A -18 5563
76		8.9A	57 52.156	-0.0009	20	-18 5 37.37	0.012	15	0.33	52.172	18	33.6	37.56	16	33.6	KO J	12B	8571	A -18 5564
77		8.8A	57 57.116	-0.0039	21	-15 51 45.25	-0.031	15	0.34	57.180	18	33.6	44.74	16	33.6	GO J	12A	7514	A -16 5480
78		8.3A	57 57.648	0.0017	15	-11 37 8.26	0.014	17	0.31	57.620	18	33.6	8.49	16	33.6	K5 J	11	7040	A -11 5194
79		8.8A	58 8.194	-0.0011	17	-11 41 4.22	0.010	18	0.33	8.212	18	33.6	4.38	16	33.6	K5 J	11	7041	A -11 5197
80		9.4A	58 13.128	0.0030	21	-17 32 46.21	-0.005	15	0.34	13.078	18	33.6	46.14	16	33.6	F8 J	12A	7515	A -17 5827
81		7.6T	58 14.899	-0.0206	13	-12 23 21.62	-0.364	12	0.71	16.011	18	96.1	1.50	17	94.7	GO	GC	27729	B*-12 5613
82		8.0A	58 18,171	0.0006	21	-14 4 46.53	-0.008	15	0.34	18.161	18	33.6	46.41	16	33.6	KO J	12A	7516	A -14 5613
83		9.2A	58 19.506	0.0005	21	-14 5 36.50	0.004	15	0.34	19.498	18	33.6	36.57	16	33.6		12A	7518	A -14 5614
84		9.0A	58 21.497	-0.0027	18	-16 42 20.09	-0.076	13	0.31	21.541	18	33.6	18.85	16	33.6	GO J	12A	7517	A -16 5481
85		9.1A	58 21.928	-0.0017	21	-14 49 15.31	-0.044	15	0.34	21.957	18	33.6	14.59	16	33.6	K7 J	12A	7519	A -15 5531
86		8.7A	58 25.162	0.0026	18	-11 59 25.44	0.001	20	0.35	25.119	18	33.6	25.46	16	33.6	KO J	11	7043	A -12 5617
87		9.4A	58 26.259	-0.0018	21	-15 21 33.78	-0.012	15	0.34	26.288	18	33.6	33.58	16	33.6	A2 J	12A	7520	A -15 5532
88		8.1A	58 30.550	0.0014	17	-10 55 12.77	-0.024	18	0.33	30.527	18	33.6	12.38	16	33.6	A0 J	11	7044	A -11 5199
89		7.8A	58 30.725	0.0010	21	-14 52 55.19	-0.014	15	0.34	30.709	18	33.6	54.96	16	33.6	A2 J	12A	7521	A -15 5534
90		8.2A	58 40.883	0.0101	21	-17 0 25.90	-0.065	15	0.34	40.718	18	33.6	24.84	16	33.6	GO J	12A	7522	A -17 5832
91		8.7A	58 42.386	0.0054	17	-10 58 6.39	-0.024	18	0.33	42.298	18	33.6	6.00	16	33.6	KO J	11	7047	A -11 5201
92		8.3A	58 59.592	-0.0005	20	-17 41 22.29	0.002	15	0.33	59.601	18	33.6	22.32	16	33.6	A2 J	12B	8575	A -17 5835
93		8.0A	59 7.208	0.0013	20	-19 14 19.15	-0.008	15	0.33	7.188	18	33.6	19.01	16	33.6	F5 J	12B	8576	A -19 5680
94		9.3A	59 7.461	-0.0020	20	-18 2 23.88	0.020	15	0.33	7.494	18	33.6	24.22	16	33.6	KO J	12B	8577	A -18 5570
95		5.8T	59 10.586	0.0024	03	-13 46 37.65	0.018	03	0.15	10.464	05	99.7	38.58	05	99.1	A2	GC	27758	B*-14 5618
96		9.2A	59 13.126	0.0005	17	-12 40 35.60	-0.006	18	0.33	13.118	18	33.6	35.50	16	33.6	M0 J	11	7050	A -12 5619
97		9.0A	59 32.605	0.0008	17	-12 5 48.75	-0.001	18	0.33	32.592	18	33.6	48.73	16	33.6	A3 J	11	7052K	A -12 5621
98		9.0A	59 38.666	0.0016	20	-18 2 42.77	-0.002	15	0.33	38.639	18	33.6	42.75	16	33.6	GO J	12B	8579	A -18 5574
99		8.2A	59 41.224	0.0015	17	-11 58 27.06	0.016	18	0.33	41.199	18	33.6	27.32	16	33.6	K2 J	11	7053	A -12 5623
00		8.4A	59 42.963	-0.0015	21	-16 0 53.13	-0.001	15	0.34	42.988	18	33.6	53.11	16	33.6	KO J	12A	7525	A -16 5485

163200

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NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	EPOCH 1950 μ s	EPOCH 1950 σ_μ .001	EPOCH 1950 δ_{1950} ° ′ ″	EPOCH 1950 μ' ″	EPOCH 1950 $\sigma_{\mu'}$ .001	EPOCH 1950 σ_{1950} ″	ORIGINAL EPOCH α_2 s	ORIGINAL EPOCH σ .01	ORIGINAL EPOCH ep.	ORIGINAL EPOCH δ_2 ″	ORIGINAL EPOCH σ' .01	ORIGINAL EPOCH ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	DM NUMBER
1		9.1A	19 59 48.002	-0.0004	20	-19 15 46.96	0.009	15	0.33	48.007	18	33.6	47.11	16	33.6	F0 J	12B	8580	A -19 5683
2		8.6A	59 48.044	-0.0009	15	-12 50 52.44	0.002	17	0.31	48.059	18	33.6	52.47	16	33.6	A0 J	11	7054	A -13 5557
3		8.5A	59 53.569	0.0018	17	-11 42 24.13	-0.013	18	0.33	53.540	18	33.6	23.92	16	33.6	A5 J	11	7055	A -11 5207
4		9.4A	59 53.655	-0.0019	20	-18 21 27.59	0.017	15	0.33	53.686	18	33.6	27.86	16	33.6	F2 J	12B	8581	A -18 5575
5		8.9A	59 56.251	0.0000	18	-18 18 45.13	0.025	13	0.31	56.251	18	33.6	45.55	16	33.6	K0 J	12B	8582	A -18 5576
6		9.4A	59 56.773	0.0003	20	-18 21 53.73	0.010	15	0.33	56.768	18	33.6	53.90	16	33.6	A2 J	12B	8583	A -18 5577
7		9.0A	59 57.781	-0.0019	18	-16 12 18.89	-0.023	13	0.31	57.813	18	33.6	18.51	16	33.6	A0 J	12A	7526	A -16 5487
8		7.3A	20 0 1.511	0.0040	20	-18 41 9.79	-0.069	15	0.33	1.445	18	33.6	8.66	16	33.6	G0 J	12B	8585	A -18 5578
9		9.0A	0 6.198	0.0003	21	-15 19 39.79	0.022	15	0.34	6.193	18	33.6	40.15	16	33.6	A0 J	12A	7527	A -15 5539
10		8.0A	0 13.858	-0.0004	21	-17 29 19.06	0.001	15	0.34	13.865	18	33.6	19.08	16	33.6	K0 J	12A	7528	A -17 5839
11		7.7T	0 20.156	-0.0012	12	-18 22 59.91	0.010	09	0.58	20.219	21	98.7	0.48	18	95.5	F5	GC	27787	-18 5581
12		8.3A	0 29.640	-0.0029	15	-12 33 20.61	-0.026	17	0.31	29.687	18	33.6	20.18	16	33.6	K0 J	11	7057	A -12 5628
13		7.2T	0 43.654	0.0025	06	-15 33 16.85	-0.002	06	0.32	43.534	09	01.3	16.76	09	00.6	F5	GC	27797	-15 5541
14		9.4A	0 43.772	0.0004	21	-14 32 25.69	0.021	15	0.34	43.766	18	33.6	26.03	16	33.6	A0 J	12A	7530	A -14 5626
15		9.3A	0 43.813	-0.0002	00	-19 5 57.81	-0.026	15	0.24	43.817	18	33.6	57.39	16	33.6	K0 J	12B	8587	A -19 5686
16		8.8A	0 49.254	0.0010	21	-16 53 20.23	0.023	15	0.34	49.238	18	33.6	20.62	16	33.6	K0 J	12A	7531	A -17 5841
17		8.9A	0 58.543	0.0000	20	-18 55 48.45	0.002	15	0.33	58.543	18	33.6	48.48	16	33.6	K2 J	12B	8588	A -19 5689
18		9.2A	1 4.225	0.0013	21	-15 18 56.90	0.006	15	0.34	4.203	18	33.6	57.00	16	33.6	K5 J	12A	7533	A -15 5542
19		9.0A	1 5.229	0.0013	21	-16 46 24.68	0.020	15	0.34	5.208	18	33.6	25.01	16	33.6	G5 J	12A	7532	A -17 5843
20		9.2A	1 6.275	0.0069	21	-15 11 45.25	0.003	15	0.34	6.163	18	33.6	45.30	16	33.6	G0 J	12A	7534	A -15 5543
21		9.0A	1 12.444	-0.0006	15	-12 54 1.25	0.030	17	0.31	12.454	18	33.6	1.74	16	33.6	A0 J	11	7058	A -13 5562
22		9.2A	1 13.932	0.0026	21	-16 36 5.18	-0.039	15	0.34	13.889	18	33.6	4.54	16	33.6	K0 J	12A	7535	A -16 5489
23		9.0A	1 21.867	0.0015	15	-11 56 55.52	0.045	17	0.31	21.862	18	33.6	56.26	16	33.6	A3 J	11	7059	A -12 5634
24		9.2A	1 30.142	-0.0007	20	-17 36 15.63	0.017	15	0.33	30.154	18	33.6	15.90	16	33.6	F2 J	12B	8593	A -17 5847
25		9.0A	1 30.564	0.0017	21	-15 50 57.63	0.015	15	0.34	30.537	18	33.6	57.87	16	33.6		12A	7537	A -16 5491
26		9.0A	1 30.800	0.0012	21	-16 3 24.44	0.001	15	0.34	30.781	18	33.6	24.46	16	33.6	G5 J	12A	7538	A -16 5490
27		9.0A	1 30.889	0.0009	21	-15 48 50.97	-0.004	15	0.34	30.874	18	33.6	50.90	16	33.6	B9 J	12A	7539	A -16 5492
28		8.5A	1 36.066	0.0017	15	-12 20 42.94	0.015	17	0.31	36.038	18	33.6	43.19	16	33.6	K2 J	11	7060	A -12 5635
29		8.5A	1 38.151	0.0033	15	-11 58 44.13	-0.022	17	0.31	38.097	18	33.6	43.77	16	33.6	G0 J	11	7061	A -12 5636
30		9.3A	1 39.161	0.0023	13	-10 41 43.30	-0.033	15	0.29	39.124	18	33.6	42.76	16	33.6	A0 J	11	7062	A -10 5259
31		9.3A	1 40.546	-0.0009	18	-16 37 17.75	0.012	13	0.31	40.561	18	33.6	17.95	16	33.6	K7 J	12A	7540	A -16 5494
32		9.0A	1 48.011	0.0049	15	-13 24 22.16	-0.042	17	0.31	47.931	18	33.6	21.47	16	33.6	G5 J	11	7063	A -13 5565
33		9.2A	1 49.219	-0.0003	21	-14 45 9.31	0.010	15	0.34	49.223	18	33.6	9.47	16	33.6	A0 J	12A	7542	A -15 5547
34		9.1A	1 49.656	0.0020	21	-15 8 29.30	0.009	15	0.34	49.622	18	33.6	29.45	16	33.6	K0 J	12A	7541	A -15 5549
35		8.8A	1 51.492	0.0031	21	-16 10 2.20	-0.004	15	0.34	51.441	18	33.6	2.14	16	33.6	G5 J	12A	7543	A -16 5495
36		9.2A	1 57.623	0.0006	17	-10 38 24.32	-0.014	17	0.32	57.613	18	33.6	24.09	16	33.6	A0 J	11	7065	A -10 5263
37		9.1A	2 1.479	0.0046	21	-16 26 43.88	-0.035	15	0.34	1.403	18	33.6	43.31	16	33.6	G0 J	12A	7544	A -16 5496
38		9.1A	2 3.661	0.0011	15	-10 39 51.48	0.017	18	0.32	3.643	18	33.6	51.76	16	33.6	A0 J	11	7066	A -10 5264
39		9.1A	2 5.573	-0.0016	20	-17 55 36.52	0.012	15	0.33	5.599	18	33.6	36.71	16	33.6	K2 J	12B	8596	A -18 5586
40		9.0A	2 8.725	0.0016	18	-18 54 51.19	0.012	13	0.31	8.699	18	33.6	51.39	16	33.6	A3 J	12B	8599	A -19 5697
41		8.4A	2 15.855	-0.0006	13	-10 43 26.11	0.017	15	0.29	15.866	18	33.6	26.39	16	33.6	A0 J	11	7068	A -10 5267
42		8.3A	2 16.726	0.0014	15	-12 6 24.80	0.012	17	0.31	16.703	18	33.6	25.00	16	33.6	A5 J	11	7067	A -12 5639
43		8.7A	2 18.449	-0.0004	15	-10 52 8.34	0.002	17	0.31	18.456	18	33.6	8.37	16	33.6	B9 J	11	7069	A -11 5217
44		9.0A	2 19.285	-0.0017	20	-18 51 4.92	-0.002	15	0.33	19.313	18	33.6	4.89	16	33.6	F5 J	12B	8600	A -19 5700
45		6.5T	2 19.794	-0.0003	04	-11 44 32.17	-0.012	04	0.23	19.812	10	95.2	31.48	10	92.3	F5	GC	27850	B#-12 5641
46		8.9A	2 21.451	0.0021	15	-11 2 10.60	-0.040	17	0.31	21.416	18	33.6	9.95	16	33.6	F2 J	11	7071	A -11 5218
47		8.6A	2 23.024	0.0032	15	-10 38 0.67	0.014	17	0.31	24.972	18	33.6	0.90	16	33.6	A0 J	11	7072	A -10 5268
48		9.0A	2 26.278	-0.0011	20	-18 8 19.60	0.014	15	0.33	26.296	18	33.6	19.82	16	33.6	K2 J	12B	8601	A -18 5588
49		8.1G	2 31.211	-0.0014	08	-16 30 59.84	-0.020	07	0.42	31.285	17	98.9	58.70	14	92.3	K5	GC	27854	-16 5498
50		8.6A	2 31.837	-0.0003	15	-13 0 12.30	0.003	17	0.31	31.841	18	33.6	12.35	16	33.6	K2 J	11	7073	A -13 5567
51		9.0A	20 2 34.717	-0.0000	21	-15 48 10.39	-0.001	15	0.34	34.718	18	33.6	10.38	16	33.6	A0 J	12A	7546	A -16 5499
52		9.0A	2 37.369	-0.0027	21	-15 13 48.62	0.007	15	0.34	37.414	18	33.6	48.74	16	33.6	G5 J	12A	7547	A -15 5552
53		6.4T	2 39.592	0.0004	04	-12 48 28.62	-0.049	04	0.23	39.569	10	98.3	26.00	10	96.3	A0	GC	27859	B#-13 5569
54		8.8A	2 44.724	-0.0002	00	-17 50 37.55	-0.019	15	0.24	44.728	18	33.6	37.25	16	33.6	A2 J	12B	8602	A -18 5590
55		8.6G	2 53.677	0.0003	08	-15 34 0.66	0.001	08	0.44	53.664	18	02.4	0.72	18	01.3	K0	GC	27867	-15 5554
56		9.2A	2 56.626	0.0004	21	-13 41 8.39	0.021	15	0.34	56.619	18	33.6	8.74	16	33.6	K2 J	12A	7553	A -13 5570
57		9.0A	2 57.291	-0.0014	21	-16 55 2.54	0.019	15	0.34	57.314	18	33.6	2.86	16	33.6	F8 J	12A	7551	A -17 5857
58		8.8A	2 58.106	0.0139	21	-15 53 54.86	-0.075	15	0.34	57.879	18	33.6	53.63	16	33.6	G0 J	12A	7552	A -16 5500
59		9.4A	3 7.984	-0.0001	18	-14 6 25.04	-0.006	13	0.31	7.986	18	33.6	24.95	16	33.6	F2 J	12A	7554	A -14 5636
60		8.3A	3 9.478	0.0018	20	-18 50 54.53	-0.009	15	0.33	9.449	18	33.6	54.38	16	33.6	G5 J	12B	8605	A -19 5704
61		7.5T	3 19.753	0.0005	12	-19 38 4.06	-0.013	09	0.60	19.728	21	97.7	3.36	18	95.2	A0	GC	27875	-19 5706
62		9.0A	3 19.790	-0.0002	21	-13 36 4.22	0.002	15	0.34	19.794	18	33.6	4.25	16	33.6	A2 J	12A	7555	A -13 5572
63		8.7A	3 34.974	-0.0026	18	-15 3 17.16	-0.127	13	0.31	35.018	18	33.6	15.08	16	33.6	G0 J	12A	7556	A -15 5557
64		8.3A	3 36.620	-0.0006	18	-18 27 7.76	0.010	13	0.31	36.630	18	33.6	7.93	16	33.6	G5 J	12B	8610	A -18 5593
65		8.6A	3 37.351	0.0025	17	-12 25 49.97	-0.002	18	0.33	37.309	18	33.6	49.94	16	33.6	K0 J	11	7078	A -12 5644
66		9.2A	3 39.380	0.0004	20	-19 55 21.70	0.000	15	0.33	39.373	16	33.6	21.70	16	33.6	A0 J	13A	8611	A -20 5815
67		7.6T	3 58.794	0.0004	08	-13 4 19.12	-0.017	05	0.41	58.770	18	96.7	18.05	17	86.9	K0	GC	27890K	-13 5577
68		7.5T	4 3.849	-0.0004	13	-12 35 5.21	0.000	10	0.62	3.867	21	99.9	5.22	18	97.3	A3	GC	27891	-12 5645
69		9.1A	4 6.263	-0.0021	20	-17 58 19.15	0.005	15	0.33	6.298	18	33.6	19.24	16	33.6	K2 J	12B	8613	A -18 5598
70		9.1A	4 11.187	0.0046	21	-14 37 6.59	0.010	15	0.34	11.113	18	33.6	6.75	16	33.6	K0 J	12A	7559	A -14 5640
71		9.1A	4 11.416	-0.0002	18	-15 13 44.97	-0.016	13	0.31	11.419	18	33.6	44.71	16	33.6	K2 J	12A	7558	A -15 5558
72		8.6A	4 12.128	0.0031	21	-17 20 23.24	0.021	15	0.34	12.078	18	33.6	23.59	16	33.6	F2 J	12A	7557	A -17 5860
73		8.6A	4 21.723	0.0006	15	-10 50 42.00	-0.013	15	0.30	21.713	18	33.6	41.79	16	33.6	K5 J	11	7083	A -11 5231
74		7.8A	4 26.786	-0.0010	20	-19 43 4.85	-0.030	15	0.33	26.803	16	33.6	4.36	16	33.6	G5 J	13A	8614	A -19 5714
75		9.1A	4 36.420	-0.0014	18	-17 6 23.99	-0.002	13	0.31	36.443	18	33.6	23.97	16	33.6	M0 J	12A	7560	A -17 5861
76		9.2A	4 37.044	0.0005	21	-15 24 31.73	-0.002	15	0.34	37.035	18	33.6	31.70	16	33.6	K0 J	12A	7561	A -15 5559
77		8.3A	4 51.434	0.0008	20	-19 55 21.70	-0.034	15	0.33	51.420	16	33.6	21.14	16	33.6	K0 J	13A	8619	A -20 5820
78		9.1A	4 52.376	0.0001	21	-17 8 35.43	-0.017	15	0.34	52.375	18	33.6	35.16	16	33.6	K0 J	12A	7562	A -17 5864
79		8.9A	4 52.898	0.0018	15	-10 53 48.70	0.013	17	0.31	52.869	18	33.6	48.92	16	33.6	K5 J	11	7084	A -11 5236
80		8.8A	4 53.353	-0.0014	20	-18 3 23.67	-0.008	15	0.33	53.377	18	33.6	23.53	16	33.6	K5 J	12B	8620	A -18 5603
81		8.7A	4 55.532	0.0024	20	-19 20 37.00	0.013	15	0.33	55.493	18	33.6	37.22	16	33.6	G5 J	12B	8621	A -19 5718
82		8.9A	5 5.550	0.0011	21	-16 3 34.15	-0.034	15	0.34	5.532	18	33.6	33.60	16	33.6	K0 J	12A	7563	A -16 5505
83		9.0A	5 6.211	0.0006	15	-13 32 28.46	-0.015	17	0.31	6.201	18	33.6	28.22	16	33.6	K7 J	11	7085	A -13 5582
84		8.8A	5 18.259	-0.0012	20	-18 23 45.66	0.010	15	0.33	18.278	18	33.6	45.83	16	33.6	F0 J	12B	8622	A -18 5604
85		7.0T	5 19.797	0.0008	06	-18 56 59.79	-0.005	05	0.26	19.762	09	04.5	59.54	09	01.7	B8	GC	27928	-19 5721
86		6.8T	5 30.997	0.0020	04	-15 10 36.14	-0.130	04	0.26	39.882	09	96.9	29.05	09	95.4	K0	GC	27935	-15 5564
87		8.7A	5 43.525	0.0116	21	-15 52 15.46	-0.410	15	0.34	43.335	18	33.6	8.75	16	33.6	G0 J	12A	7565	A -16 5509
88		7.5A	5 45.569	0.0044	15	-10 27 35.06	0.041	17	0.31	45.497	18	33.6	35.73	16	33.6	G5 J	11	7086	A -10 5284
89		8.5A	5 47.286	0.0023	21	-14 24 1.97	0.012	15	0.34	47.248	18	33.6	2.17	16	33.6	G5 J	12A	7566	A -14 5648
90		6.2T	5 47.298	0.0003	04	-10 12 32.06	-0.041	04	0.22	47.285	09	01.4	29.94	09	98.2	A0	GC	27939	-10 5285
91		9.0A	5 51.698	-0.0013	20	-19 40 6.24	-0.041	15	0.33	51.718	16	33.6	5.57	16	33.6	K0 J	13A	8625	A -19 5722
92		8.6A	5 55.654	-0.0037	20	-18 10 25.80	-0.039	15	0.33	55.715	18	33.6	25.17	16	33.6	G0 J	12B	8626	A -18 5607
93		8.6A	6 0.063	0.0013	21	-15 33 32.66	0.025	15	0.34	0.042	18	33.6	33.04	16	33.6	M1 J	12A	7567	A -15 5565
94		8.8A	6 6.698	-0.0003	15	-11 48 59.17	0.039	15	0.30	6.703	18	33.6	59.81	16	33.6	A2 J	11	7088	A -12 5653
95		8.3A	6 8.402	0.0053	15	-10 28 47.22	-0.010	15	0.30	8.316	18	33.6	47.05	16	33.6	G0 J	11	7089	A -10 5287
96		9.2A	6 16.105	-0.0000	21	-16 4 32.69	-0.009	15	0.34	16.105	18	33.6	32.54	16	33.6	F8 J	12A	7568	A -16 5514
97		8.1A	6 25.539	0.0009	18	-10 39 16.48	-0.026	20	0.35	25.524	18	33.6	16.06	16	33.6	K0 J	11	7090	A -10 5288
98		8.9A	6 29.451	-0.0011	18	-12 18 8.49	-0.029	20	0.35	29.470	18	33.6	8.02	16	33.6	A0 J	11	7091	A -12 5655
99		9.1A	6 39.613	-0.0012	20	-19 2 51.76	0.003	15	0.33	39.632	18	33.6	51.81	16	33.6	A2 J	12B	8629	A -19 5726
00		9.3A	6 47.955	0.0076	21	-14 25 59.26	-0.048	15	0.34	47.830	18	33.6	58.48	16	33.6	K0 J	12A	7569	A -14 5652

163300

EPOCH 1950 — ORIGINAL EPOCH — SOURCE — -10° 20H

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	α_{1950} h m s	μ s	σ_μ .001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ .001	σ_{1950} ″	α_2 s	σ .01	ep.	δ_2 ″	σ' .01	ep.	SP.		CAT.	STAR NUMBER	DM NUMBER
1		8.4A	20 6 49.299	-0.0009	20	-18 29 39.16	-0.008	15	0.33	49.315	18	33.6	39.03	16	33.6	B9	J	12B	8631	A -18 5609
2		8.5A	6 50.344	-0.0025	18	-10 18 8.71	0.020	20	0.35	50.385	18	33.6	9.04	16	33.6	G0	J	11	7092	A -10 5290
3		9.0A	6 58.454	-0.0001	21	-14 25 51.15	0.012	15	0.34	58.455	18	33.6	31.35	16	33.6	K0	J	12A	7570	A -14 5654
4		9.1A	7 1.656	-0.0014	21	-17 15 19.38	-0.020	15	0.34	1.679	18	33.6	19.05	16	33.6	B9	J	12A	7571	A -17 5875
5		8.3A	7 14.002	0.0045	18	-13 11 39.99	0.004	20	0.35	13.929	18	33.6	40.05	16	33.6	F8	J	11	7093	A -13 5593
6		9.1A	7 15.649	0.0002	20	-19 24 17.76	0.023	15	0.33	15.645	18	33.6	18.14	16	33.6	K0	J	12B	8635	A -19 5730
7		8.9A	7 15.724	0.0045	15	-12 9 0.72	-0.030	15	0.30	15.651	18	33.6	0.23	16	33.6	F5	J	11	7094	A -12 5656
8		8.4A	7 18.588	-0.0004	18	-12 58 49.19	0.042	20	0.35	18.594	18	33.6	49.88	16	33.6	A0	J	11	7095	A -13 5594
9		8.8A	7 22.500	0.0002	15	-11 30 18.61	0.040	20	0.33	22.496	18	33.6	19.27	16	33.6	A0	J	11	7096	A -11 5245
10		8.5A	7 22.514	0.0023	18	-10 41 4.64	-0.020	20	0.35	22.477	18	33.6	4.31	16	33.6	M3	J	11	7097	A -10 5294
11		7.8A	7 28.079	0.0018	15	-13 9 29.47	0.008	17	0.31	28.050	18	33.6	29.60	16	33.6	A5	J	11	7098	A -13 5597
12		9.1A	7 29.207	-0.0018	21	-13 41 59.24	-0.068	15	0.34	29.237	18	33.6	58.14	16	33.6	F8	J	12A	7572	A -13 5598
13		7.3T	7 31.748	0.0016	07	-19 31 49.60	-0.116	06	0.34	31.674	12	02.9	43.82	12	00.0	F8		GC	27978	-19 5731
14		8.8A	7 35.283	-0.0047	15	-11 54 36.81	-0.035	17	0.31	35.360	18	33.6	36.24	16	33.6	F5	J	11	7101	A -12 5657
15		8.9A	7 42.870	0.0050	15	-12 28 0.75	-0.032	17	0.31	42.788	18	33.6	0.23	16	33.6	G0	J	11	7102	A -12 5659
16		8.7A	7 59.136	-0.0002	18	-12 0 36.46	0.001	20	0.35	59.140	18	33.6	36.48	16	33.6	G5	J	11	7103	A -12 5660
17		8.6A	8 17.840	-0.0030	21	-17 7 2.91	-0.006	15	0.34	17.889	18	33.6	2.82	16	33.6	K2	J	12A	7573	A -17 5884
18		9.2A	8 18.519	0.0006	18	-12 59 6.59	-0.036	20	0.35	18.509	18	33.6	6.00	16	33.6			11	7104	A -13 5601
19		9.1A	8 20.001	0.0030	18	-19 48 16.93	0.005	15	0.30	19.953	16	33.6	17.01	16	33.6	K0	J	13A	8642	A -20 5837
20		9.0A	8 24.538	0.0007	20	-17 58 15.34	-0.027	15	0.33	24.526	18	33.6	14.89	16	33.6	K0	J	12B	8644	A -18 5615
21		9.0A	8 26.216	0.0021	15	-11 18 23.57	-0.041	17	0.31	26.182	18	33.6	22.90	16	33.6	K5	J	11	7106	A -11 5249
22		9.4A	8 28.706	0.0022	18	-15 38 46.12	-0.039	13	0.31	28.671	18	33.6	45.49	16	33.6	F8	J	12A	7574	A -15 5576
23		9.1I	8 30.184	0.0003	12	-14 25 2.37	-0.004	10	0.53	30.169	21	06.7	2.20	19	03.7			GC	28001V	B*-14 5663
24		9.6A	8 36.952	-0.0030	21	-16 0 51.78	-0.012	15	0.34	37.001	18	33.6	51.58	16	33.6	F2	J	12A	7576	A -16 5525
25		8.9A	8 42.159	-0.0003	21	-13 55 48.14	0.023	15	0.34	42.165	18	33.6	48.53	16	33.6	K0	J	12A	7577	A -14 5664
26		9.1A	8 49.803	-0.0027	15	-10 16 59.39	-0.018	17	0.31	49.847	18	33.6	59.10	16	33.6	F8	J	11	7107	A -10 5303
27		7.9A	9 1.106	0.0002	15	-12 13 34.73	0.020	17	0.31	1.102	18	33.6	35.06	16	33.6	G5	J	11	7108	A -12 5663
28		6.4T	9 11.715	-0.0006	03	-12 32 32.44	-0.016	03	0.20	11.746	10	94.6	31.52	09	91.9	K0		GC	28026	B*-12 5664
29		9.4A	9 19.754	-0.0010	21	-17 0 53.58	-0.168	15	0.34	19.770	18	33.6	50.83	16	33.6	G5	J	12A	7578	A -17 5891
30		7.8A	9 21.073	-0.0027	15	-10 51 57.51	-0.003	17	0.31	21.117	18	33.6	57.46	16	33.6	A0	J	11	7110	A -11 5254
31		7.6A	9 22.752	-0.0012	20	-18 17 42.86	-0.046	15	0.33	22.773	18	33.6	42.10	16	33.6	K0	J	12B	8649	A -18 5618
32		9.3A	9 25.209	0.0024	21	-13 50 39.04	0.023	15	0.34	25.171	18	33.6	39.42	16	33.6	A0	J	12A	7580	A -14 5666
33		9.6A	9 26.115	-0.0013	21	-17 11 2.70	-0.022	15	0.34	26.136	18	33.6	2.35	16	33.6	K2	J	12A	7579	A -17 5893
34		8.7A	9 28.715	-0.0002	20	-18 28 22.23	0.005	15	0.33	28.720	18	33.6	22.32	16	33.6	K0	J	12B	8650	A -18 5619
35		9.5A	9 29.349	0.0014	15	-11 21 21.06	-0.021	17	0.31	29.326	18	33.6	20.72	16	33.6			11	7112	A -11 5255
36		8.4A	9 32.637	0.0022	15	-11 28 31.74	0.040	17	0.31	32.601	18	33.6	32.40	16	33.6	M2	J	11	7113	A -11 5256
37		5.9T	9 38.773	0.0132	03	-12 45 55.47	-0.193	03	0.14	38.148	05	02.8	46.41	06	03.0	F5		GC	28035	B*-13 5608
38		8.8A	9 46.258	0.0034	15	-10 23 56.72	0.029	17	0.31	46.203	18	33.6	57.19	16	33.6	G0	J	11	7116	A -10 5307
39		9.4A	9 48.817	-0.0020	21	-13 49 33.83	0.001	15	0.34	48.849	18	33.6	33.86	16	33.6	A3	J	12A	7581	A -14 5668
40		9.4A	9 51.688	-0.0011	21	-15 20 49.21	0.002	15	0.34	51.705	18	33.6	49.24	16	33.6	K0	J	12A	7582	A -15 5579
41		9.0A	9 53.150	0.0002	15	-10 25 35.21	0.068	17	0.31	53.146	18	33.6	36.16	16	33.6	K2	J	11	7118	A -10 5310
42		9.0A	9 53.451	0.0013	15	-19 54 53.59	-0.007	11	0.26	53.429	16	33.6	53.48	16	33.6	F0	J	13A	8652	A -20 5852
43		8.7A	9 53.642	-0.0002	18	-18 52 6.59	-0.064	13	0.31	53.645	18	33.6	5.54	16	33.6	G0	J	12B	8653	A -19 5742
44		9.2A	9 57.054	0.0005	21	-15 24 51.60	0.021	15	0.34	57.045	18	33.6	51.95	16	33.6	K2	J	12A	7583	A -15 5580
45		9.2A	9 57.812	0.0038	21	-15 36 49.51	-0.020	15	0.34	57.751	18	33.6	49.18	16	33.6	G5	J	12A	7584	A -15 5581
46		8.9A	9 57.910	0.0000	20	-19 14 29.50	0.033	15	0.33	57.910	18	33.6	30.04	16	33.6	K0	J	12B	8654	A -19 5743
47		8.6A	10 0.015	0.0002	15	-11 18 54.34	0.038	17	0.31	0.012	18	33.6	54.96	16	33.6	A2	J	11	7119	A -11 5257
48		8.8A	10 0.243	0.0068	21	-13 56 35.24	-0.048	15	0.34	0.133	18	33.6	34.45	16	33.6	G5	J	12A	7585	A -14 5670
49		7.6Q	10 0.247	0.0004	11	-10 59 27.10	-0.004	07	0.48	0.230	18	02.9	26.89	17	96.7	K0		GC	28046	-11 5258
50		8.6A	10 1.882	0.0018	18	-10 43 32.75	0.035	20	0.35	1.853	18	33.6	33.32	16	33.6	K5	J	11	7121	A -11 5259
51		9.3A	20 10 14.855	0.0017	21	-17 28 59.14	0.003	15	0.34	14.828	18	33.6	59.19	16	33.6	K5	J	12A	7586	A -17 5899
52		8.2A	10 24.244	-0.0018	21	-17 1 51.57	0.013	15	0.34	24.274	18	33.6	51.78	16	33.6	K0	J	12A	7587	A -17 5901
53		9.4A	10 29.334	-0.0007	18	-17 3 9.72	-0.004	13	0.31	29.346	18	33.6	9.66	16	33.6	F5	J	12A	7588	A -17 5903
54		9.3A	10 32.247	-0.0016	17	-13 49 50.73	-0.007	15	0.31	32.273	18	33.6	50.62	16	33.6	K0	J	12A	7589	A -14 5671
55		9.0A	10 34.134	-0.0018	15	-10 54 15.12	-0.010	17	0.31	34.164	18	33.6	14.96	16	33.6	K5	J	11	7123	A -11 5261
56		8.7A	10 34.331	-0.0243	21	-15 34 47.96	-0.270	15	0.34	34.729	18	33.6	43.54	16	33.6	G0	J	12A	7590	A -15 5584
57		9.4A	10 38.270	-0.0005	21	-14 2 30.27	-0.001	15	0.34	38.278	18	33.6	30.26	16	33.6	A2	J	12A	7591	A -14 5672
58		9.4A	10 43.265	-0.0019	21	-17 7 2.10	-0.002	15	0.34	43.296	18	33.6	2.07	16	33.6	A5	J	12A	7592	A -17 5904
59		8.5A	10 49.378	0.0024	20	-18 33 33.00	0.004	15	0.33	49.338	18	33.6	33.06	16	33.6	A3	J	12B	8660	A -18 5623
60		8.6A	10 56.792	0.0028	21	-14 20 53.57	-0.008	15	0.34	56.747	18	33.6	53.45	16	33.6	K2	J	12A	7593	A -14 5674
61		9.1A	11 2.391	0.0006	15	-12 14 27.34	-0.013	17	0.31	2.380	18	33.6	27.13	16	33.6	G5	J	11	7124	A -12 5671
62		9.0A	11 7.516	0.0005	15	-10 41 48.45	0.021	17	0.31	7.508	18	33.6	48.80	16	33.6	K0	J	11	7125	A -10 5319
63		7.8A	11 7.582	0.0061	20	-17 49 40.68	0.027	15	0.33	7.482	18	33.6	41.12	16	33.6	G5	J	12B	8663	A -18 5624
64		8.6A	11 8.253	0.0023	21	-16 49 13.94	-0.041	15	0.34	8.215	18	33.6	13.28	16	33.6	F5	J	12A	7595	A -17 5906
65		8.4A	11 21.899	-0.0019	21	-14 2 42.37	-0.010	15	0.34	21.930	18	33.6	42.21	16	33.6	K0	J	12A	7597	A -14 5677
66		8.8A	11 22.982	-0.0009	21	-16 9 49.31	-0.020	15	0.34	22.997	18	33.6	48.98	16	33.6	K0	J	12A	7596	A -16 5535
67		8.8A	11 23.901	0.0017	15	-12 22 48.47	0.003	17	0.31	23.874	18	33.6	48.52	16	33.6	A0	J	11	7128	A -12 5674
68		9.0A	11 24.022	-0.0006	21	-13 38 30.22	0.000	15	0.34	24.031	18	33.6	30.23	16	33.6	K0	J	12A	7598	A -13 5616
69		9.0A	11 28.918	-0.0060	21	-16 45 38.24	0.052	15	0.34	29.016	18	33.6	39.10	16	33.6	K0	J	12A	7599	A -17 5909
70		7.7A	11 35.652	-0.0018	20	-18 14 48.85	0.039	15	0.33	35.682	18	33.6	49.49	16	33.6	G5	J	12B	8667	A -18 5626
71		8.6A	11 45.476	0.0037	21	-15 29 15.07	-0.014	15	0.34	45.416	18	33.6	14.84	16	33.6	F8	J	12A	7600	A -15 5592
72		8.2A	11 48.571	0.0028	21	-14 29 11.69	0.023	15	0.34	48.525	18	33.6	12.07	16	33.6	F0	J	12A	7601	A -14 5680
73		7.8Q	11 49.570	0.0022	10	-19 21 36.12	0.007	08	0.44	49.470	09	04.1	36.45	10	02.3	K5		GC	28095	-19 5753
74		8.8A	11 50.810	-0.0007	21	-15 45 57.35	-0.006	15	0.34	50.821	18	33.6	57.25	16	33.6	A5	J	12A	7602	A -16 5536
75		8.8A	11 53.208	0.0012	21	-15 30 20.60	-0.010	15	0.34	53.189	18	33.6	20.44	16	33.6	K2	J	12A	7603	A -15 5593
76		9.1A	11 57.805	0.0017	15	-11 1 43.58	-0.001	17	0.31	57.778	18	33.6	43.56	16	33.6	K2	J	11	7129	A -11 5268
77		8.6A	12 2.822	-0.0004	21	-16 54 12.35	0.012	15	0.34	2.829	18	33.6	12.55	16	33.6	K0	J	12A	7604	A -17 5910
78		7.5T	12 3.814	0.0014	09	-11 2 36.18	-0.006	08	0.55	3.732	18	89.8	35.81	17	87.5	K0		GC	28100	-11 5269
79		7.8Q	12 6.083	0.0013	09	-11 47 22.56	-0.011	08	0.45	6.023	18	02.4	22.01	15	99.0	A0		GC	28102	-12 5675
80		9.0A	12 13.121	-0.0016	21	-15 43 30.29	0.025	15	0.34	13.147	18	33.6	30.70	16	33.6	K0	J	12A	7605	A -16 5539
81		9.0A	12 16.252	-0.0016	21	-16 16 41.55	0.012	15	0.34	16.279	18	33.6	41.75	16	33.6	A5	J	12A	7606	A -16 5540
82		8.9A	12 18.995	0.0027	15	-10 58 40.39	0.026	15	0.30	18.950	18	33.6	40.82	16	33.6	F5	J	11	7133	A -11 5272
83		7.1T	12 19.830	-0.0007	09	-13 32 12.20	-0.015	10	0.46	19.861	09	03.2	11.50	10	02.7	K0		GC	28112	-13 5619
84		8.0A	12 22.689	0.0017	21	-17 0 14.77	-0.025	15	0.34	22.661	18	33.6	14.36	16	33.6	K5	J	12A	7607	A -17 5913
85		9.2A	12 24.699	0.0124	15	-10 37 10.10	0.063	15	0.30	24.495	18	33.6	11.13	16	33.6	G5	J	11	7134	A -10 5326
86		8.9A	12 32.552	0.0009	20	-18 26 6.24	-0.002	15	0.33	32.537	18	33.6	6.20	16	33.6	F8	J	12B	8674	A -18 5630
87		8.6A	12 33.862	-0.0079	21	-14 56 21.14	-0.206	15	0.34	33.992	18	33.6	17.77	16	33.6	G0	J	12A	7608	A -15 5597
88		9.0A	12 37.432	0.0018	21	-14 25 14.83	-0.009	15	0.34	37.403	18	33.6	14.68	16	33.6	G5	J	12A	7609	A -14 5684
89		8.6A	12 40.857	0.0001	21	-16 0 34.14	0.038	15	0.34	40.855	18	33.6	34.76	16	33.6	F2	J	12A	7610	A -16 5543
90		9.2A	12 49.094	0.0007	21	-15 2 35.83	0.027	15	0.34	49.083	18	33.6	36.27	16	33.6	K0	J	12A	7611	A -15 5599
91		8.7A	12 49.294	-0.0000	20	-19 3 51.58	0.010	15	0.33	49.295	18	33.6	51.75	16	33.6	K0	J	12B	8675	A -19 5756
92		9.0A	12 51.001	0.0020	15	-13 13 5.43	0.014	17	0.31	50.968	18	33.6	5.66	16	33.6	A5	J	11	7135	A -13 5621
93		9.2A	12 53.583	-0.0003	21	-14 27 36.09	0.017	15	0.34	53.589	18	33.6	36.38	16	33.6	K0	J	12A	7612	A -14 5690
94		9.1A	13 0.709	-0.0002	15	-13 21 13.69	-0.009	17	0.31	0.712	18	33.6	13.54	16	33.6	G5	J	11	7136	A -13 5622
95		9.1A	13 4.929	0.0027	13	-11 53 11.93	0.035	15	0.29	4.885	18	33.6	12.50	16	33.6	G0	J	11	7137	A -12 5678
96		8.7A	13 9.843	0.0020	15	-11 51 0.98	0.001	15	0.30	9.810	18	33.6	1.00	16	33.6	K0	J	11	7138	A -12 5679
97		9.2A	13 10.005	-0.0005	20	-19 41 40.48	-0.016	15	0.33	10.014	16	33.6	40.22	16	33.6	K2	J	13A	8676	A -19 5758
98		8.7A	13 11.019	0.0026	15	-10 18 33.61	-0.085	15	0.30	10.976	18	33.6	32.22	16	33.6	G5	J	11	7139	A -10 5332
99		7.2T	13 12.647	0.0017	09	-16 26 57.93	-0.050	07	0.45	12.560	18	97.7	55.19	15	94.8	A2		GC	28142	-16 5545
00		9.0A	13 15.695	0.0024	21	-14 26 27.63	-0.015	15	0.34	15.655	18	33.6	27.39	16	33.6	K2	J	12A	7614	A -14 5693

163400 — EPOCH 1950 — ORIGINAL EPOCH — SOURCE — −10° 20H

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.		CAT.	STAR NUMBER	DM NUMBER
1		9.0A	20 13 31.359	0.0053	21	-17 1 12.75	-0.204	15	0.34	31.272	18	33.6	9.41	16	33.6	GO	J	12A	7615	A -17 5921
2		6.4T	13 36.771	0.0006	03	-12 29 29.66	-0.012	03	0.14	36.747	07	08.6	29.14	07	06.2	B9		GC	28149K	B+-12 5680
3		9.1A	13 37.052	-0.0014	15	-10 54 35.29	0.012	17	0.31	37.075	18	33.6	35.49	16	33.6	A5	J	11	7143	A -11 5280
4		9.1A	13 38.865	0.0007	21	-16 29 52.66	0.006	15	0.34	38.853	18	33.6	52.76	16	33.6	F2	J	12A	7616	A -16 5546
5		8.9A	13 39.047	0.0029	15	-13 19 19.30	-0.020	17	0.31	39.000	18	33.6	18.97	16	33.6	G5	J	11	7142	A -13 5624
6		8.9A	13 40.761	0.0016	15	-11 24 7.58	0.004	17	0.31	40.735	18	33.6	7.65	16	33.6	F2	J	11	7145	A -11 5281
7		9.4A	13 41.752	-0.0008	21	-13 42 40.80	-0.009	15	0.34	41.765	18	33.6	40.66	16	33.6	K0	J	12A	7617	A -13 5625
8		8.1A	13 56.940	0.0016	17	-15 20 10.61	0.012	13	0.30	56.914	18	33.6	10.81	16	33.6	K0	J	12A	7618	A -15 5606
9		9.2A	13 58.816	0.0084	21	-13 33 52.20	0.006	15	0.34	58.776	18	33.6	52.31	16	33.6	M3	J	12A	7619	A -13 5627
10		9.0A	14 2.389	-0.0009	20	-16 11 24.81	-0.002	15	0.33	2.404	18	33.6	24.79	16	33.6	G0	J	12B	8681	A -16 5636
11		8.9A	14 2.858	0.0013	21	-14 21 8.29	0.004	15	0.34	2.836	18	33.6	8.36	16	33.6	A2	J	12A	7620	A -14 5607
12		7.2A	14 7.849	-0.0002	20	-18 35 12.40	0.023	15	0.33	7.851	18	33.6	12.77	16	33.6	A2	J	12B	8683	A -18 5637
13		8.6A	14 11.587	-0.0093	15	-11 7 59.08	-0.286	17	0.31	11.740	18	33.6	54.40	16	33.6	G5	J	11	7147	A -11 5285
14		8.7A	14 15.006	0.0006	21	-15 40 46.58	-0.023	15	0.34	14.996	18	33.6	46.21	16	33.6	K0	J	12A	7621	A -15 5607
15		8.8A	14 17.849	0.0001	21	-17 7 58.08	-0.015	15	0.34	17.847	18	33.6	58.32	16	33.6	F5	J	12A	7622	A -17 5924
16		8.5A	14 26.947	-0.0014	20	-19 26 8.58	-0.010	15	0.33	26.970	18	33.6	8.42	16	33.6	K0	J	12B	8686	A -19 5766
17		9.3A	14 33.167	-0.0008	21	-16 20 52.85	-0.012	15	0.34	33.181	18	33.6	52.65	16	33.6	G0	J	12A	7623	A -16 5548
18		7.4T	14 37.167	0.0004	22	-15 58 57.19	-0.036	18	0.97	37.151	26	05.2	55.48	22	02.1	A5		GC	28182	-16 5550
19		9.0A	14 41.283	0.0011	21	-14 6 59.20	0.017	15	0.34	41.265	18	33.6	59.49	16	33.6	A0	J	12A	7625	A -14 5703
20		8.4A	14 48.156	0.0019	17	-12 59 28.88	-0.056	18	0.33	48.124	18	33.6	27.96	16	33.6	K0	J	11	7149	A -13 5630
21		8.9A	14 50.633	0.0014	18	-12 40 24.46	0.025	20	0.35	50.610	18	33.6	24.87	16	33.6			11	7150	A -12 5682
22		4.5H	14 52.647	0.0013	01	-12 39 51.04	0.002	01	0.06	52.583	03	01.1	51.13	03	00.4	G0P		F4	1527	-12 5683
23		9.2A	14 53.867	0.0005	20	-19 56 33.10	-0.035	15	0.33	53.859	16	33.6	32.53	16	33.6	K0	J	13A	8687	A -20 5804
24		8.8A	15 5.892	-0.0017	20	-18 22 3.21	0.019	15	0.33	5.919	18	33.6	3.52	16	33.6	F8	J	12B	8690	A -18 5640
25		9.0A	15 8.160	-0.0006	21	-16 24 53.05	0.001	15	0.34	8.170	18	33.6	53.07	16	33.6	K2	J	12A	7627	A -16 5554
26		8.0A	15 8.374	-0.0015	20	-18 25 12.07	0.005	15	0.33	8.399	18	33.6	12.15	16	33.6	A0	J	12B	8691	A -18 5643
27		3.8H	15 16.878	0.0042	01	-12 42 4.49	-0.005	01	0.04	16.684	02	03.6	4.75	02	02.0	G5		F4	761	-12 5685
28		7.7A	15 19.059	0.0024	15	-10 45 13.03	-0.017	17	0.31	19.020	18	33.6	12.75	16	33.6	K0	J	11	7153	A -11 5290
29		9.1A	15 33.566	0.0005	20	-17 43 17.87	-0.007	15	0.33	33.558	18	33.6	17.77	16	33.6	A3	J	12B	8693	A -18 5644
30		8.9A	15 34.074	0.0006	17	-15 0 17.11	-0.038	12	0.29	34.065	18	33.6	16.49	16	33.6	A5	J	12A	7630	A -15 5613
31		9.0A	15 35.029	0.0001	21	-16 13 51.44	-0.021	15	0.34	35.028	18	33.6	51.09	16	33.6	K0	J	12A	7629	A -16 5557
32		8.8A	15 35.344	0.0014	20	-19 26 48.91	-0.074	15	0.33	35.321	18	33.6	47.70	16	33.6	F0	J	12B	8692	A -19 5771
33		8.7A	15 41.702	-0.0010	20	-19 51 10.10	-0.008	15	0.33	41.719	16	33.6	9.97	16	33.6	K2	J	13A	8694	A -20 5806
34		9.8A	15 52.763	0.0059	15	-18 0 46.44	0.049	11	0.27	52.666	18	33.6	47.25	16	33.6	F8	J	12B	8695	A -18 5646
35		7.8A	15 52.784	-0.0054	20	-18 28 55.16	-0.049	15	0.33	52.874	18	33.6	54.37	16	33.6	F8	J	12B	8696	A -18 5645
36		7.9A	16 4.557	0.0012	15	-10 2 32.03	-0.032	17	0.31	4.537	18	33.6	31.51	16	33.6	A2	J	11	7154	A -10 5344
37		8.4A	16 7.504	0.0018	17	-16 0 53.19	-0.020	12	0.29	7.475	18	33.6	52.87	16	33.6	M4	J	12A	7631	A -16 5558
38		9.0A	16 9.135	-0.0003	18	-12 10 42.01	0.009	20	0.35	9.138	18	33.6	42.16	16	33.6	A5	J	14	7155K	A -12 5686
39		8.9A	16 10.218	0.0020	15	-12 35 48.35	0.002	17	0.31	10.185	18	33.6	48.38	16	33.6	K5	J	11	7156	A -12 5687
40		7.4T	16 14.338	0.0018	08	-14 26 53.05	0.022	08	0.52	14.226	17	88.9	54.39	15	89.7	K0		GC	28225	B+-14 5708
41		9.2A	16 14.880	0.0002	21	-15 0 24.73	-0.024	15	0.34	14.876	18	33.6	24.34	16	33.6	G5	J	12A	7633	A -15 5615
42		7.7A	16 20.526	0.0000	18	-10 57 26.64	0.008	20	0.35	20.526	18	33.6	26.77	16	33.6	A0	J	11	7157	A -11 5295
43		8.9A	16 25.006	0.0013	20	-19 43 52.06	-0.034	15	0.33	24.985	16	33.6	51.51	16	33.6	G0	J	13A	8699	A -20 5807
44		9.1A	16 27.143	-0.0020	21	-16 39 19.84	-0.021	15	0.34	27.177	18	33.6	19.50	16	33.6	G5	J	12A	7634	A -16 5560
45		5.5T	16 30.618	0.0004	02	-19 16 33.69	-0.006	02	0.11	30.601	05	05.7	33.40	05	03.2	K0		GC	28233K	B+-19 5776
46		9.2A	16 31.971	0.0028	21	-15 14 3.59	-0.078	15	0.34	31.925	18	33.6	2.31	16	33.6	G0	J	12A	7635	A -15 5616
47		8.1A	16 39.697	0.0036	15	-12 57 41.24	-0.005	17	0.31	39.639	18	33.6	41.16	16	33.6	F0	J	11	7158	A -13 5635
48		9.2A	16 46.286	-0.0021	17	-11 28 0.06	-0.016	18	0.33	46.320	18	33.6	-59.80	16	33.6	M0	J	11	7159	A -11 5296
49		9.0A	16 46.364	-0.0000	21	-15 38 5.10	-0.021	15	0.34	46.365	18	33.6	4.76	16	33.6	K0	J	12A	7636	A -15 5617
50		8.0A	16 51.839	-0.0021	15	-17 38 45.51	0.005	11	0.27	51.873	18	33.6	45.60	16	33.6	K0	J	12B	8706	A -17 5936
51		8.9A	20 16 53.640	0.0034	17	-13 14 20.02	-0.043	18	0.33	53.584	18	33.6	19.32	16	33.6	F8	J	11	7160	A -13 5636
52		8.6A	16 58.340	0.0005	21	-13 36 38.26	0.001	15	0.34	58.332	18	33.6	38.29	16	33.6	K5	J	12A	7638	A -13 5637
53		8.4A	17 3.672	-0.0028	18	-15 10 31.39	-0.058	13	0.31	3.718	18	33.6	30.44	16	33.6	F8	J	12A	7639	A -15 5619
54		8.8B	17 4.733	0.0000	12	-14 25 56.54	0.008	09	0.51	4.731	18	06.0	56.94	18	02.2	K0		GC	28254	-14 5713
55		8.7A	17 14.679	0.0042	15	-11 17 38.22	0.000	17	0.31	14.610	18	33.6	38.22	16	33.6	F8	J	11	7162K	A -11 5300
56		9.0A	17 16.590	0.0087	21	-17 39 19.61	0.034	15	0.34	16.447	18	33.6	20.18	16	33.6	G0	J	12A	7641	A -17 5939
57		9.1A	17 17.396	-0.0002	15	-11 43 10.71	0.005	17	0.31	17.399	18	33.6	10.79	16	33.6	G5	J	11	7163	A -12 5693
58		9.3A	17 17.825	0.0012	21	-15 14 44.20	-0.029	15	0.34	17.806	18	33.6	43.73	16	33.6	F5	J	12A	7642	A -15 5621
59		9.1A	17 22.948	-0.0002	21	-15 45 24.06	0.014	15	0.34	22.951	18	33.6	24.30	16	33.6	K0	J	12A	7643	A -16 5565
60		9.0A	17 24.910	0.0050	21	-14 53 52.78	0.030	15	0.34	24.829	18	33.6	53.27	16	33.6	G0	J	12A	7644	A -15 5622
61		9.1A	17 34.411	0.0013	18	-19 42 7.53	-0.038	13	0.30	34.390	16	33.6	6.91	16	33.6	G5	J	13A	8712	A -19 5783
62		7.0T	17 35.000	0.0017	09	-19 48 19.63	-0.045	07	0.45	34.912	18	97.6	17.10	15	93.3	K0		GC	28273	-20 5901
63		8.7A	17 35.259	0.0006	17	-10 32 0.42	-0.021	18	0.33	35.250	18	33.6	0.08	16	33.6	A5	J	11	7165	A -10 5351
64		9.0A	17 37.649	0.0020	17	-13 30 34.84	0.015	18	0.33	37.616	18	33.6	35.09	16	33.6	F5	J	11	7164	A -13 5639
65		9.2A	17 38.899	0.0061	17	-11 43 32.27	-0.114	18	0.33	38.799	18	33.6	30.40	16	33.6	G5	J	11	7166	A -12 5694
66		9.0A	17 45.534	0.0055	17	-11 46 53.94	-0.007	18	0.33	45.443	18	33.6	53.83	16	33.6	G0	J	11	7167	A -12 5696
67		9.4A	17 53.415	-0.0001	21	-17 9 57.74	0.010	15	0.34	53.416	18	33.6	57.91	16	33.6	K0	J	12A	7645	A -17 5945
68		4.8T	17 53.485	0.0011	03	-12 55 4.49	-0.018	03	0.18	53.431	07	98.4	3.49	07	93.9	A0		GC	28282K	B+-13 5642
69		8.6A	17 56.623	-0.0002	21	-13 49 17.96	-0.032	15	0.34	56.626	18	33.6	17.44	16	33.6	F0	J	12A	7646	A -14 5718
70		9.0A	17 57.463	0.0005	20	-19 15 35.30	-0.005	15	0.33	57.455	18	33.6	35.21	16	33.6	G5	J	12B	8715	A -19 5785
71		6.2T	17 58.071	0.0028	02	-14 56 38.31	0.001	03	0.17	57.912	06	93.4	38.37	07	95.3	B9		GC	28286K	B+-15 5626
72		7.2A	18 1.463	0.0023	20	-18 18 53.29	-0.029	15	0.33	1.426	18	33.6	52.83	16	33.6	F8	J	12B	8716	A -18 5651
73		9.2A	18 3.707	-0.0013	21	-15 38 8.35	-0.035	15	0.34	3.728	18	33.6	7.78	16	33.6	A0	J	12A	7649	A -15 5627
74		8.3A	18 4.603	0.0016	21	-16 59 18.47	0.004	15	0.34	4.577	18	33.6	18.54	16	33.6	K0	J	12A	7648	A -17 5947
75		9.0A	18 5.196	0.0033	20	-18 38 14.73	0.013	15	0.33	5.142	18	33.6	14.95	16	33.6	F5	J	12B	8718	A -18 5652
76		8.8A	18 7.964	-0.0030	17	-10 52 36.84	-0.021	18	0.33	8.014	18	33.6	36.50	16	33.6	K0	J	11	7170	A -11 5304
77		9.3A	18 8.755	0.0015	21	-17 10 22.41	-0.020	15	0.34	8.730	18	33.6	22.09	16	33.6	G0	J	12A	7650	A -17 5948
78		8.8A	18 9.082	-0.0009	21	-16 51 19.52	-0.008	15	0.34	9.097	18	33.6	19.39	16	33.6	F8	J	12A	7651	A -17 5949
79		7.2T	18 9.226	0.0016	13	-18 28 58.19	-0.002	11	0.63	9.151	22	02.5	58.11	19	97.7	K0		GC	28293	-18 5653
80		8.0A	18 10.283	-0.0009	21	-15 35 15.99	-0.030	15	0.34	10.299	18	33.6	15.50	16	33.6	K0	J	12A	7652	A -15 5628
81		3.2H	18 12.200	0.0027	01	-14 56 26.57	0.003	01	0.04	12.103	02	14.4	26.67	02	14.5	+++		F4	762	-15 5629
82		8.8A	18 13.197	0.0025	18	-18 53 37.08	0.047	13	0.31	13.156	18	33.6	37.85	16	33.6	G0	J	12B	8720	A -19 5788
83		8.3A	18 15.838	-0.0013	21	-14 3 6.26	0.012	15	0.34	15.858	18	33.6	6.46	16	33.6	K0	J	12A	7654	A -14 5719
84		6.8T	18 16.707	0.0026	13	-11 8 31.55	0.014	13	0.72	16.580	24	00.7	32.30	24	97.1	K0		GC	28296	-11 5305
85		9.0A	18 20.916	-0.0000	21	-17 13 8.61	-0.046	15	0.34	20.916	18	33.6	7.86	16	33.6	F8	J	12A	7655	A -17 5950
86		9.3A	18 23.608	0.0032	21	-14 59 1.43	0.029	15	0.34	23.555	18	33.6	1.91	16	33.6	F8	J	12A	7656	A -15 5631
87		8.8A	18 24.828	-0.0012	18	-18 42 51.08	-0.012	13	0.31	24.847	18	33.6	50.89	16	33.6	K2	J	12B	8721	A -19 5792
88		9.0A	18 25.589	0.0009	18	-11 55 27.76	-0.006	20	0.35	25.574	18	33.6	27.66	16	33.6	K5	J	11	7173	A -12 5701
89		8.9A	18 26.882	0.0013	17	-11 4 28.36	0.030	18	0.33	26.861	18	33.6	29.18	16	33.6	K7	J	11	7174	A -11 5307
90		8.5A	18 27.913	-0.0005	21	-14 37 48.15	-0.024	15	0.34	27.921	18	33.6	47.76	16	33.6	G5	J	12A	7657	A -14 5720
91		9.0A	18 32.740	-0.0000	21	-17 22 6.32	-0.017	15	0.34	32.741	18	33.6	6.04	16	33.6	K2	J	12A	7658	A -17 5951
92		9.5A	18 36.331	0.0000	21	-15 10 3.24	-0.010	15	0.34	36.331	18	33.6	3.08	16	33.6	A5	J	12A	7659	A -15 5632
93		9.0A	18 39.899	-0.0003	20	-19 14 6.01	-0.013	15	0.33	39.905	18	33.6	5.80	16	33.6	K5	J	12B	8723	A -19 5793
94		8.8A	18 42.526	0.0012	17	-11 15 59.94	0.005	18	0.33	42.507	18	33.6	0.02	16	33.6	G5	J	11	7175	A -11 5309
95		7.5A	18 46.042	0.0018	18	-10 18 13.77	-0.004	20	0.35	46.013	18	33.6	13.71	16	33.6	A0	J	11	7176	A -10 5359
96		8.9A	18 48.714	0.0004	18	-12 2 20.18	-0.016	20	0.35	48.708	18	33.6	19.92	16	33.6	G5	J	11	7177	A -12 5702
97		8.5A	18 53.019	-0.0036	18	-16 26 21.42	-0.078	13	0.31	53.079	18	33.6	20.15	16	33.6	G0	J	12A	7660	A -16 5570
98		9.4A	19 17.142	0.0015	18	-10 40 12.72	0.000	20	0.35	17.117	18	33.6	12.72	16	33.6	G0	J	11	7178	A -10 5361
99		8.1A	19 23.672	-0.0004	18	-15 47 8.91	-0.037	13	0.31	23.679	18	33.6	8.31	16	33.6	A0	J	12A	7662	A -16 5575
00		7.9B	19 32.708	0.0022	09	-15 59 17.36	0.003	08	0.45	32.605	18	02.4	17.53	17	97.4	F8		GC	28319	-16 5577

163500

EPOCH 1950 — ORIGINAL EPOCH — SOURCE — -10° 20H

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	σ'_μ ″.001	σ_{1950} ″	α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	CAT.	STAR NUMBER	DM NUMBER
1		8.5A	20 19 33.916	0.0051	20	-19 56 29.17	-0.070	15	0.33	33.832	16	33.6	28.03	16	33.6	G0 J	13A	8728	A -20 5913
2		9.1A	19 36.998	0.0016	18	-13 4 45.18	-0.029	20	0.35	36.972	18	33.6	44.70	16	33.6	K5 J	11	7179	A -13 5649
3		8.5A	19 43.199	0.0002	21	-16 40 54.34	-0.019	15	0.34	43.196	18	33.6	54.04	16	33.6	K0 J	12A	7664	A -16 5581
4		8.8A	19 47.851	0.0043	21	-14 45 58.83	0.004	15	0.34	47.780	18	33.6	58.89	16	33.6	F2 J	12A	7666	A -15 5640
5		9.2A	19 48.575	0.0015	21	-15 48 3.71	0.008	15	0.34	48.550	18	33.6	3.84	16	33.6	K0 J	12A	7665	A -16 5582
6		8.4G	19 49.845	-0.0007	08	-12 32 34.18	0.008	08	0.43	49.882	18	00.4	34.57	18	01.5	K0	GC	28322	-12 5704
7		8.9A	19 53.376	0.0015	15	-13 23 30.69	0.013	15	0.30	53.552	18	33.6	30.90	16	33.6	G5 J	11	7181	A -13 5651
8		8.8A	19 56.298	0.0036	15	-10 20 59.97	-0.016	15	0.30	56.239	18	33.6	59.71	16	33.6	G0 J	11	7182	A -10 5364
9		8.6A	19 57.423	0.0160	18	-10 27 42.18	-0.047	20	0.35	57.161	18	33.6	41.41	16	33.6	K0 J	11	7183	A -10 5366
10		7.8T	20 16.031	0.0009	09	-18 30 12.00	-0.023	08	0.45	15.991	18	04.2	10.84	17	99.8	G5	GC	28329K	B*-18 5660
11		9.1A	20 16.374	0.0012	17	-13 22 27.98	0.012	18	0.33	16.354	18	33.6	28.17	16	33.6	G5 J	11	7185	A -13 5653
12		9.2A	20 16.831	0.0001	18	-19 41 25.06	-0.002	13	0.30	16.830	16	33.6	23.03	16	33.6	G5 J	13A	8732	A -19 5799
13		8.8A	20 19.903	0.0022	15	-13 14 23.10	0.009	17	0.31	19.867	18	33.6	23.25	16	33.6	K0 J	11	7186	A -13 5654
14		9.4A	20 20.371	-0.0024	18	-15 24 39.99	-0.011	13	0.31	20.411	18	33.6	39.81	16	33.6	G5 J	12A	7667	A -15 5641
15		8.0G	20 22.905	0.0015	08	-15 57 6.87	-0.033	08	0.43	22.835	17	02.4	5.21	15	99.3	K0	GC	28337	-16 5587
16		8.5A	20 25.585	0.0017	17	-10 16 17.09	-0.031	18	0.33	25.557	18	33.6	16.59	16	33.6	F5 J	11	7188	A -10 5370
17		8.7A	20 27.830	0.0014	15	-11 2 41.02	0.000	17	0.31	27.807	18	33.6	41.02	16	33.6	K0 J	11	7189	A -11 5313
18		8.9A	20 35.307	0.0028	15	-13 18 46.71	-0.016	17	0.31	35.261	18	33.6	46.45	16	33.6	G5 J	11	7190	A -13 5656
19		6.7T	20 38.529	0.0005	06	-14 25 5.61	-0.003	06	0.36	38.497	12	89.7	5.45	10	91.4	B9	GC	28349	-14 5732
20		8.7A	20 42.004	0.0021	20	-18 22 36.21	0.024	15	0.33	41.969	18	33.6	36.61	16	33.6	G5 J	12B	8736	A -18 5663
21		9.0A	20 48.037	0.0015	21	-14 10 55.29	0.004	15	0.34	48.012	18	33.6	55.36	16	33.6	K2 J	12A	7670	A -14 5733
22		7.8A	20 59.537	0.0017	17	-10 50 1.94	0.000	18	0.33	59.509	18	33.6	1.94	16	33.6	A2 J	11	7191	A -11 5317
23		9.4A	21 2.840	0.0034	21	-17 26 18.42	-0.015	15	0.34	2.784	18	33.6	18.19	16	33.6	F8 J	12A	7671	A -17 5961
24		9.2A	21 3.131	-0.0004	13	-18 53 31.47	0.001	11	0.26	3.137	18	33.6	31.49	16	33.6	G5 J	12B	8739	A -19 5804
25		9.2A	21 7.063	0.0047	15	-12 1 42.44	0.009	15	0.30	6.987	18	33.6	42.59	16	33.6	F0 J	11	7192	A -12 5712
26		9.3A	21 15.017	0.0114	18	-10 49 24.36	-0.046	20	0.35	14.830	18	33.6	23.61	16	33.6	K0 J	11	7193	A -11 5318
27		8.9A	21 15.383	0.0015	17	-10 1 13.71	-0.036	18	0.33	15.358	18	33.6	13.12	16	33.6	K0 J	11	7194	A -10 5374
28		9.2A	21 15.431	0.0017	21	-15 8 51.08	-0.036	15	0.34	15.404	18	33.6	50.49	16	33.6	K0 J	12A	7672	A -15 5649
29		8.7A	21 19.750	0.0099	17	-11 10 0.64	0.000	18	0.33	19.588	18	33.6	0.64	16	33.6	F8 J	11	7196	A -11 5319
30		8.5A	21 19.881	0.0035	21	-13 33 35.37	-0.065	12	0.33	19.824	18	33.6	34.32	16	33.6	F8 J	12A	7673	A -13 5661
31		9.0A	21 20.705	-0.0010	20	-18 31 35.96	-0.006	15	0.33	20.721	18	33.6	35.86	16	33.6	G5 J	12B	8742	A -18 5668
32		7.0T	21 26.492	-0.0016	08	-14 16 34.46	-0.021	07	0.47	26.586	18	89.7	33.16	15	87.3	K0	GC	28368	-14 5734
33		8.8A	21 31.881	0.0034	15	-10 8 3.95	0.016	17	0.31	31.825	18	33.6	4.21	16	33.6	A5 J	11	7198	A -10 5376
34		9.1A	21 32.265	-0.0001	00	-19 35 55.15	-0.026	15	0.23	32.268	16	33.6	54.73	16	33.6	K0 J	13A	8745	A -19 5806
35		8.4A	21 32.780	0.0012	15	-11 46 2.84	-0.002	17	0.31	32.759	18	33.6	2.81	16	33.6	M1 J	11	7197	A -12 5714
36		8.9A	21 33.789	0.0000	15	-10 6 22.83	-0.005	15	0.30	33.788	18	33.6	22.75	16	33.6	F2 J	11	7199	A -10 5377
37		9.3A	21 39.790	0.0033	20	-18 56 3.32	0.002	15	0.33	39.737	18	33.6	3.36	16	33.6	G0 J	12B	8746	A -19 5808
38		8.5A	21 41.242	0.0019	21	-17 10 24.28	0.004	15	0.34	41.210	18	33.6	24.35	16	33.6	K5 J	12A	7675	A -17 5967
39		9.4A	21 42.877	-0.0018	21	-16 10 24.36	-0.054	15	0.34	42.907	18	33.6	23.47	16	33.6	K2 J	12A	7676	A -16 5592
40		8.9A	21 53.234	0.0035	18	-19 52 21.79	-0.008	13	0.30	53.178	16	33.6	21.66	16	33.6	G5 J	13A	8747	A -20 5925
41		9.0A	21 55.486	-0.0015	20	-17 44 18.89	-0.010	15	0.33	55.511	18	33.6	18.72	16	33.6	G5 J	12B	8748	A -18 5671
42		8.8A	21 55.884	0.0015	15	-11 39 41.65	-0.014	17	0.31	55.860	18	33.6	41.42	16	33.6	M1 J	11	7200	A -11 5323
43		8.7A	22 7.501	0.0005	20	-18 0 38.10	0.002	15	0.33	7.494	18	33.6	38.14	16	33.6	K0 J	12B	8750	A -18 5672
44		8.9A	22 11.246	0.0022	15	-11 43 33.53	0.025	15	0.30	11.210	18	33.6	33.94	16	33.6	A5 J	11	7201	A -12 5719
45		6.9T	22 11.386	0.0022	06	-19 35 48.73	0.018	07	0.34	11.273	09	97.9	49.68	10	98.1	K0	GC	28387	-19 5809
46		9.1A	22 11.649	0.0036	15	-11 21 57.50	0.012	17	0.31	11.591	18	33.6	57.70	16	33.6	F5 J	11	7202	A -11 5325
47		9.1A	22 11.675	-0.0002	18	-18 51 51.62	-0.011	13	0.31	11.678	18	33.6	51.44	16	33.6	F8 J	12B	8752	A -19 5810
48		8.9A	22 17.394	-0.0008	18	-10 27 30.90	-0.010	20	0.35	17.408	18	33.6	30.73	16	33.6	F8 J	11	7203	A -10 5383
49		7.4T	22 22.972	0.0012	07	-11 52 3.79	0.006	07	0.43	22.908	18	95.3	4.15	17	91.1	A5	GC	28393	-12 5721
50		9.0A	22 29.528	0.0007	21	-16 31 49.22	-0.019	15	0.34	29.517	18	33.6	48.91	16	33.6	F5 J	12A	7678	A -16 5596
51		9.0A	20 22 30.400	0.0015	21	-14 58 56.10	0.004	15	0.34	30.375	18	33.6	56.17	16	33.6	G5 J	12A	7679	A -15 5656
52		9.2A	22 33.884	0.0007	18	-17 29 7.48	-0.019	13	0.31	33.872	18	33.6	7.17	16	33.6	G0 J	12A	7680	A -17 5972
53		8.9A	22 41.424	0.0019	15	-11 29 36.84	0.010	15	0.30	41.394	18	33.6	37.01	16	33.6	K0 J	11	7205	A -11 5327
54		8.7A	22 43.412	0.0019	15	-10 35 29.07	-0.004	17	0.31	43.381	18	33.6	29.01	16	33.6	K2 J	11	7206	A -10 5386
55		9.2A	22 43.435	0.0017	21	-14 17 15.30	-0.034	15	0.34	43.406	18	33.6	14.75	16	33.6	A0 J	12A	7681	A -14 5736
56		9.4A	22 48.478	0.0026	21	-14 31 5.26	-0.004	15	0.34	48.435	18	33.6	5.19	16	33.6	K2 J	12A	7682	A -14 5737
57		8.0A	22 51.814	0.0011	21	-13 44 1.93	-0.011	15	0.34	51.795	18	33.6	1.75	16	33.6	K0 J	12A	7683	A -14 5738
58		8.8A	22 57.294	-0.0021	17	-12 48 3.54	0.014	18	0.33	57.328	18	33.6	3.77	16	33.6	K5 J	11	7208	A -13 5668
59		8.0A	23 1.995	0.0002	13	-18 38 48.82	-0.002	11	0.26	1.992	18	33.6	48.79	16	33.6	A2 J	12B	8760	A -18 5680
60		8.9A	23 2.730	0.0022	20	-19 53 3.13	-0.052	15	0.33	2.694	16	33.6	2.28	16	33.6	G5 J	13A	8759	A -20 5930
61		8.8A	23 3.074	0.0001	15	-10 39 16.38	-0.006	17	0.31	3.072	18	33.6	16.29	16	33.6	A2 J	11	7209	A -10 5388
62		9.2A	23 11.254	0.0027	21	-15 35 42.02	0.028	15	0.34	11.210	18	33.6	42.48	16	33.6	K5 J	12A	7684	A -15 5660
63		9.1A	23 11.980	0.0061	21	-14 52 20.03	-0.053	15	0.34	11.879	18	33.6	19.16	16	33.6	G5 J	12A	7685	A -15 5661
64		7.8A	23 16.087	0.0011	21	-15 8 39.28	0.027	15	0.34	16.069	18	33.6	39.72	16	33.6	K2 J	12A	7686	A -15 5663
65		9.1A	23 16.764	0.0020	21	-14 27 6.45	-0.059	15	0.34	16.733	18	33.6	5.49	16	33.6	G0 J	12A	7687	A -14 5740
66		8.8A	23 25.785	-0.0002	17	-11 35 16.34	-0.007	18	0.33	25.788	18	33.6	16.22	16	33.6	K5 J	11	7210	A -11 5330
67		9.3A	23 26.263	-0.0034	21	-16 10 22.99	-0.082	15	0.34	26.319	18	33.6	21.65	16	33.6	G5 J	12A	7688	A -16 5601
68		7.6T	23 29.330	0.0004	12	-19 18 59.02	0.016	09	0.57	29.311	22	00.2	59.86	19	97.2	F5	GC	28420	-19 5813
69		9.1A	23 29.358	0.0002	21	-15 15 19.06	0.027	15	0.34	29.353	18	33.6	19.50	16	33.6	K0 J	12A	7689	A -15 5665
70		7.9A	23 29.712	-0.0000	21	-13 42 55.54	-0.021	15	0.34	29.712	18	33.6	55.21	16	33.6	K2 J	12A	7691	A -14 5742
71		8.0G	23 29.938	0.0033	09	-14 1 38.60	0.004	07	0.44	29.773	17	00.4	38.83	15	96.8	F0	GC	28421	-14 5741
72		8.6A	23 31.824	0.0011	20	-18 31 54.03	0.002	15	0.33	31.807	18	33.6	54.06	16	33.6	K0 J	12B	8762	A -18 5681
73		8.1A	23 32.255	0.0023	17	-12 22 52.49	0.010	17	0.32	32.217	18	33.6	52.65	16	33.6	K5 J	11	7212	A -12 5727
74		8.4A	23 33.423	0.0021	15	-11 24 3.95	0.023	17	0.31	33.388	18	33.6	4.33	16	33.6	A2 J	11	7213	A -11 5332
75		7.1T	23 40.945	-0.0004	09	-17 32 30.69	0.005	15	0.59	40.965	10	01.8	30.95	12	03.1	G0	GC	28427	-17 5975
76		9.3A	23 51.827	-0.0008	17	-15 29 21.65	0.003	11	0.28	51.839	18	33.6	21.70	16	33.6	M0 J	12A	7693	A -15 5669
77		9.0A	23 55.521	0.0027	15	-10 46 4.75	-0.014	15	0.30	55.477	18	33.6	4.52	16	33.6	G5 J	11	7214	A -11 5333
78		9.0A	23 57.307	0.0017	20	-19 0 40.70	0.015	15	0.33	57.279	18	33.6	40.95	16	33.6	A2 J	12B	8765	A -19 5815
79		8.5A	24 8.448	0.0012	18	-16 4 25.64	0.022	13	0.31	8.429	18	33.6	26.00	16	33.6	G5 J	12A	7694	A -16 5604
80		8.0T	24 9.994	0.0019	10	-19 42 39.53	0.002	08	0.44	9.910	15	05.3	39.64	14	02.2	A5	GC	28437	-20 5935
81		8.8A	24 10.005	0.0003	15	-10 1 7.56	-0.020	17	0.31	10.000	18	33.6	7.23	16	33.6	A5 J	11	7215	A -10 5395
82		8.9A	24 10.194	0.0026	20	-17 57 17.70	-0.105	15	0.33	10.151	18	33.6	15.99	16	33.6	G5 J	12B	8767	A -18 5684
83		9.2A	24 13.542	0.0017	20	-19 53 44.26	-0.022	15	0.33	13.515	16	33.6	43.90	16	33.6	M0 J	13A	8768	A -20 5937
84		8.6A	24 16.214	0.0038	21	-14 57 0.61	-0.056	15	0.34	16.152	18	33.6	59.69	16	33.6	G0 J	12A	7696	A -15 5670
85		8.4A	24 17.098	0.0010	18	-17 15 53.52	0.005	13	0.31	17.082	18	33.6	53.61	16	33.6	K5 J	12A	7695	A -17 5979
86		9.1A	24 19.647	0.0048	15	-10 53 2.05	-0.055	17	0.31	19.569	18	33.6	1.15	16	33.6	G5 J	11	7216	A -11 5334
87		8.8A	24 21.869	0.0008	20	-18 41 49.78	-0.008	15	0.33	21.855	18	33.6	49.65	16	33.6	K0 J	12B	8770	A -19 5817
88		8.4A	24 23.647	0.0029	15	-11 42 45.70	0.002	17	0.31	23.599	18	33.6	45.73	16	33.6	F0 J	11	7217	A -12 5731
89		8.9A	24 25.042	0.0028	15	-11 59 25.71	0.005	17	0.31	24.997	18	33.6	25.79	16	33.6	K2 J	11	7219	A -12 5732
90		9.2A	24 25.496	0.0009	21	-15 12 47.10	0.033	15	0.34	25.481	18	33.6	47.64	16	33.6	K0 J	12A	7697	A -15 5672
91		8.5A	24 26.611	0.0004	21	-13 42 35.09	-0.001	15	0.34	26.606	18	33.6	35.08	16	33.6	K0 J	12A	7698	A -14 5745
92		5.2T	24 27.627	0.0009	02	-18 22 37.45	-0.010	02	0.09	27.587	03	03.7	37.01	04	03.1	B8	GC	28442K	B*-18 5685
93		9.0A	24 29.531	-0.0009	21	-13 38 54.85	-0.028	15	0.34	29.547	18	33.6	54.40	16	33.6	F5 J	12A	7699	A -13 5672
94		9.2A	24 31.778	0.0040	17	-11 48 3.40	-0.087	18	0.33	31.713	18	33.6	1.98	16	33.6	K0 J	11	7221	A -12 5733
95		9.2A	24 34.943	0.0018	21	-17 13 59.06	-0.012	15	0.34	34.914	18	33.6	58.87	16	33.6	F2 J	12A	7700	A -17 5982
96		9.0A	24 59.918	-0.0011	18	-18 13 14.78	-0.008	13	0.31	59.936	18	33.6	14.64	16	33.6	K0 J	12B	8772	A -18 5686
97		9.4A	25 5.457	0.0009	21	-15 16 53.73	0.027	15	0.34	5.442	18	33.6	54.17	16	33.6	G5 J	12A	7701	A -15 5675
98		9.0A	25 8.527	0.0002	15	-10 17 52.00	-0.015	17	0.31	8.524	18	33.6	51.76	16	33.6	K0 J	11	7222	A -10 5397
99		7.9A	25 15.795	-0.0002	21	-14 9 48.39	-0.007	15	0.34	15.797	18	33.6	48.28	16	33.6	A2 J	12A	7702	A -14 5753
00		8.7A	25 22.862	0.0006	18	-11 5 46.33	-0.013	20	0.35	22.852	18	33.6	46.12	16	33.6	F8 J	11	7223	A -11 5339

163600

EPOCH 1950 | ORIGINAL EPOCH | SOURCE | -10° 20H

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	CAT.	STAR NUMBER	DM NUMBER
1		9.0A	20 25 24.897	0.0009	20	-18 34 55.23	-0.011	15	0.33	24.883	18	33.6	55.41	16	33.6	K5 J	12B	8775	A -18 5687
2		8.8A	25 29.419	0.0030	21	-13 58 21.89	-0.054	15	0.34	29.369	18	33.6	21.02	16	33.6	G0 J	12A	7703	A -14 5754
3		8.4A	25 33.368	-0.0010	21	-17 29 57.85	-0.021	15	0.34	33.385	18	33.6	57.50	16	33.6	K0 J	12A	7704	A -17 5987
4		9.1A	25 33.393	0.0005	20	-18 8 54.45	-0.015	15	0.33	33.386	18	33.6	54.20	16	33.6	A2 J	12B	8778	A -18 5688
5		8.9A	25 34.740	0.0008	17	-10 5 46.92	0.032	18	0.33	34.727	18	33.6	47.44	16	33.6	K0 J	11	7225	A -10 5399
6		8.9G	25 37.074	-0.0001	08	-13 19 21.42	-0.020	06	0.41	37.082	19	01.3	20.24	18	90.4	F8	GC	28465	-13 5677
7		8.6A	25 38.547	-0.0013	18	-13 19 12.28	-0.019	20	0.35	38.568	18	33.6	11.97	16	33.6	F8 J	11	7226	A -13 5678
8		9.0A	25 41.984	0.0012	21	-14 52 3.45	0.007	15	0.34	41.904	18	33.6	3.56	16	33.6	K0 J	12A	7705	A -15 5679
9		8.8A	25 45.868	0.0012	20	-19 51 25.96	-0.011	15	0.33	45.849	16	33.6	25.78	16	33.6	G5 J	13A	8780	A -20 5945
10		7.4T	25 48.105	0.0005	11	-11 57 46.37	-0.023	09	0.62	48.080	22	95.5	44.96	19	88.4	K5	GC	28473	-12 5738
11		8.4A	25 52.586	0.0017	17	-11 15 18.67	0.006	18	0.33	52.558	18	33.6	18.77	16	33.6	A0 J	11	7229	A -11 5341
12		6.5T	25 54.614	0.0005	09	-15 54 30.77	-0.007	10	0.45	54.592	09	02.7	30.45	09	02.9	K0	GC	28477	-16 5609
13		8.6A	26 0.197	0.0009	17	-11 23 23.54	-0.030	18	0.33	0.182	18	33.6	23.05	16	33.6	K2 J	11	7230	A -11 5343
14		5.0M	26 0.601	-0.0011	01	-17 58 49.23	-0.020	02	0.09	0.660	03	94.5	48.08	03	91.2	F0 J	F3	766	
15		7.3T	26 3.127	-0.0022	13	-11 33 36.20	-0.064	10	0.66	3.240	24	99.3	32.60	21	93.6	F2	GC	28484	-12 5739
16		6.8T	26 8.300	0.0010	04	-17 36 5.58	-0.024	05	0.25	8.254	10	02.8	4.44	10	01.5	G0	GC	28488	B+-17 5992
17		6.7T	26 9.479	0.0089	03	-18 2 27.30	-0.117	04	0.21	9.322	09	95.4	20.89	09	95.0	K0	GC	28492	B+-18 5691
18		9.2A	26 14.394	0.0016	21	-15 13 38.32	0.018	15	0.34	14.369	18	33.6	38.62	16	33.6	K0 J	12A	7709	A -15 5683
19		9.3A	26 14.403	-0.0008	21	-16 7 46.31	-0.017	15	0.34	14.417	18	33.6	46.03	16	33.6	G0 J	12A	7708	A -16 5610
20		8.7A	26 28.308	-0.0028	18	-11 5 57.55	-0.019	20	0.35	28.354	18	33.6	57.24	16	33.6	K5 J	11	7234	A -11 5344
21		8.0A	26 44.258	0.0001	17	-12 45 32.19	-0.013	18	0.33	44.257	18	33.6	31.98	16	33.6	K0 J	11	7236	A -13 5680
22		9.1A	26 44.382	-0.0021	20	-17 34 22.48	0.005	15	0.33	44.417	18	33.6	22.56	16	33.6	A3 J	12B	8786	A -17 5994
23		8.8A	26 51.547	0.0043	20	-19 15 31.10	-0.002	15	0.33	51.476	18	33.6	31.07	16	33.6	F0 J	12B	8787	A -19 5829
24		8.4A	26 52.319	0.0009	18	-10 10 10.62	-0.008	20	0.35	52.304	18	33.6	10.75	16	33.6	G5 J	11	7237	A -10 5405
25		6.6T	27 0.634	0.0015	04	-18 45 12.18	-0.088	06	0.31	0.560	10	92.2	7.19	10	93.4	A3	GC	28502K	-19 5830
26		6.1T	27 1.999	0.0017	03	-18 45 0.30	-0.081	03	0.18	1.913	07	98.5	56.02	07	97.2	A2	GC	28503K	B+-19 5831
27		9.3A	27 17.386	-0.0205	17	-16 24 12.67	-0.094	11	0.28	17.722	18	33.6	11.13	16	33.6	G0 J	12A	7711	A -16 5613
28		8.9A	27 19.358	0.0004	15	-10 14 38.22	-0.020	17	0.31	19.352	18	33.6	37.89	16	33.6	F8 J	11	7238	A -10 5409
29		9.4A	27 21.241	0.0059	21	-17 12 3.86	-0.069	15	0.34	21.144	18	33.6	2.74	16	33.6	G5 J	12A	7712	A -17 5999
30		8.8A	27 23.289	0.0009	15	-10 55 16.72	0.018	17	0.31	23.274	18	33.6	17.02	16	33.6	K5 J	11	7240	A -11 5346
31		9.1A	27 23.482	0.0012	18	-12 17 1.40	-0.045	20	0.35	23.462	18	33.6	0.66	16	33.6	K0 J	11	7239	A -12 5745
32		8.8A	27 23.573	-0.0026	20	-19 55 10.28	-0.066	15	0.33	23.616	18	33.6	9.20	16	33.6	G0 J	13A	8791	A -20 5954
33		8.6A	27 29.149	0.0036	15	-13 11 47.43	-0.028	17	0.31	29.090	18	33.6	46.97	16	33.6	K0 J	11	7241	A -13 5684
34		8.6A	27 30.471	-0.0011	18	-11 15 52.01	-0.003	20	0.35	30.488	18	33.6	51.96	16	33.6	A5 J	11	7242	A -11 5347
35		9.2A	27 34.440	-0.0026	20	-17 33 0.14	-0.019	15	0.33	34.483	18	33.6	59.84	16	33.6	G0 J	12B	8793	A -17 6002
36		7.5A	27 37.168	-0.0006	18	-11 58 3.28	-0.013	20	0.35	37.178	18	33.6	3.07	16	33.6	K0 J	11	7243	A -12 5747
37		9.2A	27 37.569	-0.0003	17	-16 26 29.84	-0.028	11	0.28	37.574	18	33.6	29.38	16	33.6	K0 J	12A	7714	A -16 5615
38		8.2T	27 41.681	-0.0004	12	-12 24 1.52	-0.054	10	0.55	41.700	18	05.1	58.91	18	01.5	K0	GC	28519	-12 5748
39		8.3A	27 49.863	0.0033	17	-16 43 7.75	-0.043	15	0.31	49.809	18	33.6	7.05	16	33.6	F5 J	12A	7715	A -17 6003
40		8.8A	27 54.701	0.0023	20	-19 37 2.01	-0.003	15	0.33	54.664	16	33.6	1.96	16	33.6	F0 J	13A	8796	A -19 5835
41		7.0T	27 57.229	0.0007	11	-15 56 25.33	0.007	13	0.62	57.197	21	01.2	25.67	19	02.4	A0	GC	28527	-16 5617
42		8.9A	28 0.482	-0.0014	20	-19 17 46.20	-0.068	15	0.33	8.505	18	33.6	45.09	16	33.6	K0 J	12B	8799	A -19 5837
43		7.8G	28 12.436	0.0018	11	-10 12 13.10	-0.037	08	0.49	12.350	17	02.1	11.16	17	97.5	G5	GC	28532	-10 5414
44		8.8A	28 13.610	-0.0005	20	-13 45 8.99	0.019	15	0.34	13.619	18	33.6	9.31	16	33.6	G5 J	12A	7717	A -14 5765
45		6.2T	28 16.305	-0.0030	05	-15 13 29.42	-0.055	06	0.23	16.446	07	03.2	26.79	07	02.1	G0	GC	28533	B+-15 5696
46		9.2A	28 19.693	0.0021	21	-16 36 38.04	0.001	15	0.34	19.659	18	33.6	38.06	16	33.6	K2 J	12A	7719	A -16 5621
47		8.9A	28 21.182	0.0024	15	-11 6 15.33	0.028	17	0.31	21.143	18	33.6	15.79	16	33.6	K0 J	11	7248	A -11 5349
48		8.7A	28 24.349	-0.0003	17	-11 31 34.97	0.017	18	0.33	24.354	18	33.6	35.25	16	33.6	G5 J	11	7249	A -11 5351
49		9.1A	28 28.253	-0.0003	20	-19 58 4.64	-0.010	15	0.33	28.258	18	33.6	4.48	16	33.6	K0 J	13A	8800	A -20 5957
50		8.3A	28 30.106	0.0014	21	-17 18 28.81	-0.001	15	0.34	30.082	18	33.6	28.79	16	33.6	M0 J	12A	7720	A -17 6007
51		9.2A	20 28 30.763	0.0012	21	-14 57 23.73	-0.007	15	0.34	30.743	18	33.6	23.61	16	33.6	K0 J	12A	7721	A -15 5697
52		8.5A	28 33.306	-0.0022	20	-18 15 8.08	0.078	15	0.33	33.343	18	33.6	9.35	16	33.6	F8 J	12B	8801	A -18 5705
53		8.9A	28 33.512	-0.0007	15	-11 48 42.43	0.021	17	0.31	33.522	18	33.6	42.78	16	33.6	A3 J	11	7250	A -12 5732
54		8.9A	28 44.195	0.0052	17	-11 48 21.33	0.028	18	0.33	44.110	18	33.6	21.79	16	33.6	F5 J	11	7251	A -12 5733
55		9.1A	28 54.145	0.0041	21	-15 10 13.56	-0.038	15	0.34	54.079	18	33.6	12.96	16	33.6	G0 J	12A	7722	A -15 5698
56		9.1A	28 59.172	-0.0005	20	-18 18 40.26	0.002	00	0.28	59.180	18	33.6	40.29	16	33.6	A5 J	12B	8802	A -18 5706
57		8.8A	29 5.852	0.0037	21	-13 56 49.85	-0.072	15	0.34	5.792	18	33.6	48.68	16	33.6	F3 J	12A	7723	A -14 5766
58		9.0A	29 20.996	-0.0002	18	-10 12 10.04	0.008	20	0.35	20.999	18	33.6	10.17	16	33.6	K2 J	11	7253	A -10 5420
59		8.8A	29 24.140	-0.0009	15	-11 44 45.24	0.001	17	0.31	24.155	18	33.6	45.26	16	33.6	G5 J	11	7254	A -12 5759
60		8.9A	29 25.743	0.0082	21	-17 10 38.11	-0.145	15	0.34	25.592	18	33.6	35.74	16	33.6	G0 J	12A	7724	A -17 6013
61		9.2A	29 26.395	-0.0015	21	-16 18 4.69	0.009	15	0.34	26.421	18	33.6	4.84	16	33.6	F2 J	12A	7725	A -16 5628
62		9.2A	29 28.239	-0.0002	21	-14 37 42.24	-0.015	15	0.34	28.242	18	33.6	41.99	16	33.6	G0 J	12A	7726	A -14 5769
63		9.0A	29 30.211	0.0036	20	-19 26 51.04	0.018	15	0.33	30.152	18	33.6	51.34	16	33.6	G5 J	12B	8805	A -19 5844
64		9.4A	29 30.552	-0.0006	21	-15 26 1.93	-0.004	15	0.34	30.562	18	33.6	1.86	16	33.6	A5 J	12A	7727	A -15 5701
65		5.8M	29 39.610	0.0205	02	-10 1 31.22	0.103	02	0.06	38.906	03	15.8	34.73	04	16.0	G5	F4	1536	-10 5423
66		7.1T	29 41.828	0.0046	08	-16 46 47.36	0.004	07	0.41	41.594	14	98.5	47.62	15	94.2	F0	GC	28566K	B+-17 6014
67		8.9A	29 45.127	0.0016	18	-12 50 39.99	-0.001	20	0.35	45.101	18	33.6	39.97	16	33.6	K0 J	11	7256	A -13 5695
68		8.8A	30 2.400	-0.0024	21	-13 43 4.80	-0.065	15	0.34	2.439	18	33.6	3.74	16	33.6	F8 J	12A	7730K	A -14 5776
69		8.6A	30 10.655	-0.0010	20	-19 28 34.05	0.016	15	0.33	10.670	18	33.6	34.30	16	33.6	K5 J	12B	8808	A -19 5846
70		9.2A	30 13.163	0.0081	21	-15 14 54.98	0.012	15	0.34	13.031	18	33.6	55.18	16	33.6	G5 J	12A	7731	A -15 5706
71		9.0A	30 14.998	0.0018	21	-13 37 11.16	-0.017	15	0.34	14.989	18	33.6	10.88	16	33.6	G5 J	12A	7733	A -13 5696
72		8.8A	30 15.743	-0.0012	18	-16 11 49.20	0.010	15	0.31	15.763	18	33.6	49.36	16	33.6	F2 J	12A	7732	A -16 5632
73		9.1A	30 32.681	0.0027	15	-10 17 59.13	0.010	17	0.31	32.836	18	33.6	59.30	16	33.6	K2 J	11	7260	A -10 5427
74		8.9A	30 33.219	0.0020	21	-15 23 22.18	-0.010	15	0.34	33.186	18	33.6	22.02	16	33.6	K0 J	12A	7734	A -15 5708
75		9.1A	30 33.886	0.0012	21	-15 46 15.66	0.020	15	0.34	33.867	18	33.6	15.99	16	33.6	M1 J	12A	7735	A -16 5634
76		9.1A	30 37.408	0.0001	15	-10 0 12.86	-0.036	17	0.31	37.404	18	33.6	12.27	16	33.6	K0 J	11	7261	A -10 5429
77		9.2A	30 42.788	-0.0012	18	-13 43 24.47	-0.080	13	0.31	42.807	18	33.6	23.16	16	33.6	G0 J	12A	7736	A -14 5780
78		8.9A	30 45.656	-0.0025	17	-11 37 0.98	-0.009	18	0.33	45.693	18	33.6	0.83	16	33.6	K2 J	11	7263	A -11 5363
79		9.1A	30 46.310	-0.0009	20	-18 34 3.43	0.013	15	0.33	46.325	18	33.6	3.64	16	33.6	K0 J	12B	8813	A -18 5708
80		8.9A	31 3.168	0.0017	18	-12 53 23.51	0.019	20	0.35	3.140	18	33.6	23.82	16	33.6	F8 J	11	7264	A -13 5700
81		8.2A	31 3.687	-0.0017	15	-11 53 23.60	0.014	17	0.31	3.714	18	33.6	23.83	16	33.6	G5 J	11	7265	A -12 5764
82		8.7A	31 11.668	0.0020	18	-10 17 40.51	-0.018	20	0.35	11.635	18	33.6	40.22	16	33.6	K0 J	11	7266	A -10 5431
83		7.0T	31 16.449	0.0020	16	-12 30 56.40	-0.009	15	0.80	16.351	24	01.4	55.95	24	00.0	A0	GC	28607	-12 5766
84		8.7A	31 17.930	-0.0036	20	-19 27 35.47	0.010	15	0.33	17.981	18	33.6	35.63	16	33.6	A3 J	12B	8815	A -19 5850
85		9.2A	31 23.887	0.0014	21	-17 26 15.92	0.005	15	0.34	23.365	18	33.6	16.00	16	33.6	K2 J	12A	7737	A -17 6020
86		6.2T	31 24.794	0.0050	03	-13 53 39.28	0.072	03	0.18	24.542	06	99.5	42.99	07	98.7	F8	GC	28608	-14 5781
87		9.0A	31 28.311	0.0042	21	-13 33 50.83	-0.082	15	0.34	28.242	18	33.6	49.49	16	33.6	G5 J	12A	7739	A -13 5702
88		9.1A	31 29.214	-0.0131	21	-14 46 58.42	-0.020	15	0.34	29.429	18	33.6	58.09	16	33.6	G0 J	12A	7741	A -15 5714
89		9.2A	31 29.873	0.0017	21	-15 51 59.67	0.018	15	0.34	29.846	18	33.6	59.96	16	33.6	F8 J	12A	7740	A -16 5635
90		8.5A	31 32.602	0.0014	18	-12 49 6.42	-0.016	20	0.35	32.578	18	33.6	6.16	16	33.6	K0 J	11	7269	A -13 5703
91		9.2A	31 33.396	-0.0004	21	-15 33 32.40	0.019	15	0.34	33.403	18	33.6	32.71	16	33.6	G0 J	12A	7742	A -15 5715
92		8.8A	31 35.126	-0.0004	18	-15 39 51.15	0.019	13	0.31	35.133	18	33.6	51.46	16	33.6	G5 J	12A	7743	A -15 5716
93		7.9A	31 35.256	0.0013	20	-19 34 12.00	-0.023	15	0.33	35.235	18	33.6	11.62	16	33.6	A0 J	13A	8816	A -19 5852
94		8.9A	31 35.925	0.0010	18	-10 4 52.30	-0.008	20	0.35	35.909	18	33.6	52.17	16	33.6	K2 J	11	7270	A -10 5433
95		8.2A	31 36.630	0.0002	21	-15 3 6.06	-0.015	15	0.34	36.625	18	33.6	5.82	16	33.6	K2 J	12A	7744	A -15 5717
96		9.0A	31 44.644	-0.0001	21	-17 5 14.41	0.009	15	0.34	44.646	18	33.6	14.56	16	33.6	K0 J	12A	7745	A -17 6021
97		8.6A	31 46.310	0.0010	15	-11 27 19.95	0.052	17	0.31	46.293	18	33.6	20.80	16	33.6	F0 J	11	7271	A -11 5365
98		9.2A	31 49.460	0.0017	21	-13 33 45.25	0.007	15	0.34	49.432	18	33.6	45.36	16	33.6	G5 J	12A	7746	A -13 5704
99		8.5A	31 55.702	0.0003	17	-12 37 10.06	-0.000	21	0.35	55.698	18	33.6	10.06	16	33.6	K0 J	11	7273	A -12 5768
00		9.3A	31 58.184	0.0063	21	-14 36 53.72	-0.020	15	0.34	58.081	18	33.6	53.39	16	33.6	G0 J	12A	7747	A -14 5786

163700

EPOCH 1950 — ORIGINAL EPOCH — SOURCE

-10° 20H

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	α_{1950} h m s	μ s	σ_μ ".001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ".001	σ_{1950} ″	α_2 s	σ ″	ep.	δ_2 ″	σ' ".01	ep.	SP.		SOURCE CAT.	SOURCE STAR NUMBER	DM NUMBER
1		8.4A	20 32 1.279	0.0019	21	-15 58 11.88	-0.006	15	0.34	1.248	18	33.6	11.78	16	33.6	F5	J	12A	7748	A -16 5638
2		9.2A	32 11.460	0.0004	21	-14 54 35.88	0.003	15	0.34	11.453	18	33.6	35.93	16	33.6	A0	J	12A	7749	A -15 5718
3		8.9A	32 23.521	-0.0013	20	-18 26 30.47	0.021	15	0.33	23.543	18	33.6	30.82	16	33.6	G0	J	12B	8820	A -18 5713
4		9.2A	32 28.165	0.0012	21	-13 49 5.29	-0.018	15	0.34	28.145	18	33.6	5.00	16	33.6	G5	J	12A	7750	A -14 5788
5		9.1A	32 30.921	0.0030	20	-19 16 0.88	0.003	15	0.33	30.871	18	33.6	0.92	16	33.6	G5	J	12B	8822	A -19 5856
6		9.3A	32 31.940	0.0024	17	-13 45 43.01	0.005	18	0.33	31.901	18	33.6	43.10	16	33.6	K0	J	11	7276	A -14 5789
7		8.6A	32 33.639	-0.0029	20	-17 57 38.77	-0.025	15	0.33	33.687	18	33.6	38.36	16	33.6	F0	J	12B	8823	A -18 5714
8		9.2A	32 34.199	0.0044	21	-13 46 16.36	0.003	15	0.34	34.127	18	33.6	16.41	16	33.6	K0	J	12A	7751	A -14 5790
9		8.4A	32 34.969	-0.0005	15	-11 31 3.06	0.001	17	0.31	34.976	18	33.6	3.08	16	33.6	K2	J	11	7278	A -11 5370
10		9.3A	32 39.241	0.0007	15	-10 24 52.76	-0.013	17	0.31	39.229	18	33.6	52.55	16	33.6	G5	J	11	7279	A -10 5441
11		9.2A	32 42.384	0.0026	20	-17 54 6.62	-0.002	15	0.33	42.342	18	33.6	6.59	16	33.6	F0	J	12B	8824	A -18 5716
12		8.2T	32 42.582	0.0056	04	-16 41 56.03	-0.020	04	0.21	42.308	07	01.6	55.05	07	00.8	A5		GC	28652	-17 6027
13		8.4A	32 43.772	-0.0020	18	-13 8 2.64	0.002	20	0.35	43.804	18	33.6	2.68	16	33.6	K0	J	11	7281	A -13 5709
14		9.1A	32 49.601	0.0021	21	-17 24 5.24	0.003	15	0.34	49.567	18	33.6	5.29	16	33.6	A2	J	12A	7753	A -17 6029
15		8.8A	32 51.070	0.0027	18	-19 15 33.14	0.003	13	0.31	51.026	18	33.6	33.18	16	33.6	K0	J	12B	8825	A -19 5861
16		8.8A	33 3.993	0.0006	20	-18 8 17.12	0.013	15	0.33	3.984	18	33.6	17.34	16	33.6	F8	J	12B	8827	A -18 5718
17		9.0A	33 14.438	0.0076	21	-13 59 56.69	-0.030	15	0.34	14.313	18	33.6	56.20	16	33.6	G0	J	12A	7754	A -14 5794
18		8.8A	33 24.203	0.0001	15	-10 2 24.66	0.003	17	0.31	24.201	18	33.6	24.71	16	33.6	K0	J	11	7283	A -10 5446
19		8.6A	33 25.415	0.0036	21	-17 11 31.23	0.038	15	0.34	25.356	18	33.6	31.85	16	33.6	K0	J	12A	7755	A -17 6031
20		7.0T	33 31.099	0.0027	14	-12 33 19.54	0.026	12	0.63	30.970	10	03.0	20.79	12	02.0	K2		GC	28670	-12 5778
21		9.1A	33 35.360	-0.0009	21	-15 42 39.90	0.003	15	0.34	35.376	18	33.6	39.95	16	33.6	K0	J	12A	7757	A -16 5646
22		8.9A	33 39.583	-0.0011	15	-10 24 18.39	0.001	17	0.31	39.600	18	33.6	18.41	16	33.6	G5	J	11	7285	A -10 5447
23		8.5A	33 42.992	-0.0003	15	-10 1 42.24	-0.002	15	0.30	42.996	18	33.6	42.21	16	33.6	G5	J	11	7286	A -10 5448
24		9.0A	33 49.717	-0.0010	21	-14 16 54.47	-0.023	15	0.34	49.734	18	33.6	54.10	16	33.6	K0	J	12A	7758	A -14 5797
25		8.7A	33 56.157	-0.0005	15	-10 48 20.55	-0.032	15	0.30	56.164	18	33.6	20.03	16	33.6	G5	J	11	7287	A -11 5376
26		9.2A	33 59.754	-0.0019	20	-18 13 24.50	-0.003	15	0.33	59.785	18	33.6	24.45	16	33.6	K5	J	12B	8833	A -18 5723
27		9.1A	34 1.826	0.0006	21	-17 11 18.96	-0.072	15	0.34	1.816	18	33.6	17.78	16	33.6	F5	J	12A	7759	A -17 6034
28		9.0A	34 3.663	0.0025	17	-10 46 52.72	0.011	18	0.33	3.622	18	33.6	52.90	16	33.6	G5	J	11	7288	A -11 5377
29		9.0Q	34 9.192	0.0002	15	-12 54 52.12	-0.051	11	0.66	9.182	22	05.1	49.57	21	99.9			GC	28685K	-13 5713
30		8.0Q	34 9.296	-0.0003	07	-12 54 41.33	-0.034	05	0.37	9.311	17	95.9	39.19	15	87.2	F0		GC	28686K	B*-13 5713
31		8.7A	34 17.103	0.0026	18	-11 41 21.56	-0.009	20	0.35	17.060	18	33.6	21.41	16	33.6	K5	J	11	7291	A -12 5784
32		9.1A	34 18.437	0.0009	18	-13 3 52.16	-0.005	20	0.35	18.423	18	33.6	52.08	16	33.6	G5	J	11	7292	A -13 5714
33		8.9A	34 20.305	0.0033	17	-12 4 58.13	-0.029	18	0.33	20.250	18	33.6	57.65	16	33.6	F8	J	11	7293	A -12 5785
34		9.0A	34 26.221	0.0010	26	-14 54 39.64	-0.049	18	0.40	26.204	18	33.6	38.84	16	33.6	K0	J	12A	7760	A -15 5731
35		9.1A	34 28.039	-0.0004	20	-17 56 14.32	0.000	15	0.33	28.046	18	33.6	14.32	16	33.6	G0	J	12B	8836	A -18 5726
36		8.3A	34 28.395	0.0075	18	-13 21 33.11	0.004	20	0.35	28.273	18	33.6	33.18	16	33.6	F5	J	11	7294	A -13 5716
37		9.2A	34 30.224	0.0025	21	-17 3 2.20	-0.004	15	0.34	30.183	18	33.6	2.14	16	33.6	K2	J	12A	7761	A -17 6037
38		9.0A	34 32.735	0.0009	21	-16 12 13.88	0.008	15	0.34	32.721	18	33.6	14.01	16	33.6	K0	J	12A	7762	A -16 5649
39		9.0A	34 32.808	0.0005	18	-11 14 45.29	0.024	20	0.35	32.800	18	33.6	45.68	16	33.6	K2	J	11	7295	A -11 5378
40		6.9T	34 33.073	0.0043	03	-15 19 18.53	-0.038	03	0.21	32.846	09	97.1	16.47	09	95.7	K0		GC	28694	B*-15 5732
41		9.0A	34 33.287	0.0030	20	-17 57 16.61	-0.004	15	0.33	33.237	18	33.6	16.55	16	33.6	F8	J	12B	8837	A -18 5727
42		8.9A	34 35.984	0.0002	18	-19 25 40.54	-0.006	15	0.32	35.980	18	33.6	40.43	16	33.6	A0	J	12B	8838	A -19 5867
43		8.7A	34 41.082	-0.0043	17	-12 2 35.55	-0.214	18	0.33	41.152	18	33.6	32.04	16	33.6	G5	J	11	7297	A -12 5787
44		8.7A	34 48.796	-0.0004	18	-11 20 30.67	-0.004	20	0.35	48.802	18	33.6	30.60	16	33.6	K2	J	11	7298	A -11 5545
45		8.8A	34 56.997	-0.0001	18	-18 57 6.10	0.010	13	0.31	56.998	18	33.6	6.26	16	33.6	A3	J	12B	8840	A -19 5868
46		7.0T	34 59.023	0.0006	09	-17 17 51.15	0.001	07	0.50	58.985	19	91.2	51.22	17	86.5	A0		GC	28704	-17 6039
47		9.1A	35 2.689	0.0019	21	-13 58 27.25	-0.024	15	0.34	2.657	18	33.6	26.86	16	33.6	A0	J	12A	7765	A -14 5802
48		9.2A	35 7.289	-0.0003	21	-15 40 3.24	0.004	15	0.34	7.295	18	33.6	3.30	16	33.6	K0	J	12A	7767	A -15 5734
49		9.2A	35 7.400	0.0018	21	-17 29 13.19	-0.020	15	0.34	7.371	18	33.6	12.86	16	33.6	K5	J	12A	7766	A -17 6040
50		8.4A	35 7.416	-0.0007	17	-12 11 30.05	-0.003	18	0.33	7.427	18	33.6	30.00	16	33.6	K0	J	11	7299	A -12 5789
51		9.0A	20 35 8.228	0.0006	17	-12 28 36.46	0.002	18	0.33	8.219	18	33.6	36.49	16	33.6	F5	J	11	7300	A -12 5790
52		7.0T	35 11.931	0.0012	12	-11 12 30.84	-0.033	12	0.57	11.876	09	02.3	29.24	10	01.6	B9		GC	28707	-11 5379
53		9.0A	35 12.969	0.0008	15	-10 19 44.23	-0.034	17	0.31	12.955	18	33.6	43.67	16	33.6	K0	J	11	7302	A -10 5456
54		9.0A	35 24.660	-0.0010	20	-19 44 10.77	0.042	15	0.33	24.677	18	33.6	11.46	16	33.6	K0	J	13A	8844	A -20 5991
55		8.5A	35 35.943	-0.0015	18	-12 48 21.22	-0.006	20	0.35	35.967	18	33.6	21.12	16	33.6	K2	J	11	7303	A -13 5720
56		8.8A	35 36.478	0.0001	20	-18 49 5.21	0.004	15	0.33	36.477	18	33.6	5.27	16	33.6	F0	J	12B	8846	A -19 5872
57		9.1A	35 36.882	0.0004	20	-18 13 40.73	0.027	15	0.33	36.876	18	33.6	41.17	16	33.6	G5	J	12B	8847	A -18 5732
58		8.7A	35 47.417	0.0012	15	-12 7 54.56	-0.012	15	0.30	47.397	18	33.6	54.36	16	33.6	F0	J	11	7304	A -12 5792
59		9.1A	35 51.250	0.0031	18	-18 2 16.85	-0.014	13	0.31	51.198	18	33.6	16.63	16	33.6	G5	J	12B	8849	A -18 5733
60		8.2Q	35 52.797	0.0001	11	-17 14 27.91	-0.014	07	0.45	52.790	18	06.5	27.23	17	01.0	K5		GC	28729	-17 6045
61		9.1A	35 56.823	-0.0009	21	-16 8 14.46	0.001	15	0.34	56.838	18	33.6	14.48	16	33.6	K0	J	12A	7769	A -16 5655
62		9.5A	35 57.544	-0.0018	21	-14 43 49.65	-0.000	15	0.34	57.573	18	33.6	49.65	16	33.6	F8	J	12A	7770	A -15 5736
63		8.4A	36 2.336	-0.0010	15	-12 49 59.50	0.001	17	0.31	2.352	18	33.6	59.52	16	33.6	M2	J	11	7305	A -13 5724
64		9.1A	36 4.550	0.0007	21	-16 0 14.17	-0.041	15	0.34	4.539	18	33.6	13.50	16	33.6	K0	J	12A	7771	A -16 5657
65		9.1A	36 5.964	0.0005	21	-14 52 36.39	-0.008	15	0.34	5.955	18	33.6	36.26	16	33.6	F8	J	12A	7772	A -15 5739
66		9.4A	36 7.541	0.0026	21	-15 27 52.30	-0.016	15	0.34	7.498	18	33.6	52.04	16	33.6	F8	J	12A	7773	A -15 5738
67		8.4A	36 13.892	0.0013	17	-12 15 25.80	0.022	18	0.33	13.870	18	33.6	26.16	16	33.6	A0	J	11	7308	A -12 5794
68		7.1T	36 14.708	0.0082	09	-16 44 9.20	-0.022	09	0.60	14.206	22	89.2	7.83	19	87.1	F8		GC	28739	-17 6046
69		9.1A	36 17.656	-0.0000	21	-16 37 51.25	0.030	15	0.34	17.657	18	33.6	51.74	16	33.6	G0	J	12A	7775	A -16 5658
70		8.2T	36 23.680	0.0005	12	-19 27 18.51	0.017	13	0.60	23.659	19	06.2	19.29	21	03.4	K2		GC	28744	-19 5877
71		5.3T	36 28.701	0.0003	03	-15 7 53.44	-0.021	03	0.17	28.685	06	92.4	52.18	06	90.0	B5		GC	28748K	B*-15 5743
72		7.9A	36 38.629	0.0023	17	-11 56 28.02	0.018	18	0.33	38.592	18	33.6	28.31	16	33.6	K0	J	11	7309	A -12 5795
73		9.1A	36 40.967	0.0032	20	-19 50 58.20	-0.079	15	0.33	40.915	18	33.6	56.91	16	33.6	A5	J	13A	8853	A -20 5995
74		9.0A	36 44.180	0.0018	18	-12 3 57.59	0.020	20	0.35	44.151	18	33.6	57.92	16	33.6	G0	J	11	7310	A -12 5796
75		8.6Q	36 45.174	0.0010	08	-15 9 8.00	-0.003	06	0.36	45.131	15	06.6	7.85	15	00.8	K0		GC	28757	-15 5746
76		9.2A	36 51.031	-0.0001	18	-13 53 38.59	-0.028	13	0.31	51.033	18	33.6	38.13	16	33.6	F0	J	12A	7778	A -14 5810
77		8.9A	37 8.944	0.0031	18	-10 14 6.94	-0.012	20	0.35	8.893	18	33.6	6.75	16	33.6	K0	J	11	7312	A -10 5466
78		9.0A	37 10.982	0.0009	17	-10 14 22.07	-0.018	18	0.33	10.967	18	33.6	21.77	16	33.6	K0	J	11	7313	A -10 5467
79		5.3H	37 12.309	-0.0015	01	-18 18 57.79	-0.018	01	0.06	12.365	02	12.3	57.09	03	11.4	M0		F4	773	-18 5738
80		7.8A	37 19.619	-0.0004	21	-14 11 26.50	-0.011	15	0.34	19.626	18	33.6	26.32	16	33.6	M3	J	12A	7780	A -14 5812
81		8.4A	37 39.805	0.0015	21	-15 33 37.69	-0.101	15	0.34	39.780	18	33.6	36.04	16	33.6	G5	J	12A	7781	A -15 5750
82		9.0A	37 42.888	0.0009	20	-18 43 31.81	0.045	15	0.33	42.874	18	33.6	32.45	16	33.6	K2	J	12B	8860	A -19 5888
83		5.9T	37 44.034	-0.0048	05	-16 18 12.31	0.073	05	0.26	44.277	09	99.8	15.84	09	01.7	K0		GC	28797	-16 5663
84		8.6A	37 47.309	-0.0003	18	-10 22 23.81	0.010	20	0.35	47.314	18	33.6	23.98	16	33.6	G5	J	11	7314	A -10 5470
85		9.3A	37 49.610	0.0010	21	-15 35 53.49	0.027	15	0.34	49.594	18	33.6	53.93	16	33.6	G0	J	12A	7783	A -15 5752
86		8.8A	37 52.476	-0.0023	21	-15 35 7.17	0.049	15	0.34	52.514	18	33.6	7.97	16	33.6	F0	J	12A	7784	A -15 5753
87		8.2Q	37 57.928	0.0041	14	-18 57 54.57	-0.439	10	0.57	57.755	18	07.6	32.83	17	00.5	G0		GC	28802	B*-19 5889
88		9.2A	37 59.987	0.0005	18	-15 5 40.83	0.026	13	0.31	59.979	18	33.6	41.26	16	33.6	G5	J	12A	7785	A -15 5754
89		8.8A	38 0.300	0.0004	15	-10 23 51.46	-0.005	17	0.31	0.294	18	33.6	51.38	16	33.6	M1	J	11	7316	A -10 5471
90		8.6A	38 7.986	-0.0009	20	-17 58 27.19	0.006	15	0.33	8.002	18	33.6	27.30	16	33.6	A2	J	12B	8862	A -18 5743
91		9.2A	38 7.986	-0.0010	21	-14 27 29.25	-0.028	15	0.34	8.003	18	33.6	28.79	16	33.6	G5	J	12A	7786	A -14 5814
92		8.4A	38 9.823	-0.0007	17	-12 22 51.15	-0.003	18	0.33	9.835	18	33.6	51.10	16	33.6	F5	J	11	7317	A -12 5803
93		8.5A	38 13.026	-0.0005	21	-14 41 24.23	0.015	15	0.34	13.034	18	33.6	24.48	16	33.6	F0	J	12A	7787	A -15 5755
94		8.9A	38 20.305	0.0028	21	-15 19 40.02	0.031	15	0.34	20.259	18	33.6	40.53	16	33.6	K0	J	12A	7788	A -15 5756
95		8.4A	38 26.712	0.0006	21	-13 40 44.22	-0.013	15	0.34	26.702	18	33.6	44.01	16	33.6	K0	J	12A	7792	A -14 5815
96		9.1A	38 27.673	0.0002	21	-16 52 22.16	-0.005	15	0.34	27.670	18	33.6	22.08	16	33.6	K0	J	12A	7789	A -17 6058
97		8.9A	38 29.215	-0.0014	20	-17 46 39.20	0.008	13	0.32	29.239	18	33.6	39.34	16	33.6	G0	J	12B	8864	A -18 5746
98		6.9T	38 29.236	-0.0005	08	-17 33 25.85	-0.004	08	0.46	29.265	18	95.5	25.65	17	95.3	K0		GC	28813	-17 6059
99		8.9A	38 37.410	0.0014	20	-18 9 27.66	-0.012	15	0.33	37.386	18	33.6	27.47	16	33.6	G0	J	12B	8867	A -18 5748
00		9.2A	38 38.079	-0.0013	21	-17 48 32.54	-0.005	15	0.34	38.101	18	33.6	32.47	16	33.6	G5	J	12A	7793	A -18 5749

163800 — EPOCH 1950 — ORIGINAL EPOCH — -10° 20H

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	σ_μ ″.001	σ_{1950} ″	α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	CAT.	STAR NUMBER	DM NUMBER
1		8.5A	20 38 52.877	-0.0013	20	-19 14 13.43	-0.015	15	0.33	52.899	18	33.6	13.18	16	33.6	G5 J	12B	8870	A -19 5892
2		8.7A	38 58.370	-0.0006	18	-12 31 4.04	-0.051	20	0.35	58.380	18	33.6	3.20	16	33.6	F8 J	11	7321	A -12 5808
3		7.7T	39 1.882	0.0032	10	-11 7 28.66	-0.013	08	0.48	1.732	17	02.4	28.00	17	28.7	G0	GC	28828	-11 5394
4		9.2A	39 2.236	-0.0012	21	-14 4 59.60	-0.016	15	0.34	2.258	18	33.6	59.34	16	33.6	F5 J	12A	7794	A -14 5821
5		8.7A	39 8.034	-0.0019	20	-18 3 36.45	-0.008	15	0.33	8.066	18	33.6	36.32	16	33.6	A2 J	12B	8871	A -18 5750
6		9.2A	39 9.453	0.0015	18	-12 51 59.21	-0.021	20	0.35	9.429	18	33.6	58.87	16	33.6	G0 J	11	7323	A -13 5734
7		9.0A	39 18.479	0.0004	20	-19 28 55.63	-0.008	15	0.33	18.473	18	33.6	55.49	16	33.6	K0 J	13A	8874	A -19 5894
8		8.9A	39 23.529	0.0004	21	-17 15 29.96	0.008	12	0.33	23.523	18	33.6	30.09	16	33.6	K2 J	12A	7795	A -17 6060
9		8.9A	39 24.590	0.0018	15	-18 46 26.11	-0.025	11	0.27	24.561	18	33.6	25.69	16	33.6	A5 J	12B	8875	A -19 5895
10		9.3A	39 42.468	-0.0001	18	-13 58 44.51	0.015	13	0.31	42.469	18	33.6	44.76	16	33.6	G0 J	12A	7796	A -14 5826
11		7.1T	39 49.259	0.0005	07	-18 17 24.63	-0.006	07	0.49	49.226	18	81.0	24.25	18	82.9	F0	GC	28847	-18 5754
12		8.6A	39 50.682	0.0015	21	-15 51 3.79	0.010	15	0.34	50.658	18	33.6	3.95	16	33.6	G5 J	12A	7797	A -16 5672
13		7.8Q	39 52.015	-0.0104	09	-13 16 21.02	-0.135	13	0.52	52.497	09	03.6	14.84	10	04.2	G0	GC	28849	-13 5736
14		9.2A	39 53.819	-0.0014	18	-16 31 46.55	-0.003	13	0.31	53.842	18	33.6	46.50	16	33.6	K0 J	12A	7798	A -16 5674
15		7.6T	39 56.703	0.0010	10	-11 8 59.01	-0.002	08	0.46	56.657	18	02.5	58.91	17	58.7	F5	GC	28851	-11 5401
16		8.6A	39 57.304	0.0007	21	-16 5 20.03	0.007	15	0.34	57.293	18	33.6	20.14	16	33.6	A2 J	12A	7799	A -16 5675
17		8.6A	40 5.778	0.0005	20	-19 40 2.45	-0.007	15	0.33	5.770	18	33.6	2.34	16	33.6	G5 J	13A	8878	A -20 6011
18		9.3A	40 6.900	-0.0007	18	-12 9 17.69	0.014	20	0.35	6.912	18	33.6	17.92	16	33.6	G0 J	11	7326	A -12 5811
19		8.7A	40 8.236	0.0035	15	-12 11 3.79	0.036	17	0.31	8.178	18	33.6	4.38	16	33.6	G0 J	11	7327	A -12 5812
20		9.0A	40 15.923	0.0004	21	-15 48 8.16	-0.000	15	0.34	15.917	18	33.6	8.16	16	33.6	K0 J	12A	7801	A -16 5676
21		9.2A	40 26.842	0.0005	21	-14 3 25.57	-0.001	15	0.34	26.834	18	33.6	25.56	16	33.6	G0 J	12A	7803	A -14 5829
22		9.5A	40 28.756	0.0030	21	-17 11 57.51	-0.004	15	0.34	28.706	18	33.6	57.45	16	33.6	G0 J	12A	7802	A -17 6064
23		8.3A	40 32.661	0.0012	15	-10 55 22.53	0.017	17	0.31	32.641	18	33.6	22.81	16	33.6	K0 J	11	7328	A -11 5402
24		8.8A	40 33.568	-0.0010	15	-11 53 39.21	-0.053	17	0.31	33.584	18	33.6	38.34	16	33.6	A2 J	11	7329	A -12 5814
25		8.7A	40 37.585	0.0016	15	-11 56 57.07	0.013	17	0.31	37.558	18	33.6	57.28	16	33.6	G5 J	11	7330	A -12 5815
26		8.7A	40 39.467	0.0011	20	-18 24 29.74	0.001	15	0.33	39.450	18	33.6	29.77	16	33.6	K2 J	12B	8886	A -18 5761
27		9.4A	40 44.186	0.0008	17	-10 1 14.58	-0.008	18	0.33	44.172	18	33.6	14.45	16	33.6	K7 J	11	7332	A -10 5485
28		8.7A	40 46.345	0.0015	21	-15 22 5.09	0.012	15	0.34	46.320	18	33.6	5.28	16	33.6	F5 J	12A	7804	A -15 5767
29		9.0A	40 48.143	0.0018	15	-13 19 23.11	-0.024	17	0.31	48.113	18	33.6	22.72	16	33.6	A3 J	11	7333	A -13 5742
30		6.8T	40 50.555	0.0034	16	-11 49 21.00	-0.021	16	0.75	50.394	09	03.3	20.01	10	02.9	G5	GC	28868	-12 5818
31		9.0A	40 59.659	-0.0008	18	-11 3 3.55	-0.007	20	0.35	59.672	18	33.6	3.44	16	33.6	K2 J	11	7337	A -11 5404
32		8.6A	41 1.120	-0.0031	21	-15 59 32.29	0.016	15	0.34	1.171	18	33.6	32.55	16	33.6	F0 J	12A	7805	A -16 5681
33		7.5A	41 3.444	-0.0041	20	-19 31 29.70	-0.075	15	0.33	3.512	18	33.6	28.47	16	33.6	K0 J	13A	8891	A -19 5905
34		9.1A	41 3.651	-0.0029	18	-17 53 56.46	0.032	13	0.31	3.698	18	33.6	56.98	16	33.6	F2 J	12B	8892	A -18 5763
35		9.2A	41 3.653	0.0000	21	-16 56 35.27	0.006	15	0.34	3.652	18	33.6	35.37	16	33.6	A3 J	12A	7806	A -17 6067
36		9.2A	41 9.705	0.0021	18	-15 9 34.64	0.030	13	0.31	9.670	18	33.6	35.13	16	33.6	G0 J	12A	7807	A -15 5769
37		8.4Q	41 24.959	0.0023	20	-11 47 6.37	-0.037	18	0.94	24.848	26	02.6	4.58	24	01.4	K2	GC	28884	-12 5821
38		8.8A	41 26.908	-0.0013	15	-12 28 43.21	-0.001	17	0.31	26.929	18	33.6	43.19	16	33.6	A5 J	11	7339	A -12 5822
39		9.0A	41 36.901	0.0009	21	-15 13 36.39	-0.021	15	0.34	36.885	18	33.6	36.05	16	33.6	G0 J	12A	7809	A -15 5772
40		8.9A	41 43.996	-0.0006	18	-19 13 33.83	0.046	13	0.31	44.005	18	33.6	34.58	16	33.6	M3 J	12B	8895	A -19 5909
41		7.8A	41 46.514	0.0000	21	-14 22 2.73	-0.004	15	0.34	46.514	18	33.6	2.67	16	33.6	M2 J	12A	7810	A -14 5839
42		8.9A	41 48.761	-0.0005	15	-11 45 34.59	-0.009	17	0.31	48.768	18	33.6	34.44	16	33.6	G0 J	11	7341	A -12 5824
43		8.4A	41 53.428	0.0074	15	-10 40 30.45	-0.137	17	0.31	53.307	18	33.6	28.20	16	33.6	G0 J	11	7342	A -11 5408
44		8.8A	41 57.696	0.0002	21	-15 8 31.79	0.001	15	0.34	57.693	18	33.6	31.81	16	33.6	G5 J	12A	7811	A -15 5775
45		9.2A	42 4.672	-0.0015	18	-16 32 0.07	-0.056	13	0.31	4.698	18	33.6	59.15	16	33.6	G0 J	12A	7812	A -16 5686
46		8.6A	42 13.262	-0.0014	15	-11 12 45.96	0.003	17	0.31	13.285	18	33.6	46.01	16	33.6	K0 J	11	7343	A -11 5409
47		9.0A	42 25.284	-0.0027	21	-16 13 7.27	-0.003	15	0.34	25.328	18	33.6	7.22	16	33.6	K2 J	12A	7813	A -16 5689
48		6.9T	42 26.514	0.0039	16	-15 58 51.36	0.004	14	0.73	26.333	10	03.1	51.55	12	02.1	F0	GC	28914	-16 5690
49		9.0A	42 28.517	0.0009	21	-15 58 6.30	0.008	15	0.34	28.502	18	33.6	6.43	16	33.6	A2 J	12A	7815	A -16 5691
50		8.5A	42 28.770	0.0006	15	-11 17 56.06	0.031	17	0.31	28.761	18	33.6	56.56	16	33.6	K5 J	11	7344	A -11 5412
51		8.0A	20 42 35.501	0.0030	18	-15 13 3.01	0.025	13	0.31	35.451	18	33.6	3.42	16	33.6	G5 J	12A	7816	A -15 5780
52		9.0A	42 39.441	-0.0024	18	-19 14 10.85	0.015	13	0.31	39.480	18	33.6	11.09	16	33.6	G5 J	12B	8901	A -19 5913
53		8.8A	42 55.922	-0.0007	20	-19 21 12.47	-0.021	15	0.33	55.910	18	33.6	12.12	16	33.6	G5 J	12B	8903	A -19 5914
54		8.4A	42 58.121	-0.0023	15	-10 18 17.53	-0.055	17	0.31	58.158	18	33.6	16.63	16	33.6	F5 J	11	7345	A -10 5493
55		8.8A	43 8.577	-0.0025	20	-18 29 6.98	-0.016	15	0.33	8.617	18	33.6	6.73	16	33.6	G0 J	12B	8905	A -18 5771
56		9.0A	43 11.274	0.0001	15	-10 10 10.57	-0.011	15	0.30	11.272	18	33.6	10.39	16	33.6	K0 J	11	7346	A -10 5494
57		8.8A	43 15.397	0.0008	20	-19 19 15.14	-0.013	15	0.33	15.384	18	33.6	14.92	16	33.6	G0 J	12B	8908	A -19 5917
58		8.6A	43 21.344	0.0013	15	-11 12 14.67	-0.011	17	0.31	21.323	18	33.6	14.49	16	33.6	F5 J	11	7347	A -11 5417
59		9.3A	43 23.524	0.0003	21	-14 54 44.26	-0.006	15	0.34	23.520	18	33.6	44.16	16	33.6	A3 J	12A	7817	A -15 5785
60		9.0A	43 23.907	0.0052	13	-11 31 36.90	-0.018	15	0.29	23.822	18	33.6	36.60	16	33.6	G0 J	11	7348	A -11 5418
61		8.9A	43 25.884	0.0021	15	-11 47 17.02	0.016	15	0.30	25.849	18	33.6	17.28	16	33.6	A2 J	11	7349	A -12 5830
62		9.0A	43 26.159	0.0014	21	-17 27 39.60	0.013	15	0.34	26.137	18	33.6	39.81	16	33.6	K2 J	12A	7818	A -17 6076
63		8.7A	43 27.819	0.0004	15	-12 38 8.09	-0.012	15	0.30	27.813	18	33.6	7.89	16	33.6	K0 J	11	7350	A -12 5829
64		8.6A	43 30.565	-0.0001	15	-12 59 34.86	-0.039	17	0.31	30.568	18	33.6	34.22	16	33.6	K0 J	11	7351	A -13 5753
65		9.3A	43 35.972	0.0060	21	-17 3 55.32	0.009	15	0.34	35.873	18	33.6	55.47	16	33.6	G0 J	12A	7819K	A -17 6079
66		8.6A	43 36.911	-0.0018	18	-18 59 31.77	0.020	13	0.31	36.940	18	33.6	32.09	16	33.6	K0 J	12B	8911	A -19 5920
67		9.1A	43 44.627	0.0005	13	-12 59 10.32	-0.065	22	0.35	44.619	18	33.6	9.26	16	33.6	K2 J	11	7353	A -13 5755
68		7.9A	43 45.138	-0.0032	21	-17 20 44.52	-0.055	15	0.34	45.191	18	33.6	43.62	16	33.6	G0 J	12A	7821	A -17 6081
69		7.6T	43 46.700	0.0033	12	-19 37 16.25	0.047	13	0.63	46.534	18	99.2	18.46	19	03.2	F0	GC	28949	-19 5921
70		8.7A	43 48.935	-0.0010	15	-12 28 38.88	-0.031	17	0.31	48.951	18	33.6	38.37	16	33.6	G5 J	11	7354K	A -12 5833
71		8.4A	43 54.122	0.0021	17	-10 53 50.10	-0.003	18	0.33	54.087	18	33.6	50.05	16	33.6	F8 J	11	7355	A -11 5420
72		8.8A	43 56.374	-0.0008	17	-10 4 44.13	-0.030	18	0.33	56.387	18	33.6	43.64	16	33.6	F5 J	11	7356	A -10 5499
73		9.1A	44 1.197	-0.0002	20	-18 10 50.15	-0.019	15	0.33	1.200	18	33.6	49.84	16	33.6	F8 J	12B	8916	A -18 5774
74		8.9A	44 1.630	0.0020	18	-10 35 12.28	-0.026	20	0.35	1.596	18	33.6	11.85	16	33.6	F8 J	11	7358	A -10 5502
75		9.2A	44 18.000	-0.0002	21	-17 24 18.16	-0.010	15	0.34	18.004	18	33.6	18.00	16	33.6	G5 J	12A	7822	A -17 6083
76		9.2A	44 21.414	0.0111	21	-14 45 2.42	-0.065	15	0.34	21.232	18	33.6	1.35	16	33.6	G5 J	12A	7823	A -15 5790
77		8.6A	44 32.173	-0.0016	20	-18 48 18.36	-0.026	15	0.33	32.199	18	33.6	17.93	16	33.6	G0 J	12B	8919	A -19 5925
78		8.8A	44 34.090	-0.0008	21	-16 6 47.34	0.003	15	0.34	34.103	18	33.6	47.39	16	33.6	M1 J	12A	7824	A -16 5694
79		8.4A	44 39.310	-0.0010	18	-15 47 58.28	-0.006	13	0.31	39.327	18	33.6	58.18	16	33.6	K0 J	12A	7825	A -16 5695
80		9.3A	44 51.058	0.0017	21	-14 51 7.66	0.007	15	0.34	51.030	18	33.6	7.77	16	33.6	G5 J	12A	7826	A -15 5793
81		8.3A	44 53.423	0.0004	18	-10 14 10.25	0.061	20	0.35	53.416	18	33.6	11.25	16	33.6	F8 J	11	7359	A -10 5504
82		9.1A	44 54.450	0.0061	21	-15 52 56.03	0.015	15	0.34	54.351	18	33.6	56.27	16	33.6	G5 J	12A	7827	A -16 5697
83		9.2A	45 3.767	0.0005	21	-16 26 43.57	0.015	15	0.34	3.759	18	33.6	43.82	16	33.6	G0 J	12A	7828	A -16 5698
84		9.0A	45 8.558	-0.0028	21	-16 39 9.01	-0.090	15	0.34	8.604	18	33.6	7.54	16	33.6	G5 J	12A	7829	A -17 6086
85		9.4A	45 8.780	0.0007	15	-13 45 40.45	-0.001	17	0.31	8.748	18	33.6	40.44	16	33.6	G0 J	11	7361	A -14 5851
86		7.9A	45 19.187	-0.0007	21	-16 31 57.21	-0.055	15	0.34	19.198	18	33.6	56.31	16	33.6	F0 J	12A	7830	A -16 5702
87		6.8T	45 22.420	0.0061	15	-19 26 43.23	-0.021	13	0.77	22.111	24	99.2	42.11	21	97.4	F5	GC	28991	-19 5928
88		8.0A	45 24.321	-0.0014	21	-16 55 23.43	-0.057	15	0.34	24.344	18	33.6	22.50	16	33.6	F5 J	12A	7832	A -17 6088
89		7.0T	45 24.378	-0.0035	17	-16 42 20.45	-0.047	15	0.76	24.542	10	03.7	18.22	12	02.5	F2	GC	28992	-17 6089
90		8.8A	45 27.736	0.0052	17	-10 13 38.92	0.004	18	0.33	27.651	18	33.6	38.98	16	33.6	K0 J	11	7363	A -10 5509
91		8.2A	45 30.381	0.0009	18	-12 38 23.81	0.062	20	0.35	30.365	18	33.6	24.83	16	33.6	G0 J	11	7364	A -12 5839
92		8.6A	45 32.268	0.0021	17	-13 17 21.06	0.048	18	0.33	32.234	18	33.6	21.85	16	33.6	G5 J	11	7365	A -13 5761
93		9.3A	45 32.638	0.0025	21	-13 40 26.41	0.006	15	0.34	32.598	18	33.6	26.51	16	33.6	A2 J	12A	7834	A -14 5852
94		7.7A	45 34.606	0.0010	15	-18 23 6.78	-0.009	11	0.27	34.590	18	33.6	6.64	16	33.6	G5 J	12B	8923	A -18 5778
95		6.7T	45 35.625	0.0015	05	-18 23 12.87	0.000	04	0.26	35.552	10	00.2	12.89	12	94.1	G5	GC	28996K	B4-18 5779
96		9.2A	45 37.865	-0.0004	15	-13 46 29.99	-0.032	17	0.31	37.872	18	33.6	29.47	16	33.6	M1 J	11	7367	A -14 5853
97		9.1A	45 37.920	0.0025	17	-11 44 4.22	-0.061	18	0.33	37.878	18	33.6	3.22	16	33.6	F8 J	11	7368	A -12 5840
98		8.9A	45 40.851	0.0009	21	-15 5 29.50	0.004	15	0.34	40.836	18	33.6	29.57	16	33.6	K0 J	12A	7835	A -15 5796
99		8.5A	45 48.954	0.0032	21	-13 43 39.50	-0.027	15	0.34	48.901	18	33.6	39.06	16	33.6	F5 J	12A	7836	A -14 5855
00		9.1A	45 51.651	0.0001	18	-19 39 56.29	0.009	13	0.30	51.650	16	33.6	56.44	16	33.6	G5 J	13A	8926	A -20 6037

163900

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NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	EPOCH 1950 μ s	EPOCH 1950 σ_μ ″.001	EPOCH 1950 δ_{1950} ° ′ ″	EPOCH 1950 μ' ″	EPOCH 1950 σ'_μ ″.001	EPOCH 1950 σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.		SOURCE CAT.	SOURCE STAR NUMBER	DM NUMBER
1		9.0A	20 45 58.752	0.0083	21	-13 43 47.96	-0.010	15	0.34	58.616	18	33.6	47.80	16	33.6	GO	J	12A	7837	A -14 5856
2		9.0A	46 4.669	0.0007	18	-11 23 50.63	-0.020	20	0.35	4.657	18	33.6	50.96	16	33.6	F8	J	11	7372	A -11 5432
3		9.2A	46 15.269	0.0010	21	-17 8 7.81	-0.002	15	0.34	15.254	18	33.6	7.78	16	33.6	A2	J	12A	7838	A -17 6095
4		9.1A	46 17.118	0.0052	21	-14 40 17.19	-0.023	15	0.34	17.032	18	33.6	16.81	16	33.6	F8	J	12A	7839	A -15 5800
5		8.2G	46 19.149	0.0022	09	-12 47 47.32	-0.005	07	0.43	19.045	18	03.2	47.05	17	95.8	GO		GC	29016	-13 5766
6		9.1A	46 21.612	0.0036	21	-15 5 11.17	-0.039	15	0.34	21.552	18	33.6	10.53	16	33.6	F5	J	12A	7840	A -15 5801
7		9.3A	46 21.817	-0.0040	21	-14 43 37.75	-0.031	15	0.34	21.883	18	33.6	37.24	16	33.6	GO	J	12A	7841	A -15 5802
8		8.9A	46 28.521	0.0009	17	-10 32 35.79	-0.008	18	0.33	28.506	18	33.6	35.66	16	33.6	GO	J	11	7374	A -10 5515
9		8.7A	46 29.839	0.0081	20	-18 24 15.18	-0.043	15	0.33	29.706	18	33.6	15.89	16	33.6	GO	J	12B	8930	A -18 5782
10		6.4T	46 30.489	0.0001	04	-18 13 18.17	-0.034	04	0.21	30.485	07	01.9	16.49	09	00.1	KO		GC	29023	B*-18 5783
11		9.4A	46 34.535	0.0003	21	-15 25 56.24	-0.009	15	0.34	34.529	18	33.6	56.09	16	33.6	M0	J	12A	7842	A -15 5803
12		8.8A	46 34.838	0.0016	18	-13 13 43.91	-0.026	20	0.35	34.813	18	33.6	43.49	16	33.6	A2	J	11	7375	A -13 5767
13		8.1A	46 41.061	-0.0020	18	-11 38 28.77	-0.011	20	0.35	41.093	18	33.6	28.95	16	33.6	F0	J	11	7376	A -11 5434
14		8.8A	46 43.177	0.0032	21	-14 11 25.85	-0.026	15	0.34	43.125	18	33.6	25.43	16	33.6	GO	J	12A	7843	A -14 5859
15		9.2A	46 48.315	0.0006	17	-11 49 36.40	-0.017	18	0.33	48.305	18	33.6	36.12	16	33.6	K0	J	11	7377	A -12 5843
16		9.4A	46 51.620	0.0003	17	-11 39 23.87	-0.048	18	0.33	51.614	18	33.6	23.08	16	33.6	K2	J	11	7378	A -12 5844
17		9.1A	47 8.874	-0.0001	20	-19 54 35.61	-0.014	15	0.33	8.876	16	33.6	35.38	16	33.6	GO	J	13A	8934	A -20 6043
18		8.4A	47 10.337	0.0012	21	-13 49 45.70	-0.025	15	0.34	10.317	18	33.6	45.29	16	33.6	K0	J	12A	7844	A -14 5861
19		9.4A	47 17.491	0.0003	21	-16 44 11.16	-0.019	15	0.34	17.486	18	33.6	11.47	16	33.6	F0	J	12A	7845	A -17 6102
20		9.1A	47 37.915	-0.0004	20	-19 52 38.00	-0.032	15	0.33	37.921	16	33.6	37.48	16	33.6	F8	J	13A	8935	A -20 6046
21		8.2A	47 48.139	0.0042	18	-15 41 53.16	0.004	13	0.31	48.071	18	33.6	53.22	16	33.6	G5	J	12A	7846	A -16 5709
22		8.9A	47 50.659	0.0025	17	-14 59 19.30	-0.038	12	0.29	50.618	18	33.6	18.68	16	33.6	K0	J	12A	7847	A -15 5809
23		9.3A	47 56.137	0.0015	15	-10 13 10.78	-0.070	17	0.31	56.112	18	33.6	9.63	16	33.6	G5	J	11	7382	A -10 5520
24		6.0T	47 56.492	0.0084	03	-12 43 53.05	-0.070	03	0.14	56.130	05	07.1	49.98	05	06.1	K0		GC	29057	B*-13 5773
25		9.3A	47 58.886	0.0006	20	-18 25 12.17	-0.016	15	0.33	58.877	18	33.6	11.91	16	33.6	A3	J	12B	8937	A -18 5790
26		8.6A	48 2.361	0.0006	21	-14 23 16.56	-0.006	15	0.34	2.352	18	33.6	16.46	16	33.6	G5	J	12A	7848	A -14 5864
27		9.3A	48 4.835	-0.0041	21	-15 28 40.88	-0.025	15	0.34	4.902	18	33.6	40.50	16	33.6	G5	J	12A	7849	A -15 5812
28		8.8A	48 7.939	-0.0020	21	-17 28 43.50	-0.004	15	0.34	7.973	18	33.6	43.56	16	33.6	K0	J	12A	7850	A -17 6104
29		8.7A	48 10.438	-0.0073	20	-17 56 54.09	-0.057	13	0.32	10.558	18	33.6	53.16	16	33.6	G5	J	12B	8939	A -18 5792
30		9.1A	48 14.433	-0.0019	18	-19 46 37.38	0.011	13	0.30	14.465	16	33.6	37.56	16	33.6	K0	J	13A	8940	A -20 6048
31		9.2A	48 14.844	0.0002	18	-15 15 40.41	-0.041	13	0.31	14.840	18	33.6	39.74	16	33.6	F5	J	12A	7851	A -15 5813
32		8.1A	48 17.426	-0.0001	21	-16 36 8.13	0.014	15	0.34	17.428	18	33.6	8.36	16	33.6	K0	J	12A	7852	A -16 5711
33		9.0A	48 19.673	-0.0020	18	-15 27 2.07	-0.012	13	0.31	19.706	18	33.6	1.88	16	33.6	K2	J	12A	7853	A -15 5814
34		9.0A	48 32.911	0.0023	21	-14 6 41.60	-0.045	15	0.34	32.874	18	33.6	40.87	16	33.6	A5	J	12A	7854	A -14 5866
35		9.0A	48 36.742	0.0061	15	-10 30 36.17	-0.014	17	0.31	36.643	18	33.6	35.94	16	33.6	G0	J	11	7384	A -10 5524
36		7.8A	48 40.975	0.0002	20	-17 41 38.40	-0.044	15	0.33	40.972	18	33.6	37.69	16	33.6	K0	J	12B	8944	A -18 5795
37		8.8A	48 48.152	0.0009	21	-13 56 17.21	0.011	15	0.34	48.137	18	33.6	17.39	16	33.6	K5	J	12A	7856	A -14 5867
38		8.0A	49 4.467	0.0000	15	-10 30 20.91	-0.010	17	0.31	4.467	18	33.6	20.75	16	33.6	G0	J	11	7385	A -10 5526
39		8.9A	49 9.147	0.0016	15	-12 41 3.77	-0.027	17	0.31	9.120	18	33.6	3.33	16	33.6	G5	J	11	7386	A -13 5777
40		7.1T	49 16.757	0.0056	06	-11 37 40.66	-0.018	06	0.39	16.416	17	89.6	39.57	15	89.5	K0		GC	29086	-11 5447
41		8.9A	49 18.309	-0.0002	20	-19 15 46.25	0.005	13	0.32	18.314	18	33.6	46.32	16	33.6	G0	J	12B	8947	A -19 5940
42		9.1A	49 19.954	-0.0028	15	-11 36 27.73	-0.056	17	0.31	19.999	18	33.6	26.81	16	33.6	K0	J	11	7389	A -11 5448
43		7.2T	49 24.633	-0.0001	13	-19 49 55.32	0.011	13	0.63	24.640	10	03.0	55.85	12	02.2	A0p		GC	29091	-20 6055
44		8.6A	49 29.177	-0.0004	20	-18 55 54.04	0.009	15	0.33	29.184	18	33.6	54.18	16	33.6	F5	J	12B	8950	A -19 5942
45		8.5A	49 36.247	0.0011	20	-19 43 7.19	-0.005	15	0.33	36.229	16	33.6	7.11	16	33.6	K2	J	13A	8951	A -20 6056
46		7.0T	49 45.574	0.0022	09	-13 23 31.30	0.010	07	0.38	45.468	09	02.5	31.80	09	00.3	K2		GC	29105	-13 5779
47		9.0A	49 47.617	0.0006	21	-13 57 7.16	0.001	15	0.34	47.608	18	33.6	7.20	16	33.6	K0	J	12A	7858	A -14 5871
48		8.5G	50 1.490	0.0016	09	-16 21 14.27	0.005	08	0.46	1.414	15	01.1	14.53	15	97.6	G5		GC	29113K	B*-16 5718
49		9.1A	50 2.165	0.0031	15	-10 15 16.41	-0.008	17	0.31	2.114	18	33.6	16.28	16	33.6	G0	J	11	7391	A -10 5533
50		8.9A	50 7.453	0.0051	21	-17 11 41.28	-0.009	15	0.34	7.369	18	33.6	41.13	16	33.6	K0	J	12A	7861	A -17 6112
51		8.8A	20 50 7.717	0.0035	20	-17 44 49.51	-0.013	15	0.33	7.660	18	33.6	49.30	16	33.6	K0	J	12B	8952	A -18 5800
52		9.0A	50 13.659	0.0024	21	-16 3 28.60	0.009	12	0.33	13.620	18	33.6	28.75	16	33.6	K0	J	12A	7862	A -16 5719
53		6.4T	50 21.576	0.0032	04	-11 45 49.89	0.047	04	0.20	21.416	07	00.8	52.21	07	00.7	G0		GC	29125	B*-12 5854
54		7.1T	50 41.304	-0.0003	12	-19 18 13.12	0.016	09	0.52	41.319	09	02.6	13.91	09	99.8	K0		GC	29129	-19 5950
55		9.3A	50 44.846	0.0002	18	-19 57 23.66	0.005	13	0.30	44.843	16	33.6	23.74	16	33.6	G0	J	13A	8957	A -20 6062
56		9.3A	50 45.370	0.0038	15	-12 17 7.63	-0.073	17	0.31	45.308	18	33.6	6.43	16	33.6	G0	J	11	7394	A -12 5855
57		8.5A	50 47.713	-0.0004	21	-14 36 37.30	0.010	15	0.34	47.719	18	33.6	37.46	16	33.6	G5	J	12A	7865	A -14 5875
58		8.8A	50 52.106	0.0032	20	-18 34 20.87	0.005	15	0.33	52.054	18	33.6	20.94	16	33.6	K0	J	12B	8958	A -18 5803
59		8.6A	50 52.785	0.0017	21	-17 4 24.66	-0.005	15	0.34	52.758	18	33.6	24.58	16	33.6	K0	J	12A	7866	A -17 6114
60		8.7A	50 55.903	0.0016	15	-11 50 41.80	0.003	17	0.31	55.877	18	33.6	41.85	16	33.6	F8	J	11	7395	A -12 5857
61		9.3A	50 56.203	-0.0018	21	-17 25 39.92	-0.039	15	0.34	56.232	18	33.6	39.28	16	33.6	G0	J	12A	7867	A -17 6115
62		9.1A	51 1.613	0.0017	15	-12 45 32.46	-0.042	17	0.31	1.586	18	33.6	31.77	16	33.6	F8	J	11	7396	A -13 5785
63		8.7A	51 6.158	0.0073	15	-13 23 40.88	-0.053	17	0.31	6.039	18	33.6	40.02	16	33.6	G5	J	11	7397	A -13 5786
64		8.2A	51 12.973	-0.0001	17	-12 28 55.46	0.002	18	0.33	12.974	18	33.6	55.49	16	33.6	F8	J	11	7398	A -12 5858
65		7.5T	51 15.139	-0.0000	17	-19 11 11.12	-0.003	15	0.81	15.140	26	03.1	10.96	22	00.0	G0		GC	29140	-19 5954
66		7.1T	51 19.948	-0.0028	13	-11 6 52.33	-0.008	12	0.71	20.092	24	99.4	51.92	24	98.2	K0		GC	29143	-11 5456
67		8.8A	51 33.100	0.0092	21	-14 21 45.09	-0.032	15	0.34	32.949	18	33.6	44.57	16	33.6	G5	J	12A	7868	A -14 5880
68		8.7A	51 40.914	0.0010	17	-13 21 1.85	-0.067	18	0.33	40.898	18	33.6	0.75	16	33.6	F5	J	11	7401	A -13 5788
69		8.7A	51 41.882	-0.0002	20	-19 2 25.11	0.013	15	0.33	41.886	18	33.6	25.32	16	33.6	A0	J	12B	8962	A -19 5958
70		8.9A	51 42.796	0.0028	18	-11 0 56.30	0.046	20	0.35	42.750	18	33.6	57.05	16	33.6	A3	J	11	7402	A -11 5460
71		9.0A	51 45.964	0.0028	18	-11 23 52.88	-0.011	20	0.35	45.918	18	33.6	52.70	16	33.6	G5	J	11	7403	A -11 5461
72		8.8A	51 51.597	0.0002	20	-18 20 27.44	-0.030	15	0.33	51.593	18	33.6	26.96	16	33.6	G0	J	12B	8965	A -18 5804
73		6.7T	51 56.313	0.0065	09	-13 59 2.84	0.017	07	0.46	55.987	15	99.7	3.74	14	96.0	F0		GC	29162	-19 5960
74		9.1A	51 57.571	0.0012	21	-14 0 23.17	-0.030	15	0.34	57.551	18	33.6	22.68	16	33.6	F8	J	12A	7869	A -14 5882
75		5.9T	51 58.444	-0.0037	03	-18 6 49.76	-0.018	02	0.15	58.636	05	98.4	48.80	06	95.6	K0		GC	29164	B*-18 5805
76		7.7T	52 8.955	-0.0009	10	-15 28 26.49	-0.002	08	0.43	8.998	09	02.7	26.39	10	01.4	A5		GC	29169	-15 5833
77		9.2A	52 21.696	0.0015	21	-16 19 13.03	0.031	15	0.34	21.671	18	33.6	13.54	16	33.6	K0	J	12A	7871	A -16 5725
78		9.2A	52 29.142	0.0026	21	-16 44 40.69	-0.013	15	0.34	29.100	18	33.6	40.48	16	33.6	G0	J	12A	7872	A -17 6123
79		9.2A	52 33.028	0.0012	21	-16 51 35.95	-0.032	15	0.34	33.008	18	33.6	35.43	16	33.6	F0	J	12A	7873	A -17 6125
80		9.2A	52 35.923	-0.0025	18	-16 14 20.94	-0.025	13	0.31	35.964	18	33.6	20.53	16	33.6	G5	J	12A	7874	A -16 5728
81		9.1A	52 37.058	0.0024	20	-19 8 6.05	0.007	15	0.33	37.020	18	33.6	6.16	16	33.6	A0	J	12B	8971	A -19 5963
82		8.7A	52 37.760	0.0038	15	-13 27 20.61	-0.004	17	0.31	37.698	18	33.6	20.55	16	33.6	F5	J	11	7404	A -13 5790
83		8.4A	52 40.851	-0.0026	18	-11 30 22.85	0.019	20	0.35	40.893	18	33.6	23.16	16	33.6	K0	J	11	7405	A -11 5463
84		8.6A	52 42.556	0.0011	21	-14 48 25.96	0.007	15	0.34	42.538	18	33.6	26.07	16	33.6	A5	J	12A	7875	A -15 5835
85		8.8A	52 47.064	0.0013	15	-11 58 52.45	-0.022	17	0.31	47.042	18	33.6	52.09	16	33.6	G0	J	11	7406K	A -12 5865
86		9.0A	52 52.395	-0.0014	20	-19 12 58.64	0.022	13	0.32	52.418	18	33.6	58.99	16	33.6	K2	J	12B	8973	A -19 5965
87		8.2A	52 54.182	0.0035	20	-18 46 21.84	0.011	15	0.33	54.126	18	33.6	22.01	16	33.6	A0	J	12B	8974	A -19 5966
88		8.4A	52 54.665	0.0007	15	-13 3 32.98	0.033	17	0.31	54.673	18	33.6	33.52	16	33.6	F2	J	11	7407	A -13 5791
89		7.1T	52 58.571	0.0024	16	-17 17 17.91	-0.046	13	0.75	58.456	26	03.0	15.60	22	99.6	G0		GC	29197	-17 6127
90		9.1A	53 2.813	0.0023	21	-13 37 0.12	-0.022	15	0.34	2.775	18	33.6	59.76	16	33.6	F5	J	12A	7877	A -13 5793
91		9.1A	53 7.507	0.0003	15	-11 13 36.75	0.001	17	0.31	7.502	18	33.6	36.77	16	33.6	F5	J	11	7410	A -11 5468
92		8.8A	53 12.646	-0.0018	21	-15 29 45.48	0.012	15	0.34	12.674	18	33.6	45.68	16	33.6	K5	J	12A	7878	A -15 5838
93		9.3A	53 14.061	0.0024	15	-10 58 46.70	-0.000	17	0.31	14.022	18	33.6	46.70	16	33.6	F8	J	11	7411	A -11 5470
94		8.5A	53 14.565	0.0011	20	-19 13 31.74	-0.009	15	0.33	14.547	18	33.6	31.58	16	33.6	K0	J	12B	8976	A -19 5967
95		8.9A	53 16.998	0.0022	15	-11 47 18.48	-0.051	17	0.31	16.962	18	33.6	17.64	16	33.6	F8	J	11	7412	A -12 5869
96		7.6T	53 20.588	0.0012	14	-17 26 7.25	0.019	12	0.72	20.525	22	99.4	8.31	19	94.6	K0		GC	29205	-17 6129
97		8.0G	53 58.257	0.0007	10	-16 2 38.02	0.019	07	0.45	58.226	18	03.4	39.00	17	98.5	A2		GC	29216	-16 5734
98		8.9A	54 7.538	-0.0007	20	-17 42 37.18	-0.009	15	0.33	7.549	18	33.6	37.04	16	33.6	K5	J	12B	8980	A -18 5811
99		9.5A	54 10.819	-0.0036	13	-10 5 46.01	-0.012	15	0.29	10.877	18	33.6	45.82	16	33.6			11	7414	A -10 5552
00		9.0A	54 11.221	0.0021	13	-10 6 40.95	0.058	15	0.29	11.186	18	33.6	41.90	16	33.6	F5	J	11	7415	A -10 5551

164000

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	EPOCH 1950 μ_s s	EPOCH 1950 σ_μ ″.001	EPOCH 1950 δ_{1950} ° ′ ″	EPOCH 1950 μ' ″	EPOCH 1950 σ_μ ″.001	EPOCH 1950 σ_{1950} ″	ORIGINAL EPOCH α_2 s	ORIGINAL EPOCH σ ″.01	ORIGINAL EPOCH ep.	ORIGINAL EPOCH δ_2 ″	ORIGINAL EPOCH σ' ″.01	ORIGINAL EPOCH ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	-10° 20H DM NUMBER
1		8.8A	20 54 11.293	0.0032	15	-10 30 52.01	0.010	17	0.31	11.240	18	33.6	52.17	16	33.6	KO J	11	7413	A -10 5550
2		9.4A	54 18.796	-0.0013	15	-11 39 56.38	-0.042	15	0.30	18.817	18	33.6	55.69	16	33.6	K5 J	11	7417	A -12 5872
3		9.0A	54 22.210	0.0010	18	-15 54 33.32	-0.009	13	0.31	22.194	18	33.6	33.17	16	33.6	K5 J	12A	7882	A -16 5738
4		8.8A	54 22.648	-0.0010	20	-18 58 40.11	-0.049	15	0.33	22.664	18	33.6	39.30	16	33.6	A0 J	12B	8982	A -19 5969
5		8.6B	54 23.858	0.0019	12	-16 21 58.48	-0.001	08	0.50	23.775	18	05.3	58.43	17	00.2	A0	GC	29228	-16 5739
6		9.1A	54 28.629	0.0039	21	-15 8 18.51	-0.027	15	0.34	28.565	18	33.6	18.07	16	33.6	F8 J	12A	7884	A -15 5842
7		9.1A	54 32.798	-0.0009	20	-18 2 14.25	-0.001	13	0.32	32.804	18	33.6	14.23	16	33.6	K0 J	12B	8983	A -18 5815
8		9.3A	54 33.040	-0.0013	21	-13 59 51.25	-0.006	15	0.34	33.061	18	33.6	51.15	16	33.6	K0 J	12A	7885	A -14 5893
9		9.1A	54 38.519	0.0011	20	-19 6 45.93	0.055	15	0.33	38.501	18	33.6	46.83	16	33.6	F0 J	12B	8984	A -19 5970
10		9.4A	54 39.683	0.0025	21	-16 38 22.08	0.037	15	0.34	39.641	18	33.6	22.69	16	33.6	F8 J	12A	7886	A -17 6133
11		8.7A	54 42.789	0.0002	18	-17 55 34.60	0.022	12	0.30	42.786	18	33.6	34.96	16	33.6	K3 J	12B	8986	A -18 5816
12		9.1A	54 49.349	0.0009	20	-18 53 46.31	0.006	15	0.33	49.335	18	33.6	46.40	16	33.6	F5 J	12B	8987	A -19 5971
13		6.0H	54 52.797	0.0035	02	-16 13 30.89	0.002	02	0.06	52.694	03	20.7	30.94	04	20.2	A3	F4	1548	-16 5741
14		9.2A	55 7.614	0.0048	20	-19 59 34.77	-0.018	15	0.33	7.536	18	33.6	34.48	16	33.6	G0 J	13A	8991	A -20 6082
15		8.8A	55 15.329	0.0000	21	-16 37 53.74	-0.054	15	0.34	15.328	18	33.6	52.86	16	33.6	G0 J	12A	7888	A -16 5744
16		8.6A	55 17.267	0.0075	21	-15 21 19.98	-0.005	15	0.34	17.144	18	33.6	19.90	16	33.6	G5 J	12A	7889	A -15 5846
17		9.1A	55 17.749	-0.0047	21	-13 49 23.46	-0.048	15	0.34	17.827	18	33.6	22.68	16	33.6	G0 J	12A	7890	A -14 5895
18		7.5A	55 17.955	-0.0018	15	-12 8 55.44	-0.011	17	0.31	17.984	18	33.6	55.26	16	33.6	K0 J	11	7419	A -12 5876
19		8.7A	55 21.297	0.0022	17	-12 34 31.86	0.005	18	0.33	21.261	18	33.6	31.94	16	33.6	G5 J	11	7421	A -12 5877
20		9.0A	55 24.304	0.0011	17	-10 46 26.25	0.010	18	0.33	24.266	18	33.6	26.41	16	33.6	F8 J	11	7423	A -11 5478
21		8.8A	55 24.354	-0.0033	21	-16 53 16.61	-0.009	15	0.34	24.408	18	33.6	16.46	16	33.6	K0 J	12A	7891	A -17 6135
22		9.1A	55 26.540	0.0019	13	-13 20 48.46	-0.000	15	0.29	26.509	18	33.6	46.46	16	33.6	G5 J	11	7422	A -13 5804
23		9.0A	55 28.268	0.0020	18	-15 18 55.91	-0.038	20	0.35	28.234	18	33.6	55.29	16	33.6	G0 J	11	7424	A -13 5805
24		8.6A	55 32.800	0.0021	21	-17 12 39.88	-0.018	15	0.34	32.766	18	33.6	39.59	16	33.6	K0 J	12A	7892	A -17 6137
25		7.5T	55 50.041	0.0093	13	-13 33 36.80	-0.108	13	0.69	49.578	21	00.3	31.37	19	99.6	G0	GC	29264	-13 5807
26		9.4A	55 51.612	0.0005	18	-19 19 31.44	-0.004	13	0.31	51.605	18	33.6	31.37	16	33.6	F5 J	12B	8995	A -19 5976
27		6.0T	55 55.847	-0.0031	11	-14 40 36.00	-0.000	10	0.51	55.993	09	02.8	38.00	09	02.4	A3	GC	29265	-15 5848
28		9.1A	55 57.041	0.0008	21	-16 36 19.21	0.007	15	0.34	57.028	18	33.6	19.32	16	33.6	F8 J	12A	7894	A -16 5749
29		9.3A	56 8.207	0.0014	18	-19 20 54.45	-0.015	13	0.31	8.185	18	33.6	54.20	16	33.6	F5 J	12B	8996	A -19 5977
30		8.8A	56 8.490	0.0018	17	-15 54 33.65	-0.002	11	0.28	8.460	18	33.6	33.61	16	33.6	K0 J	12A	7896	A -16 5753
31		9.0A	56 9.686	-0.0001	15	-15 49 24.97	-0.008	12	0.28	9.668	18	33.6	24.84	16	33.6	G5 J	12A	7897	A -16 5754
32		8.4A	56 12.403	-0.0031	20	-19 6 35.09	-0.084	15	0.33	12.455	18	33.6	33.71	16	33.6	G5 J	12B	8997	A -19 5978
33		8.8A	56 15.369	-0.0023	20	-18 3 23.29	-0.009	15	0.33	15.406	18	33.6	23.14	16	33.6	K0 J	12B	8998	A -18 5819
34		9.2A	56 17.185	-0.0076	15	-11 41 12.01	-0.060	17	0.31	17.309	18	33.6	11.03	16	33.6	G0 J	11	7429	A -12 5882
35		9.2A	56 19.916	0.0000	21	-14 16 44.93	0.009	15	0.34	19.916	18	33.6	45.08	16	33.6	K2 J	12A	7898	A -14 5901
36		8.4A	56 20.234	0.0001	18	-13 24 37.79	0.023	20	0.35	20.232	18	33.6	38.17	16	33.6	F0 J	11	7430K	A -13 5810
37		8.5A	56 31.507	0.0023	18	-10 54 30.23	0.034	20	0.35	31.469	18	33.6	30.78	16	33.6	K0 J	11	7431	A -11 5484
38		9.2A	56 32.986	-0.0001	21	-14 19 47.78	0.017	15	0.34	32.998	18	33.6	48.06	16	33.6	K0 J	12A	7899	A -14 5902
39		8.5A	56 35.639	0.0014	15	-10 26 57.09	0.038	15	0.33	35.616	18	33.6	57.71	16	33.6	A0 J	11	7432	A -10 5561
40		8.8A	56 37.615	-0.0014	18	-10 53 47.67	0.001	20	0.35	37.638	18	33.6	47.69	16	33.6	F8 J	11	7433	A -11 5485
41		8.6B	56 39.209	0.0080	11	-17 4 28.18	0.012	09	0.48	38.985	18	05.4	28.77	18	01.6	F2	GC	29281	-17 6140
42		8.8A	56 43.189	0.0001	21	-14 59 41.88	-0.003	15	0.34	43.190	18	33.6	41.83	16	33.6	M4 J	12A	7901	A -15 5852
43		6.2T	56 45.807	-0.0007	03	-19 13 48.99	-0.011	03	0.18	45.773	07	00.3	48.41	07	98.2	A0P	GC	29287	B+19 5982
44		8.8A	56 49.668	-0.0007	20	-17 39 42.76	0.036	15	0.33	49.679	18	33.6	43.35	16	33.6	K0 J	12B	9003	A -18 5821
45		8.7A	57 6.289	0.0005	20	-19 48 12.30	0.011	15	0.33	6.281	16	33.6	12.48	16	33.6	F8 J	13A	9006	A -20 6093
46		6.6T	57 10.041	-0.0023	03	-13 14 49.69	0.002	04	0.19	10.152	07	01.2	49.99	09	99.6	A3	GC	29298	B+13 5813
47		8.8A	57 10.816	0.0018	18	-17 29 3.35	0.011	13	0.31	10.787	18	33.6	3.53	16	33.6	A5 J	12A	7903	A -17 6144
48		8.8A	57 17.011	0.0017	20	-19 13 17.83	0.011	15	0.33	16.983	18	33.6	18.00	16	33.6	G5 J	12B	9009	A -19 5984
49		9.3A	57 20.988	0.0014	21	-15 4 33.88	0.005	15	0.34	20.965	18	33.6	33.96	16	33.6	F2 J	12A	7905	A -15 5856
50		7.7A	57 25.917	-0.0003	15	-10 49 26.89	0.007	17	0.31	25.922	18	33.6	27.00	16	33.6	F5 J	11	7437	A -11 5491
51		8.9A	20 57 27.007	0.0007	21	-15 18 37.03	-0.002	12	0.33	26.996	18	33.6	37.00	16	33.6	A3 J	12A	7906	A -15 5858
52		8.1A	57 29.293	0.0014	21	-13 41 39.88	-0.012	15	0.34	29.270	18	33.6	39.68	16	33.6	K2 J	12A	7908	A -14 5907
53		9.0A	57 29.312	-0.0002	21	-14 40 7.30	-0.025	15	0.34	29.315	18	33.6	6.92	16	33.6	K0 J	12A	7907	A -15 5859
54		8.7A	57 30.367	0.0015	21	-14 7 33.34	0.005	15	0.34	30.342	18	33.6	33.42	16	33.6	K0 J	12A	7910	A -14 5908
55		9.1A	57 30.873	-0.0002	21	-16 6 14.75	-0.008	15	0.34	30.876	18	33.6	14.62	16	33.6	K0 J	12A	7908	A -16 5758
56		8.8A	57 36.186	-0.0004	21	-15 57 20.04	-0.000	15	0.34	36.173	18	33.6	20.04	16	33.6	G5 J	12A	7911	A -16 5759
57		8.0B	57 37.147	-0.0006	17	-11 12 16.00	0.015	10	0.64	37.174	19	07.1	16.72	19	02.4	A5	GC	29310	-11 5492
58		9.4A	57 39.802	0.0035	21	-16 35 51.99	0.009	15	0.34	39.746	18	33.6	52.14	16	33.6	G0 J	12A	7912	A -16 5761
59		8.8A	57 48.470	-0.0005	15	-11 13 21.22	-0.003	17	0.31	48.477	18	33.6	21.17	16	33.6	K5 J	11	7440	A -11 5493
60		8.8A	57 58.841	0.0014	21	-16 1 45.20	0.009	15	0.34	58.818	18	33.6	45.35	16	33.6	K0 J	12A	7913	A -16 5764
61		6.5T	58 3.042	-0.0019	03	-17 43 37.22	-0.011	03	0.17	3.144	06	97.1	36.65	07	96.5	K0	GC	29322	B+18 5831
62		8.0A	58 18.480	-0.0011	18	-11 39 26.25	0.001	20	0.35	18.497	18	33.6	26.27	16	33.6	K0 J	11	7442	A -12 5886
63		9.1A	58 18.614	0.0008	17	-12 45 45.84	-0.026	18	0.33	18.601	18	33.6	45.42	16	33.6	G5 J	11	7441	A -13 5822
64		6.6T	58 23.080	0.0001	03	-13 43 36.16	0.008	04	0.20	23.084	07	98.4	36.60	07	96.4	G5	GC	29337	B+14 5908
65		8.3A	58 36.374	0.0007	20	-19 6 51.27	0.025	15	0.33	36.361	18	33.6	51.67	16	33.6	G5 J	12B	9014	A -19 5991
66		8.4A	58 37.753	0.0014	17	-10 56 58.72	-0.022	18	0.33	37.729	18	33.6	58.36	16	33.6	F0 J	11	7444	A -11 5490
67		9.0A	58 42.525	-0.0036	21	-17 3 6.51	0.022	15	0.34	42.584	18	33.6	6.87	16	33.6	G0 J	12A	7916	A -17 6154
68		8.7A	58 43.588	-0.0015	17	-12 44 13.79	-0.079	18	0.33	43.613	18	33.6	12.50	16	33.6	K0 J	11	7445	A -13 5825
69		8.1A	58 48.118	0.0001	21	-16 37 57.32	0.001	15	0.34	48.116	18	33.6	57.34	16	33.6	K2 J	12A	7917	A -17 6155
70		8.5A	58 52.153	0.0030	21	-14 54 34.35	-0.004	15	0.34	52.103	18	33.6	34.28	16	33.6	K0 J	12A	7918	A -15 5864
71		9.0A	58 56.588	0.0020	21	-13 42 17.22	-0.011	15	0.34	56.536	18	33.6	17.04	16	33.6	K2 J	12A	7919	A -14 5911
72		8.9A	59 3.914	0.0002	20	-18 21 12.67	-0.027	15	0.33	3.911	18	33.6	12.23	16	33.6	K2 J	12B	9015	A -18 5836
73		8.8A	59 7.776	0.0019	20	-19 28 33.11	0.019	15	0.33	7.745	18	33.6	33.41	16	33.6	G0 J	12B	9016	A -19 5995
74		7.1T	59 16.276	-0.0014	07	-11 53 35.74	-0.028	08	0.35	16.342	09	01.0	34.29	09	98.0	F5	GC	29352	-12 5890
75		9.3A	59 18.593	-0.0014	17	-12 40 12.35	-0.016	18	0.33	18.615	18	33.6	12.09	16	33.6	K3 J	11	7449	A -13 5828
76		8.3A	59 33.648	-0.0032	20	-17 30 28.05	0.062	15	0.33	33.701	18	33.6	29.08	16	33.6	A3 J	12B	9021	A -17 6158
77		9.2A	59 36.174	-0.0005	17	-12 40 25.72	-0.055	18	0.33	36.179	18	33.6	25.15	16	33.6	K5 J	11	7450	A -13 5829
78		9.0A	59 39.468	0.0009	13	-17 47 59.36	-0.003	11	0.26	39.454	18	33.6	59.31	16	33.6	A5 J	12B	9023	A -18 5840
79		9.5A	59 39.742	0.0027	21	-15 36 46.64	0.013	12	0.33	39.706	18	33.6	46.85	16	33.6	A0 J	12A	7922	A -15 5867
80		7.3T	59 41.720	0.0019	12	-12 38 40.57	-0.030	11	0.59	41.628	17	02.1	38.98	19	97.1	K2	GC	29359	-13 5830
81		9.0A	59 45.243	0.0027	17	-10 26 16.69	-0.002	18	0.33	45.199	18	33.6	16.66	16	33.6	K0 J	11	7453	A -10 5576
82		7.8A	59 47.505	-0.0005	21	-15 40 15.46	-0.037	12	0.33	47.513	18	33.6	14.85	16	33.6	G5 J	12A	7923	A -16 5769
83		8.0B	59 48.186	0.0023	12	-11 22 42.76	0.003	09	0.54	48.081	18	03.5	42.91	18	99.8	F0	GC	29364	-11 5502
84		8.8A	59 48.985	-0.0000	15	-12 42 36.31	-0.018	17	0.31	48.965	18	33.6	36.02	16	33.6	F2 J	11	7454	A -13 5831
85		9.2A	59 52.980	0.0017	21	-14 19 44.64	0.005	15	0.34	52.552	18	33.6	44.72	16	33.6	K5 J	12A	7924	A -14 5915
86		6.8T	59 53.122	-0.0002	11	-10 11 37.69	0.014	10	0.48	53.133	09	05.4	38.32	10	04.8	M8	GC	29363	-10 5578
87		7.1T	59 54.653	0.0027	08	-19 28 47.69	-0.001	10	0.47	54.722	17	01.0	47.63	15	01.8	K0	GC	29367	-19 5998
88		9.2A	59 59.951	0.0002	17	-16 34 27.78	-0.006	12	0.29	59.948	18	33.6	27.66	16	33.6	K2 J	12A	7925	A -16 5771
89		8.4A	21 0 4.991	0.0004	15	-10 25 20.78	0.002	17	0.31	4.984	18	33.6	20.81	16	33.6	K0 J	11	7458	A -10 5580
90		9.1A	0 7.198	0.0090	20	-19 50 28.13	0.056	15	0.33	7.114	18	33.6	27.05	16	33.6	F8 J	13A	9027	A -20 6105
91		9.2A	0 9.449	-0.0024	21	-14 34 51.65	-0.009	18	0.36	9.488	18	33.6	51.50	16	33.6	A0 J	12A	7926	A -14 5917
92		8.8A	0 9.879	-0.0014	15	-11 5 59.79	0.009	15	0.30	9.901	18	33.6	59.94	16	33.6	K2 J	11	7459	A -11 5504
93		9.1A	0 11.513	0.0015	15	-12 6 56.81	0.002	17	0.31	11.488	18	33.6	56.84	16	33.6	K7 J	11	7460	A -12 5894
94		8.9A	0 14.673	-0.0007	20	-18 25 8.90	-0.027	15	0.33	14.768	18	33.6	8.46	16	33.6	G0 J	12B	9028	A -18 5843
95		8.3T	0 15.738	-0.0119	18	-19 31 3.28	-0.107	16	0.78	16.251	18	07.0	-58.38	18	04.2	G0	GC	29374	-19 5999
96		8.8A	0 19.958	-0.0002	17	-11 15 50.57	0.031	17	0.32	19.962	18	33.6	51.08	16	33.6	A3 J	11	7461	A -11 5506
97		8.6A	0 25.545	0.0013	13	-11 14 47.57	-0.011	15	0.29	25.524	18	33.6	47.39	16	33.6	A0 J	11	7462	A -11 5507
98		8.4A	0 27.006	-0.0006	21	-15 1 48.43	-0.029	18	0.36	27.016	18	33.6	47.96	16	33.6	K5 J	12A	7927	A -15 5872
99		8.8A	0 29.446	-0.0003	20	-19 55 17.50	0.021	15	0.33	29.451	18	33.6	17.85	16	33.6	A0 J	13A	9030	A -20 6108
00		8.6B	0 31.473	0.0005	07	-17 40 1.69	0.000	08	0.39	31.448	17	97.2	1.71	15	94.1	K0	GC	29383	-18 5844

164100

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	SOURCE CAT.	STAR NUMBER	DM NUMBER
																			-10° 21H
1		9.1A	21 0 43.688	0.0018	21	-15 21 37.21	-0.043	12	0.33	43.658	18	33.6	36.50	16	33.6	K0 J	12A	7929	A -15 5874
2		9.1A	0 44.751	0.0006	17	-12 4 12.77	0.014	18	0.33	44.740	18	33.6	13.00	16	33.6	F2 J	11	7463	A -12 5896
3		8.1A	0 52.461	0.0003	15	-13 2 54.76	-0.002	17	0.31	52.457	18	33.6	54.73	16	33.6	A0 J	11	7464	A -13 5837
4		9.2A	0 52.946	-0.0014	21	-13 54 41.86	-0.006	15	0.34	52.969	18	33.6	41.76	16	33.6	K2 J	12A	7930	A -14 5921
5		8.6A	1 0.139	-0.0002	20	-19 49 1.66	-0.015	15	0.33	0.143	16	33.6	1.42	16	33.6	G5 J	13A	9033	A -20 6112
6		9.3A	1 0.788	0.0029	21	-17 22 34.78	-0.005	15	0.34	0.741	18	33.6	34.70	16	33.6	A2 J	12A	7931	A -17 6165
7		9.0A	1 4.829	-0.0029	20	-17 34 21.44	-0.021	15	0.33	4.875	18	33.6	21.10	16	33.6	K0 J	12B	9035	A -17 6166
8		8.9A	1 7.409	0.0020	15	-11 22 12.99	0.004	17	0.31	7.377	18	33.6	13.05	16	33.6	K0 J	11	7465	A -11 5509
9		9.1A	1 7.799	0.0027	20	-18 20 14.88	-0.025	15	0.33	7.755	18	33.6	14.47	16	33.6	F0 J	12B	9036	A -18 5848
10		8.3A	1 10.610	0.0000	15	-10 6 7.85	-0.008	17	0.31	10.609	18	33.6	7.72	16	33.6	K0 J	11	7466	A -10 5584
11		8.0Q	1 12.476	0.0002	09	-18 18 38.87	-0.029	09	0.46	12.468	15	00.8	37.42	14	99.5	F2	GC	29412K	B*-18 5849
12		8.9A	1 18.708	0.0032	20	-18 26 32.37	0.088	15	0.33	18.655	18	33.6	33.82	16	33.6	A3 J	12B	9038	A -18 5850
13		8.6A	1 23.952	0.0043	20	-18 43 21.43	0.015	15	0.33	23.881	18	33.6	21.67	16	33.6	F0 J	12B	9039	A -19 6008
14		8.6A	1 33.279	0.0026	18	-17 43 55.12	-0.013	13	0.31	33.236	18	33.6	54.91	16	33.6	G0 J	12B	9041	A -18 5851
15		8.6A	1 33.600	0.0007	21	-16 37 41.84	-0.029	15	0.34	33.588	18	33.6	41.37	16	33.6	K0 J	12A	7934	A -16 5778
16		9.0A	1 34.263	0.0006	21	-15 59 24.83	-0.016	12	0.33	34.253	18	33.6	24.57	16	33.6	K2 J	12A	7935	A -16 5779
17		8.9A	1 44.874	0.0035	21	-15 50 2.90	0.049	12	0.33	44.818	18	33.6	3.70	16	33.6	F8 J	12A	7936	A -16 5780
18		9.4A	1 51.246	-0.0009	13	-11 28 18.68	-0.024	13	0.28	51.261	18	33.6	18.28	16	33.6	F5 J	11	7469	A -11 5513
19		7.2T	2 2.988	-0.0009	08	-17 21 47.22	0.001	06	0.46	3.040	15	89.1	47.29	14	86.0	A5	GC	29429	-17 6167
20		8.5A	2 11.298	0.0040	21	-14 44 39.31	-0.015	15	0.34	11.233	18	33.6	39.06	16	33.6	K0 J	12A	7938	A -15 5881
21		9.2A	2 11.692	-0.0005	15	-13 21 28.37	0.008	15	0.30	11.701	18	33.6	28.50	16	33.6	K2 J	11	7471	A -13 5841
22		9.3A	2 13.966	-0.0007	15	-10 45 10.94	0.018	17	0.31	13.977	18	33.6	11.23	16	33.6	G0 J	11	7472	A -11 5514
23		8.8A	2 16.044	-0.0009	15	-10 43 30.43	-0.028	17	0.31	16.059	18	33.6	29.97	16	33.6	K2 J	11	7474	A -11 5516
24		8.8A	2 16.952	-0.0018	21	-16 24 56.45	0.021	15	0.34	16.982	18	33.6	56.79	16	33.6	A2 J	12A	7939	A -16 5785
25		9.0A	2 21.516	-0.0001	21	-14 20 42.24	0.015	15	0.34	21.518	18	33.6	42.49	16	33.6	K0 J	12A	7940	A -14 5925
26		9.0A	2 31.917	0.0045	15	-10 16 26.62	-0.037	17	0.31	31.844	18	33.6	26.01	16	33.6	G0 J	11	7475	A -10 5592
27		9.0A	2 37.581	0.0010	15	-12 57 17.92	-0.039	15	0.30	37.565	18	33.6	17.28	16	33.6	K0 J	11	7476	A -13 5844
28		9.3A	2 40.125	0.0005	18	-10 13 45.75	-0.057	20	0.35	40.117	18	33.6	44.82	16	33.6	F8 J	11	7477	A -10 5593
29		9.2A	2 46.622	-0.0014	21	-17 13 50.86	0.004	15	0.34	46.646	18	33.6	50.92	16	33.6	F8 J	12A	7941	A -17 6170
30		9.2A	2 47.326	0.0002	21	-14 54 36.80	-0.005	15	0.34	47.323	18	33.6	36.72	16	33.6	G0 J	12A	7942	A -15 5883
31		8.0A	2 52.295	0.0018	21	-15 6 19.14	0.008	15	0.34	52.265	18	33.6	19.27	16	33.6	K0 J	12A	7943	A -15 5884
32		4.2H	3 8.318	0.0058	01	-17 25 57.78	-0.056	01	0.04	8.094	02	11.3	55.63	02	11.7	A0	F4	1552	-17 6174
33		8.4A	3 9.054	0.0015	18	-10 48 44.41	0.018	20	0.35	9.030	18	33.6	44.70	16	33.6	F5 J	11	7478	A -11 5524
34		9.2A	3 32.075	0.0010	21	-17 2 7.14	0.001	15	0.34	32.059	18	33.6	7.16	16	33.6	G0 J	12A	7945	A -17 6175
35		8.7A	3 38.139	0.0010	15	-13 12 16.05	0.010	17	0.31	38.123	18	33.6	16.21	16	33.6	K0 J	11	7479	A -13 5848
36		9.1A	3 38.276	0.0009	15	-10 34 58.04	-0.022	17	0.31	38.262	18	33.6	58.40	16	33.6	A0 J	11	7480	A -10 5596
37		8.4A	3 46.755	-0.0006	13	-12 9 22.79	-0.034	15	0.29	46.764	18	33.6	22.23	16	33.6	K0 J	11	7481	A -12 5907
38		8.3A	3 52.768	0.0000	21	-13 42 19.48	0.038	15	0.34	52.767	18	33.6	20.11	16	33.6	K0 J	12A	7947	A -14 5932
39		9.4A	3 53.463	0.0003	21	-16 44 36.50	-0.011	15	0.34	53.459	18	33.6	36.32	16	33.6	A2 J	12A	7946	A -17 6178
40		9.2A	3 59.497	-0.0014	20	-19 54 25.20	-0.024	15	0.33	59.520	16	33.6	24.81	16	33.6	F5 J	13A	9049	A -20 6128
41		9.0A	4 1.545	-0.0017	21	-15 46 26.19	0.009	12	0.33	1.574	18	33.6	26.34	16	33.6	F5 J	12A	7948	A -16 5792
42		9.0A	4 6.548	0.0022	21	-16 5 46.11	-0.006	15	0.34	6.513	18	33.6	46.01	16	33.6	K0 J	12A	7949	A -16 5794
43		8.1A	4 13.483	-0.0008	15	-12 53 14.96	-0.005	17	0.31	13.496	18	33.6	14.88	16	33.6	A0 J	11	7483	A -13 5850
44		8.3A	4 17.126	-0.0007	20	-18 54 11.18	0.020	15	0.33	17.138	18	33.6	11.50	16	33.6	G5 J	12B	9053	A -19 6022
45		7.3T	4 22.361	0.0044	12	-16 10 28.56	-0.018	09	0.59	22.139	22	98.8	27.60	21	96.6	K0	GC	29498	-16 5797
46		8.4A	4 23.101	0.0010	15	-13 23 46.73	-0.016	17	0.31	23.085	18	33.6	46.47	16	33.6	K5 J	11	7484	A -13 5851
47		7.2T	4 23.811	0.0267	08	-14 7 26.14	-0.027	04	0.34	22.524	09	01.8	24.70	09	96.2	K0	GC	29501K	B*-14 5936
48		8.9A	4 24.501	-0.0003	20	-19 41 6.27	0.010	15	0.33	24.506	16	33.6	6.44	16	33.6	K0 J	13A	9054	A -20 6131
49		7.5T	4 25.129	-0.0099	09	-15 56 48.63	-0.128	09	0.53	25.708	14	91.7	41.58	15	94.9	F8	GC	29505	-16 5798
50		8.5A	4 27.988	0.0005	21	-16 37 26.46	-0.025	15	0.34	27.980	18	33.6	26.05	16	33.6	M6 J	12A	7953	A -17 6181
51		9.3A	21 4 38.180	0.0011	18	-14 12 36.81	0.014	13	0.31	38.162	18	33.6	37.04	16	33.6	K0 J	12A	7955	A -14 5937
52		6.8T	4 39.996	0.0017	09	-19 17 21.50	-0.046	07	0.40	39.914	09	01.2	19.10	10	98.0	G5	GC	29510	-19 6024
53		8.9A	4 40.355	0.0011	21	-16 41 5.55	-0.025	15	0.34	40.338	18	33.6	5.14	16	33.6	G0 J	12A	7954	A -17 6184
54		8.4A	4 50.557	-0.0014	15	-11 27 38.43	-0.051	17	0.31	50.579	18	33.6	37.59	16	33.6	F5 J	11	7487	A -11 5530
55		9.0A	4 53.559	-0.0001	21	-13 30 57.31	0.010	15	0.34	53.561	18	33.6	57.48	16	33.6	F2 J	12A	7957	A -13 5853
56		6.0T	4 56.222	0.0011	11	-17 39 26.09	-0.025	11	0.61	56.166	18	98.0	24.80	18	97.6	A0	GC	29520	-18 5862
57		8.8A	5 8.879	0.0047	15	-12 23 15.34	0.012	17	0.31	8.802	18	33.6	15.54	16	33.6	F8 J	11	7489	A -12 5911
58		7.6T	5 11.534	0.0023	12	-15 49 33.91	-0.015	10	0.59	11.420	21	99.6	33.10	18	96.0	K5	GC	29528	-16 5800
59		8.3A	5 14.234	0.0007	18	-11 53 24.23	-0.037	20	0.35	14.223	18	33.6	23.62	16	33.6	G5 J	11	7491K	A -12 5913
60		9.2A	5 15.045	0.0020	18	-14 12 16.80	0.018	13	0.31	15.012	18	33.6	17.10	16	33.6	K5 J	12A	7959	A -14 5939
61		8.2A	5 25.671	0.0029	21	-16 55 44.74	-0.014	15	0.34	25.624	18	33.6	44.51	16	33.6	A2 J	12A	7960	A -17 6189
62		8.6A	5 26.366	0.0014	21	-14 31 28.19	-0.001	15	0.34	26.343	18	33.6	28.17	16	33.6	A5 J	12A	7961	A -14 5940
63		8.7A	5 30.010	0.0021	15	-10 5 16.39	-0.012	15	0.30	29.975	18	33.6	16.19	16	33.6	F8 J	11	7494	A -10 5609
64		8.0A	5 31.122	0.0002	17	-13 5 0.01	-0.011	18	0.33	31.118	18	33.6	59.83	16	33.6	K2 J	11	7493	A -13 5857
65		9.1A	5 34.534	0.0010	21	-15 32 41.78	-0.007	15	0.34	34.518	18	33.6	41.66	16	33.6	G5 J	12A	7962	A -15 5896
66		9.0A	5 37.209	0.0014	17	-12 13 47.90	0.010	18	0.33	37.186	18	33.6	48.06	16	33.6	F0 J	11	7495	A -12 5914
67		8.7A	5 40.156	0.0043	21	-15 6 25.43	-0.016	15	0.34	40.085	18	33.6	25.17	16	33.6	A2 J	12A	7963	A -15 5897
68		8.8A	5 48.106	-0.0020	21	-14 2 29.58	-0.174	15	0.34	48.139	18	33.6	26.73	16	33.6	K0 J	12A	7964	A -14 5942
69		9.3A	5 54.581	0.0018	20	-17 29 9.32	-0.051	15	0.33	54.552	18	33.6	8.48	16	33.6	F0 J	12B	9069	A -17 6191
70		8.8A	6 0.624	0.0013	18	-18 55 49.19	-0.021	13	0.31	0.602	18	33.6	48.84	16	33.6	K0 J	12B	9070	A -19 6028
71		8.9A	6 3.635	0.0012	21	-13 31 46.17	-0.002	15	0.34	3.616	18	33.6	46.14	16	33.6	K5 J	12A	7966	A -13 5860
72		9.1A	6 7.208	0.0016	20	-18 49 36.41	-0.012	15	0.33	7.182	18	33.6	36.20	16	33.6	G0 J	12B	9071	A -19 6029
73		9.1A	6 20.568	0.0025	18	-12 31 1.11	-0.077	20	0.35	20.528	18	33.6	59.85	16	33.6	F5 J	11	7497	A -12 5915
74		8.5A	6 20.608	0.0026	15	-11 0 45.15	0.004	17	0.31	20.566	18	33.6	45.22	16	33.6	K0 J	11	7498	A -11 5533
75		9.2A	6 23.267	-0.0001	21	-16 21 47.38	-0.041	15	0.34	23.269	18	33.6	46.71	16	33.6	F5 J	12A	7967	A -16 5804
76		8.6A	6 31.930	0.0028	15	-10 57 55.56	-0.006	17	0.31	31.884	18	33.6	55.46	16	33.6	F5 J	11	7499	A -11 5534
77		6.9T	6 37.564	0.0017	10	-16 49 10.67	0.012	09	0.55	37.472	19	97.4	11.35	17	94.2	K2	GC	29566	-17 6193
78		9.0A	6 38.756	-0.0031	21	-13 58 56.24	-0.009	15	0.34	38.806	18	33.6	56.10	16	33.6	K2 J	12A	7969	A -14 5945
79		9.2A	6 41.726	0.0006	20	-18 37 25.26	0.002	15	0.33	41.717	18	33.6	25.29	16	33.6	G5 J	12B	9076	A -19 6032
80		8.0A	6 49.786	0.0015	21	-14 19 14.30	0.021	15	0.34	49.761	18	33.6	14.65	16	33.6	K2 J	12A	7970	A -14 5946
81		9.0A	6 51.024	0.0007	18	-11 48 41.58	-0.057	20	0.35	51.013	18	33.6	40.64	16	33.6	G0 J	11	7500	A -12 5918
82		4.5H	6 52.308	0.0062	01	-11 34 31.13	-0.014	01	0.04	52.096	02	16.1	30.62	02	12.7	K0	F4	794	-11 5538
83		9.2A	6 56.794	0.0037	21	-14 12 46.52	0.008	15	0.34	56.734	18	33.6	46.65	16	33.6	A5 J	12A	7971	A -14 5948
84		8.7A	6 57.842	-0.0005	17	-12 50 7.58	0.005	18	0.33	57.850	18	33.6	7.67	16	33.6	G5 J	11	7502	A -13 5863
85		9.2A	7 8.859	0.0023	20	-17 27 49.55	0.007	15	0.33	8.822	18	33.6	49.67	16	33.6	F8 J	12B	9077K	A -17 6195
86		8.6A	7 18.390	-0.0031	21	-14 28 23.86	0.022	15	0.34	18.440	18	33.6	24.22	16	33.6	F2 J	12A	7973	A -14 5949
87		7.4T	7 21.539	-0.0034	11	-15 54 23.82	-0.063	07	0.42	21.695	09	05.0	20.87	10	03.2	F0	GC	29581	-16 5810
88		8.8A	7 33.290	0.0029	20	-18 39 44.84	0.026	15	0.33	33.243	18	33.6	45.26	16	33.6	G5 J	12B	9078	A -19 6038
89		9.0A	7 34.810	-0.0004	21	-17 9 45.18	-0.040	15	0.34	34.817	18	33.6	44.52	16	33.6	F2 J	12A	7975	A -17 6196
90		8.8A	7 37.346	-0.0002	17	-12 29 11.23	0.025	18	0.33	37.350	18	33.6	11.64	16	33.6	G0 J	11	7505	A -12 5921
91		8.9A	7 38.857	-0.0018	17	-10 9 25.38	0.010	18	0.33	38.886	18	33.6	25.54	16	33.6	G0 J	11	7506	A -10 5617
92		7.9A	7 43.573	0.0018	20	-18 32 6.51	-0.005	15	0.33	43.543	18	33.6	6.42	16	33.6	K0 J	12B	9079	A -18 5875
93			7 50.536	0.0002	18	-16 22 41.82	-0.039	13	0.31	50.534	18	33.6	41.18	16	33.6	M4E J	12A	7976V	A -16 5811
94		8.8A	7 55.786	-0.0006	20	-17 40 47.26	-0.050	15	0.33	55.797	18	33.6	46.45	16	33.6	F8 J	12B	9080	A -18 5878
95		8.6A	8 2.256	-0.0008	18	-10 24 50.56	-0.001	20	0.35	2.269	18	33.6	50.55	16	33.6	G5 J	11	7508	A -10 5619
96		8.0A	8 4.915	0.0007	18	-11 56 1.56	-0.011	20	0.35	4.904	18	33.6	1.38	16	33.6	K2 J	11	7509	A -12 5926
97		9.2A	8 11.212	0.0058	20	-19 12 25.42	-0.037	15	0.33	11.118	18	33.6	24.81	16	33.6	G0 J	12B	9081	A -19 6041
98		8.6A	8 17.601	-0.0013	21	-14 15 56.20	-0.008	15	0.34	17.622	18	33.6	56.07	16	33.6	K2 J	12A	7978	A -14 5951
99		9.4A	8 24.847	-0.0008	18	-15 41 57.23	0.001	11	0.30	24.861	18	33.6	57.25	16	33.6	G0 J	12A	7979	A -16 5814
00		9.2A	8 27.333	-0.0011	21	-16 35 54.40	-0.015	15	0.34	27.351	18	33.6	54.15	16	33.6	F5 J	12A	7980	A -16 5815

164200 — EPOCH 1950 — ORIGINAL EPOCH — SOURCE — -10° 21H

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	CAT.	STAR NUMBER	DM NUMBER
1		8.4A	21 8 35.636	-0.0021	21	-16 13 52.14	-0.001	15	0.34	35.670	18	33.6	52.12	16	33.6	G5 J	12A	7981	A -16 5816
2		9.0A	8 40.818	0.0023	15	-18 14 30.98	0.021	11	0.27	40.780	18	33.6	31.33	16	33.6	K0 J	12B	9082	A -18 5879
3		8.7A	8 48.685	-0.0034	15	-11 44 34.70	-0.087	17	0.31	48.740	18	33.6	33.27	16	33.6	G0 J	11	7512	A -12 5927
4		6.4T	8 55.694	0.0025	06	-14 40 40.35	0.006	05	0.29	55.572	09	01.3	40.65	09	98.7	A5	GC	29612	-15 5908
5		8.8A	9 6.103	0.0050	18	-13 10 5.26	0.013	20	0.35	6.021	18	33.6	5.48	16	33.6	K2 J	11	7513	A -13 5873
6		8.3A	9 8.736	0.0005	21	-13 54 36.51	-0.014	15	0.34	8.728	18	33.6	36.28	16	33.6	K0 J	12A	7984	A -14 5954
7		8.6A	9 9.228	0.0015	21	-15 9 50.21	-0.023	15	0.34	9.203	18	33.6	49.63	16	33.6	K2 J	12A	7983	A -15 5910
8		9.0A	9 12.862	0.0042	21	-14 15 9.62	-0.016	15	0.34	12.794	18	33.6	9.36	16	33.6	K0 J	12A	7985	A -14 5956
9		8.5A	9 14.304	-0.0011	18	-11 43 3.05	0.041	20	0.35	14.321	18	33.6	3.72	16	33.6	F8 J	11	7514	A -12 5928
10		9.0A	9 14.946	0.0045	20	-18 24 36.25	0.051	15	0.35	14.875	18	33.6	37.10	16	33.6	K0 J	12B	9086	A -18 5883
11		7.6T	9 20.381	0.0032	10	-14 45 50.82	0.002	08	0.48	20.224	19	00.9	50.92	18	97.6	A5	GC	29625	-15 5911
12		8.5A	9 37.294	0.0016	15	-12 7 16.99	-0.004	15	0.30	37.267	18	33.6	16.92	16	33.6	F0 J	11	7515	A -12 5931
13		8.5A	9 42.627	-0.0004	15	-12 1 27.92	-0.018	17	0.31	42.633	18	33.6	27.62	16	33.6	G J	11	7516	A -12 5932
14		8.6A	9 43.170	0.0002	17	-11 57 55.06	-0.041	17	0.32	43.166	18	33.6	54.39	16	33.6	G5 J	11	7517	A -12 5933
15		9.2A	9 47.408	0.0013	21	-17 13 4.58	0.009	15	0.34	47.388	18	33.6	4.73	16	33.6	F8 J	12A	7988	A -17 6203
16		9.1A	9 54.529	0.0027	15	-18 37 0.62	0.006	11	0.27	54.484	18	33.6	0.71	16	33.6	K0 J	12B	9088	A -19 6049
17		8.7A	9 54.838	0.0010	21	-16 3 16.92	0.016	12	0.33	54.822	18	33.6	17.18	16	33.6	G5 J	12A	7989	A -16 5821
18		8.8A	10 0.951	0.0028	21	-14 35 54.87	-0.007	15	0.34	0.915	18	33.6	54.75	16	33.6	M5 J	12A	7990	A -14 5960
19		9.2A	10 3.609	0.0011	15	-10 51 2.55	-0.006	15	0.30	3.591	18	33.6	2.45	16	33.6	K0 J	11	7519	A -11 5545
20		8.9A	10 4.418	-0.0012	18	-12 45 59.10	-0.040	20	0.35	4.438	18	33.6	58.45	16	33.6	G0 J	11	7518	A -13 5874
21		8.9A	10 7.903	0.0021	21	-17 23 5.31	0.007	15	0.34	7.868	18	33.6	5.43	16	33.6	K2 J	12A	7991	A -17 6206
22		8.7A	10 19.208	0.0030	18	-11 45 32.02	0.013	20	0.35	19.158	18	33.6	32.23	16	33.6	G0 J	11	7520	A -12 5935
23		9.0A	10 29.866	-0.0014	21	-13 53 31.92	-0.018	15	0.34	29.889	18	33.6	31.63	16	33.6	F0 J	12A	7992	A -14 5963
24		9.3A	10 30.862	0.0008	21	-14 4 26.31	-0.014	15	0.34	30.849	18	33.6	26.08	16	33.6	G5 J	12A	7993	A -14 5964
25		8.8A	10 55.037	0.0036	15	-13 1 51.21	0.031	17	0.31	54.978	18	33.6	51.72	16	33.6	A3 J	11	7521	A -13 5878
26		9.3A	10 56.198	-0.0024	20	-19 11 40.07	-0.066	15	0.33	56.238	18	33.6	38.98	16	33.6	G0 J	12B	9092	A -19 6053
27		8.8A	10 58.396	0.0022	21	-14 51 19.18	-0.020	15	0.34	58.359	18	33.6	18.85	16	33.6	F5 J	12A	7995	A -15 5922
28		8.2A	10 59.460	0.0018	20	-17 46 20.97	-0.028	15	0.33	59.432	18	33.6	20.52	16	33.6	K2 J	12B	9094	A -18 5886
29		9.2A	11 0.978	0.0028	21	-15 31 39.85	-0.015	12	0.33	0.933	18	33.6	39.60	16	33.6	K2 J	12A	7996	A -15 5923
30		8.5A	11 5.999	-0.0042	18	-12 9 18.67	-0.007	20	0.35	6.067	18	33.6	18.55	16	33.6	K0 J	11	7523	A -12 5938
31		8.9A	11 7.283	0.0017	17	-10 58 50.30	-0.002	18	0.33	7.255	18	33.6	50.27	16	33.6	K0 J	11	7524	A -11 5549
32		8.5A	11 10.686	0.0001	18	-17 49 4.34	-0.002	13	0.31	10.684	18	33.6	4.31	16	33.6	F5 J	12B	9097	A -18 5888
33		8.9A	11 11.292	0.0009	17	-12 44 40.13	-0.073	18	0.33	11.277	18	33.6	38.94	16	33.6	G5 J	11	7525	A -13 5879
34		9.0A	11 16.526	0.0035	21	-13 53 49.69	-0.003	15	0.34	16.469	18	33.6	49.64	16	33.6	K0 J	12A	7997	A -14 5970
35		9.2A	11 17.048	0.0009	20	-19 3 44.54	0.009	15	0.33	17.034	18	33.6	44.68	16	33.6	A2 J	12B	9098	A -19 6055
36		8.7A	11 18.878	0.0001	17	-11 23 19.01	0.060	18	0.33	18.877	18	33.6	19.99	16	33.6	A5 J	11	7526	A -11 5552
37		9.2A	11 21.503	0.0009	18	-17 28 44.28	-0.023	13	0.31	21.489	18	33.6	43.90	16	33.6	F8 J	12B	9099	A -17 6213
38		8.0A	11 23.664	-0.0001	18	-12 40 25.36	0.032	20	0.35	23.666	18	33.6	25.89	16	33.6	K0 J	11	7527	A -13 5881
39		8.9A	11 28.603	0.0007	18	-12 17 56.31	-0.016	20	0.35	28.591	18	33.6	56.05	16	33.6	K5 J	11	7528	A -12 5941
40		6.5T	11 34.473	0.0007	08	-10 48 46.65	0.006	07	0.36	34.438	09	04.1	46.93	09	03.4	B9	GC	29685	-11 5553
41		8.5A	11 43.145	0.0041	20	-18 6 46.52	0.013	15	0.33	43.076	18	33.6	46.74	16	33.6	F8 J	12B	9100	A -18 5891
42		8.6A	11 44.992	0.0004	21	-14 21 15.69	0.003	15	0.34	44.986	18	33.6	15.74	16	33.6	K0 J	12A	7999	A -14 5973
43		9.2A	11 48.375	0.0022	21	-14 31 41.32	0.006	15	0.34	48.338	18	33.6	41.42	16	33.6	K0 J	12A	8000	A -14 5974
44		9.4A	11 52.821	0.0030	21	-14 2 17.42	0.004	15	0.34	52.772	18	33.6	17.49	16	33.6	F5 J	12A	8001	A -14 5975
45		9.0A	11 56.075	-0.0014	18	-15 0 11.72	0.022	15	0.31	56.098	18	33.6	12.08	16	33.6	F8 J	12A	8003	A -15 5926
46		9.1A	11 58.154	0.0030	21	-17 25 34.29	0.031	15	0.34	58.105	18	33.6	34.80	16	33.6	K0 J	12A	8002	A -17 6214
47		9.1A	12 5.459	-0.0003	18	-14 59 57.28	0.004	17	0.33	5.464	18	33.6	57.34	16	33.6	A5 J	12A	8004	A -15 5928
48		8.9A	12 10.740	0.0005	20	-17 46 55.71	-0.004	15	0.33	10.732	18	33.6	55.65	16	33.6	K2 J	12B	9105	A -18 5892
49		6.2T	12 18.875	-0.0004	07	-17 33 10.83	-0.018	08	0.36	18.895	07	01.7	9.98	09	02.1	G5	GC	29709	-17 6216
50		8.8A	12 20.414	0.0030	20	-18 18 43.22	0.005	15	0.33	20.365	18	33.6	43.30	16	33.6	K0 J	12B	9108	A -18 5893
51		8.6A	21 12 24.242	0.0020	21	-15 20 1.79	0.001	12	0.33	24.209	18	33.6	1.81	16	33.6	A3 J	12A	8007	A -15 5929
52		9.0A	12 25.486	-0.0001	21	-15 56 50.78	-0.133	15	0.34	25.488	18	33.6	48.60	16	33.6	G0 J	12A	8008	A -16 5824
53		8.6A	12 30.467	-0.0013	20	-13 17 4.09	-0.037	20	0.36	30.488	18	33.6	3.49	16	33.6	F2 J	11	7530	A -13 5888
54		9.0A	12 38.020	0.0004	21	-14 55 44.72	0.021	15	0.34	38.013	18	33.6	45.07	16	33.6	A0 J	12A	8009	A -15 5931
55		9.2A	12 39.202	-0.0001	21	-16 11 30.68	-0.011	15	0.34	39.204	18	33.6	30.50	16	33.6	F5 J	12A	8010	A -16 5826
56		9.2A	12 41.071	0.0017	21	-15 28 31.95	-0.020	15	0.34	41.042	18	33.6	31.62	16	33.6	K2 J	12A	8011	A -15 5932
57		8.8Q	12 41.720	-0.0003	12	-10 33 24.76	0.029	07	0.56	41.737	22	00.4	26.46	21	91.4	K0	GC	29720K	-10 5630
58		9.1A	12 43.927	0.0017	18	-10 39 31.49	0.028	20	0.35	43.899	18	33.6	31.94	16	33.6	K0 J	11	7533	A -11 5557
59		9.0A	12 44.101	-0.0004	21	-14 36 35.37	-0.022	15	0.34	44.107	18	33.6	35.01	16	33.6	F5 J	12A	8012	A -15 5934
60		8.9A	12 44.107	-0.0017	13	-12 17 43.29	-0.004	13	0.28	44.135	18	33.6	43.22	16	33.6	A0 J	11	7532	A -12 5950
61		9.2A	12 46.301	0.0025	15	-10 32 33.59	-0.031	15	0.30	46.260	18	33.6	33.08	16	33.6	K0 J	11	7534	A -10 5631
62		8.4A	12 48.365	-0.0005	21	-16 17 58.83	0.001	15	0.34	48.374	18	33.6	58.85	16	33.6	F0 J	12A	8013	A -16 5827
63		5.5T	12 58.911	0.0017	02	-15 22 49.49	0.007	02	0.16	58.816	07	93.4	49.91	07	88.8	M0	GC	29727	B#-15 5935
64		9.5A	13 9.345	-0.0000	15	-10 59 3.63	0.022	15	0.30	9.345	18	33.6	3.99	16	33.6	K5 J	11	7536	A -11 5558
65		6.5T	13 15.390	0.0011	12	-13 24 39.66	-0.069	11	0.56	15.338	09	03.3	36.37	10	02.2	K0	GC	29734	-13 5891
66		9.2A	13 18.120	0.0035	21	-13 40 18.43	-0.012	15	0.34	18.062	18	33.6	18.23	16	33.6	K5 J	12A	8015	A -14 5977
67		9.1A	13 30.155	-0.0012	18	-19 32 59.60	-0.007	13	0.30	30.175	18	33.6	59.49	16	33.6	G5 J	13A	9112	A -19 6061
68		9.0A	13 32.466	0.0051	21	-13 46 23.46	-0.002	15	0.34	32.382	18	33.6	23.43	16	33.6	K5 J	12A	8016	A -14 5978
69		8.4A	13 50.399	0.0015	21	-15 1 56.88	0.031	15	0.34	50.375	18	33.6	57.39	16	33.6	A0 J	12A	8017	A -15 5938
70		9.0A	14 3.220	0.0017	21	-15 18 29.30	-0.032	12	0.33	3.191	18	33.6	28.78	16	33.6	K0 J	12A	8018	A -15 5939
71		9.1A	14 4.122	0.0103	17	-10 21 5.49	0.004	18	0.33	3.952	18	33.6	5.55	16	33.6	G0 J	11	7541	A -10 5635
72		9.0A	14 6.706	0.0004	21	-14 41 11.79	0.016	15	0.34	6.699	18	33.6	12.05	16	33.6	K2 J	12A	8019	A -15 5940
73		9.2A	14 10.059	0.0015	20	-17 27 29.27	0.014	15	0.33	10.034	18	33.6	29.50	16	33.6	G5 J	12B	9116	A -17 6224
74		9.2A	14 10.360	0.0015	20	-19 40 27.92	0.022	15	0.33	10.336	18	33.6	28.28	16	33.6	G5 J	13A	9115	A -20 6172
75		6.9T	14 16.487	-0.0002	17	-10 20 40.60	-0.021	15	0.83	16.499	24	01.3	39.54	22	99.2	A0	GC	29759	-10 5636
76		8.7A	14 22.941	0.0020	20	-19 42 56.46	-0.022	15	0.33	22.909	18	33.6	56.10	16	33.6	A5 J	13A	9118	A -20 6173
77		9.1A	14 25.082	0.0036	20	-19 6 27.74	-0.023	15	0.33	25.033	18	33.6	27.36	16	33.6	K5 J	12B	9120	A -19 6063
78		9.3A	14 28.282	-0.0006	18	-16 11 7.13	0.007	13	0.31	28.292	18	33.6	7.24	16	33.6	K5 J	12A	8021	A -16 5831
79		6.2T	14 29.326	-0.0017	08	-13 29 20.15	-0.000	07	0.29	29.381	10	17.2	20.15	12	14.0	A0	GC	29765	-13 5897
80		8.4A	14 38.408	-0.0003	18	-10 17 9.86	0.002	20	0.35	38.413	18	33.6	9.89	16	33.6	F5 J	11	7545	A -10 5637
81		9.1A	14 42.280	0.0105	18	-18 17 19.56	-0.056	13	0.31	42.109	18	33.6	18.65	16	33.6	G0 J	12B	9123	A -18 5900
82		9.3A	14 43.493	-0.0009	18	-14 12 57.01	0.008	13	0.31	43.508	18	33.6	57.15	16	33.6	A0 J	12A	8023	A -14 5984
83		9.2A	14 48.492	-0.0006	18	-13 37 43.83	-0.037	13	0.31	48.503	18	33.6	43.23	16	33.6	K0 J	12A	8024	A -14 5987
84		9.1A	14 56.003	0.0006	20	-18 22 59.31	-0.036	15	0.33	55.993	18	33.6	58.73	16	33.6	K0 J	12B	9125	A -18 5902
85		8.7A	15 5.318	-0.0007	21	-16 6 4.26	-0.025	15	0.34	5.329	18	33.6	3.85	16	33.6	F5 J	12A	8025	A -16 5833
86		5.4T	15 9.166	0.0011	03	-18 11 44.64	0.000	03	0.15	9.116	06	03.8	44.65	06	04.7	B8	GC	29781	B#-18 5903
87		8.9A	15 13.893	-0.0008	15	-11 1 30.41	-0.035	15	0.30	13.905	18	33.6	29.84	16	33.6	K0 J	11	7547	A -11 5563
88		8.7A	15 22.853	-0.0012	20	-18 53 53.34	-0.046	15	0.33	22.872	18	33.6	52.58	16	33.6	F8 J	12B	9129	A -19 6065
89		6.3T	15 27.944	0.0024	04	-17 40 22.92	0.006	04	0.23	27.824	09	99.3	23.24	10	99.1	A5	GC	29788	B#-18 5904
90		8.8A	15 36.358	0.0133	21	-13 32 8.28	-0.085	15	0.34	36.141	18	33.6	6.89	16	33.6	F8 J	12A	8027	A -13 5900
91		9.2A	15 45.839	0.0012	20	-17 44 39.15	-0.048	15	0.33	45.819	18	33.6	38.37	16	33.6	K0 J	12B	9133	A -18 5905
92		8.0Q	15 46.603	0.0023	11	-12 28 33.85	-0.018	09	0.54	46.492	18	02.5	32.96	18	00.2	F8	GC	29799	-12 5958
93		8.1A	15 49.594	0.0007	15	-12 48 23.59	-0.013	18	0.32	49.583	18	33.6	23.38	16	33.6	K0 J	11	7550	A -13 5901
94		9.0A	15 50.979	-0.0012	21	-15 40 9.33	0.004	15	0.34	50.999	18	33.6	9.40	16	33.6	K0 J	12A	8029	A -14 5990
95		9.2A	15 56.514	-0.0011	21	-14 13 12.36	-0.009	15	0.34	56.532	18	33.6	12.22	16	33.6	G5 J	12A	8030	A -14 5991
96		9.1A	16 3.145	-0.0005	15	-10 50 5.41	-0.012	17	0.31	3.153	18	33.6	5.21	16	33.6	K0 J	11	7552	A -11 5566
97		9.0A	16 3.685	0.0003	20	-19 56 41.42	-0.066	15	0.33	3.681	16	33.6	40.34	16	33.6	G0 J	13A	9136	A -20 6181
98		9.4A	16 7.062	0.0017	21	-15 19 11.65	0.009	15	0.34	7.033	18	33.6	11.80	16	33.6	K0 J	12A	8031	A -15 5945
99		9.2A	16 19.953	-0.0015	21	-14 12 48.80	-0.054	15	0.34	19.977	18	33.6	47.92	16	33.6	G0 J	12A	8032	A -14 5992
00		9.3A	16 28.408	0.0023	17	-10 15 27.87	0.032	18	0.33	28.370	18	33.6	28.39	16	33.6	K7 J	11	7553	A -10 5641

164300	EPOCH 1950										ORIGINAL EPOCH						SP.	SOURCE		-10° 21H
NUMBER	MAGNITUDES		α_{1950}	μ	σ_μ	δ_{1950}	μ'	$\sigma_{\mu'}$	σ_{1950}	α_2	σ	ep.	δ_2	σ'	ep.		CAT.	STAR NUMBER	DM NUMBER
	m_{pg}	m_v	h m s	s	″.001	° ′ ″	″	″.001	″	s	″.01		″	″.01					
1		6.9T	21 16 28.441	0.0017	05	-16 23 26.36	-0.027	04	0.23	28.365	07	04.5	25.04	09	01.2	K0	GC	29822	B*-16 5840
2		9.1A	16 36.476	-0.0010	15	-10 54 13.56	0.016	15	0.30	36.493	18	33.6	13.82	16	33.6	G0 J	11	7556	A -11 5568
3		6.7T	16 36.485	0.0026	10	-13 15 34.92	-0.003	09	0.48	36.363	18	03.3	34.78	18	02.1	A3	GC	29824	-13 5904
4		8.5A	16 47.555	0.0001	15	-12 33 42.45	-0.046	17	0.31	47.553	18	33.6	41.70	16	33.6	G5 J	11	7557	A -12 5962
5		9.0A	16 48.581	-0.0004	21	-14 35 43.44	-0.029	15	0.34	48.587	18	33.6	42.97	16	33.6	G5 J	12A	8035	A -15 5949
6		9.4A	16 48.920	0.0003	21	-14 15 58.23	0.026	15	0.34	48.915	18	33.6	58.66	16	33.6	K2 J	12A	8036	A -14 5996
7		9.0A	16 49.850	-0.0002	21	-16 59 19.69	0.011	15	0.34	49.833	18	33.6	19.87	16	33.6	A0 J	12A	8034	A -17 6237
8		9.1A	16 52.293	-0.0013	15	-13 1 18.87	-0.007	15	0.30	52.315	18	33.6	18.76	16	33.6	F0 J	11	7558	A -13 5900
9		9.4A	17 2.336	-0.0006	21	-15 37 25.18	-0.024	12	0.33	2.345	18	33.6	24.78	16	33.6	K2 J	12A	8037	A -16 5843
10		7.0T	17 3.973	0.0032	10	-14 13 45.80	0.019	13	0.57	3.824	09	03.6	46.70	10	03.4	A0	GC	29840	-14 5997
11		8.4T	17 18.029	-0.0007	12	-13 11 54.33	0.027	13	0.62	18.061	18	02.1	55.61	19	02.5	K5	GC	29844	-13 5910
12		8.1A	17 18.179	-0.0004	17	-12 1 50.26	-0.014	18	0.33	18.185	18	33.6	50.03	16	33.6	K0 J	11	7560	A -12 5965
13		9.0A	17 23.915	-0.0014	21	-16 41 1.11	-0.006	15	0.34	23.939	18	33.6	1.01	16	33.6	A5 J	12A	8039	A -17 6238
14		8.6A	17 24.053	0.0034	18	-10 41 6.17	0.025	20	0.35	23.997	18	33.6	6.58	16	33.6	K0 J	11	7562	A -11 5572
15		7.0T	17 24.918	0.0013	12	-13 42 52.42	0.009	11	0.62	24.852	21	99.3	52.89	19	99.1	B9	GC	29849	-14 5999
16		8.8A	17 25.882	-0.0014	17	-10 25 46.15	0.032	18	0.33	25.906	18	33.6	46.68	16	33.6	K0 J	11	7563	A -10 5651
17		9.1A	17 26.725	0.0005	20	-18 0 14.80	-0.027	15	0.33	26.717	18	33.6	14.36	16	33.6	K0 J	12B	9143	A -18 5911
18		8.9A	17 29.609	0.0019	18	-19 8 47.25	-0.003	12	0.30	29.579	18	33.6	47.20	16	33.6	K2 J	12B	9144	A -19 6073
19		9.0A	17 31.629	-0.0007	21	-17 13 22.02	0.007	15	0.34	31.642	18	33.6	22.13	16	33.6	K5 J	12A	8041	A -17 6239
20		8.8A	17 33.708	0.0036	17	-11 0 54.46	0.041	18	0.33	33.648	18	33.6	55.13	16	33.6	A3 J	11	7564	A -11 5574
21		9.3A	18 3.018	-0.0014	17	-11 17 59.40	-0.026	18	0.33	3.040	18	33.6	58.97	16	33.6	G5 J	11	7566	A -11 5577
22		8.0A	18 3.103	0.0000	15	-13 5 55.44	-0.024	17	0.31	3.103	18	33.6	55.05	16	33.6	K0 J	11	7565	A -13 5912
23		8.2A	18 6.531	0.0015	17	-11 33 44.99	-0.010	18	0.33	6.507	18	33.6	44.62	16	33.6	K0 J	11	7567	A -11 5578
24		8.7A	18 10.309	0.0000	17	-11 52 54.20	0.035	18	0.33	10.308	18	33.6	54.77	16	33.6	G0 J	11	7568	A -12 5966
25		9.1A	18 24.447	0.0043	18	-11 53 57.41	-0.007	20	0.35	24.377	18	33.6	57.29	16	33.6	F8 J	11	7569	A -12 5967
26		8.7A	18 29.282	0.0018	15	-19 2 20.02	-0.022	11	0.27	29.253	18	33.6	19.65	16	33.6	A2 J	12B	9149	A -19 6079
27		8.7A	18 34.099	-0.0011	20	-19 44 27.71	0.005	15	0.33	34.117	16	33.6	27.79	16	33.6	A0 J	13A	9151	A -20 6192
28		9.2A	18 40.234	-0.0012	17	-12 32 32.30	0.001	18	0.33	40.254	18	33.6	32.32	16	33.6	G0 J	11	7570	A -12 5971
29		8.5A	18 41.333	0.0099	15	-12 31 50.63	-0.021	17	0.31	41.171	18	33.6	50.29	16	33.6	G0 J	11	7571	A -12 5970
30		8.9A	18 42.419	0.0019	20	-19 23 50.83	0.007	15	0.33	42.389	18	33.6	50.94	16	33.6	A2 J	12B	9152	A -19 6080
31		8.4A	18 44.184	0.0018	21	-15 22 8.13	-0.016	12	0.33	44.154	18	33.6	7.87	16	33.6	K0 J	12A	8042	A -15 5958
32		7.9Q	18 47.544	0.0053	10	-11 40 15.07	-0.049	08	0.48	47.274	15	99.5	12.45	17	96.4	F8	GC	29883	-12 5972
33		9.2A	18 47.988	0.0003	20	-18 7 23.03	-0.024	15	0.33	47.983	18	33.6	22.64	16	33.6	K0 J	12B	9153	A -18 5913
34		8.7A	18 53.545	0.0010	18	-11 50 31.55	-0.009	20	0.35	53.528	18	33.6	51.40	16	33.6	K0 J	11	7573	A -12 5974
35		8.2A	18 55.808	-0.0018	20	-18 56 55.60	-0.049	15	0.33	55.836	18	33.6	54.79	16	33.6	G0 J	12B	9154	A -19 6081
36		8.3A	19 1.904	-0.0005	21	-16 11 26.51	0.001	15	0.34	1.913	18	33.6	26.53	16	33.6	K5 J	12A	8043	A -16 5849
37		9.4A	19 2.053	-0.0009	21	-14 15 5.71	0.019	15	0.34	2.068	18	33.6	6.02	16	33.6	F8 J	12A	8045	A -14 6003
38		8.0A	19 4.331	0.0098	21	-16 29 6.72	-0.176	15	0.34	4.170	18	33.6	3.84	16	33.6	G0 J	12A	8044	A -16 5850
39		9.1A	19 5.264	-0.0005	15	-13 45 43.79	-0.036	17	0.31	5.292	18	33.6	43.20	16	33.6	G5 J	11	7574	A -14 6004
40		8.9A	19 6.659	0.0040	17	-12 34 52.17	-0.005	18	0.33	6.594	18	33.6	52.09	16	33.6	G0 J	11	7575	A -12 5976
41		9.3T	19 10.493	-0.0019	08	-15 18 26.65	-0.011	08	0.49	10.596	19	96.2	26.04	18	94.7	K0	GC	29893	-15 5959
42		9.1A	19 15.011	0.0005	15	-19 26 16.87	-0.031	11	0.26	15.003	16	33.6	16.55	16	33.6	K2 J	13A	9156	A -19 6083
43		8.1I	19 15.409	0.0001	10	-15 22 21.67	-0.012	10	0.59	15.404	24	94.2	21.92	22	93.9	M2E	GC	29895V	B*-15 5960
44		8.6A	19 16.903	-0.0008	17	-10 31 42.83	0.019	18	0.33	16.917	18	33.6	43.14	16	33.6	K2 J	11	7576	A -10 5658
45		9.4A	19 17.793	0.0011	21	-15 55 39.60	-0.033	15	0.34	17.775	18	33.6	39.06	16	33.6	G0 J	12A	8048	A -16 5852
46		4.3H	19 27.888	0.0022	01	-17 2 55.00	0.006	01	0.05	27.797	02	09.6	55.24	03	10.0	K0	F4	1561	-17 6245
47		9.2A	19 31.194	0.0025	21	-13 38 33.64	-0.020	15	0.34	31.153	18	33.6	33.32	16	33.6	G0 J	12A	8051	A -14 6007
48		9.2A	19 31.811	0.0059	18	-19 31 57.50	-0.036	13	0.30	31.715	16	33.6	56.91	16	33.6	G5 J	13A	9159	A -19 6084
49		9.0A	19 56.809	0.0014	21	-16 45 13.09	0.000	15	0.34	56.786	18	33.6	13.09	16	33.6	K0 J	12A	8052	A -17 6247
50		9.5A	20 9.264	0.0009	21	-15 31 39.04	0.017	12	0.33	9.250	18	33.6	39.32	16	33.6	G0 J	12A	8053	A -15 5967
51		8.8A	21 20 13.345	-0.0006	15	-12 58 51.88	-0.066	17	0.31	13.355	18	33.6	50.80	16	33.6	F8 J	11	7580	A -13 5920
52		9.2A	20 26.079	-0.0033	21	-15 2 16.91	0.021	15	0.34	26.024	18	33.6	17.26	16	33.6	F8 J	12A	8054	A -15 5972
53		8.6A	20 27.033	-0.0006	17	-11 26 17.77	0.002	18	0.33	27.042	18	33.6	17.80	16	33.6	F5 J	11	7582	A -11 5583
54		8.6A	20 29.367	0.0055	17	-10 48 9.59	0.045	18	0.33	29.277	18	33.6	10.33	16	33.6	F8 J	11	7583	A -11 5584
55		8.3A	20 32.245	0.0015	18	-19 53 44.37	-0.024	13	0.30	32.221	16	33.6	43.98	16	33.6	F5 J	13A	9161	A -20 6204
56		8.2A	20 36.794	0.0002	21	-13 43 42.00	0.021	15	0.34	36.790	18	33.6	42.35	16	33.6	K0 J	12A	8055	A -14 6010
57		9.0A	20 37.574	0.0006	18	-18 30 5.09	0.016	13	0.31	37.564	18	33.6	5.35	16	33.6	F2 J	12B	9162	A -18 5922
58		8.8A	20 48.752	0.0022	21	-15 14 48.34	0.004	15	0.34	48.716	18	33.6	48.41	16	33.6	A0 J	12A	8056	A -15 5974
59		8.3A	20 58.871	0.0009	15	-12 16 30.53	-0.008	17	0.31	58.857	18	33.6	30.40	16	33.6	B8 J	11	7585	A -12 5981
60		9.1A	21 2.418	-0.0038	15	-10 54 46.95	-0.014	17	0.31	2.480	18	33.6	46.72	16	33.6	G5 J	11	7586	A -11 5587
61		9.4A	21 7.354	-0.0002	21	-16 39 12.52	-0.012	15	0.34	7.357	18	33.6	12.33	16	33.6	K2 J	12A	8057	A -17 6253
62		9.1A	21 19.431	0.0014	20	-19 50 8.22	-0.020	15	0.33	19.408	16	33.6	7.89	16	33.6	F2 J	13A	9164	A -20 6205
63		9.2A	21 22.370	0.0006	21	-15 31 37.73	0.023	12	0.33	22.360	18	33.6	38.11	16	33.6	K0 J	12A	8058	A -15 5977
64		5.5H	21 27.648	0.0060	02	-13 5 37.46	0.009	02	0.06	27.455	03	18.1	37.75	04	18.8	A5	F4	1562	-13 5923
65		9.1A	21 32.089	-0.0001	15	-10 49 39.14	-0.016	17	0.31	32.070	18	33.6	38.88	16	33.6	F8 J	11	7588	A -11 5588
66		8.8A	21 34.649	-0.0016	21	-16 16 39.94	0.006	15	0.34	34.676	18	33.6	40.04	16	33.6	A0 J	12A	8059	A -16 5856
67		9.1A	21 37.557	0.0004	15	-10 34 50.16	0.004	17	0.31	37.551	18	33.6	50.22	16	33.6	A0 J	11	7591	A -10 5664
68		9.2A	21 37.593	0.0003	21	-14 2 2.17	0.023	15	0.34	37.588	18	33.6	2.58	16	33.6	A5 J	12A	8060	A -14 6015
69		9.0A	21 51.265	0.0016	20	-19 48 48.86	-0.032	15	0.33	51.239	16	33.6	48.34	16	33.6	K2 J	13A	9167	A -20 6208
70		9.5A	21 51.852	-0.0042	21	-14 26 45.28	0.009	15	0.34	51.920	18	33.6	45.43	16	33.6	F2 J	12A	8061	A -14 6016
71		8.9A	21 53.827	-0.0011	15	-11 10 9.68	-0.031	17	0.31	53.845	18	33.6	9.17	16	33.6	K0 J	11	7592	A -11 5589
72		9.4Q	21 58.196	0.0011	12	-11 59 41.87	0.006	09	0.53	58.143	18	03.5	42.17	18	00.9	A0	GC	29970	-12 5985
73		8.9A	22 8.571	0.0002	18	-19 10 5.47	0.019	12	0.30	8.567	18	33.6	5.78	16	33.6	F0 J	12B	9169	A -19 6092
74		9.1A	22 10.971	-0.0021	21	-16 11 45.27	0.055	15	0.34	11.006	18	33.6	46.17	16	33.6	G0 J	12A	8062	A -16 5859
75		9.0A	22 14.112	-0.0016	18	-14 34 43.92	-0.013	17	0.33	14.137	18	33.6	43.71	16	33.6	F8 J	12A	8063	A -14 6018
76		9.4A	22 24.276	-0.0026	21	-16 37 6.15	-0.005	15	0.34	24.318	18	33.6	6.07	16	33.6	A2 J	12A	8064	A -17 6262
77		8.3A	22 28.777	-0.0000	21	-13 42 35.75	0.004	15	0.34	28.778	18	33.6	35.82	16	33.6	F5 J	12A	8065	A -14 6019
78		6.9T	22 40.339	0.0014	10	-14 29 36.68	0.017	09	0.49	40.271	10	01.8	37.55	10	99.5	A0	GC	29992	-14 6020
79		9.2A	22 50.339	0.0013	18	-14 10 16.35	0.008	13	0.31	50.317	18	33.6	16.48	16	33.6	A0 J	12A	8067	A -14 6022
80		7.9A	22 54.962	0.0039	20	-18 48 13.37	-0.026	15	0.33	54.898	18	33.6	12.94	16	33.6	K0 J	12B	9176	A -19 6094
81		8.6A	22 57.908	-0.0029	15	-10 44 13.07	0.002	17	0.31	57.956	18	33.6	13.10	16	33.6	F0 J	11	7597	A -11 5594
82		9.1A	23 11.787	-0.0024	13	-13 16 49.71	-0.026	15	0.29	11.827	18	33.6	49.26	16	33.6	G0 J	11	7599	A -13 5928
83		9.0A	23 24.054	0.0041	20	-18 8 5.24	0.003	15	0.33	23.988	18	33.6	5.30	16	33.6	G5 J	12B	9179	A -18 5934
84		8.7A	23 29.009	0.0000	18	-18 21 58.82	-0.020	13	0.31	29.009	18	33.6	58.50	16	33.6	K0 J	12B	9180	A -18 5935
85		9.1A	23 34.678	0.0009	21	-13 47 21.74	0.013	15	0.34	34.664	18	33.6	21.96	16	33.6	F5 J	12A	8068	A -14 6024
86		9.2A	23 37.837	-0.0006	21	-14 42 53.89	-0.019	15	0.34	37.847	18	33.6	53.58	16	33.6	K2 J	12A	8069	A -15 5982
87		8.0A	23 41.855	-0.0036	21	-15 27 45.07	0.011	15	0.34	41.914	18	33.6	45.25	16	33.6	K0 J	12A	8070	A -15 5983
88		6.6T	23 42.162	0.0017	08	-12 18 35.84	-0.211	07	0.43	42.070	15	97.0	24.03	14	94.0	K0	GC	30015	-12 5994
89		8.0A	23 44.555	-0.0010	15	-11 8 4.46	-0.029	17	0.31	44.571	18	33.6	3.98	16	33.6	K0 J	11	7601	A -11 5598
90		8.9A	23 45.348	0.0006	20	-18 5 44.58	-0.003	15	0.33	45.337	18	33.6	44.54	16	33.6	A5 J	12B	9183	A -18 5936
91		8.9A	23 46.883	-0.0006	15	-12 14 41.57	-0.014	15	0.30	46.893	18	33.6	41.34	16	33.6	F5 J	11	7602	A -12 5995
92		8.2A	23 58.203	0.0000	21	-17 29 13.26	-0.031	15	0.34	58.203	18	33.6	12.75	16	33.6	F5 J	12A	8071	A -17 6270
93		9.2A	24 10.236	0.0008	20	-18 16 8.96	0.017	15	0.33	10.223	18	33.6	9.24	16	33.6	K0 J	12B	9185	A -18 5939
94		8.9A	24 12.015	-0.0037	20	-18 36 31.90	0.023	15	0.33	12.075	18	33.6	32.27	16	33.6	K0 J	12B	9186	A -19 6097
95		8.1A	24 14.839	0.0044	20	-19 16 30.34	-0.014	15	0.33	14.767	18	33.6	30.10	16	33.6	K2 J	12B	9187	A -19 6098
96		8.7A	24 17.478	0.0004	15	-10 12 40.02	-0.036	15	0.30	17.471	18	33.6	39.43	16	33.6	K2 J	11	7603	A -10 5671
97		9.2A	24 19.402	0.0004	21	-16 39 3.77	0.011	15	0.34	19.396	18	33.6	3.95	16	33.6	K0 J	12A	8072	A -17 6272
98		8.7A	24 24.885	0.0025	18	-19 31 46.80	0.004	13	0.30	24.845	16	33.6	46.67	16	33.6	K0 J	13A	9189	A -19 6099
99		9.2A	24 25.493	0.0008	15	-10 16 29.99	0.021	15	0.30	25.480	18	33.6	30.33	16	33.6	K0 J	11	7604	A -10 5673
00		6.8T	24 39.333	0.0016	13	-13 48 19.72	0.009	09	0.62	39.247	21	96.5	20.21	15	96.4	B9	GC	30031	-14 6026

164400

EPOCH 1950 — ORIGINAL EPOCH — SOURCE — -10° 21H

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.		SOURCE CAT.	SOURCE STAR NUMBER	DM NUMBER
1		9.0A	21 24 39.360	-0.0025	15	-12 44 56.74	-0.061	17	0.31	39.401	18	33.6	55.74	16	33.6	F8	J	11	7605	A -13 5931
2		8.9A	24 41.697	0.0011	15	-12 28 10.55	-0.003	17	0.31	41.678	18	33.6	10.50	16	33.6	A0	J	11	7606	A -12 5997
3		9.2A	24 44.431	-0.0023	21	-15 5 42.05	-0.027	15	0.34	44.468	18	33.6	41.61	16	33.6	G0	J	12A	8074	A -15 5987
4		7.9A	24 47.357	0.0001	15	-11 22 53.71	0.011	17	0.31	47.356	18	33.6	53.89	16	33.6	K0	J	11	7607	A -11 5602
5		6.8T	24 55.981	0.0016	07	-11 53 2.61	-0.056	06	0.34	55.900	09	00.6	59.64	10	96.9	F5		GC	30037	-12 5998
6		8.9A	24 57.560	-0.0009	21	-13 46 50.20	-0.012	15	0.34	57.574	18	33.6	50.00	16	33.6	K0	J	12A	8075	A -14 6029
7		9.2A	24 57.761	-0.0009	20	-19 23 56.47	0.028	15	0.33	57.775	18	33.6	56.92	16	33.6	F2	J	12B	9192	A -19 6106
8		8.2B	25 16.577	-0.0015	11	-13 54 55.99	-0.053	08	0.49	16.648	17	02.6	33.26	15	98.3	K0		GC	30042	-14 6031
9		9.3A	25 17.038	-0.0008	18	-16 27 45.00	-0.025	13	0.31	17.052	18	33.6	44.59	16	33.6	G0	J	12A	8077	A -16 5866
10		9.2A	25 18.784	0.0016	21	-15 3 5.40	0.025	15	0.34	18.758	18	33.6	5.81	16	33.6	K0	J	12A	8079	A -15 5990
11		8.6B	25 22.351	0.0010	09	-12 8 48.68	-0.016	07	0.46	22.299	17	00.0	47.80	15	94.9	K2		GC	30046	-12 6001
12		9.4B	25 25.392	-0.0015	11	-12 18 27.20	-0.021	11	0.56	25.458	18	04.8	26.17	17	00.5	K0		GC	30047	-12 6002
13		9.3A	25 27.945	-0.0014	15	-10 10 4.14	-0.064	17	0.31	27.967	18	33.6	2.77	16	33.6	K0	J	11	7614	A -10 5677
14		8.8A	25 27.957	0.0109	15	-11 58 56.47	0.033	17	0.31	27.779	18	33.6	57.01	16	33.6	G0	J	11	7613	A -12 6003
15		6.5T	25 31.532	0.0004	07	-11 47 10.70	-0.046	06	0.35	31.511	14	02.7	8.33	12	98.5	F5		GC	30051	-12 6005
16		8.9A	25 34.969	0.0028	20	-17 28 34.71	-0.014	15	0.33	34.923	18	33.6	34.48	16	33.6	A0	J	12B	9195	A -17 6288
17		9.2A	25 43.226	0.0011	18	-18 53 7.71	-0.012	12	0.30	43.208	18	33.6	7.50	16	33.6	K0	J	12B	9196	A -19 6104
18		9.1A	25 58.034	0.0028	15	-13 6 3.43	-0.005	17	0.31	57.988	18	33.6	3.35	16	33.6	F8	J	11	7616	A -13 5938
19		8.8A	25 59.745	0.0011	15	-12 48 30.90	-0.063	17	0.31	59.726	18	33.6	30.04	16	33.6	G0	J	11	7617	A -13 5939
20		9.0A	26 5.302	-0.0014	21	-15 2 37.95	-0.073	15	0.34	5.324	18	33.6	36.76	16	33.6	G0	J	12A	8082	A -15 5992
21		9.2A	26 12.479	0.0025	21	-16 18 20.66	-0.005	15	0.34	12.439	18	33.6	20.58	16	33.6	G0	J	12A	8083	A -16 5871
22		8.8A	26 16.758	0.0021	20	-19 45 36.64	-0.002	15	0.33	16.724	18	33.6	36.61	16	33.6	A0	J	13A	9200	A -20 6216
23		9.1A	26 17.948	-0.0003	15	-10 21 16.17	0.033	15	0.30	17.953	18	33.6	16.71	16	33.6	K5	J	11	7618	A -10 5678
24		8.6A	26 20.164	-0.0002	21	-14 1 0.25	-0.020	15	0.34	20.167	18	33.6	-59.92	16	33.6	F5	J	12A	8084	A -14 6038
25		9.0A	26 36.542	0.0062	13	-10 28 59.36	0.050	15	0.29	36.440	18	33.6	+ 0.18	16	33.6	K0	J	11	7619	A -10 5681
26		8.6A	26 39.981	0.0008	15	-12 59 27.40	-0.003	17	0.31	39.967	18	33.6	27.35	16	33.6	G5	J	11	7620	A -13 5941
27		9.4A	26 41.098	-0.0006	15	-10 32 34.62	0.036	17	0.31	41.107	18	33.6	35.21	16	33.6	F5	J	11	7621	A -10 5682
28		8.9A	26 43.909	-0.0023	20	-19 59 13.86	-0.078	15	0.33	43.947	18	33.6	12.61	16	33.6	F8	J	13A	9201	A -20 6219
29		8.8Q	26 46.264	0.0031	10	-12 17 53.80	-0.013	08	0.49	46.112	18	01.6	53.11	17	96.7	G0		GC	30080	-12 6008
30		7.1T	26 56.055	0.0020	09	-14 14 44.38	-0.069	07	0.42	55.958	10	01.6	40.91	09	99.5	K2		GC	30086	-14 6039
31		9.1A	27 2.595	0.0008	20	-18 34 9.69	0.021	15	0.33	2.581	18	33.6	10.03	16	33.6	A5	J	12B	9203	A -18 5946
32		9.2A	27 9.704	-0.0025	21	-14 26 38.15	-0.027	15	0.34	9.745	18	33.6	37.71	16	33.6	K0	J	12A	8086	A -14 6042
33		6.5T	27 11.348	0.0023	04	-19 22 1.48	-0.042	04	0.16	11.255	06	08.7	-59.73	06	08.7	F2		GC	30095	-19 6107
34		8.7A	27 11.904	-0.0050	21	-15 22 36.33	-0.036	12	0.33	11.986	18	33.6	35.74	16	33.6	F8	J	12A	8087	A -15 5995
35		9.3Q	27 16.349	0.0699	10	-12 43 34.97	-0.265	09	0.49	12.958	14	01.5	21.06	14	97.5	K5		GC	30098	-13 5945
36		9.2A	27 21.007	0.0020	21	-16 55 46.63	0.001	15	0.34	20.975	18	33.6	46.65	16	33.6	K2	J	12A	8088	A -17 6297
37		9.2A	27 28.622	0.0006	17	-10 32 16.47	0.018	18	0.33	28.614	18	33.6	16.76	16	33.6	F5	J	11	7624	A -10 5686
38		8.4A	27 31.523	-0.0017	21	-16 31 28.64	0.017	15	0.34	31.550	18	33.6	28.92	16	33.6	K0	J	12A	8089	A -16 5876
39		9.0A	27 41.400	-0.0005	21	-17 22 46.21	0.012	15	0.34	41.408	18	33.6	46.40	16	33.6	G5	J	12A	8090	A -17 6299
40		8.9A	27 46.368	0.0008	21	-14 38 47.34	-0.003	15	0.34	46.355	18	33.6	47.29	16	33.6	K2	J	12A	8091	A -15 5997
41		8.8A	27 48.035	0.0063	15	-12 38 14.01	0.002	17	0.31	47.932	18	33.6	14.05	16	33.6	K0	J	11	7625	A -13 5947
42		9.2A	27 50.083	0.0033	18	-14 22 44.72	-0.001	13	0.31	50.028	18	33.6	44.70	16	33.6	G5	J	12A	8092	A -14 6045
43		9.0A	27 52.957	0.0011	18	-14 23 32.34	-0.009	13	0.31	52.938	18	33.6	32.19	16	33.6	M3	J	12A	8093	A -14 6046
44		6.8T	27 56.152	-0.0006	04	-14 30 39.94	-0.028	04	0.23	56.181	10	02.5	38.50	10	98.8	K0		GC	30116	B+-14 6047
45		9.3A	28 13.118	0.0001	21	-16 4 31.74	0.012	15	0.34	13.117	18	33.6	31.93	16	33.6	F8	J	12A	8095	A -16 5878
46		9.0A	28 25.522	0.0020	20	-18 21 3.27	-0.014	15	0.33	25.489	18	33.6	3.05	16	33.6	G5	J	12B	9205	A -18 5953
47		8.5A	28 28.463	0.0003	18	-17 28 49.44	-0.013	13	0.31	28.458	18	33.6	49.23	16	33.6	A5	J	12B	9206	A -17 6302
48		9.0A	28 32.759	0.0003	15	-19 32 40.60	-0.003	11	0.26	32.755	18	33.6	40.55	16	33.6	A5	J	13A	9207	A -19 6112
49		7.3T	28 37.208	0.0038	10	-19 27 30.01	-0.013	08	0.54	36.996	18	93.6	29.21	17	90.1	F0		GC	30128K	-19 6113
50		8.9A	28 46.530	0.0113	15	-10 30 27.83	-0.055	15	0.30	46.345	18	33.6	26.93	16	33.6	F8	J	11	7626	A -10 5693
51		8.2A	21 28 51.901	0.0025	15	-12 44 5.77	-0.024	17	0.31	51.860	18	33.6	5.38	16	33.6	F8	J	11	7627	A -13 5953
52		8.5A	28 52.489	0.0013	15	-12 9 31.46	-0.029	17	0.31	52.467	18	33.6	30.98	16	33.6	F5	J	11	7628	A -12 6018
53		8.8A	28 53.050	0.0004	15	-10 19 57.34	0.005	18	0.32	53.043	18	33.6	57.42	16	33.6	G5	J	11	7629	A -10 5695
54		9.0A	29 0.122	-0.0006	21	-13 43 17.05	-0.009	15	0.34	0.131	18	33.6	16.90	16	33.6	K2	J	12A	8097	A -14 6051
55		8.7A	29 14.640	-0.0013	18	-12 59 16.66	-0.049	20	0.35	14.661	18	33.6	15.86	16	33.6	K2	J	11	7632	A -13 5955
56		9.1A	29 19.916	-0.0006	18	-18 27 42.89	-0.004	13	0.31	19.926	18	33.6	42.84	16	33.6	F2	J	12B	9212	A -18 5957
57		8.6A	29 29.306	0.0017	18	-13 15 55.84	-0.036	20	0.35	29.278	18	33.6	55.22	16	33.6	A5	J	11	7633	A -13 5957
58		9.0A	29 32.770	0.0014	18	-19 14 54.85	0.043	13	0.31	32.747	18	33.6	55.55	16	33.6	G5	J	12B	9213	A -19 6114
59		9.1A	29 36.173	-0.0006	17	-10 44 58.42	-0.026	18	0.33	36.182	18	33.6	57.99	16	33.6	K0	J	11	7634	A -11 5618
60		9.2A	29 39.232	0.0018	21	-14 28 21.95	-0.013	15	0.34	39.202	18	33.6	21.74	16	33.6	F8	J	12A	8100	A -14 6055
61		6.9T	29 39.351	0.0025	16	-12 29 20.66	-0.020	14	0.73	39.231	10	02.8	19.70	12	01.9	K5		GC	30151	-12 6026
62		9.3A	29 39.680	-0.0009	21	-15 26 11.57	-0.020	15	0.34	39.694	18	33.6	11.24	16	33.6	F8	J	12A	8099	A -15 6004
63		9.0A	29 39.877	0.0067	21	-15 55 53.07	0.020	15	0.34	39.767	18	33.6	53.40	16	33.6	A5	J	12A	8098	A -16 5881
64		8.7A	29 54.099	0.0028	17	-10 46 5.54	-0.038	18	0.33	54.053	18	33.6	4.92	16	33.6	F8	J	11	7637	A -11 5619
65		8.9A	29 55.456	0.0018	21	-13 39 33.51	-0.016	15	0.34	55.427	18	33.6	33.25	16	33.6	G0	J	12A	8102	A -14 6058
66		9.0A	29 55.994	0.0000	21	-14 41 21.66	0.009	15	0.34	55.993	18	33.6	21.81	16	33.6	F0	J	12A	8101	A -15 6005
67		9.0A	30 1.413	0.0006	20	-18 48 3.33	-0.020	15	0.33	1.403	18	33.6	3.00	16	33.6	A0	J	12B	9217	A -19 6116
68		9.1A	30 3.650	-0.0004	21	-13 40 51.41	0.010	15	0.34	3.656	18	33.6	51.58	16	33.6	K0	J	12A	8103	A -14 6059
69		9.4A	30 18.129	0.0048	21	-15 32 22.21	-0.017	15	0.34	18.050	18	33.6	21.93	16	33.6	F8	J	12A	8104	A -15 6006
70		9.1A	30 20.338	0.0002	13	-10 0 30.01	-0.032	13	0.28	20.335	18	33.6	29.48	16	33.6	G5	J	11	7639	A -10 5703
71		9.2A	30 22.694	0.0011	18	-13 45 58.38	-0.008	13	0.31	22.677	18	33.6	58.26	16	33.6	G5	J	12A	8105	A -14 6062
72		8.5A	30 25.477	-0.0004	18	-18 47 24.39	-0.021	13	0.31	25.483	18	33.6	24.04	16	33.6	M1	J	12B	9221	A -19 6117
73		9.1A	30 36.392	-0.0010	20	-19 15 50.43	-0.002	15	0.33	36.408	18	33.6	50.39	16	33.6	F8	J	12B	9223	A -19 6119
74		9.4A	30 44.019	0.0070	21	-16 16 6.56	0.101	15	0.34	43.904	18	33.6	8.21	16	33.6	K0	J	12A	8106	A -16 5884
75		8.0Q	30 50.730	0.0004	09	-13 40 20.57	0.005	07	0.45	50.708	18	97.6	20.87	15	94.7	G5		GC	30176	-14 6063
76		7.1T	30 54.585	0.0016	05	-16 25 19.25	-0.108	04	0.23	54.511	07	03.6	13.88	09	00.2	F5		GC	30178K	B+-16 5885
77		9.0A	30 59.001	0.0007	15	-13 10 29.58	-0.026	17	0.31	58.989	18	33.6	29.15	16	33.6	K2	J	11	7643	A -13 5961
78		9.1A	31 1.860	-0.0031	21	-13 44 27.81	-0.015	15	0.34	1.911	18	33.6	27.57	16	33.6	K2	J	12A	8109	A -14 6066
79		9.0A	31 5.873	0.0008	20	-18 5 27.92	-0.036	15	0.33	5.860	18	33.6	27.34	16	33.6	K0	J	12B	9226	A -18 5962
80		9.4A	31 8.832	0.0002	21	-15 7 58.32	-0.008	15	0.34	8.828	18	33.6	58.19	16	33.6	K0	J	12A	8110	A -15 6008
81		8.7A	31 12.365	-0.0015	15	-12 21 38.07	-0.005	17	0.31	12.390	18	33.6	37.99	16	33.6	G5	J	11	7645	A -12 6029
82		9.1A	31 17.736	0.0024	15	-11 59 37.34	-0.050	17	0.31	17.697	18	33.6	36.52	16	33.6	K0	J	11	7646	A -12 6030
83		8.9A	31 20.878	-0.0010	18	-17 28 53.36	-0.020	12	0.30	20.894	18	33.6	53.04	16	33.6	K2	J	12B	9228	A -17 6308
84		8.0Q	31 33.063	0.0011	07	-13 42 24.51	0.008	07	0.45	32.994	19	88.6	25.03	17	87.8	G5		GC	30194	-14 6070
85		8.9A	31 40.644	-0.0001	15	-12 33 16.97	0.000	17	0.31	40.645	18	33.6	16.97	16	33.6	G0	J	11	7648	A -12 6032
86		9.1A	31 40.646	-0.0012	15	-11 8 36.73	-0.008	17	0.31	40.665	18	33.6	38.60	16	33.6	K0	J	11	7649	A -11 5623
87		9.0A	31 41.496	-0.0012	21	-16 58 11.80	-0.050	15	0.34	41.516	18	33.6	10.98	16	33.6	G5	J	12A	8113	A -17 6312
88		8.7A	31 42.285	0.0025	20	-19 25 8.34	-0.010	15	0.33	42.224	18	33.6	8.17	16	33.6	G0	J	13A	9229	A -19 6125
89		9.0A	31 45.763	0.0003	00	-18 2 11.51	0.004	15	0.24	45.758	18	33.6	11.59	16	33.6	A2	J	12B	9230	A -18 5965
90		9.0A	31 49.162	0.0019	21	-14 51 7.15	0.008	15	0.34	49.131	18	33.6	7.28	16	33.6	K5	J	12A	8114	A -15 6012
91		9.1A	31 54.439	-0.0041	21	-16 57 46.09	-0.013	15	0.34	54.507	18	33.6	45.88	16	33.6	G5	J	12A	8115	A -17 6313
92		8.6A	31 54.647	0.0005	18	-16 44 47.46	-0.009	13	0.31	54.640	18	33.6	47.31	16	33.6	K0	J	12A	8116	A -17 6314
93		8.8A	31 59.937	0.0010	21	-14 7 42.97	0.004	15	0.34	59.921	18	33.6	43.04	16	33.6	K0	J	12A	8117	A -14 6072
94		9.0A	32 2.230	-0.0021	21	-16 57 17.68	-0.024	15	0.34	2.264	18	33.6	17.29	16	33.6	G5	J	12A	8118	A -17 6315
95		9.3A	32 17.622	-0.0032	21	-13 29 41.77	-0.007	15	0.34	17.673	18	33.6	41.66	16	33.6	F2	J	12A	8119	A -13 5968
96		8.8A	32 27.749	0.0031	21	-16 29 19.55	-0.014	15	0.34	27.698	18	33.6	19.32	16	33.6	F8	J	12A	8120	A -16 5869
97		9.4A	32 28.911	0.0002	18	-14 49 20.74	-0.003	13	0.31	28.908	18	33.6	20.69	16	33.6	A0	J	12A	8121	A -15 6014
98		8.0T	32 31.294	-0.0022	13	-19 28 4.82	-0.009	09	0.57	31.394	18	04.6	4.36	17	99.5	F5		GC	30215	-19 6126
99		9.2A	32 32.294	-0.0028	21	-15 42 30.94	-0.012	15	0.34	32.339	18	33.6	30.75	16	33.6	F0	J	12A	8122	A -16 5890
00		9.0A	32 36.162	0.0015	15	-13 8 49.21	0.014	17	0.31	36.136	18	33.6	49.44	16	33.6	G5	J	11	7651	A -13 5970

164500			EPOCH 1950								ORIGINAL EPOCH						SP.		SOURCE		-10° 21H
NUMBER	MAGNITUDES		α_{1950}	μ	σ_μ	δ_{1950}	μ'	$\sigma_{\mu'}$	σ_{1950}	α_2	σ	ep.	δ_2	σ'	ep.			CAT.	STAR NUMBER	DM NUMBER
	m_{pg}	m_v	h m s	s	″.001	° ′ ″	″	″.001	″	s	″.01		″	″.01							
1		8.9A	21 32 44.523	0.0013	15	-10 31 22.05	0.002	17	0.31	44.502	18	33.6	22.08	16	33.6	K0	J	11	7652	A -10 5709
2		8.7A	32 47.782	0.0000	15	-13 11 34.71	-0.031	17	0.31	47.781	18	33.6	34.21	16	33.6	G5	J	11	7653	A -13 5972
3		8.5Q	32 51.953	0.0036	09	-12 0 48.70	-0.007	05	0.41	51.786	18	03.0	48.29	15	89.9	F0		GC	30223	-12 6035
4		8.8A	32 59.236	-0.0010	18	-16 52 45.76	-0.037	13	0.31	59.253	18	33.6	45.16	16	33.6	K0	J	12A	8123	A -17 6318
5		8.4A	33 0.149	-0.0013	15	-10 12 29.25	-0.014	17	0.31	0.170	18	33.6	29.02	16	33.6	K0	J	11	7655	A -10 5711
6		8.6A	33 7.637	-0.0024	21	-15 55 12.48	-0.035	15	0.34	7.676	18	33.6	11.91	16	33.6	K0	J	12A	8124	A -16 5892
7		8.9A	33 26.848	0.0045	21	-14 5 33.80	0.005	15	0.34	26.774	18	33.6	33.89	16	33.6	M4	J	12A	8125	A -14 6077
8		7.6T	33 35.274	-0.0015	11	-18 36 59.49	0.008	09	0.50	35.345	10	02.8	59.87	10	01.5	F2		GC	30238	-19 6131
9		8.8A	33 40.845	0.0005	18	-14 12 11.35	-0.009	13	0.31	40.838	18	33.6	11.21	16	33.6	A2	J	12A	8127	A -14 6078
10		9.0A	33 40.999	0.0031	21	-16 56 6.67	-0.016	15	0.34	40.949	18	33.6	6.41	16	33.6	A0	J	12A	8126	A -17 6321
11		9.2A	33 42.283	0.0035	20	-18 23 14.73	-0.009	15	0.33	42.226	18	33.6	14.59	16	33.6	K0	J	12B	9244	A -18 5971
12		8.7A	33 52.513	0.0026	21	-17 19 28.26	0.004	15	0.34	52.470	18	33.6	28.33	16	33.6	F2	J	12A	8128	A -17 6322
13		9.1A	33 54.855	0.0010	20	-18 52 58.52	-0.005	15	0.33	54.838	18	33.6	58.43	16	33.6	K2	J	12B	9247	A -19 6132
14		8.9A	34 0.125	-0.0017	21	-13 41 1.55	-0.029	15	0.34	0.152	18	33.6	1.08	16	33.6	A2	J	12A	8129	A -14 6080
15		9.0A	34 8.171	-0.0007	15	-12 4 49.30	0.054	17	0.31	8.182	18	33.6	50.19	16	33.6	F0	J	11	7657	A -12 6039
16		7.5A	34 11.207	0.0056	18	-18 58 5.99	-0.069	13	0.31	11.115	18	33.6	4.85	16	33.6	K2	J	12B	9248	A -19 6133
17		8.7A	34 11.840	-0.0022	21	-15 37 20.31	0.020	15	0.34	11.876	18	33.6	20.64	16	33.6	K0	J	12A	8130	A -16 5895
18		8.8A	34 12.652	-0.0010	15	-12 47 39.58	-0.021	15	0.30	12.668	18	33.6	39.23	16	33.6	K2	J	11	7658	A -13 5974
19		7.5A	34 14.056	0.0036	15	-10 23 57.59	0.020	17	0.31	13.997	18	33.6	57.92	16	33.6	F6	J	11	7659	A -10 5714
20		4.7T	34 17.002	0.0007	02	-19 41 27.69	0.006	02	0.10	16.970	04	03.7	27.99	04	02.7	B5P		GC	30252K	B*-20 6251
21		8.9A	34 17.979	-0.0002	15	-11 38 20.25	-0.031	17	0.31	17.981	18	33.6	19.74	16	33.6	K0	J	11	7660	A -12 6041
22		8.8A	34 19.524	0.0002	18	-14 4 12.69	-0.025	13	0.31	19.521	18	33.6	12.29	16	33.6	K0	J	12A	8131	A -14 6081
23		8.8A	34 19.986	-0.0001	21	-14 12 9.42	-0.023	15	0.34	19.988	18	33.6	9.05	16	33.6	G0	J	12A	8132	A -14 6082
24		7.0T	34 33.865	0.0024	11	-18 39 53.48	-0.095	07	0.56	33.734	19	95.2	47.71	17	89.4	F5		GC	30258	-19 6134
25		7.5A	34 38.197	-0.0004	15	-11 41 8.96	0.014	15	0.30	38.203	18	33.6	9.19	16	33.6	M1	J	11	7661	A -12 6044
26		9.1A	34 44.389	0.0039	21	-16 31 45.65	0.001	15	0.34	44.326	18	33.6	45.67	16	33.6	K0	J	12A	8133	A -16 5899
27		9.0A	34 44.393	0.0026	15	-13 2 12.35	-0.007	17	0.31	44.351	18	33.6	12.24	16	33.6	K0	J	11	7662	A -13 5976
28		7.3Q	34 50.099	0.0011	11	-19 27 23.74	-0.005	08	0.56	50.041	19	97.0	23.45	17	93.3	B9		GC	30262	-19 6136
29		8.8A	34 52.899	-0.0013	13	-11 14 58.32	-0.022	15	0.29	52.920	18	33.6	57.96	16	33.6	K5	J	11	7664	A -11 5632
30		9.2A	34 53.991	0.0011	17	-13 8 9.53	-0.029	18	0.33	53.973	18	33.6	9.05	16	33.6	K5	J	11	7663	A -13 5977
31		9.1A	34 54.556	0.0031	20	-19 50 34.81	0.028	15	0.33	54.506	16	33.6	35.27	16	33.6	F8	J	13A	9255	A -20 6256
32		9.0A	34 59.336	0.0031	17	-10 13 42.19	-0.031	18	0.33	59.285	18	33.6	41.68	16	33.6	F8	J	11	7665	A -10 5717
33		8.6Q	35 3.178	0.0020	11	-16 28 39.53	0.013	08	0.48	3.088	18	04.7	40.18	17	00.7	G5		GC	30267	-16 5901
34		7.7A	35 10.252	0.0038	20	-17 26 6.45	-0.013	15	0.33	10.190	18	33.6	6.24	16	33.6	K0	J	12B	9256	A -17 6329
35		8.9A	35 13.653	0.0066	20	-18 33 45.52	-0.075	13	0.32	13.544	18	33.6	44.28	16	33.6	G5	J	12B	9257	A -18 5981
36		9.1A	35 23.553	0.0024	17	-13 26 38.84	0.008	12	0.29	23.513	18	33.6	38.97	16	33.6	F8	J	12A	8136	A -13 5980
37		8.8A	35 26.704	-0.0010	15	-10 39 53.66	-0.021	17	0.31	26.721	18	33.6	53.32	16	33.6	F0	J	11	7668	A -11 5634
38		7.1T	35 29.618	0.0020	08	-15 8 10.45	0.034	05	0.35	29.520	09	01.3	12.29	10	95.8	G5		GC	30276	-15 6027
39		6.4A	35 32.063	0.0001	21	-13 45 33.74	-0.003	15	0.34	32.062	18	33.6	33.70	16	33.6	A0	J	12A	8138	A -14 6088
40		8.1A	35 34.368	-0.0020	18	-12 16 13.98	-0.033	20	0.35	34.401	18	33.6	13.44	16	33.6	K0	J	11	7670	A -12 6048
41		8.2Q	35 47.863	0.0008	13	-17 5 21.70	-0.038	08	0.54	47.829	18	05.5	19.79	17	99.5	K0		GC	30284	-17 6333
42		8.9A	35 49.657	0.0085	21	-15 49 30.49	-0.057	15	0.34	49.518	18	33.6	29.56	16	33.6	G5	J	12A	8140	A -16 5903
43		8.6A	35 53.814	-0.0015	18	-18 54 52.48	-0.268	12	0.30	53.839	18	33.6	48.08	16	33.6	G0	J	12B	9258	A -19 6138
44		7.8A	36 2.597	0.0034	20	-19 51 5.45	-0.014	15	0.33	2.541	16	33.6	5.22	16	33.6	F8	J	13A	9259	A -20 6257
45		8.6A	36 15.160	-0.0068	21	-15 40 36.99	-0.124	15	0.34	15.271	18	33.6	34.96	16	33.6	G0	J	12A	8141	A -16 5905
46		9.1A	36 24.453	-0.0035	15	-12 34 40.04	0.029	17	0.31	24.510	18	33.6	40.51	16	33.6	G0	J	11	7672	A -13 5982
47		8.2Q	36 31.444	-0.0028	10	-14 17 7.18	-0.020	08	0.49	31.574	18	03.1	6.20	18	00.0	K2		GC	30300	-14 6095
48		7.9A	36 31.616	0.0011	21	-14 7 14.69	-0.072	15	0.34	31.599	18	33.6	13.52	16	33.6	K0	J	12A	8143	A -14 6094
49		9.2A	36 32.276	0.0013	15	-12 28 27.05	0.029	17	0.31	32.255	18	33.6	27.52	16	33.6	A3	J	11	7673	A -12 6054
50		9.5A	36 38.331	-0.0006	17	-10 40 21.23	-0.071	18	0.33	38.341	18	33.6	20.07	16	33.6	G5	J	11	7675	A -11 5639
51		9.0A	21 36 38.988	0.0022	15	-18 39 29.52	0.008	11	0.27	38.952	18	33.6	29.64	16	33.6	F2	J	12B	9261	A -19 6140
52		8.7A	36 43.051	-0.0012	15	-10 8 58.80	-0.057	17	0.31	43.070	18	33.6	59.73	16	33.6	F5	J	11	7676	A -10 5724
53		8.8A	36 43.740	0.0011	20	-19 26 34.04	0.006	15	0.33	43.722	16	33.6	34.13	16	33.6	F2	J	13A	9263	A -19 6141
54		9.2A	36 45.709	0.0032	20	-18 20 11.44	-0.015	15	0.33	45.657	18	33.6	11.20	16	33.6	F0	J	12B	9264	A -18 5986
55		6.2T	36 46.972	0.0017	10	-10 48 10.31	-0.042	09	0.48	46.891	09	00.8	8.20	09	99.7	K0		GC	30309	-11 5640
56		8.7A	36 48.405	-0.0015	18	-10 33 14.50	-0.010	20	0.35	48.430	18	33.6	14.34	16	33.6	K5	J	11	7678	A -10 5725
57		8.5A	36 56.239	0.0089	18	-12 50 58.70	0.031	20	0.35	56.093	18	33.6	59.21	16	33.6	G0	J	11	7679	A -13 5985
58		9.2A	37 3.793	0.0032	21	-16 13 58.52	-0.024	15	0.34	3.741	18	33.6	58.13	16	33.6	K0	J	12A	8144	A -16 5909
59		9.0A	37 7.399	-0.0035	18	-11 24 20.10	-0.012	20	0.35	7.456	18	33.6	20.30	16	33.6	F8	J	11	7680	A -11 5643
60		3.8H	37 19.372	0.0131	01	-16 53 21.05	-0.022	01	0.04	18.881	02	12.6	20.19	02	10.8	F0P		F4	812	-17 6340
61		8.9A	37 24.438	0.0005	15	-11 33 19.31	0.007	15	0.30	24.429	18	33.6	19.42	16	33.6	A0	J	11	7682	A -11 5644
62		8.1A	37 28.631	-0.0014	18	-11 1 39.44	-0.006	20	0.35	28.655	18	33.6	39.34	16	33.6	K0	J	11	7683	A -11 5645
63		8.0Q	37 31.114	0.0049	20	-10 1 10.52	-0.152	18	0.90	30.891	19	04.0	3.38	18	03.0	F8		GC	30327	-10 5728
64		9.2A	37 42.162	-0.0039	21	-15 41 22.38	-0.023	15	0.34	42.225	18	33.6	22.00	16	33.6	K0	J	12A	8146	A -16 5913
65		8.3A	37 45.463	0.0008	15	-10 13 1.52	0.005	17	0.31	45.450	18	33.6	1.60	16	33.6	K0	J	11	7685	A -10 5729
66		9.3A	37 47.310	-0.0001	20	-17 49 39.23	-0.013	15	0.33	47.311	18	33.6	39.03	16	33.6	B3	J	12B	9269	A -18 5992
67		7.4T	37 47.706	-0.0006	09	-19 7 23.95	-0.013	09	0.53	47.739	17	94.9	23.20	15	92.7	K5		GC	30330	-19 6146
68		9.1A	37 50.829	-0.0001	21	-16 59 42.38	0.013	15	0.34	50.831	18	33.6	42.59	16	33.6	K0	J	12A	8147	A -17 6343
69		9.2A	37 52.283	-0.0018	21	-14 36 31.28	-0.026	15	0.34	52.312	18	33.6	30.86	16	33.6	F0	J	12A	8148	A -15 6033
70		8.8A	37 53.365	0.0018	15	-10 26 11.42	-0.018	17	0.31	53.336	18	33.6	11.12	16	33.6	A0	J	11	7686	A -10 5731
71		8.9A	37 59.027	-0.0000	15	-10 42 51.25	0.006	17	0.31	59.027	18	33.6	51.35	16	33.6	K0	J	11	7687	A -11 5647
72		9.4A	38 0.857	0.0016	21	-14 55 35.83	-0.019	15	0.34	0.830	18	33.6	35.52	16	33.6	G5	J	12A	8149	A -15 6034
73		9.0A	38 14.435	0.0018	17	-10 26 3.14	-0.009	18	0.33	14.405	18	33.6	2.99	16	33.6	A2	J	11	7688	A -10 5734
74		8.6A	38 22.332	-0.0001	15	-10 25 34.40	0.034	20	0.33	22.333	18	33.6	34.96	16	33.6	G5	J	11	7689	A -10 5735
75		9.0A	38 25.674	0.0026	20	-17 46 39.13	-0.031	15	0.33	25.631	18	33.6	38.63	16	33.6	K0	J	12B	9271	A -18 5994
76		8.4A	38 26.218	-0.0029	15	-11 0 30.82	-0.019	17	0.31	26.265	18	33.6	30.51	16	33.6	F0	J	11	7690	A -11 5648
77		9.1A	38 32.684	0.0022	15	-12 37 5.72	0.008	15	0.30	32.648	18	33.6	5.85	16	33.6	K2	J	11	7691	A -13 5990
78		9.2A	38 36.753	-0.0011	21	-14 9 48.33	-0.005	15	0.34	36.772	18	33.6	48.26	16	33.6	F0	J	12A	8150	A -14 6101
79		7.1T	38 44.038	0.0000	10	-15 4 10.94	0.024	07	0.52	44.038	19	94.2	12.45	17	87.3	F0		GC	30352K	-15 6037
80		5.3T	38 49.849	-0.0084	03	-14 16 17.42	-0.304	03	0.16	50.295	06	96.7	0.99	06	95.9	G5		GC	30354	B*-14 6102
81		9.0A	39 0.675	-0.0007	18	-11 57 30.67	-0.018	20	0.35	0.686	18	33.6	30.38	16	33.6	K0	J	11	7694	A -12 6062
82		9.2A	39 1.029	0.0027	21	-14 25 19.52	-0.019	15	0.34	0.986	18	33.6	19.22	16	33.6	F0	J	12A	8153	A -14 6103
83		7.9A	39 11.976	0.0181	18	-17 27 3.90	0.047	12	0.30	11.680	18	33.6	4.68	16	33.6	K0	J	12B	9276	A -17 6349
84		8.3A	39 18.263	-0.0006	15	-12 28 42.21	-0.006	17	0.31	18.273	18	33.6	42.11	16	33.6	A2	J	11	7695	A -12 6065
85		9.1A	39 22.613	0.0026	21	-14 50 57.58	-0.004	15	0.34	22.571	18	33.6	57.52	16	33.6	K0	J	12A	8155	A -15 6040
86		8.7A	39 31.651	0.0016	15	-11 55 30.26	0.006	17	0.31	31.625	18	33.6	30.36	16	33.6	F8	J	11	7696	A -12 6070
87		9.3A	39 32.172	0.0049	21	-17 5 54.08	0.002	15	0.34	32.092	18	33.6	54.11	16	33.6	G0	J	12A	8156	A -17 6353
88		8.9A	39 47.689	0.0059	15	-11 17 48.69	0.010	17	0.31	47.592	18	33.6	48.85	16	33.6	G5	J	11	7697	A -11 5651
89		8.2A	39 48.609	0.0004	21	-15 59 24.81	-0.024	15	0.34	48.602	18	33.6	24.42	16	33.6	K0	J	12A	8157	A -16 5924
90		9.3A	39 49.391	-0.0014	21	-16 47 12.72	-0.006	12	0.33	49.414	18	33.6	12.62	16	33.6	K0	J	12A	8158	A -17 6354
91		9.0A	39 51.539	0.0017	27	-15 0 22.86	-0.104	20	0.42	51.511	18	33.6	21.16	16	33.6	G0	J	12A	8159	A -15 6042
92		8.8A	39 51.854	-0.0010	15	-10 8 44.30	-0.081	17	0.31	51.871	18	33.6	42.97	16	33.6	K0	J	11	7698	A -10 5745
93		4.8T	39 52.121	0.0103	02	-19 5 42.64	-0.004	02	0.13	51.619	05	01.2	42.43	05	99.6	G5		GC	30382	B*-19 6152
94		8.6A	39 54.780	-0.0009	17	-12 16 16.92	-0.015	18	0.33	54.795	18	33.6	16.67	16	33.6	K0	J	11	7699	A -12 6074
95		9.3A	39 59.217	0.0005	21	-15 33 47.01	-0.028	15	0.34	59.209	18	33.6	46.55	16	33.6	F8	J	12A	8160	A -15 6043
96		8.9A	40 0.640	-0.0004	15	-12 13 10.98	-0.009	15	0.30	0.646	18	33.6	10.83	16	33.6	K0	J	11	7700	A -12 6075
97		8.8A	40 6.645	-0.0009	18	-18 31 56.18	-0.017	13	0.31	6.659	18	33.6	55.89	16	33.6	F2	J	12B	9280	A -18 5996
98		9.2A	40 14.403	0.0014	20	-19 57 34.53	0.011	15	0.33	14.379	16	33.6	34.71	16	33.6	G0	J	13A	9282	A -20 6269
99		9.2A	40 15.810	-0.0010	21	-13 54 4.45	-0.051	15	0.34	15.826	18	33.6	3.62	16	33.6	G0	J	12A	8161	A -14 6110
00		6.0T	40 20.831	-0.0003	03	-14 37 45.10	0.027	03	0.18	20.846	07	99.0	46.53	07	97.1	A5		GC	30393	B*-15 6046

164600 — EPOCH 1950 — ORIGINAL EPOCH — -10° 21H

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	σ'_μ ″.001	σ_{1950} ″	α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	CAT.	STAR NUMBER	DM NUMBER
1		6.2T	21 40 25.842	0.0054	04	-19 51 0.45	-0.008	04	0.22	25.590	07	03.2	0.08	09	02.2	A3	GC	30396	B*-20 6270
2		9.5A	40 41.287	-0.0027	15	-10 30 45.07	0.006	15	0.30	41.332	18	33.6	45.17	16	33.6	K0 J	11	7754	A -10 5749
3		9.3A	40 41.296	0.0016	21	-15 22 18.29	0.009	15	0.34	41.270	18	33.6	18.44	16	33.6	K0 J	12A	8163	A -15 6048
4		8.7A	40 43.167	0.0011	15	-12 59 14.48	-0.100	15	0.30	43.148	18	33.6	12.84	16	33.6	G5 J	11	7753	A -13 6004
5		8.8A	40 46.654	0.0008	20	-17 36 59.49	-0.021	15	0.33	46.641	18	33.6	59.15	16	33.6	K5 J	12B	9284	A -18 5998
6		9.0A	40 49.481	-0.0020	15	-10 6 21.69	-0.023	17	0.31	49.514	18	33.6	21.31	16	33.6	K0 J	11	7755	A -10 5750
7		8.6A	40 54.891	0.0014	15	-10 13 22.62	0.016	17	0.31	54.868	18	33.6	22.88	16	33.6	F8 J	11	7757	A -10 5751
8		8.7A	41 6.093	0.0028	18	-18 49 10.06	-0.061	12	0.30	6.046	18	33.6	9.08	16	33.6	F8 J	12B	9286	A -19 6156
9		9.1A	41 13.731	0.0006	15	-11 16 14.72	0.000	17	0.31	13.721	18	33.6	14.72	16	33.6	K2 J	11	7758	A -11 5654
10		8.4A	41 14.119	0.0018	18	-19 44 17.80	0.002	12	0.30	14.089	18	33.6	17.84	16	33.6	K0 J	12B	9287	A -20 6277
11		8.9A	41 14.207	0.0056	20	-18 24 39.96	0.018	15	0.33	14.115	18	33.6	40.26	16	33.6	G5 J	12B	9288	A -18 6000
12		5.9T	41 17.251	-0.0018	03	-14 58 46.14	0.010	04	0.19	17.341	97	99.9	46.65	07	99.0	A5	GC	30419	B*-15 6052
13		9.3A	41 18.068	0.0036	21	-14 10 47.78	0.005	15	0.34	18.009	18	33.6	47.87	16	33.6	F8 J	12A	8166	A -14 6113
14		9.1A	41 33.103	-0.0016	21	-16 17 18.41	-0.008	15	0.34	33.128	18	33.6	18.28	16	33.6	K5 J	12A	8167	A -16 5932
15		8.4Q	41 34.126	0.0015	07	-16 12 4.35	-0.052	06	0.37	34.048	14	96.8	1.46	14	94.3	A2	GC	30427	-16 5933
16		8.3A	41 36.784	-0.0000	15	-11 0 24.22	-0.024	17	0.31	36.784	18	33.6	23.83	16	33.6	K2 J	11	7709	A -11 5657
17		8.8A	41 39.445	0.0022	15	-11 58 28.89	-0.005	17	0.31	39.409	18	33.6	28.81	16	33.6	M2 J	11	7710	A -12 6079
18		8.5A	41 42.085	0.0029	15	-12 0 9.58	-0.012	17	0.31	42.037	18	33.6	9.38	16	33.6	G5 J	11	7711	A -12 6080
19		9.4A	41 43.813	0.0028	18	-17 53 27.55	-0.056	13	0.31	43.766	18	33.6	26.64	16	33.6	G0 J	12B	9292	A -18 6001
20		8.9A	41 57.143	-0.0030	21	-16 45 25.26	-0.027	15	0.34	57.192	18	33.6	24.82	16	33.6	G5 J	12A	8169	A -17 6363
21		9.3A	42 0.701	0.0055	21	-15 36 9.70	-0.024	15	0.34	0.611	18	33.6	9.31	16	33.6	G0 J	12A	8170	A -16 5936
22		9.2A	42 2.776	0.0004	21	-14 11 26.70	0.014	15	0.34	2.770	18	33.6	26.94	16	33.6	G5 J	12A	8171	A -14 6114
23		8.7A	42 11.767	-0.0014	15	-10 26 37.28	-0.011	17	0.31	11.791	18	33.6	37.10	16	33.6	K2 J	11	7712	A -10 5755
24		9.0A	42 20.157	-0.0002	21	-15 49 47.65	-0.018	15	0.34	20.160	18	33.6	47.36	16	33.6	G0 J	12A	8172K	A -16 5938
25		9.1A	42 35.430	0.0051	18	-18 48 36.23	-0.120	12	0.30	35.346	18	33.6	34.26	16	33.6	G0 J	12B	9296	A -19 6158
26		8.8Q	42 35.472	0.0000	09	-13 54 24.69	0.006	05	0.40	35.471	18	04.8	25.08	17	88.9	K0	GC	30459	-14 6116
27		6.7T	42 39.247	0.0069	15	-13 0 50.91	-0.003	13	0.73	38.909	19	01.4	50.77	18	99.5	F5	GC	30461	-13 6008
28		9.0A	42 45.614	-0.0006	21	-13 52 21.65	-0.016	15	0.34	45.623	18	33.6	21.40	16	33.6	G0 J	12A	8174	A -14 6119
29		9.0A	43 3.356	-0.0021	21	-13 34 20.12	-0.030	15	0.34	3.391	18	33.6	19.64	16	33.6	K0 J	12A	8176	A -14 6121
30		8.7A	43 4.318	-0.0011	17	-12 45 40.31	-0.043	18	0.33	4.336	18	33.6	39.61	16	33.6	G5 J	11	7715	A -13 6010
31		8.8A	43 4.331	0.0015	21	-15 21 50.76	-0.035	15	0.34	4.307	18	33.6	50.19	16	33.6	G0 J	12A	8175	A -15 6058
32		8.8A	43 5.109	0.0049	15	-18 12 58.58	-0.165	11	0.27	5.029	18	33.6	55.89	16	33.6	G5 J	12B	9297	A -18 6003
33		9.2A	43 25.391	0.0009	21	-15 28 30.27	-0.090	15	0.34	25.377	18	33.6	28.80	16	33.6	K5 J	12A	8177	A -15 6060
34		9.0A	43 25.541	0.0002	21	-14 40 24.96	0.008	15	0.34	25.538	18	33.6	25.09	16	33.6	K0 J	12A	8178	A -15 6061
35		8.8A	43 32.839	0.0002	21	-16 13 33.27	-0.027	15	0.34	32.835	18	33.6	32.83	16	33.6	K0 J	12A	8179	A -16 5942
36		7.7A	43 35.786	0.0026	17	-12 49 47.08	-0.018	18	0.33	35.743	18	33.6	46.79	16	33.6	G5 J	11	7716	A -13 6012
37		7.5T	43 41.541	-0.0026	18	-18 9 12.96	-0.109	15	0.76	41.654	19	06.6	8.03	18	04.6	K0	GC	30478	-18 6007
38		8.7A	43 45.576	-0.0047	15	-11 3 3.83	-0.063	15	0.30	45.653	18	33.6	2.80	16	33.6	F2 J	11	7718	A -11 5667
39		5.4H	43 50.688	0.0019	02	-11 35 50.88	-0.007	01	0.06	50.625	03	16.2	50.64	03	13.6	A0	F4	818	-12 6087
40		7.0T	44 0.428	0.0020	05	-11 55 40.13	-0.128	04	0.23	0.336	10	04.9	33.81	09	00.6	F8	GC	30484	B*-12 6088
41		8.6A	44 5.620	0.0008	20	-18 37 51.69	-0.089	15	0.33	5.607	18	33.6	50.23	16	33.6	G5 J	12B	9300	A -19 6160
42		8.9A	44 6.352	0.0017	18	-12 10 22.95	-0.067	20	0.35	6.324	18	33.6	21.85	16	33.6	G0 J	11	7721	A -12 6089
43		9.4A	44 8.614	0.0006	21	-16 46 8.02	0.007	15	0.34	8.605	18	33.6	8.13	16	33.6	K2 J	12A	8180	A -17 6370
44		3.0H	44 16.992	0.0182	01	-16 21 18.42	-0.294	01	0.04	16.290	02	11.4	6.66	02	10.0	A5	F4	819	-16 5943
45		9.5A	44 23.497	0.0010	15	-13 1 33.88	0.005	15	0.30	23.481	18	33.6	33.96	16	33.6	G0 J	11	7722	A -13 6017
46		9.0A	44 25.458	-0.0027	15	-10 22 27.93	-0.019	17	0.31	25.502	18	33.6	27.62	16	33.6	K5 J	11	7723	A -10 5760
47		8.2A	44 26.760	0.0020	21	-14 44 45.06	0.015	15	0.34	26.727	18	33.6	45.31	16	33.6	F5 J	12A	8182	A -15 6065
48		8.9A	44 27.338	-0.0011	21	-14 54 54.83	-0.005	15	0.34	27.356	18	33.6	54.75	16	33.6	F0 J	12A	8183	A -15 6064
49		9.2A	44 29.849	0.0017	21	-13 44 5.48	0.033	15	0.34	29.821	18	33.6	6.03	16	33.6	K0 J	12A	8184	A -14 6125
50		8.6A	44 35.900	-0.0006	20	-19 17 7.50	-0.006	15	0.33	35.909	18	33.6	7.41	16	33.6	M1 J	12B	9303	A -19 6161
51		7.8A	21 44 43.755	-0.0005	21	-16 59 40.59	-0.042	15	0.34	43.764	18	33.6	39.91	16	33.6	K0 J	12A	8185	A -17 6371
52		8.0Q	44 44.537	0.0017	09	-13 21 13.17	0.009	05	0.39	44.465	19	08.6	13.70	18	92.1	F0	GC	30503K	-13 6018
53		8.2A	44 51.021	-0.0001	20	-17 31 38.35	-0.015	15	0.33	51.021	18	33.6	38.11	16	33.6	B9 J	12B	9305K	A -17 6373
54		7.9A	44 53.430	-0.0044	20	-19 48 36.02	-0.017	15	0.33	53.501	18	33.6	35.74	16	33.6	F8 J	13A	9306	A -20 6293
55		8.7A	44 54.597	-0.0021	20	-19 3 26.00	0.011	15	0.33	54.631	18	33.6	26.18	16	33.6	K0 J	12B	9307	A -19 6163
56		9.0A	44 57.754	0.0018	17	-12 48 10.87	0.030	18	0.33	57.724	18	33.6	11.36	16	33.6	G5 J	11	7727	A -13 6020
57		7.5A	44 58.772	0.0025	18	-18 26 43.97	0.010	13	0.31	58.730	18	33.6	44.14	16	33.6	A3 J	12B	9308	A -18 6013
58		9.2A	45 5.712	0.0003	17	-10 6 29.92	0.014	18	0.33	5.708	18	33.6	30.15	16	33.6	K0 J	11	7728	A -10 5763
59		8.4Q	45 6.593	-0.0154	09	-16 18 41.02	-0.055	07	0.43	7.385	14	98.7	38.04	14	95.7	G5	GC	30518	-16 5946
60		8.7A	45 15.498	0.0029	18	-18 5 44.90	0.056	20	0.35	15.451	18	33.6	45.82	16	33.6	G5 J	11	7729	A -18 5764
61		9.0A	45 18.834	0.0010	17	-11 52 15.95	0.001	18	0.33	18.818	18	33.6	15.97	16	33.6	K0 J	11	7730	A -12 6094
62		8.8A	45 22.365	-0.0008	15	-12 22 36.76	0.019	15	0.30	22.378	18	33.6	37.07	16	33.6	K0 J	11	7731	A -12 6095
63		9.1A	45 25.127	-0.0009	17	-12 23 55.88	-0.009	18	0.33	25.142	18	33.6	55.74	16	33.6	K0 J	11	7732	A -12 6096
64		8.9A	45 31.342	0.0026	20	-18 36 0.43	-0.014	15	0.33	31.300	18	33.6	0.19	16	33.6	K0 J	12B	9310	A -19 6165
65		8.9A	45 47.602	0.0017	18	-18 31 48.87	0.033	20	0.35	47.573	18	33.6	49.41	16	33.6	K0 J	11	7733	A -19 5766
66		9.2A	45 49.921	0.0016	15	-11 11 49.60	-0.067	15	0.30	49.895	18	33.6	48.51	16	33.6	G0 J	11	7734	A -11 5673
67		9.0A	45 50.018	0.0027	21	-14 23 54.57	-0.018	15	0.34	49.975	18	33.6	54.28	16	33.6	K0 J	12A	8188	A -14 6128
68		9.0A	45 51.809	0.0030	21	-15 29 50.98	-0.029	15	0.34	51.760	18	33.6	50.50	16	33.6	K0 J	12A	8189	A -15 6072
69		8.9A	45 54.310	0.0066	20	-19 38 44.68	-0.070	15	0.33	54.202	18	33.6	43.54	16	33.6	G5 J	13A	9313	A -20 6295
70		9.3A	46 6.519	-0.0019	20	-19 53 43.23	0.004	15	0.33	6.550	18	33.6	43.30	16	33.6	G0 J	13A	9314	A -20 6296
71		9.2A	46 9.596	-0.0038	21	-13 57 40.51	-0.052	15	0.34	9.658	18	33.6	39.67	16	33.6	G0 J	12A	8190	A -14 6131
72		9.5A	46 17.404	0.0030	15	-11 14 13.24	-0.040	17	0.31	17.355	18	33.6	12.59	16	33.6	K2 J	11	7735	A -11 5676
73		8.8A	46 28.922	0.0015	21	-15 21 14.68	-0.009	15	0.34	28.898	18	33.6	14.53	16	33.6	A2 J	12A	8191	A -15 6075
74		7.5A	46 33.776	0.0040	20	-18 37 11.60	0.014	15	0.33	33.710	18	33.6	11.82	16	33.6	A2 J	12B	9317	A -19 6169
75		8.8A	46 44.430	0.0029	21	-13 49 39.58	-0.011	15	0.34	44.383	18	33.6	39.41	16	33.6	A2 J	12A	8192	A -14 6133
76		8.9A	46 46.865	-0.0007	18	-18 50 42.93	-0.001	13	0.31	46.876	18	33.6	42.91	16	33.6	G0 J	12B	9318	A -19 6170
77		9.3A	46 47.402	0.0012	18	-18 53 13.42	-0.007	13	0.31	47.382	18	33.6	13.30	16	33.6	K0 J	12B	9319	A -19 6171
78		9.2A	46 54.737	-0.0004	15	-12 48 0.68	-0.016	17	0.31	54.743	18	33.6	0.42	16	33.6	K5 J	11	7736	A -13 6026
79		6.1T	46 59.013	-0.0004	04	-12 57 24.92	0.017	04	0.22	59.030	07	01.8	25.79	07	99.6	A0	GC	30550	B*-13 6027
80		9.2A	47 8.293	0.0004	13	-13 9 13.40	-0.019	15	0.29	8.287	18	33.6	13.09	16	33.6	G5 J	11	7738	A -13 6029
81		9.4A	47 11.449	0.0036	17	-13 14 39.82	-0.106	18	0.33	11.390	18	33.6	38.09	16	33.6	G0 J	11	7739	A -13 6030
82		8.9A	47 13.085	-0.0001	20	-18 56 3.51	-0.080	15	0.33	13.087	18	33.6	2.19	16	33.6	F8 J	12B	9322	A -19 6172
83		9.5A	47 17.547	-0.0041	15	-11 15 39.80	-0.018	17	0.31	17.614	18	33.6	39.51	16	33.6	G0 J	11	7740	A -11 5677
84		8.2A	47 23.468	0.0028	17	-11 50 27.81	0.017	18	0.33	23.422	18	33.6	28.09	16	33.6	G5 J	11	7741	A -12 6103
85		9.2A	47 26.994	0.0044	20	-17 32 49.61	-0.063	15	0.33	26.922	18	33.6	48.58	16	33.6	G0 J	12B	9323	A -17 6388
86		8.5T	47 28.148	0.0022	09	-17 4 44.04	0.003	06	0.39	28.042	09	01.1	44.20	10	98.3	K0	GC	30563	-17 6389
87		9.2A	47 28.879	0.0115	20	-18 25 39.65	-0.061	15	0.33	28.691	18	33.6	38.66	16	33.6	G0 J	12B	9324	A -18 6017
88		8.5A	47 30.337	-0.0012	15	-11 34 37.15	0.001	17	0.31	30.356	18	33.6	37.17	16	33.6	K0 J	11	7742	A -12 6104
89		8.1Q	47 39.109	-0.0038	10	-16 25 43.76	-0.140	08	0.48	39.303	15	99.2	36.29	14	96.6	G5	GC	30567	-16 5952
90		9.0A	47 53.501	0.0030	18	-18 14 51.50	-0.049	12	0.30	53.452	18	33.6	50.70	16	33.6	F2 J	12B	9326	A -18 6020
91		8.6A	48 16.008	0.0073	15	-10 52 42.81	0.007	15	0.30	15.888	18	33.6	42.93	16	33.6	G5 J	11	7744	A -11 5682
92		9.0A	48 24.847	0.0015	21	-15 2 1.31	0.010	15	0.34	24.823	18	33.6	1.47	16	33.6	K0 J	12A	8196	A -15 6078
93		7.9A	48 25.271	0.0064	15	-10 16 21.94	0.023	15	0.30	25.167	18	33.6	22.31	16	33.6	G0 J	11	7746	A -10 5774
94		9.1A	48 37.739	0.0017	19	-19 5 4.73	-0.008	13	0.31	37.710	18	33.6	4.59	16	33.6	G5 J	12B	9331	A -19 6174
95		9.0A	48 44.972	-0.0003	15	-12 27 52.51	-0.004	15	0.30	44.977	18	33.6	52.45	16	33.6	A5 J	11	7747	A -12 6112
96		8.6A	48 51.908	0.0010	21	-13 43 49.83	-0.010	15	0.34	51.892	18	33.6	49.67	16	33.6	F0 J	12A	8197	A -14 6144
97		6.1T	48 55.313	0.0103	04	-18 51 25.10	-0.077	04	0.21	54.886	07	08.5	21.74	07	06.5	F2	GC	30590	-19 6176
98		8.9A	49 1.773	-0.0024	20	-19 4 33.18	-0.003	15	0.33	1.812	18	33.6	33.12	16	33.6	M1 J	12B	9334	A -19 6177
99		9.2A	49 9.764	0.0029	21	-14 9 52.24	-0.012	15	0.34	9.717	18	33.6	52.05	16	33.6	G5 J	12A	8198	A -14 6145
00		9.0A	49 21.629	0.0001	20	-19 22 8.12	0.015	15	0.33	21.628	18	33.6	8.36	16	33.6	F2 J	12B	9335	A -19 6178

164700			EPOCH 1950							ORIGINAL EPOCH						SP.	SOURCE		-10° 21H
NUMBER	MAGNITUDES		α_{1950}	μ	σ_μ	δ_{1950}	μ'	$\sigma_{\mu'}$	σ_{1950}	α_2	σ	ep.	δ_2	σ'	ep.		CAT.	STAR NUMBER	DM NUMBER
	m_{pg}	m_v	h m s	s	″.001	° ′ ″	″	″.001	″	s	″.01		″	″.01					
1		9.0A	21 49 44.201	0.0011	21	-16 58 50.99	-0.035	15	0.34	44.184	18	33.6	50.42	16	33.6	K5 J	12A	8199	A -17 6395
2		9.0A	49 49.733	-0.0042	21	-16 29 39.33	-0.012	15	0.34	49.802	18	33.6	39.14	16	33.6	F5 J	12A	8200	A -16 5961
3		7.9A	49 53.875	-0.0007	20	-19 45 29.24	0.020	15	0.33	53.886	16	33.6	29.57	16	33.6	K2 J	13A	9337	A -20 6308
4		8.8A	49 54.326	-0.0005	21	-16 2 32.11	-0.066	15	0.34	54.334	18	33.6	31.03	16	33.6	G5 J	12A	8201	A -16 5963
5		8.0Q	49 56.734	0.0007	05	-17 18 7.28	-0.004	07	0.33	56.701	09	01.3	7.09	10	00.6	K0	GC	30613	-17 6397
6		9.1A	50 5.263	0.0016	15	-11 45 59.26	-0.024	17	0.31	5.236	18	33.6	58.87	16	33.6	F5 J	11	7750	A -12 6117
7		9.1A	50 5.812	0.0004	21	-14 9 39.13	-0.005	15	0.34	5.806	18	33.6	39.06	16	33.6	K0 J	12A	8203	A -14 6148
8		8.5A	50 12.765	-0.0037	15	-13 12 47.15	-0.113	17	0.31	12.825	18	33.6	45.30	16	33.6	G5 J	11	7751	A -13 6037
9		8.6A	50 15.359	-0.0017	20	-19 23 13.47	-0.048	15	0.33	15.387	18	33.6	12.68	16	33.6	G5 J	12B	9342	A -19 6184
10		8.7A	50 18.073	-0.0012	17	-11 33 51.39	0.016	18	0.33	18.092	18	33.6	51.65	16	33.6	K2 J	11	7752	A -12 6119
11		6.8T	50 20.383	0.0023	09	-10 47 52.60	-0.040	07	0.47	20.258	15	94.4	50.31	14	92.5	K0	GC	30628	-11 5690
12		9.1A	50 20.622	0.0014	15	-10 9 36.95	-0.036	17	0.31	20.599	18	33.6	36.36	16	33.6	K2 J	11	7754	A -10 5781
13		5.2H	50 34.305	0.0212	01	-13 47 16.98	0.014	01	0.04	33.497	02	12.0	17.49	02	12.5	F0	F4	1577	-14 6149
14		8.4A	50 38.874	0.0015	21	-14 25 32.39	0.005	15	0.34	38.850	18	33.6	32.48	16	33.6	A5 J	12A	8205	A -14 6150
15		8.6A	50 41.224	0.0022	15	-10 29 30.15	-0.031	17	0.31	41.189	18	33.6	29.64	16	33.6	K0 J	11	7755	A -10 5783
16		9.1A	50 44.165	0.0016	20	-17 47 11.55	0.029	15	0.33	44.139	18	33.6	12.03	16	33.6	F8 J	12B	9343	A -18 6025
17		6.5T	50 55.673	0.0006	04	-10 32 52.62	-0.001	04	0.21	55.645	07	99.2	52.57	07	98.0	B9	GC	30641	B*-10 5785
18		8.9A	50 56.635	0.0032	21	-16 59 11.60	0.007	15	0.34	56.583	18	33.6	11.71	16	33.6	A5 J	12A	8206	A -17 6398
19		9.0A	50 58.154	0.0018	21	-16 45 13.36	-0.021	15	0.34	58.124	18	33.6	13.02	16	33.6	F0 J	12A	8207	A -17 6399
20		9.0A	50 59.214	0.0011	18	-15 19 59.14	-0.185	13	0.31	59.197	18	33.6	56.11	16	33.6	G0 J	12A	8208	A -15 6087
21		8.9A	51 2.267	0.0051	18	-10 0 44.67	-0.011	20	0.35	2.184	18	33.6	44.85	16	33.6	F8 J	11	7757	A -10 5786
22		9.3A	51 7.212	0.0009	17	-13 8 25.73	-0.041	18	0.33	7.197	18	33.6	25.06	16	33.6	G0 J	11	7758	A -13 6044
23		9.0A	51 8.137	0.0008	21	-15 39 45.62	-0.019	15	0.34	8.124	18	33.6	45.31	16	33.6	K2 J	12A	8209	A -16 5967
24		9.4A	51 12.230	-0.0012	21	-14 10 39.64	0.024	15	0.34	12.250	18	33.6	40.04	16	33.6	F5 J	12A	8210	A -14 6153
25		9.2A	51 15.652	0.0004	15	-12 19 3.53	-0.018	17	0.31	15.646	18	33.6	3.24	16	33.6		11	7759	A -12 6120
26		9.5A	51 17.293	0.0028	21	-16 52 10.12	0.003	15	0.34	17.247	18	33.6	10.18	16	33.6	G0 J	12A	8211	A -17 6402
27		8.6A	51 18.700	0.0102	18	-17 23 52.60	0.008	12	0.30	18.533	18	33.6	52.73	16	33.6	G0 J	12B	9347	A -17 6401
28		9.2A	51 20.883	-0.0004	15	-10 57 17.03	0.010	15	0.30	20.889	18	33.6	17.19	16	33.6	K0 J	11	7760	A -11 5692
29		9.3A	51 23.372	-0.0010	15	-13 5 39.13	-0.019	17	0.31	23.388	18	33.6	38.83	16	33.6	K0 J	11	7761	A -13 6045
30		9.4A	51 24.367	0.0008	21	-16 52 48.53	-0.001	15	0.34	24.354	18	33.6	48.52	16	33.6	K2 J	12A	8213	A -17 6403
31		8.7A	51 27.359	0.0035	20	-17 48 56.04	-0.024	15	0.33	27.302	18	33.6	55.65	16	33.6	A0 J	12B	9348	A -18 6029
32		8.7A	51 35.286	-0.0019	15	-11 36 2.13	0.037	17	0.31	35.316	18	33.6	2.74	16	33.6	F5 J	11	7762	A -12 6122
33		8.9A	51 41.078	-0.0005	15	-11 35 34.34	-0.019	17	0.31	41.086	18	33.6	34.03	16	33.6	G5 J	11	7763	A -12 6123
34		8.9A	51 45.167	-0.0008	15	-11 54 52.72	-0.014	17	0.31	45.181	18	33.6	52.49	16	33.6	F8 J	11	7764	A -12 6124
35		9.1A	51 59.375	-0.0005	21	-14 49 20.53	0.001	15	0.34	59.383	18	33.6	20.55	16	33.6	K0 J	12A	8214	A -15 6090
36		8.9A	52 8.778	0.0008	13	-13 6 57.42	-0.006	15	0.29	8.765	18	33.6	57.32	16	33.6	K5 J	11	7765	A -13 6046
37		7.0T	52 16.969	-0.0006	07	-15 29 41.59	-0.033	06	0.37	17.000	14	97.8	39.76	12	94.4	K0	GC	30670	-15 6092
38		8.1A	52 20.444	0.0022	17	-12 12 27.13	-0.017	18	0.33	20.409	18	33.6	26.85	16	33.6	A0 J	11	7766	A -12 6126
39		8.9A	52 32.236	0.0006	20	-19 52 34.14	-0.034	15	0.33	32.226	16	33.6	33.59	16	33.6	G0 J	13A	9349	A -20 6319
40		9.1A	52 33.618	0.0023	15	-10 55 26.86	0.015	17	0.31	33.580	18	33.6	27.11	16	33.6	G0 J	11	7767	A -11 5701
41		8.9A	52 36.671	0.0018	20	-18 28 39.06	-0.008	15	0.33	36.641	18	33.6	38.94	16	33.6	K0 J	12B	9350	A -18 6032
42		9.1A	52 43.621	-0.0056	15	-12 50 55.82	-0.108	17	0.31	43.713	18	33.6	54.05	16	33.6	F8 J	11	7768	A -13 6048
43		8.9A	52 49.479	0.0047	20	-19 38 30.56	-0.074	15	0.33	49.402	16	33.6	29.35	16	33.6	G5 J	13A	9352	A -20 6321
44		9.5A	52 51.607	-0.0032	18	-15 44 48.96	0.029	13	0.31	51.660	18	33.6	49.43	16	33.6	F8 J	12A	8216	A -16 5971
45		9.0A	53 0.105	0.0088	21	-15 54 5.27	-0.034	15	0.34	-59.961	18	33.6	4.71	16	33.6	G5 J	12A	8217	A -16 5972
46		9.6A	53 5.043	0.0013	17	-12 51 13.05	0.088	20	0.34	5.021	18	33.6	14.49	16	33.6	K2 J	11	7769	A -13 6049
47		9.4A	53 7.714	-0.0008	18	-14 23 56.60	0.013	13	0.31	7.727	18	33.6	56.82	16	33.6	A2 J	11	8218	A -14 6160
48		9.0A	53 13.532	-0.0009	15	-10 40 17.30	-0.055	17	0.31	13.547	18	33.6	16.40	16	33.6	F8 J	11	7770	A -11 5704
49		8.9A	53 20.504	0.0042	15	-11 29 30.56	0.004	17	0.31	20.435	18	33.6	30.63	16	33.6	G5 J	11	7771	A -11 5705
50		7.8A	53 25.046	0.0015	21	-14 16 23.81	0.012	15	0.34	25.022	18	33.6	24.01	16	33.6	M2 J	12A	8219	A -14 6163
51		8.9A	21 53 40.901	-0.0006	20	-19 41 21.17	-0.018	15	0.33	40.909	16	33.6	20.88	16	33.6	G5 J	13A	9355	A -20 6324
52		9.1A	53 41.127	-0.0001	20	-19 53 29.76	0.012	15	0.33	41.128	16	33.6	29.96	16	33.6	G5 J	13A	9356	A -20 6325
53		9.0A	53 44.699	0.0003	21	-13 50 4.44	0.015	15	0.34	44.695	18	33.6	4.70	16	33.6	G5 J	12A	8220	A -14 6166
54		9.2A	53 48.058	-0.0007	17	-16 5 35.51	-0.009	12	0.29	48.070	18	33.6	35.36	16	33.6	F0 J	12A	8221	A -16 5974
55		9.4A	53 59.887	-0.0010	17	-16 2 26.92	-0.002	12	0.29	59.903	18	33.6	26.89	16	33.6	K0 J	12A	8222	A -16 5976
56		6.6T	54 0.920	0.0012	06	-18 8 7.13	0.005	05	0.27	0.865	09	04.1	7.39	10	01.8	A0	GC	30706	-18 6037
57		9.0A	54 5.775	0.0044	21	-15 51 15.88	-0.013	15	0.34	5.702	18	33.6	15.67	16	33.6	F8 J	12A	8223	A -16 5978
58		8.4A	54 12.655	0.0031	21	-13 35 16.21	0.023	15	0.34	12.605	18	33.6	16.60	16	33.6	F0 J	12A	8224	A -14 6169
59		7.7T	54 18.727	-0.0008	07	-19 25 42.24	0.011	06	0.30	18.761	09	07.9	42.73	10	04.7	G5	GC	30715	-19 6190
60		9.3A	54 19.338	0.0013	21	-14 21 5.43	-0.012	15	0.34	19.317	18	33.6	5.24	16	33.6	M4 J	12A	8225	A -14 6170
61		8.5A	54 20.567	0.0017	15	-13 13 6.66	0.033	17	0.31	20.538	18	33.6	7.20	16	33.6	G5 J	11	7775	A -13 6055
62		9.0A	54 22.996	0.0012	20	-18 57 8.76	-0.025	15	0.33	22.976	18	33.6	8.34	16	33.6	K5 J	12B	9363	A -19 6191
63		9.2A	54 23.530	-0.0020	21	-16 11 58.81	-0.020	15	0.34	23.562	18	33.6	58.48	16	33.6	F5 J	12A	8226	A -16 5979
64		8.7A	54 32.296	0.0010	20	-19 8 5.92	-0.006	15	0.33	32.280	18	33.6	5.82	16	33.6	F0 J	12B	9364	A -19 6193
65		9.0A	54 37.245	0.0004	21	-16 28 35.56	-0.095	15	0.34	37.238	18	33.6	34.00	16	33.6	G5 J	12A	8227	A -16 5982
66		8.9A	54 41.128	0.0011	21	-14 7 13.18	-0.125	15	0.34	41.111	18	33.6	11.14	16	33.6	G5 J	12A	8228	A -14 6173
67		9.0A	54 58.256	0.0006	21	-14 19 28.66	-0.002	15	0.34	58.247	18	33.6	28.64	16	33.6	F0 J	12A	8229	A -14 6175
68		7.2T	55 4.273	0.0005	07	-15 21 42.89	-0.021	07	0.36	4.248	09	00.8	41.83	10	99.2	A2	GC	30727K	-15 6103
69		9.0A	55 10.585	0.0007	21	-14 7 56.65	-0.065	15	0.34	10.573	18	33.6	55.59	16	33.6	G0 J	12A	8231	A -14 6176
70		8.2A	55 14.942	-0.0028	15	-13 9 43.70	-0.041	17	0.31	14.988	18	33.6	43.03	16	33.6	K0 J	11	7776	A -13 6059
71		8.7A	55 19.340	0.0011	13	-10 56 40.45	-0.014	15	0.29	19.323	18	33.6	40.22	16	33.6	G5 J	11	7777	A -11 5719
72		9.0A	55 20.924	-0.0005	20	-17 51 34.28	0.001	15	0.33	20.931	18	33.6	34.31	16	33.6	K0 J	12B	9367	A -18 6042
73		8.8A	55 25.974	0.0045	15	-11 22 16.90	0.020	17	0.31	25.901	18	33.6	17.23	16	33.6	F5 J	11	7778	A -11 5720
74		9.0A	55 28.756	0.0007	21	-15 19 48.84	-0.018	15	0.34	28.744	18	33.6	48.54	16	33.6	K2 J	12A	8232	A -15 6104
75		8.5A	55 36.441	0.0028	15	-12 20 28.34	-0.003	17	0.31	36.394	18	33.6	28.29	16	33.6	K0 J	11	7779	A -12 6134
76		9.0A	55 39.304	-0.0042	20	-19 37 25.17	-0.064	15	0.33	39.372	16	33.6	24.13	16	33.6	G0 J	13A	9370	A -20 6330
77		8.9A	55 40.918	0.0038	20	-18 47 52.84	0.022	15	0.33	40.856	18	33.6	53.19	16	33.6	G0 J	12B	9371	A -19 6198
78		8.3A	55 42.436	-0.0001	17	-13 16 11.21	-0.013	18	0.33	42.437	18	33.6	10.99	16	33.6	F5 J	11	7780	A -13 6061
79		7.0T	55 42.617	0.0008	04	-12 54 17.44	0.067	04	0.24	42.579	12	03.9	20.85	12	99.2	G5	GC	30743	-13 6060
80		7.3A	55 47.819	0.0008	21	-13 29 29.12	-0.005	15	0.34	47.805	18	33.6	29.04	16	33.6	G5 J	12A	8233	A -13 6064
81		8.8A	55 53.732	0.0021	15	-12 13 17.92	0.009	17	0.31	53.698	18	33.6	18.07	16	33.6	G5 J	11	7783	A -12 6137
82		8.6A	56 4.685	0.0041	20	-19 50 54.47	-0.056	15	0.33	4.617	16	33.6	53.56	16	33.6	F8 J	13A	9373	A -20 6332
83		8.8A	56 6.397	0.0007	21	-15 22 8.29	-0.024	15	0.34	6.386	18	33.6	7.89	16	33.6	M4 J	12A	8234	A -15 6107
84		8.6A	56 20.020	-0.0008	15	-10 25 7.76	-0.011	17	0.31	20.032	18	33.6	7.58	16	33.6	K0 J	11	7785	A -10 5803
85		8.0A	56 20.776	-0.0025	15	-11 31 22.40	-0.120	17	0.31	20.818	18	33.6	20.43	16	33.6	K0 J	11	7786	A -11 5724
86		8.7A	56 21.505	0.0033	18	-19 33 42.05	-0.022	13	0.30	21.450	16	33.6	41.69	16	33.6	F8 J	13A	9374	A -20 6334
87		9.0A	56 24.348	0.0002	21	-15 22 59.72	0.006	15	0.34	24.344	18	33.6	59.82	16	33.6	K2 J	12A	8236	A -15 6109
88		8.5A	56 26.690	0.0028	15	-10 0 10.16	-0.031	17	0.31	26.645	18	33.6	9.65	16	33.6	K2 J	11	7787	A -10 5804
89		8.5A	56 27.865	-0.0004	21	-14 44 57.41	0.012	15	0.34	27.872	18	33.6	57.61	16	33.6	K0 J	12A	8237	A -15 6110
90		9.2A	56 31.583	0.0022	21	-15 53 26.00	-0.024	15	0.34	31.546	18	33.6	25.61	16	33.6	G0 J	12A	8238	A -16 5987
91		9.4A	56 34.069	-0.0007	21	-17 5 21.11	-0.030	15	0.34	34.080	18	33.6	20.62	16	33.6	G0 J	12A	8239	A -17 6411
92		8.8A	56 35.248	-0.0018	21	-15 19 24.49	-0.013	15	0.34	35.278	18	33.6	24.28	16	33.6	F0 J	12A	8240	A -15 6111
93		9.0A	56 36.277	-0.0013	13	-13 12 21.70	-0.021	15	0.29	36.297	18	33.6	21.35	16	33.6	K0 J	11	7788	A -13 6067
94		8.8A	56 41.270	0.0050	20	-17 33 0.00	-0.047	15	0.33	41.188	18	33.6	-59.24	16	33.6	G0 J	12B	9377	A -17 6412
95		8.1A	56 42.819	0.0013	20	-18 14 7.79	0.004	15	0.33	42.798	18	33.6	7.87	16	33.6	M3 J	12B	9378	A -18 6047
96		9.4A	56 50.216	0.0006	20	-18 26 25.50	-0.005	15	0.33	50.205	18	33.6	25.43	16	33.6	G5 J	12B	9379	A -18 6048
97		9.4A	56 55.495	0.0022	21	-16 33 53.68	0.011	15	0.34	55.460	18	33.6	53.86	16	33.6	F5 J	12A	8242	A -17 6414
98		9.0A	56 56.074	0.0018	21	-13 40 11.28	-0.007	15	0.34	56.045	18	33.6	11.17	16	33.6	K0 J	12A	8243	A -14 6181
99		8.0A	57 5.328	0.0031	13	-10 33 9.35	-0.063	15	0.29	5.277	18	33.6	8.32	16	33.6	F5 J	11	7790	A -11 5726
00		8.9A	57 24.011	0.0005	15	-12 56 29.99	0.041	17	0.31	24.002	18	33.6	30.66	16	33.6	F5 J	11	7791	A -13 6069

164800			EPOCH 1950									ORIGINAL EPOCH							SP.	SOURCE		-10° 21H
NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.		CAT.	STAR NUMBER	DM NUMBER
1		9.1A	21 57 29.171	-0.0002	18	-16 38 1.95	0.016	13	0.31	29.174	18	33.6	2.22	16	33.6	F5 J	12A	8244	A -17 6416
2		8.7A	57 31.254	0.0109	15	-12 27 50.67	-0.104	17	0.31	31.075	18	33.6	48.97	16	33.6	G5 J	11	7792	A -12 6143
3		7.8B	57 34.665	0.0010	10	-17 37 35.33	0.006	08	0.48	34.617	18	01.5	35.67	17	97.3	A5	GC	30778	-18 6052
4		9.4A	57 39.669	-0.0007	15	-12 14 4.96	-0.044	17	0.31	39.680	18	33.6	4.24	16	33.6	F8 J	11	7793	A -12 6145
5		8.8A	57 40.193	0.0062	15	-10 43 54.28	0.038	17	0.31	40.092	18	33.6	54.90	16	33.6	G0 J	11	7794	A -11 5729
6		8.8A	57 43.020	-0.0023	15	-13 5 38.34	-0.017	15	0.30	43.057	18	33.6	38.06	16	33.6	K2 J	11	7795	A -13 6070
7		9.0A	57 48.403	-0.0022	15	-13 10 29.47	0.065	17	0.31	48.438	18	33.6	30.53	16	33.6	F8 J	11	7796	A -13 6071
8		8.0A	57 56.082	0.0084	21	-14 24 17.60	-0.001	15	0.34	55.928	18	33.6	17.59	16	33.6	F5 J	12A	8246	A -14 6187
9		8.0A	57 56.088	-0.0001	21	-13 59 11.44	0.010	15	0.34	56.090	18	33.6	11.61	16	33.6	F0 J	12A	8247K	A -14 6188
10		9.0A	58 4.102	-0.0040	15	-11 40 9.37	-0.141	17	0.31	4.167	18	33.6	7.06	16	33.6	G0 J	11	7797	A -12 6147
11		7.1T	58 23.521	0.0002	10	-13 16 0.25	-0.113	08	0.45	23.510	09	00.5	54.46	10	98.7	F5	GC	30795	-13 6074
12		9.0A	58 26.723	-0.0004	18	-14 25 50.84	0.010	13	0.31	26.730	18	33.6	51.01	16	33.6	G5 J	12A	8248	A -14 6190
13		9.2A	58 27.201	-0.0013	21	-14 6 55.43	-0.010	15	0.34	27.223	18	33.6	55.27	16	33.6	K2 J	12A	8249	A -14 6191
14		8.8A	58 28.752	0.0070	20	-19 33 12.30	0.002	15	0.33	28.638	18	33.6	12.34	16	33.6	F8 J	13A	9385	A -20 6341
15		8.7A	58 31.466	0.0014	15	-11 55 5.27	0.001	17	0.31	31.445	18	33.6	3.29	15	33.6	F0 J	11	7799	A -12 6150
16		8.2B	58 34.325	-0.0019	10	-17 45 26.65	-0.017	08	0.49	34.420	17	00.1	25.74	17	95.2	K0	GC	30801K	B#-18 6053
17		7.8A	58 44.661	0.0005	21	-14 34 2.47	-0.042	15	0.34	44.653	18	33.6	1.78	16	33.6	K0 J	12A	8251	A -15 6119
18		9.4A	58 46.019	0.0006	21	-17 40 14.84	0.024	15	0.34	46.009	18	33.6	15.24	16	33.6	K0 J	12A	8250	A -18 6054
19		7.1T	58 49.578	0.0035	17	-15 51 11.96	-0.010	13	0.69	49.421	09	04.9	11.51	10	04.0	G5	GC	30808K	-16 5998
20		9.4B	58 59.805	0.0060	06	-12 13 58.15	-0.010	05	0.36	59.336	17	91.1	57.47	14	81.7	G5	GC	30810K	B#-12 6152
21		8.7A	59 0.903	0.0077	15	-12 14 7.46	0.031	17	0.31	0.777	18	33.6	7.97	16	33.6	G5 J	11	7801	A -12 6153
22		8.9A	59 1.912	0.0013	20	-17 41 47.51	-0.020	15	0.33	1.891	18	33.6	47.19	16	33.6	K0 J	12B	9389	A -18 6055
23		8.9A	59 6.286	0.0012	21	-17 1 6.73	-0.010	15	0.34	6.267	18	33.6	6.57	16	33.6	G0 J	12A	8254	A -17 6421
24		8.7A	59 9.649	-0.0024	21	-15 38 22.89	0.013	15	0.34	9.688	18	33.6	23.10	16	33.6	M4 J	12A	8255	A -16 6001
25		8.3A	59 10.742	0.0014	15	-10 6 58.20	0.025	17	0.31	10.719	18	33.6	58.61	16	33.6	G0 J	11	7802	A -10 5812
26		9.2A	59 26.820	0.0071	21	-15 13 4.56	0.053	15	0.34	26.703	18	33.6	5.43	16	33.6	G0 J	12A	8256	A -15 6121
27		6.4T	59 26.838	0.0081	03	-18 8 39.43	-0.055	04	0.17	26.464	05	03.8	36.96	06	04.8	G5	GC	30816	B#-18 6056
28		9.0A	59 36.660	0.0040	21	-14 35 1.19	-0.044	15	0.34	36.595	18	33.6	0.47	16	33.6	G0 J	12A	8257	A -15 6125
29		7.4B	59 42.278	0.0010	04	-17 12 24.16	0.002	04	0.25	42.217	09	87.3	24.30	10	88.5		GC	30822K	-17 6422
30		7.2B	59 42.543	0.0009	04	-17 12 21.87	0.004	04	0.24	42.492	09	92.0	22.13	09	90.0	A2	GC	30823K	B#-17 6422
31		9.0A	59 44.575	0.0051	21	-16 25 41.06	0.010	15	0.34	44.491	18	33.6	41.23	16	33.6	F8 J	12A	8260	A -16 6003
32	ZZ	9.2A	0 4.902	0.0034	13	-12 27 23.99	-0.232	15	0.29	4.846	18	33.6	20.19	16	33.6	G0 J	11	7804	A -12 6158
33		9.4A	0 6.430	0.0043	15	-10 53 57.48	-0.004	17	0.31	6.359	18	33.6	57.42	16	33.6	K0 J	11	7805	A -11 5735
34		8.7A	0 13.280	0.0048	20	-17 40 10.53	0.041	15	0.33	13.201	18	33.6	11.21	16	33.6	G5 J	12B	9392	A -18 6059
35		9.2A	0 21.303	-0.0031	15	-11 41 31.44	0.012	17	0.31	21.355	18	33.6	31.63	16	33.6	G0 J	11	7806	A -12 6160
36		9.0A	0 37.747	0.0025	21	-16 24 55.70	-0.006	15	0.34	37.705	18	33.6	55.60	16	33.6	G5 J	12A	8263	A -16 6005
37		8.1A	0 40.373	-0.0014	18	-15 11 38.29	0.003	13	0.31	40.396	18	33.6	38.34	16	33.6	K0 J	12A	8264	A -15 6129
38		9.2A	0 57.257	0.0025	20	-17 32 0.83	0.004	15	0.33	57.216	18	33.6	0.91	16	33.6	K2 J	12B	9395	A -17 6429
39		9.0A	1 2.591	-0.0004	21	-16 9 20.68	-0.035	15	0.34	2.598	18	33.6	20.11	16	33.6	K0 J	12A	8266	A -16 6009
40		7.4T	1 24.541	-0.0013	10	-13 15 44.95	-0.021	07	0.44	24.600	09	03.4	43.92	09	00.4	A0	GC	30854	-13 6065
41		8.3A	1 26.604	0.0086	18	-18 3 19.62	0.039	12	0.30	26.560	18	33.6	20.27	16	33.6	K0 J	12B	9397	A -18 6061
42		8.5A	1 28.886	0.0009	21	-16 24 19.81	-0.006	15	0.34	28.871	18	33.6	19.71	16	33.6	K0 J	12A	8267	A -16 6012
43		9.2A	1 39.570	-0.0084	21	-14 18 21.46	-0.004	15	0.34	39.609	18	33.6	21.40	16	33.6	K0 J	12A	8268	A -14 6203
44		8.2A	1 45.670	-0.0022	21	-14 41 24.45	-0.009	15	0.34	45.705	18	33.6	24.30	16	33.6	K2 J	12A	8269	A -15 6133
45		8.4A	1 59.698	-0.0046	15	-11 7 37.11	0.007	17	0.31	59.973	18	33.6	37.23	16	33.6	F5 J	11	7809	A -11 5742
46		9.4A	2 0.825	-0.0021	20	-17 47 51.95	0.027	12	0.31	0.859	18	33.6	52.40	16	33.6	K0 J	12B	9400	A -18 6063
47		8.7A	2 7.162	-0.0001	20	-19 19 7.39	-0.001	15	0.33	7.163	18	33.6	7.37	16	33.6	G5 J	12B	9401	A -19 6212
48		8.6A	2 14.594	0.0101	15	-13 14 12.67	-0.042	17	0.31	14.429	18	33.6	11.98	16	33.6	G0 J	11	7810	A -13 6091
49		9.1A	2 28.184	0.0001	20	-19 4 37.32	-0.007	15	0.33	28.182	18	33.6	37.20	16	33.6	G0 J	12B	9402	A -19 6214
50		9.1A	2 31.449	0.0019	20	-17 56 25.29	0.006	15	0.33	31.417	18	33.6	25.40	16	33.6	K0 J	12B	9403	A -18 6065
51	ZZ	9.2A	2 49.359	-0.0003	21	-14 0 49.78	0.003	15	0.34	49.364	18	33.6	49.84	16	33.6	B8 J	12A	8270	A -14 6205
52		8.9A	2 55.401	0.0064	13	-10 8 26.50	-0.025	13	0.28	55.296	18	33.6	26.09	16	33.6	G5 J	11	7811	A -10 5830
53		9.0A	3 1.051	0.0013	21	-15 6 53.97	0.016	15	0.34	1.029	18	33.6	54.23	16	33.6	K2 J	12A	8271	A -15 6137
54		8.3A	3 3.303	0.0014	20	-18 54 44.06	0.008	15	0.33	3.280	18	33.6	44.18	16	33.6	A3 J	12B	9404	A -19 6217
55		9.4A	3 6.741	-0.0008	18	-10 31 5.34	-0.003	20	0.35	6.755	18	33.6	5.29	16	33.6	F5 J	11	7812	A -10 5831
56		9.0A	3 9.546	0.0013	20	-19 10 29.53	0.037	15	0.33	9.525	18	33.6	30.13	16	33.6	K0 J	12B	9406	A -19 6218
57		9.2A	3 9.752	0.0006	20	-18 20 35.84	-0.011	15	0.33	9.742	18	33.6	35.67	16	33.6	G0 J	12B	9407	A -18 6069
58		9.4A	3 14.126	0.0039	18	-11 2 45.39	0.044	20	0.35	14.062	18	33.6	46.11	16	33.6	F8 J	11	7813	A -11 5747
59		8.5A	3 15.489	-0.0063	18	-16 14 35.14	-0.090	13	0.31	15.593	18	33.6	33.67	16	33.6	G0 J	12A	8272	A -16 6019
60		7.1T	3 30.030	0.0155	13	-15 8 24.31	0.010	13	0.63	29.310	10	03.6	24.78	10	03.0	F5	GC	30905	-15 6139
61		4.4H	3 44.306	0.0027	01	-14 6 46.98	-0.053	01	0.06	44.197	02	09.1	44.61	02	05.4	B8	F4	826	-14 6209
62		8.8A	3 46.413	0.0003	21	-14 19 53.90	-0.007	15	0.34	46.409	18	33.6	53.80	16	33.6	G5 J	12A	8275	A -14 6210
63		9.2A	3 51.388	0.0023	21	-16 53 43.41	0.025	15	0.34	51.351	18	33.6	43.62	16	33.6	A2 J	12A	8276	A -17 6439
64		8.8A	4 7.876	0.0001	15	-12 45 23.32	-0.013	17	0.31	7.874	18	33.6	23.11	16	33.6	K5 J	11	7814	A -13 6101
65		8.9A	4 12.596	0.0001	15	-10 39 10.36	-0.003	20	0.33	12.595	18	33.6	10.31	16	33.6	A5 J	11	7815	A -11 5751
66		7.0T	4 38.296	-0.0003	09	-10 41 30.01	-0.005	07	0.40	38.313	09	01.4	29.76	10	98.4	MB	GC	30930	-11 5756
67		8.0A	4 40.148	-0.0016	20	-19 48 51.66	-0.027	15	0.33	40.175	16	33.6	51.22	16	33.6	K0 J	13A	9409	A -20 6362
68		6.6T	4 52.990	0.0039	13	-14 44 6.30	-0.014	12	0.63	52.809	18	03.6	5.63	18	01.9	A0	GC	30938	-15 6143
69		8.9A	4 59.642	-0.0007	20	-19 55 56.62	0.020	15	0.33	59.654	16	33.6	56.95	16	33.6	K0 J	13A	9411	A -20 6364
70		7.5T	5 6.824	-0.0005	11	-10 19 22.55	-0.009	09	0.63	6.855	22	93.4	21.98	19	86.0	K0	GC	30946	-10 5837
71		8.4A	5 8.189	0.0006	20	-18 10 33.15	0.003	15	0.33	8.179	18	33.6	33.21	16	33.6	K0 J	12B	9413	A -18 6072
72		9.4A	5 9.094	0.0067	21	-17 12 18.69	0.027	15	0.34	8.984	18	33.6	19.14	16	33.6	G5 J	12A	8278K	A -17 6446
73		8.5A	5 9.367	-0.0020	18	-16 14 47.44	0.016	13	0.31	9.400	18	33.6	47.70	16	33.6	K5 J	12A	8279	A -16 6027
74		8.9A	5 10.786	-0.0001	18	-13 49 43.82	-0.066	13	0.31	10.788	18	33.6	42.75	16	33.6	K0 J	12A	8280	A -14 6214
75		9.3A	5 14.586	0.0025	21	-17 5 22.26	-0.024	15	0.34	14.546	18	33.6	21.68	16	33.6	F8 J	12A	8281	A -17 6447
76		9.3A	5 23.949	0.0009	18	-16 56 5.34	-0.009	13	0.31	23.935	18	33.6	5.19	16	33.6	G5 J	12A	8282	A -17 6449
77		9.3A	5 25.821	0.0020	13	-12 7 42.40	0.019	15	0.29	25.788	18	33.6	42.71	16	33.6	F8 J	11	7819	A -12 6183
78		8.8A	5 36.178	0.0007	18	-19 19 46.53	0.033	13	0.31	36.167	18	33.6	47.06	16	33.6	F5 J	12B	9415	A -19 6225
79		8.9A	5 36.531	-0.0003	15	-12 7 42.84	0.029	17	0.31	36.536	18	33.6	43.31	16	33.6	G5 J	11	7821	A -12 6184
80		7.4T	5 42.858	0.0023	08	-16 47 18.48	0.011	08	0.36	42.763	09	08.4	18.95	09	08.1	G5	GC	30963	-17 6451
81		9.2A	5 47.182	0.0049	21	-17 3 13.51	-0.041	15	0.34	47.102	18	33.6	12.84	16	33.6	G0 J	12A	8284	A -17 6452
82		9.1A	5 48.417	-0.0014	18	-16 51 26.14	-0.009	13	0.31	48.441	18	33.6	26.00	16	33.6	K2 J	12A	8285	A -17 6454
83		7.8A	5 53.698	0.0021	15	-11 51 31.57	-0.027	17	0.31	53.664	18	33.6	31.13	16	33.6	K0 J	11	7822	A -12 6185
84		9.0A	5 58.480	-0.0003	21	-14 53 22.66	0.009	15	0.34	58.485	18	33.6	22.81	16	33.6	K0 J	12A	8286	A -15 6150
85		6.9T	6 5.836	0.0071	11	-13 32 44.85	-0.007	09	0.53	5.481	18	00.1	44.50	15	96.8	F5	GC	30971	-14 6218
86		9.1A	6 8.496	-0.0029	15	-12 40 51.55	-0.080	17	0.31	8.543	18	33.6	50.24	16	33.6	G5 J	11	7825	A -13 6109
87		9.3A	6 13.905	0.0148	20	-18 8 32.32	0.168	15	0.33	13.663	18	33.6	35.08	16	33.6	G5 J	12B	9417	A -18 6076
88		5.7T	6 14.607	0.0001	03	-18 45 54.59	-0.009	02	0.15	14.603	07	01.3	54.10	07	96.6	B3	GC	30977	B#-19 6227
89		9.0A	6 24.588	-0.0009	15	-10 16 11.18	-0.073	17	0.31	24.603	18	33.6	9.98	16	33.6	F5 J	11	7826	A -10 5844
90		8.6A	6 28.157	0.0009	15	-10 46 16.99	-0.037	17	0.31	28.142	18	33.6	16.38	16	33.6	K0 J	11	7827	A -11 5765
91		7.8A	6 37.947	0.0001	15	-11 36 41.26	-0.027	15	0.30	37.946	18	33.6	40.82	16	33.6	K0 J	11	7828	A -12 6191
92		8.7A	6 43.840	0.0018	18	-18 41 47.36	0.008	13	0.31	43.810	18	33.6	47.48	16	33.6	A3 J	12B	9421	A -19 6232
93		9.0A	6 50.818	-0.0020	15	-13 11 16.51	-0.023	17	0.31	50.851	18	33.6	16.13	16	33.6	F8 J	11	7829	A -13 6115
94		9.2A	7 0.175	-0.0013	21	-13 51 0.74	-0.071	15	0.34	0.196	18	33.6	59.58	16	33.6	G5 J	12A	8288	A -14 6222
95		9.0A	7 1.185	-0.0000	21	-14 48 25.24	0.013	15	0.34	1.185	18	33.6	25.46	16	33.6	K0 J	12A	8289	A -15 6151
96		9.4A	7 2.736	0.0011	21	-13 22 40.67	0.007	15	0.34	2.718	18	33.6	40.78	16	33.6	G5 J	12A	8290	A -13 6116
97		8.2A	7 3.282	-0.0008	21	-14 8 14.80	-0.036	15	0.34	3.297	18	33.6	14.22	16	33.6	M2 J	12A	8291	A -14 6223
98		9.0A	7 6.549	0.0021	21	-15 22 4.42	0.035	15	0.34	6.515	18	33.6	4.99	16	33.6	G5 J	12A	8292	A -15 6152
99		9.1A	7 11.528	0.0037	20	-18 9 5.02	-0.020	15	0.33	11.467	18	33.6	4.70	16	33.6	F8 J	12B	9424	A -18 6077
00		9.3A	7 17.711	-0.0018	15	-11 18 0.96	0.016	15	0.30	17.741	18	33.6	1.22	16	33.6	G5 J	11	7831	A -11 5767

164900

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	EPOCH 1950 μ s	EPOCH 1950 σ_μ .001"	EPOCH 1950 δ_{1950} ° ′ ″	EPOCH 1950 μ' ″	EPOCH 1950 $\sigma_{\mu'}$ .001"	EPOCH 1950 σ_{1950} ″	ORIGINAL EPOCH α_2 s	ORIGINAL EPOCH σ .01"	ORIGINAL EPOCH ep.	ORIGINAL EPOCH δ_2 ″	ORIGINAL EPOCH σ' .01"	ORIGINAL EPOCH ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	-10° 22H DM NUMBER
1		8.2A	22 7 21.680	0.0006	20	-18 14 22.52	-0.013	15	0.33	21.670	18	33.6	22.74	16	33.6	K2 J	12B	9425	A -18 6078
2		9.0A	7 30.567	0.0007	21	-15 14 49.80	-0.012	15	0.34	30.555	18	33.6	49.60	16	33.6	K2 J	12A	8293	A -15 6156
3		9.1A	7 31.908	0.0039	15	-10 0 32.61	-0.037	17	0.31	31.844	18	33.6	32.00	16	33.6	F8 J	11	7832	A -10 5849
4		9.0A	7 35.418	-0.0010	15	-12 34 51.19	-0.063	17	0.31	35.434	18	33.6	52.22	16	33.6	G0 J	11	7833	A -13 6119
5		9.3A	7 36.978	0.0013	21	-16 1 36.42	-0.019	15	0.34	36.957	18	33.6	36.11	16	33.6	G5 J	12A	8294	A -16 6033
6		8.9A	7 38.862	-0.0013	17	-16 11 10.73	-0.101	12	0.29	38.884	18	33.6	9.08	16	33.6	G0 J	12A	8295	A -16 6034
7		7.0T	7 51.820	0.0034	04	-11 4 2.37	0.029	03	0.20	51.649	07	99.1	3.94	07	96.1	K0	GC	31017	B*-11 5770
8		9.1A	7 53.555	0.0065	17	-11 18 37.38	-0.056	17	0.32	53.449	18	33.6	36.46	16	33.6	G5 J	11	7836	A -11 5771
9		9.2A	7 55.038	0.0003	21	-14 0 21.05	-0.011	15	0.34	55.034	18	33.6	20.88	16	33.6	G5 J	12A	8296	A -14 6224
10		5.4T	7 57.179	0.0020	03	-11 48 41.98	0.012	03	0.14	57.080	06	01.7	42.56	06	01.9	B5	GC	31021	B*-12 6196
11		8.8A	8 5.882	-0.0002	15	-11 55 17.18	-0.034	17	0.31	5.884	18	33.6	16.62	16	33.6	F8 J	11	7838	A -12 6197
12		9.4A	8 14.607	-0.0110	21	-16 27 18.16	-0.100	15	0.34	14.787	18	33.6	16.52	16	33.6	G0 J	12A	8297	A -16 6037
13		9.2A	8 33.733	0.0015	15	-19 10 17.99	0.006	11	0.27	33.709	18	33.6	18.08	16	33.6	K0 J	12B	9431	A -19 6237
14		9.2A	8 42.034	0.0008	20	-18 54 54.06	-0.020	15	0.33	42.020	18	33.6	53.73	16	33.6	K2 J	12B	9432	A -19 6238
15		9.2A	8 43.526	0.0001	21	-13 28 19.73	0.000	15	0.34	43.525	18	33.6	19.73	16	33.6	G5 J	12A	8298	A -13 6124
16		8.6A	8 54.825	-0.0023	15	-11 16 27.11	-0.026	17	0.31	54.863	18	33.6	26.68	16	33.6	F8 J	11	7842	A -11 5775
17		9.2A	8 55.642	0.0012	20	-18 46 44.77	0.013	15	0.33	55.622	18	33.6	44.98	16	33.6	F0 J	12B	9433	A -19 6239
18		8.9A	8 55.692	0.0028	15	-11 35 53.19	-0.017	17	0.31	55.645	18	33.6	52.91	16	33.6	G0 J	11	7843	A -12 6201
19		8.3T	9 30.306	0.0007	09	-14 28 21.46	-0.021	08	0.48	30.270	22	00.5	22.64	17	94.9	F5	GC	31055	-14 6228
20		8.8A	9 32.147	-0.0014	15	-11 50 40.31	-0.021	17	0.31	32.170	18	33.6	39.97	16	33.6	A5 J	11	7845	A -12 6204
21		9.2A	9 34.241	0.0002	20	-18 22 31.67	0.005	15	0.33	34.238	18	33.6	31.76	16	33.6	K2 J	12B	9436	A -18 6083
22		7.4T	9 37.057	0.0008	05	-11 18 46.55	0.003	05	0.30	37.012	12	90.8	46.74	12	88.8	M0	GC	31058	-11 5777
23		6.2T	9 44.078	0.0017	03	-14 26 26.99	-0.039	03	0.18	43.992	07	99.9	24.96	07	97.4	F0	GC	31061	B*-14 6229
24		9.2A	9 52.590	-0.0015	21	-15 33 17.13	-0.034	15	0.34	52.615	18	33.6	16.57	16	33.6	G5 J	12A	8301	A -16 6040
25		8.5A	9 58.963	-0.0008	18	-10 40 25.54	0.009	20	0.35	58.977	18	33.6	25.69	16	33.6	A0 J	11	7848	A -11 5778
26		9.1A	9 59.230	0.0008	15	-11 39 32.84	0.000	17	0.31	59.217	18	33.6	32.84	16	33.6	M3 J	11	7847	A -12 6205
27		9.1A	10 7.574	-0.0036	21	-14 8 48.86	-0.015	15	0.34	7.633	18	33.6	48.62	16	33.6	K0 J	12A	8302	A -14 6231
28		9.2A	10 8.221	0.0021	21	-13 42 59.54	-0.124	15	0.34	8.187	18	33.6	57.52	16	33.6	G5 J	12A	8303	A -14 6232
29		8.6A	10 19.799	-0.0047	17	-13 16 27.46	-0.135	18	0.33	19.876	18	33.6	25.26	16	33.6	G5 J	11	7849	A -13 6130
30		8.8A	10 23.741	-0.0027	21	-16 52 10.11	0.014	15	0.34	23.786	18	33.6	10.34	16	33.6	F0 J	12A	8304	A -17 6463
31		7.9A	10 24.785	-0.0000	21	-14 7 7.08	-0.012	15	0.34	24.786	18	33.6	6.89	16	33.6	K0 J	12A	8305	A -14 6233
32		9.2A	10 36.094	-0.0007	21	-16 12 16.98	-0.031	15	0.34	36.106	18	33.6	16.48	16	33.6	G0 J	12A	8306	A -16 6043
33		9.0A	10 41.060	0.0000	15	-13 15 32.46	-0.014	17	0.31	41.060	18	33.6	32.23	16	33.6	K0 J	11	7852	A -13 6132
34		9.3A	10 41.356	0.0027	20	-17 28 44.14	-0.014	15	0.33	41.312	18	33.6	43.92	16	33.6	K2 J	12B	9443	A -17 6464
35		7.1T	10 46.068	0.0017	04	-12 10 26.50	-0.018	04	0.23	45.978	10	98.3	25.54	10	96.3	G5	GC	31084	B*-12 6209
36		9.0A	10 54.079	0.0017	15	-11 32 26.38	-0.029	17	0.31	54.051	18	33.6	25.90	16	33.6	F8 J	11	7854	A -12 6210
37		9.0A	10 58.542	0.0003	20	-18 42 10.71	0.019	15	0.33	58.536	18	33.6	11.02	16	33.6	G5 J	12B	9444	A -19 6246
38		8.9A	11 7.473	-0.0031	17	-12 56 53.45	0.017	18	0.33	7.524	18	33.6	53.73	16	33.6	K2 J	11	7855	A -13 6136
39		9.4A	11 9.371	0.0020	21	-15 11 17.60	-0.005	15	0.34	9.338	18	33.6	17.52	16	33.6	F8 J	12A	8308	A -15 6168
40		8.8A	11 15.306	0.0007	18	-11 50 15.50	0.001	20	0.35	15.294	18	33.6	15.52	16	33.6	K0 J	11	7856	A -12 6212
41		9.0A	11 25.895	-0.0026	21	-16 26 3.09	-0.042	15	0.34	25.938	18	33.6	2.40	16	33.6	F0 J	12A	8309	A -16 6044
42		7.1T	11 36.079	0.0016	11	-19 29 48.41	-0.044	11	0.47	36.011	09	07.7	46.56	10	08.1	F5	GC	31101	-19 6249
43		9.0A	11 41.391	-0.0002	21	-16 51 26.18	-0.011	15	0.34	41.395	18	33.6	26.01	16	33.6	G0 J	12A	8310	A -17 6468
44		9.2A	11 48.452	-0.0038	21	-15 49 26.88	-0.105	15	0.34	48.514	18	33.6	25.16	16	33.6	G5 J	12A	8311	A -16 6045
45		8.3A	11 50.208	-0.0002	15	-12 30 10.44	0.029	17	0.31	50.211	18	33.6	10.91	16	33.6	G5 J	11	7857	A -12 6218
46		9.0A	11 50.874	0.0006	20	-17 59 37.59	0.017	15	0.33	50.864	18	33.6	37.88	16	33.6	K0 J	12B	9451	A -18 6087
47		8.7A	11 54.053	-0.0002	15	-11 31 5.88	-0.004	17	0.31	54.055	18	33.6	5.82	16	33.6	K0 J	11	7858	A -11 5785
48		7.0T	11 55.260	-0.0021	14	-15 20 58.17	-0.097	11	0.59	55.351	17	06.9	53.67	17	03.6	F2	GC	31108	-15 6169
49		6.6H	11 55.888	-0.0003	02	-16 3 44.63	-0.356	03	0.09	55.899	04	16.8	34.07	04	20.3	G5	F4	1582	-16 6046
50		9.1A	11 58.743	-0.0008	15	-11 33 46.37	-0.010	17	0.31	58.757	18	33.6	46.20	16	33.6	A2 J	11	7859	A -12 6219
51		8.8A	22 12 0.698	0.0032	20	-18 56 29.11	0.029	15	0.33	0.646	18	33.6	29.58	16	33.6	G5 J	12B	9452	A -19 6250
52		8.6A	12 2.102	0.0001	21	-15 57 0.77	-0.042	15	0.34	2.100	18	33.6	0.08	16	33.6	K2 J	12A	8314	A -16 6047
53		9.2A	12 7.077	0.0008	20	-19 2 47.13	0.024	15	0.33	7.063	18	33.6	47.52	16	33.6	G0 J	12B	9454	A -19 6251
54		9.2A	12 15.536	0.0021	20	-17 23 36.38	-0.024	15	0.33	15.501	18	33.6	35.99	16	33.6	G0 J	12B	9455	A -17 6469
55		9.1A	12 22.581	0.0046	15	-10 16 45.98	-0.034	17	0.31	22.506	18	33.6	45.42	16	33.6	G5 J	11	7860	A -10 5871
56		8.0A	12 26.580	-0.0017	20	-19 55 38.76	-0.028	15	0.33	26.608	18	33.6	38.30	16	33.6	G0 J	13A	9457	A -20 6393
57		9.1A	12 38.400	-0.0027	15	-12 59 25.08	-0.024	17	0.31	38.444	18	33.6	24.69	16	33.6	G0 J	11	7861	A -13 6140
58		8.8A	12 48.946	-0.0024	20	-19 53 23.30	-0.031	15	0.33	48.986	18	33.6	22.80	16	33.6	G0 J	13A	9458	A -20 6394
59		9.0A	12 51.238	-0.0010	15	-10 21 44.90	-0.134	15	0.30	51.255	18	33.6	42.71	16	33.6	G0 J	11	7862	A -10 5873
60		9.1A	13 0.386	0.0114	20	-18 23 30.49	-0.148	15	0.33	0.198	18	33.6	28.07	16	33.6	K0 J	12B	9460	A -18 6093
61		9.1A	13 9.324	0.0044	21	-13 29 18.14	-0.019	15	0.34	9.252	18	33.6	17.83	16	33.6	G0 J	12A	8316	A -13 6145
62		7.9A	13 19.241	0.0023	21	-14 41 7.51	0.010	15	0.34	19.203	18	33.6	7.68	16	33.6	K0 J	12A	8317	A -15 6174
63		9.1A	13 21.842	-0.0014	21	-16 13 49.33	0.021	15	0.34	21.865	18	33.6	49.68	16	33.6	F2 J	12A	8318	A -16 6050
64		9.2A	13 26.650	0.0032	21	-14 35 38.57	0.018	15	0.34	26.597	18	33.6	38.87	16	33.6	K0 J	12A	8319	A -15 6175
65		9.2A	13 27.184	0.0005	20	-17 45 54.54	-0.011	15	0.33	27.175	18	33.6	54.37	16	33.6	F5 J	12B	9464	A -18 6094
66		8.5Q	13 33.528	0.0016	13	-17 27 17.66	0.006	09	0.54	33.456	10	04.1	17.96	10	02.4	A0	GC	31140	-17 6478
67		8.1A	13 37.350	-0.0002	20	-19 54 36.99	-0.024	15	0.33	37.354	18	33.6	36.60	16	33.6	K2 J	13A	9466	A -20 6399
68		8.4A	13 43.969	0.0045	21	-14 17 40.62	-0.003	15	0.34	43.896	18	33.6	40.58	16	33.6	G5 J	12A	8321	A -14 6242
69		8.9A	13 48.634	-0.0003	15	-11 54 55.45	-0.032	17	0.31	48.639	18	33.6	54.92	16	33.6	K0 J	11	7865	A -12 6224
70		8.8A	14 2.485	-0.0003	15	-11 26 31.20	-0.045	15	0.30	2.490	18	33.6	30.46	16	33.6	F8 J	11	7866	A -11 5791
71		8.8A	14 3.453	0.0026	15	-10 46 6.86	-0.020	17	0.31	3.411	18	33.6	6.53	16	33.6	K0 J	11	7867	A -11 5792
72		8.2A	14 3.623	0.0018	21	-15 12 47.04	0.020	15	0.34	3.593	18	33.6	47.36	16	33.6	G5 J	12A	8322	A -15 6178
73		7.8A	14 5.379	0.0035	15	-11 53 55.15	-0.032	17	0.31	5.321	18	33.6	54.62	16	33.6	G5 J	11	7868	A -12 6227
74		5.5T	14 7.520	0.0008	03	-13 4 55.41	0.009	03	0.18	7.475	07	96.5	53.93	07	93.3	K0	GC	31150	B*-13 6148
75		8.7A	14 8.024	0.0053	21	-16 38 3.55	0.004	15	0.34	7.937	18	33.6	3.62	16	33.6	F8 J	12A	8323	A -17 6480
76		8.8A	14 9.991	0.0027	15	-13 16 12.93	-0.006	17	0.31	9.946	18	33.6	12.84	16	33.6	F5 J	11	7870	A -13 6149
77		9.0A	14 13.923	0.0025	21	-15 25 52.98	0.005	15	0.34	13.882	18	33.6	53.06	16	33.6	G0 J	12A	8325	A -15 6179
78		8.9A	14 14.269	-0.0013	21	-17 14 2.49	-0.015	15	0.34	14.290	18	33.6	2.25	16	33.6	F0 J	12A	8324	A -17 6481
79		7.1T	14 14.966	0.0009	28	-14 54 23.85	-0.007	12	1.01	14.925	10	04.7	23.53	12	03.6	F8	GC	31156	-15 6180
80		8.5A	14 27.815	-0.0015	18	-14 26 33.11	-0.005	13	0.31	27.839	18	33.6	33.04	16	33.6	K0 J	12A	8327	A -14 6245
81		9.2A	14 33.173	0.0013	21	-14 24 28.79	-0.001	15	0.34	33.152	18	33.6	28.78	16	33.6	M1 J	12A	8328	A -14 6247
82		8.6A	14 39.897	0.0005	21	-16 17 18.60	0.016	15	0.34	39.888	18	33.6	18.86	16	33.6	K0 J	12A	8329	A -16 6056
83		9.1A	14 44.312	0.0002	18	-11 31 15.33	-0.048	20	0.35	44.309	18	33.6	14.54	16	33.6	F8 J	11	7871	A -11 5797
84		7.1A	14 44.865	0.0018	21	-16 13 48.18	0.013	15	0.34	44.836	18	33.6	48.39	16	33.6	K0 J	12A	8330	A -16 6057
85		8.4A	14 49.202	0.0021	18	-10 24 44.56	0.018	12	0.30	49.168	18	33.6	44.85	16	33.6	G5 J	12B	9468	A -18 6096
86		8.6A	14 58.177	-0.0005	15	-12 29 20.41	-0.032	17	0.31	58.185	18	33.6	20.93	16	33.6	F5 J	11	7872	A -12 6231
87		9.0A	15 5.599	-0.0025	21	-16 10 58.88	0.026	15	0.34	5.599	18	33.6	59.31	16	33.6	G5 J	12A	8331	A -16 6058
88		8.9A	15 22.463	0.0003	20	-18 13 57.06	-0.011	15	0.33	22.457	18	33.6	56.89	16	33.6	F8 J	12B	9471	A -18 6099
89		8.4A	15 24.513	0.0002	21	-14 44 54.12	0.004	15	0.34	24.510	18	33.6	54.19	16	33.6	K2 J	12A	8332	A -15 6185
90		8.8A	15 49.010	0.0027	21	-15 15 50.39	0.021	15	0.34	48.965	18	33.6	50.73	16	33.6	G5 J	12A	8334	A -15 6188
91		9.2A	15 49.240	0.0047	21	-15 54 32.74	-0.018	15	0.34	49.162	18	33.6	32.45	16	33.6	K5 J	12A	8333	A -16 6060
92		9.0A	15 54.087	0.0042	21	-14 53 9.78	0.190	15	0.34	54.019	18	33.6	12.89	16	33.6	G5 J	12A	8335	A -15 6189
93		9.0A	15 55.540	0.0001	15	-12 20 35.45	0.023	17	0.31	55.537	18	33.6	35.83	16	33.6	G0 J	11	7874	A -12 6235
94		8.2A	16 15.641	0.0008	15	-11 48 29.74	0.034	17	0.31	15.628	18	33.6	30.30	16	33.6	K0 J	11	7876	A -12 6236
95		9.2A	16 16.581	0.0136	21	-16 36 53.27	-0.086	15	0.34	16.359	18	33.6	51.87	16	33.6	G5 J	12A	8336	A -17 6487
96		6.1T	16 19.839	0.0052	02	-13 33 21.87	-0.009	03	0.15	19.578	06	00.0	21.42	07	97.4	K0	GC	31199	B*-14 6255
97		8.8Q	16 38.445	0.0024	10	-11 2 29.86	0.019	06	0.41	38.342	17	06.2	30.86	18	97.6	K2	GC	31206	-11 5807
98		7.4T	16 51.836	0.0035	08	-16 57 16.46	-0.073	07	0.32	51.692	09	08.5	13.32	09	07.0	F8	GC	31214	-17 6491
99		8.5A	16 53.716	-0.0019	15	-12 10 5.00	-0.013	17	0.31	53.747	18	33.6	4.79	16	33.6	F8 J	11	7879	A -12 6240
00		8.6A	16 56.816	0.0007	21	-14 33 48.64	-0.027	15	0.34	56.805	18	33.6	48.20	16	33.6	A5 J	12A	8339	A -15 6192

165000

EPOCH 1950 — ORIGINAL EPOCH — SOURCE — -10° 22H

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	CAT.	STAR NUMBER	DM NUMBER
1		8.5A	22 16 57.937	0.0003	15	-10 3 6.91	-0.001	17	0.31	57.933	18	33.6	6.89	16	33.6	KO J	11	7880	A -10 5885
2		8.9A	16 58.206	0.0021	21	-15 46 45.13	0.006	15	0.34	58.172	18	33.6	45.23	16	33.6	K2 J	12A	8340	A -16 6063
3		9.4A	17 6.518	-0.0012	21	-14 25 18.98	0.003	15	0.34	6.538	18	33.6	17.04	16	33.6	F8 J	12A	8341	A -14 6258
4		9.1A	17 14.317	0.0003	17	-17 42 56.45	0.012	12	0.29	14.312	18	33.6	56.66	16	33.6	K0 J	12B	9481	A -18 6103
5		9.0A	17 28.034	0.0007	21	-15 32 5.25	0.022	15	0.34	26.822	18	33.6	5.61	16	33.6	A0 J	12A	8342	A -16 6065
6		9.0A	17 27.276	-0.0020	21	-15 1 34.05	-0.044	15	0.34	27.309	18	33.6	33.33	16	33.6	G0 J	12A	8343	A -15 6195
7		8.3A	17 36.115	0.0031	13	-12 28 23.85	-0.016	15	0.29	36.084	18	33.6	23.68	16	33.6	K0 J	11	7881	A -12 6243
8		9.2A	17 36.896	-0.0051	17	-12 10 5.78	-0.071	18	0.33	36.813	18	33.6	4.62	16	33.6	G0 J	11	7882	A -12 6244
9		9.3A	17 45.558	-0.0028	21	-16 49 54.72	-0.067	15	0.34	45.604	18	33.6	53.63	16	33.6	G0 J	12A	8344	A -17 6496
10		9.1A	17 47.183	0.0007	15	-10 28 44.47	0.025	17	0.31	47.172	18	33.6	44.88	16	33.6	K5 J	11	7883	A -10 5886
11		8.9A	17 47.847	0.0011	20	-19 27 18.95	-0.010	15	0.33	47.229	18	33.6	18.78	16	33.6	G5 J	13A	9482	A -19 6282
12		8.7A	17 48.005	-0.0028	21	-14 49 23.02	-0.018	15	0.34	48.703	18	33.6	22.73	16	33.6	F0 J	12A	8345	A -15 6196
13		8.8A	0.792	0.0036	13	-12 30 49.37	-0.002	13	0.28	0.735	18	33.6	49.33	16	33.6	K0 J	11	7884	A -12 6246
14		9.0A	8.130	0.0021	21	-14 13 49.97	-0.006	15	0.34	8.086	18	33.6	49.85	16	33.6	F8 J	12A	8346	A -14 6262
15		9.3A	15.505	0.0040	21	-15 50 3.16	0.005	15	0.34	15.437	18	33.6	3.25	16	33.6	F8 J	12A	8347	A -14 6264
16		8.6A	18 19.618	0.0022	21	-15 10 14.75	0.014	15	0.34	19.581	18	33.6	14.98	16	33.6	G5 J	12A	8348	A -15 6197
17		9.0A	18 35.739	0.0035	21	-15 13 33.89	-0.006	15	0.34	35.682	18	33.6	33.79	16	33.6	K0 J	12A	8349	A -15 6198
18		9.0A	18 42.711	-0.0003	18	-12 26 17.03	-0.017	20	0.35	42.716	18	33.6	16.75	16	33.6	K2 J	11	7885	A -12 6251
19		8.0A	18 52.378	0.0018	21	-14 42 33.63	-0.014	15	0.34	52.349	18	33.6	33.40	16	33.6	K2 J	12A	8350	A -15 6200
20		9.4A	18 58.931	0.0017	17	-12 53 5.85	-0.061	18	0.33	58.903	18	33.6	4.85	16	33.6	G5 J	11	7886	A -13 6169
21		8.1A	19 3.209	0.0023	15	-12 48 18.36	0.001	17	0.31	3.171	18	33.6	18.38	16	33.6	M4 J	11	7887	A -13 6170
22		9.3A	9.846	0.0003	15	-11 27 48.39	-0.004	17	0.31	9.842	18	33.6	48.33	16	33.6	K0 J	11	7888	A -11 5815
23		7.8A	16.267	-0.0043	20	-19 41 14.57	-0.063	15	0.33	16.337	18	33.6	13.54	16	33.6	G0 J	13A	9489	A -20 6411
24		9.2A	27.025	-0.0007	18	-15 7 8.41	-0.018	13	0.31	27.036	18	33.6	8.11	16	33.6	G5 J	12A	8351	A -15 6202
25		7.9G	32.508	-0.0026	07	-11 6 2.94	-0.024	07	0.36	32.635	09	02.1	1.79	10	01.8	K0	GC	31268	-11 5817
26		9.2A	19 37.861	0.0001	21	-16 56 19.48	-0.044	15	0.34	37.860	18	33.6	18.76	16	33.6	G5 J	12A	8352	A -17 6504
27		8.9A	19 40.790	0.0021	18	-15 42 16.51	0.071	13	0.31	40.756	18	33.6	17.67	16	33.6	G0 J	12A	8353	A -16 6089
28		9.2A	19 52.191	0.0012	21	-15 36 11.49	-0.009	15	0.34	52.171	18	33.6	11.34	16	33.6	K2 J	12A	8355	A -16 6071
29		8.7A	19 55.373	0.0005	20	-19 36 10.10	0.013	15	0.33	55.365	18	33.6	10.32	16	33.6	G5 J	13A	9491	A -20 6414
30		8.8A	20 9.495	0.0019	15	-11 29 33.38	0.000	17	0.31	9.464	18	33.6	33.38	16	33.6	F0 J	11	7891	A -11 5818
31		8.4A	20 27.353	0.0009	21	-14 27 52.62	0.017	15	0.34	27.338	18	33.6	52.91	16	33.6	A3 J	12A	8356	A -14 6269
32		7.1T	28 39.333	-0.0036	09	-15 12 6.51	-0.147	08	0.43	39.507	09	01.6	59.16	10	00.0	F5	GC	31299	-15 6208
33		8.9A	28 48.907	-0.0020	20	-19 57 5.93	0.007	15	0.33	48.940	18	33.6	6.05	16	33.6	K2 J	13A	9493	A -20 6416
34		9.0A	28 51.476	-0.0029	21	-16 13 9.75	-0.016	15	0.34	51.523	18	33.6	9.49	16	33.6	F8 J	12A	8358	A -16 6075
35		8.5A	28 56.091	-0.0018	21	-15 50 17.20	-0.037	15	0.34	56.120	18	33.6	16.59	16	33.6	K2 J	12A	8359	A -16 6076
36		9.0A	21 2.575	-0.0011	21	-14 33 52.73	0.024	15	0.34	2.592	18	33.6	53.13	16	33.6	K0 J	12A	8360	A -15 6209
37		9.4A	21 15.587	0.0017	20	-17 30 34.42	0.011	15	0.33	15.558	18	33.6	34.61	16	33.6	F0 J	12B	9496	A -17 6511
38		8.9A	21 16.902	-0.0016	15	-11 8 19.60	-0.024	17	0.31	16.929	18	33.6	19.21	16	33.6	K0 J	11	7893	A -11 5821
39		9.1A	21 23.411	0.0015	21	-15 22 30.10	-0.016	15	0.34	23.387	18	33.6	29.84	16	33.6	G5 J	12A	8362	A -15 6211
40		8.7A	21 28.053	0.0037	15	-11 26 21.55	0.041	17	0.31	27.993	18	33.6	22.22	16	33.6	K0 J	11	7895	A -11 5822
41		9.4A	21 28.457	0.0083	21	-13 36 9.27	-0.092	15	0.34	28.321	18	33.6	7.77	16	33.6	M0 J	12A	8363	A -14 6274
42		7.3T	28.968	-0.0032	09	-10 27 4.18	-0.024	07	0.39	29.113	09	05.3	3.06	10	03.1	K0	GC	31306	-10 5904
43		9.0A	21 36.303	0.0022	21	-15 40 46.38	-0.009	15	0.34	36.267	18	33.6	46.24	16	33.6	F5 J	12A	8364	A -16 6077
44		5.9T	46.442	0.0032	02	-13 47 0.79	0.013	02	0.11	46.295	04	04.3	1.43	04	02.3	G5	GC	31317	B#-14 6276
45		9.0A	21 47.586	-0.0004	20	-13 26 56.65	-0.010	11	0.31	47.593	18	33.6	56.48	16	33.6	G5 J	12A	8366	A -13 6177
46		8.6A	21 50.086	0.0023	18	-10 3 14.60	0.010	20	0.35	50.029	18	33.6	14.76	16	33.6	K0 J	11	7898	A -10 5905
47		7.4A	21 51.138	-0.0009	20	-17 50 48.98	-0.010	15	0.33	51.152	18	33.6	48.83	16	33.6	K2 J	12B	9498	A -18 6114
48		8.4A	21 51.704	0.0001	15	-11 24 36.17	-0.010	17	0.31	51.703	18	33.6	36.01	16	33.6	K2 J	11	7899	A -11 5823
49		8.1A	21 52.819	0.0003	21	-13 26 19.10	-0.023	15	0.34	52.814	18	33.6	18.72	16	33.6	M2 J	12A	8367	A -13 6178
50		9.3A	21 53.008	0.0026	17	-10 12 16.36	-0.045	18	0.33	52.966	18	33.6	15.62	16	33.6	K0 J	11	7901	A -10 5906
51		8.9A	22 1.704	-0.0031	18	-19 50 57.12	-0.005	13	0.30	1.755	18	33.6	57.04	16	33.6	F8 J	13A	9499	A -20 6420
52		9.2A	2.980	0.0029	16	-13 28 7.06	-0.019	13	0.31	2.933	18	33.6	6.77	16	33.6	K5 J	12A	8368	A -13 6179
53		8.4A	3.992	0.0023	18	-13 12 42.15	-0.066	20	0.35	3.955	18	33.6	41.07	16	33.6	K0 J	11	7903	A -13 6180
54		8.6A	9.833	-0.0008	15	-11 38 31.21	0.021	17	0.31	9.847	18	33.6	31.56	16	33.6	F2 J	11	7908	A -12 6260
55		9.0A	22 10.521	0.0022	21	-17 20 1.99	0.000	15	0.34	10.485	18	33.6	1.99	16	33.6	G5 J	12A	8369	A -17 6515
56		8.7A	22 15.453	0.0016	15	-12 38 13.29	-0.023	17	0.31	15.427	18	33.6	12.91	16	33.6	K0 J	11	7907	A -13 6162
57		8.8A	22 23.075	0.0117	21	-14 15 7.20	-0.054	15	0.34	22.883	18	33.6	6.32	16	33.6	G0 J	12A	8370	A -14 6277
58		8.9A	22 27.523	0.0038	17	-13 15 23.63	0.020	18	0.33	27.461	18	33.6	24.16	16	33.6	G5 J	11	7908	A -13 6183
59		9.2A	22 30.031	0.0013	20	-19 10 40.29	0.019	15	0.33	30.010	18	33.6	40.59	16	33.6	K0 J	12B	9500	A -19 6270
60		8.9A	22 40.740	-0.0000	15	-11 26 6.75	-0.034	15	0.30	40.740	18	33.6	6.20	16	33.6	G0 J	11	7909	A -11 5826
61		9.0A	22 43.633	0.0055	17	-12 19 52.52	-0.001	18	0.33	43.543	18	33.6	52.50	16	33.6	F8 J	11	7910	A -12 6262
62		8.8A	22 49.849	-0.0010	21	-15 51 12.56	0.020	15	0.34	49.866	18	33.6	12.89	16	33.6	F5 J	12A	8371	A -16 6081
63		8.5A	22 51.493	-0.0024	18	-12 9 45.49	-0.013	20	0.35	51.533	18	33.6	45.28	16	33.6	F0 J	11	7911	A -12 6264
64		9.1A	22 56.754	-0.0113	15	-11 25 45.92	-0.062	17	0.31	56.939	18	33.6	44.90	16	33.6	G0 J	11	7912	A -11 5829
65		8.0A	23 2.693	-0.0031	21	-15 36 42.00	-0.006	15	0.34	2.944	18	33.6	41.90	16	33.6	G5 J	12A	8372	A -16 6082
66		8.6A	23 18.763	-0.0000	21	-15 12 22.81	-0.005	15	0.34	18.764	18	33.6	22.73	16	33.6	G5 J	12A	8373	A -15 6221
67		8.8A	23 21.695	-0.0056	20	-18 36 37.41	-0.019	15	0.33	21.986	18	33.6	37.09	16	33.6	F8 J	12B	9506	A -19 6273
68		8.9A	23 26.423	-0.0011	20	-17 46 25.66	-0.068	15	0.33	26.440	18	33.6	24.56	16	33.6	F8 J	12B	9507	A -18 6118
69		8.7A	23 28.562	-0.0018	15	-13 3 18.54	-0.029	15	0.30	28.592	18	33.6	18.06	16	33.6	F5 J	11	7913	A -13 6187
70		8.2A	23 35.011	-0.0022	18	-12 16 20.26	-0.029	20	0.35	35.046	18	33.6	19.79	16	33.6	K0 J	11	7914	A -12 6269
71		9.1A	23 34.535	0.0015	21	-17 35 54.77	0.005	15	0.34	34.511	18	33.6	54.86	16	33.6	K2 J	12A	8374	A -16 6120
72		8.7A	23 34.606	0.0039	20	-18 49 5.28	0.035	15	0.33	34.542	18	33.6	5.85	16	33.6	F2 J	12B	9508	A -19 6275
73		8.0A	23 35.341	0.0056	18	-18 15 51.48	-0.101	12	0.30	35.249	18	33.6	49.83	16	33.6	G0 J	12B	9510	A -18 6115
74		8.8A	23 44.995	0.0014	21	-14 22 11.79	-0.034	15	0.34	44.972	18	33.6	11.24	16	33.6	K5 J	12A	8375	A -14 6283
75		8.9A	23 45.346	0.0033	20	-17 46 32.31	-0.003	15	0.33	45.292	18	33.6	32.27	16	33.6	G0 J	12B	9511	A -18 6121
76		9.1A	23 46.334	0.0021	15	-10 15 17.50	0.032	15	0.30	46.300	18	33.6	18.02	16	33.6	G5 J	11	7915	A -10 5916
77		6.6T	23 51.382	0.0181	03	-16 59 46.26	-0.010	03	0.16	50.498	07	01.1	45.78	07	00.9	G0	GC	31348K	B#-17 6520
78		6.4T	23 51.659	0.0154	03	-16 59 50.22	0.000	04	0.22	50.750	09	90.8	50.24	09	90.6	G0	GC	31349K	B#-17 6521
79		7.0T	24 2.380	0.0026	05	-11 28 58.89	-0.008	03	0.19	2.388	07	99.8	58.48	09	98.1	A5	GC	31353	B#-11 5833
80		8.6A	24 9.724	-0.0018	18	-11 36 16.77	0.000	20	0.35	9.753	18	33.6	16.77	16	33.6	M2 J	11	7917	A -12 6271
81		8.9A	24 10.249	0.0005	15	-10 52 50.59	-0.002	17	0.31	10.241	18	33.6	50.56	16	33.6	K0 J	11	7918	A -11 5834
82		9.2A	24 13.828	0.0044	21	-16 52 51.60	0.029	15	0.34	13.756	18	33.6	52.08	16	33.6	F8 J	12A	8376	A -17 6525
83		9.2A	24 15.734	0.0022	20	-18 2 9.31	0.004	15	0.33	15.699	18	33.6	9.39	16	33.6	K0 J	12B	9514	A -18 6126
84		9.1A	24 17.737	-0.0012	18	-12 10 19.02	-0.062	20	0.35	17.757	18	33.6	18.00	16	33.6	F8 J	11	7919	A -12 6272
85		8.5A	24 19.298	0.0015	18	-19 35 40.34	-0.033	13	0.30	19.273	18	33.6	39.80	16	33.6	K2 J	13A	9515	A -20 6427
86		7.7A	24 21.239	-0.0053	20	-17 31 2.38	-0.092	15	0.33	21.326	18	33.6	0.86	16	33.6	G5 J	12B	9517	A -17 6526
87		8.9A	24 21.672	-0.0008	18	-10 11 56.94	-0.001	20	0.35	21.686	18	33.6	56.92	16	33.6	G5 J	11	7920	A -10 5918
88		9.0A	24 29.469	0.0068	20	-19 31 2.73	-0.094	15	0.33	28.358	18	33.6	1.20	16	33.6	G0 J	13A	9518	A -20 6428
89		8.8A	24 29.984	0.0008	20	-19 41 53.30	-0.005	15	0.33	28.881	18	33.6	53.22	16	33.6	A2 J	13A	9519	A -20 6430
90		9.0A	24 34.882	0.0033	18	-12 43 49.40	-0.079	20	0.35	34.837	18	33.6	48.11	16	33.6	G0 J	11	7921	A -13 6192
91		9.1A	24 37.902	-0.0005	18	-11 5 57.11	0.004	20	0.35	37.910	18	33.6	57.18	16	33.6	M0 J	11	7922	A -11 5835
92		9.1A	24 38.808	-0.0015	21	-14 24 29.62	-0.058	15	0.34	38.830	18	33.6	28.68	16	33.6	A2 J	12A	8380	A -14 6286
93		9.1A	24 42.692	0.0007	20	-17 55 38.61	-0.005	15	0.33	42.681	18	33.6	38.54	16	33.6	G5 J	12B	9520	A -18 6128
94		8.5A	24 48.425	0.0027	15	-12 31 36.79	0.007	17	0.31	48.386	18	33.6	36.90	16	33.6	K0 J	11	7923	A -13 6193
95		9.1A	24 55.402	0.0026	18	-13 18 57.70	-0.011	20	0.35	55.359	18	33.6	57.52	16	33.6	G5 J	11	7924	A -13 6194
96		8.9A	25 1.597	0.0007	17	-12 32 22.82	-0.052	18	0.33	1.586	18	33.6	21.98	16	33.6	K2 J	11	7925	A -13 6196
97		8.8A	25 21.434	0.0012	20	-18 23 29.03	-0.024	15	0.33	21.413	18	33.6	28.65	16	33.6	G5 J	12B	9523	A -18 6130
98		8.5A	25 28.928	0.0016	15	-12 8 46.32	0.012	15	0.30	28.899	18	33.6	46.51	16	33.6	F5 J	11	7927	A -12 6274
99		9.2A	25 43.639	0.0006	21	-15 6 23.42	-0.007	15	0.34	43.629	18	33.6	23.30	16	33.6	K2 J	12A	8382	A -15 6228
00		8.7A	25 52.071	0.0012	17	-11 36 51.93	-0.008	18	0.33	52.051	18	33.6	51.80	16	33.6	K0 J	11	7928	A -12 6275

165100

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	EPOCH 1950 μ_s s	EPOCH 1950 σ_{μ_s} ″.001	EPOCH 1950 δ_{1950} ° ′ ″	EPOCH 1950 μ'_δ ″	EPOCH 1950 $\sigma_{\mu'_\delta}$ ″.001	EPOCH 1950 σ_{1950} ″	ORIGINAL EPOCH α_2 s	ORIGINAL EPOCH σ ″.01	ORIGINAL EPOCH ep.	ORIGINAL EPOCH δ_2 ″	ORIGINAL EPOCH σ' ″.01	ORIGINAL EPOCH ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	-10° 22H DM NUMBER
1		9.0A	22 25 55.677	-0.0017	21	-15 55 20.45	-0.035	15	0.34	55.705	18	33.6	19.88	16	33.6	K0 J	12A	8383	A -16 6088
2		9.2A	25 0.436	0.0005	18	-16 26 22.39	-0.031	13	0.31	0.428	18	33.6	21.89	16	33.6	F8 J	12A	8384	A -16 6090
3		9.2A	25 1.084	0.0020	21	-14 3 24.35	0.011	15	0.34	1.032	18	33.6	24.34	16	33.6	G5 J	12A	8385	A -14 6288
4		8.9A	25 7.216	-0.0002	20	-18 58 41.68	-0.002	15	0.33	7.218	18	33.6	41.64	16	33.6	K0 J	12B	9526	A -19 6281
5		9.0A	25 7.628	-0.0005	15	-12 29 7.25	0.029	17	0.31	7.628	18	33.6	7.72	16	33.6	K5 J	11	7930	A -12 6277
6		9.1A	25 10.767	0.0010	15	-13 10 4.37	-0.054	17	0.31	10.750	18	33.6	3.49	16	33.6	G5 J	11	7931	A -13 6199
7		9.0A	25 12.029	0.0020	21	-16 24 28.65	-0.001	15	0.34	11.998	18	33.6	28.63	16	33.6	A0 J	12A	8386	A -16 6092
8		8.8A	25 12.988	0.0015	18	-11 56 40.42	0.012	20	0.35	12.964	18	33.6	40.62	16	33.6	F0 J	11	7932	A -12 6278
9		9.2A	25 14.031	0.0009	17	-11 9 9.59	0.015	18	0.33	14.017	18	33.6	9.84	16	33.6	K0 J	11	7933	A -11 5839
10		9.0A	25 24.031	0.0010	18	-13 57 23.01	-0.009	13	0.31	24.015	18	33.6	22.87	16	33.6	K5 J	12A	8387	A -14 6290
11		9.0G	25 24.185	0.0014	07	-10 11 30.93	0.001	05	0.38	24.109	17	34.1	31.01	15	35.7	G0	GC	31402	-10 5923
12		9.2A	25 25.140	0.0014	17	-10 12 4.97	-0.034	18	0.33	25.117	18	33.6	4.42	16	33.6		11	7936	A -10 5924
13		9.2A	25 44.152	0.0025	18	-11 40 9.35	-0.030	20	0.35	44.111	18	33.6	8.86	16	33.6	A5 J	11	7939	A -12 6281
14		8.7A	25 51.956	0.0001	21	-17 3 53.88	-0.022	15	0.34	51.955	18	33.6	53.35	16	33.6	F0 J	12A	8388	A -17 6530
15		9.3A	25 59.327	0.0016	18	-19 59 26.62	-0.024	15	0.30	59.300	16	33.6	26.23	16	33.6	F5 J	13A	9528	A -20 6439
16		9.0A	27 1.225	0.0023	21	-17 3 47.53	-0.005	15	0.34	1.187	18	33.6	47.45	16	33.6	K0 J	12A	8389	A -17 6532
17		8.9A	27 2.270	-0.0027	15	-11 46 41.56	0.058	17	0.31	2.314	18	33.6	42.51	16	33.6	F5 J	11	7940	A -12 6282
18		8.5A	27 4.705	0.0004	15	-10 18 1.85	-0.024	15	0.30	4.699	18	33.6	1.46	16	33.6	G5 J	11	7941	A -10 5930
19		8.4A	27 6.340	-0.0017	18	-11 58 14.32	0.028	20	0.35	6.368	18	33.6	14.78	16	33.6	G5 J	11	7942	A -12 6284
20		8.6A	27 7.278	-0.0009	20	-11 46 43.49	-0.019	20	0.36	7.293	18	33.6	43.18	16	33.6	K0 J	11	7943	A -12 6285
21		8.8A	27 7.647	0.0022	21	-15 4 10.55	0.004	15	0.34	7.610	18	33.6	10.61	16	33.6	K0 J	12A	8390	A -15 6230
22		8.5A	27 17.078	0.0035	21	-16 43 26.65	-0.047	15	0.34	17.030	18	33.6	25.89	16	33.6	F8 J	12A	8391	A -17 6536
23		6.2T	27 21.177	0.0113	04	-13 10 18.16	0.004	04	0.21	20.624	07	01.2	18.37	07	98.6	F0	GC	31423	B*-13 6204
24		9.0A	27 22.069	0.0012	20	-18 39 53.58	0.020	15	0.33	22.049	18	33.6	53.90	16	33.6	K0 J	12B	9530	A -19 6289
25		8.8A	27 24.175	-0.0018	20	-11 27 36.70	-0.016	20	0.36	24.205	18	33.6	36.44	16	33.6	G5 J	11	7945	A -11 5842
26		9.1A	27 36.245	-0.0039	17	-10 52 6.06	-0.005	18	0.33	36.310	18	33.6	5.98	16	33.6	G5 J	11	7946	A -11 5844
27		6.4T	27 36.684	0.0025	03	-14 50 31.30	-0.036	03	0.17	36.564	07	02.2	29.43	07	98.0	A0	GC	31428	B*-15 6231
28		8.9A	27 41.379	0.0013	18	-15 2 24.63	-0.129	13	0.31	41.358	18	33.6	22.52	16	33.6	G0 J	12A	8393	A -15 6232
29		7.2T	27 45.096	0.0048	13	-16 36 16.12	0.007	16	0.74	44.880	19	04.7	16.49	22	99.3	G5	GC	31431	-17 6537
30		9.5A	27 49.707	0.0012	15	-12 32 18.90	-0.013	17	0.31	49.687	18	33.6	18.69	16	33.6	K0 J	11	7947	A -13 6206
31		9.1A	27 51.273	-0.0011	21	-14 7 15.08	0.010	15	0.34	51.290	18	33.6	15.25	16	33.6	K0 J	12A	8395	A -14 6295
32		8.7A	27 56.599	0.0025	20	-18 0 59.76	-0.013	15	0.33	56.558	18	33.6	59.56	16	33.6	K2 J	12B	9531	A -18 6135
33		8.9A	27 58.805	0.0008	21	-15 24 13.87	-0.023	15	0.34	58.791	18	33.6	13.50	16	33.6	K2 J	12A	8396	A -15 6233
34		4.9H	28 0.124	0.0000	01	-10 56 4.11	-0.027	01	0.04	0.123	02	10.0	3.01	02	09.8	A0	F4	1591	-11 5850
35		8.6G	28 14.131	0.0046	08	-10 52 57.55	0.000	08	0.45	13.900	17	99.4	57.56	17	97.1	K2	GC	31448	-11 5851
36		8.3A	28 17.255	0.0053	21	-14 49 25.44	-0.026	15	0.34	17.167	18	33.6	25.02	16	33.6	K2 J	12A	8397	A -15 6234
37		9.0A	28 20.729	-0.0003	21	-15 23 27.19	-0.008	15	0.34	20.734	18	33.6	27.06	16	33.6	K2 J	12A	8398	A -15 6235
38		9.2A	28 26.452	0.0006	20	-18 46 10.34	-0.012	15	0.33	26.442	18	33.6	10.14	16	33.6	K0 J	12B	9533	A -19 6293
39		8.7G	28 27.212	0.0034	09	-10 51 46.71	-0.017	07	0.45	27.051	17	02.0	45.80	17	95.8	K2	GC	31454	-11 5852
40		9.3A	28 28.930	-0.0009	20	-19 44 31.79	-0.014	15	0.33	28.944	16	33.6	31.56	16	33.6	K0 J	13A	9534	A -20 6442
41		8.8A	28 30.716	0.0024	17	-11 16 44.99	0.005	18	0.33	30.677	18	33.6	45.08	16	33.6	F0 J	11	7951	A -11 5853
42		8.9A	28 32.418	0.0003	15	-11 22 17.88	0.023	17	0.31	32.414	18	33.6	18.26	16	33.6	F5 J	11	7952	A -11 5854
43		9.2A	28 38.661	0.0010	21	-13 46 53.63	0.009	15	0.34	38.645	18	33.6	53.79	16	33.6	K0 J	12A	8399	A -14 6297
44		8.8A	28 50.651	0.0007	21	-15 40 52.47	0.022	15	0.34	50.639	18	33.6	52.83	16	33.6	K0 J	12A	8400	A -16 6099
45		8.9A	28 55.855	-0.0002	21	-14 4 10.18	-0.023	15	0.34	55.859	18	33.6	9.81	16	33.6	K0 J	12A	8401	A -14 6299
46		8.9A	29 1.378	-0.0007	21	-16 52 6.36	-0.011	15	0.34	1.390	18	33.6	6.19	16	33.6	G0 J	12A	8402	A -17 6542
47		6.4T	29 2.329	0.0049	02	-11 9 44.89	-0.042	02	0.13	2.110	06	04.8	42.94	06	03.4	F0	GC	31468	B*-11 5855
48		9.0A	29 26.632	-0.0000	20	-17 54 13.42	-0.031	15	0.33	26.632	18	33.6	12.92	16	33.6	K2 J	12B	9538	A -18 6138
49		8.3G	29 29.522	-0.0006	10	-11 15 80	-0.055	07	0.46	29.550	15	01.8	12.85	14	95.9	F8	GC	31475	-14 6301
50		9.2A	29 36.360	0.0001	21	-17 7 0.06	0.006	15	0.34	36.359	18	33.6	0.17	16	33.6	G5 J	12A	8404	A -17 6546
51		9.0A	22 29 43.586	-0.0010	17	-11 2 47.97	-0.017	18	0.33	43.602	18	33.6	47.69	16	33.6	M1 J	11	7955	A -11 5857
52		9.0A	29 45.304	0.0006	21	-14 25 34.58	0.010	15	0.34	45.294	18	33.6	34.75	16	33.6	K5 J	12A	8405	A -14 6303
53		8.7G	29 47.952	-0.0006	10	-11 11 54.93	-0.002	06	0.46	47.984	18	00.4	54.82	17	88.7	K5	GC	31479	-11 5858
54		8.9A	29 52.265	0.0037	17	-15 10 29.75	-0.012	11	0.28	52.206	18	33.6	29.55	16	33.6	K2 J	12A	8406	A -15 6240
55		9.2A	29 58.138	-0.0012	21	-15 16 9.13	0.009	15	0.34	58.158	18	33.6	9.28	16	33.6	A3 J	12A	8407	A -15 6241
56		7.9G	30 20.283	-0.0132	09	-17 45 32.36	-0.033	09	0.45	20.891	15	04.0	30.81	15	02.6	G5	GC	31491	-18 6140
57		9.1A	30 25.059	0.0018	20	-19 38 56.20	0.006	15	0.33	25.030	16	33.6	56.31	16	33.6	A0 J	13A	9540	A -20 6446
58		9.1A	30 36.760	0.0014	20	-19 31 6.76	0.004	15	0.33	36.737	16	33.6	6.82	16	33.6	G5 J	13A	9542	A -20 6448
59		8.0A	30 40.277	-0.0020	20	-18 1 49.19	-0.046	15	0.33	40.309	18	33.6	48.44	16	33.6	K0 J	12B	9543	A -18 6142
60		8.4A	31 2.608	-0.0001	15	-10 46 45.28	-0.038	17	0.31	2.609	18	33.6	44.66	16	33.6	K0 J	11	7959	A -11 5864
61		8.4A	31 9.344	-0.0042	15	-12 38 45.41	-0.038	17	0.31	9.413	18	33.6	44.79	16	33.6	G0 J	11	7960	A -13 6215
62		9.6A	31 13.145	0.0001	15	-10 20 55.01	-0.026	15	0.30	13.144	18	33.6	54.59	16	33.6	F5 J	11	7961	A -10 5946
63		8.7A	31 25.362	-0.0022	15	-12 25 0.45	0.003	15	0.30	25.398	18	33.6	0.50	16	33.6	B9 J	11	7962	A -12 6299
64		8.5A	31 25.460	0.0026	20	-19 37 13.98	0.038	15	0.33	25.417	16	33.6	14.61	16	33.6	K0 J	13A	9544	A -20 6450
65		8.5A	31 41.955	0.0068	20	-19 18 38.15	-0.108	15	0.33	41.844	18	33.6	36.37	16	33.6	F8 J	12B	9546	A -19 6300
66		9.1A	31 42.771	-0.0001	15	-10 30 33.55	0.010	17	0.31	42.774	18	33.6	33.72	16	33.6	K2 J	11	7964	A -11 5867
67		8.8A	31 46.310	-0.0006	21	-15 22 36.39	0.015	15	0.34	46.319	18	33.6	36.63	16	33.6	F8 J	12A	8408	A -15 6243
68		9.0A	31 47.414	-0.0021	21	-16 42 37.64	-0.004	15	0.34	47.449	18	33.6	37.57	16	33.6	F8 J	12A	8409	A -17 6549
69		8.8A	31 48.756	0.0015	20	-17 45 56.98	-0.020	15	0.33	48.732	18	33.6	56.65	16	33.6	K0 J	12B	9547	A -18 6145
70		9.0A	31 54.552	0.0003	21	-15 23 40.43	-0.052	15	0.34	54.547	18	33.6	39.57	16	33.6	K0 J	12A	8410	A -15 6245
71		8.8A	31 59.749	0.0005	20	-18 23 32.96	0.030	15	0.33	59.740	18	33.6	33.45	16	33.6	K2 J	12B	9550	A -18 6146
72		8.9A	32 9.304	0.0019	13	-10 21 42.92	0.032	15	0.29	9.273	18	33.6	43.45	16	33.6	F8 J	11	7967	A -10 5949
73		8.7A	32 27.617	-0.0009	15	-11 29 48.71	-0.160	17	0.31	27.632	18	33.6	46.10	16	33.6	G0 J	11	7969	A -11 5871
74		8.6A	32 27.630	0.0012	20	-18 40 31.41	0.002	15	0.33	27.609	18	33.6	31.44	16	33.6	F5 J	12B	9552	A -19 6303
75		9.0A	32 46.008	0.0019	20	-17 30 59.06	0.002	15	0.33	45.977	18	33.6	59.10	16	33.6	B9 J	12B	9553	A -18 6151
76		8.3A	32 55.021	0.0006	20	-18 4 10.89	-0.011	15	0.33	55.011	18	33.6	10.71	16	33.6	K0 J	12B	9554	A -18 6152
77		8.2G	32 59.103	0.0032	13	-17 52 46.25	0.021	11	0.53	58.977	21	10.6	47.18	21	06.2	K0	GC	31537	-18 6153
78		6.8T	33 7.403	-0.0022	03	-17 43 8.50	-0.039	03	0.17	7.501	07	05.4	6.76	07	05.1	K5	GC	31540	B*-18 6154
79		7.8A	33 7.838	-0.0031	15	-13 8 2.11	-0.100	17	0.31	7.889	18	33.6	0.48	16	33.6	F5 J	11	7970	A -13 6222
80		9.2A	33 18.799	-0.0006	15	-11 51 36.16	0.005	15	0.30	18.808	18	33.6	36.25	16	33.6	M4 J	11	7971	A -12 6307
81		6.7T	33 25.420	-0.0003	09	-16 38 49.53	-0.012	09	0.40	25.434	09	07.0	49.01	10	06.4	B2	GC	31545	-17 6554
82		8.6A	33 32.708	0.0020	21	-14 17 43.87	-0.007	15	0.34	32.676	18	33.6	43.75	16	33.6	K2 J	12A	8413	A -14 6312
83		8.9A	33 33.956	-0.0032	15	-13 11 52.72	-0.023	17	0.31	34.008	18	33.6	52.35	16	33.6	F8 J	11	7972	A -13 6223
84		8.8A	33 40.591	0.0007	15	-12 53 14.89	-0.013	17	0.31	40.579	18	33.6	14.68	16	33.6	M4 J	11	7973	A -13 6224
85		9.3A	33 41.084	-0.0022	21	-16 54 44.98	-0.014	15	0.34	41.120	18	33.6	44.75	16	33.6	K0 J	12A	8414	A -17 6556
86		9.4A	33 44.456	0.0001	21	-16 41 31.59	0.002	15	0.34	44.455	18	33.6	31.62	16	33.6	K0 J	12A	8415	A -17 6557
87		8.8A	33 50.977	0.0015	20	-18 23 54.85	0.004	15	0.33	50.953	18	33.6	54.92	16	33.6	K0 J	12B	9561	A -18 6159
88		7.7A	33 54.992	-0.0013	20	-18 31 50.03	-0.006	15	0.33	55.013	18	33.6	49.93	16	33.6	K0 J	12B	9562	A -19 6306
89		8.7A	34 0.943	0.0043	13	-10 32 50.87	0.043	17	0.30	0.872	18	33.6	51.58	16	33.6	G0 J	11	7974	A -11 5875
90		8.6A	34 2.193	0.0023	21	-17 3 56.53	-0.059	15	0.34	2.155	18	33.6	55.56	16	33.6	K0 J	12A	8416	A -17 6560
91		8.5A	34 7.466	-0.0023	15	-12 38 23.75	0.065	17	0.31	7.503	18	33.6	24.82	16	33.6	G0 J	11	7975	A -13 6225
92		8.8A	34 11.636	0.0006	15	-12 28 22.76	0.012	17	0.31	11.625	18	33.6	22.96	16	33.6	K0 J	11	7977	A -12 6314
93		9.6G	34 14.883	0.0060	22	-19 8 45.97	-0.027	17	0.87	14.634	21	08.4	44.77	18	06.0	G5	GC	31566	-19 6308
94		8.9A	34 17.724	-0.0009	21	-14 36 10.75	0.018	15	0.34	17.739	18	33.6	11.05	16	33.6	G0 J	12A	8418	A -15 6248
95		9.2A	34 18.039	0.0016	21	-15 58 58.88	-0.044	15	0.34	18.013	18	33.6	58.16	16	33.6	G0 J	12A	8417	A -16 6114
96		9.1A	34 20.628	-0.0008	21	-14 53 28.40	0.017	15	0.34	20.641	18	33.6	28.69	16	33.6	K2 J	12A	8419	A -15 6249
97		8.1A	34 26.056	-0.0007	15	-13 9 27.34	-0.012	17	0.31	26.068	18	33.6	27.15	16	33.6	K2 J	11	7979	A -13 6226
98		8.3A	34 27.211	0.0069	15	-11 59 26.59	-0.019	17	0.31	27.097	18	33.6	26.28	16	33.6	K0 J	11	7980	A -12 6315
99		8.2A	34 33.004	-0.0008	21	-13 55 34.70	0.009	15	0.34	33.018	18	33.6	34.84	16	33.6	K0 J	12A	8420	A -14 6315
00		9.1A	34 35.485	-0.0014	21	-15 13 59.59	0.020	15	0.34	35.508	18	33.6	59.92	16	33.6	K0 J	12A	8421	A -15 6250

165200

EPOCH 1950 — ORIGINAL EPOCH — SOURCE — -10° 22H

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	σ'_μ ″.001	σ_{1950} ″	α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	CAT.	STAR NUMBER	DM NUMBER
1		8.5A	22 34 36.002	0.0011	15	-10 31 47.62	-0.018	17	0.31	35.983	18	33.6	47.33	16	33.6	M2 J	11	7981	A -11 5880
2		9.2A	34 48.453	-0.0029	21	-16 26 21.99	0.010	15	0.34	48.500	18	33.6	22.15	16	33.6	G0 J	12A	8422	A -16 6116
3		9.2A	34 49.328	0.0006	21	-17 5 26.31	-0.025	15	0.34	49.319	18	33.6	25.90	16	33.6	G5 J	12A	8423	A -17 6563
4		8.9A	34 50.013	0.0007	21	-16 37 50.05	0.005	15	0.34	50.001	18	33.6	50.13	16	33.6	K0 J	12A	8424	A -17 6564
5		8.3A	35 13.853	-0.0015	21	-13 37 51.29	-0.037	15	0.34	13.878	18	33.6	50.67	16	33.6	K0 J	12A	8425	A -14 6317
6		8.9A	35 15.085	0.0005	18	-13 27 22.23	0.002	13	0.31	15.077	18	33.6	22.27	16	33.6	F8 J	12A	8428	A -13 6230
7		9.3A	35 28.280	0.0011	18	-13 29 37.27	0.027	13	0.31	28.282	18	33.6	37.71	16	33.6	G5 J	12A	8427	A -13 6232
8		9.2A	35 31.882	0.0034	15	-13 2 43.28	0.027	17	0.31	31.207	18	33.6	43.73	16	33.6	K0 J	11	7985	A -13 6231
9		8.8A	35 49.190	0.0005	21	-16 43 58.77	-0.016	15	0.34	49.182	18	33.6	58.51	16	33.6	G5 J	12A	8428	A -17 6566
10		9.0A	35 49.674	-0.0013	21	-14 19 8.89	-0.004	15	0.34	49.695	18	33.6	8.82	16	33.6	F8 J	12A	8429	A -14 6319
11		7.8A	35 54.684	0.0018	18	-14 19 38.92	0.030	13	0.31	54.664	18	33.6	39.40	16	33.6	A3 J	12A	8430	A -14 6320
12		9.1A	35 54.870	0.0006	17	-14 17 52.56	0.004	15	0.31	54.880	18	33.6	52.61	16	33.6		12A	8431	A -14 6321
13		9.2A	36 2.873	0.0005	20	-19 7 24.90	0.023	15	0.33	2.864	18	33.6	25.27	16	33.6	G0 J	12B	9572	A -19 6312
14		9.3A	36 14.479	0.0006	20	-19 14 40.64	0.008	15	0.33	14.469	18	33.6	40.77	16	33.6	G5 J	12B	9573	A -19 6313
15		8.4A	36 19.496	0.0014	15	-10 21 47.72	0.027	17	0.31	19.475	18	33.6	48.17	16	33.6	G0 J	11	7986	A -10 5961
16		8.7A	36 25.717	-0.0009	20	-18 3 32.27	-0.025	15	0.33	25.732	18	33.6	31.86	16	33.6	A0 J	12B	9574	A -18 6163
17		7.2T	36 38.232	-0.0031	03	-10 17 18.75	-0.004	03	0.18	38.403	06	95.4	18.54	07	90.8	G0	GC	31614	B+-10 5963
18		7.6B	36 54.739	0.0160	04	-12 52 25.61	-0.152	04	0.25	53.881	10	96.5	15.95	10	86.3	G5	GC	31621K	B+-13 6235
19		8.7A	36 58.191	0.0044	20	-19 23 7.13	0.035	15	0.33	58.119	16	33.6	7.70	16	33.6	G0 J	13A	9576	A -19 6314
20		8.7A	37 3.387	-0.0061	15	-12 33 10.25	-0.085	17	0.31	3.487	18	33.6	8.86	16	33.6	G0 J	11	7990	A -13 6236
21		8.0A	37 15.380	0.0035	21	-14 48 38.31	-0.187	15	0.34	15.323	18	33.6	35.25	16	33.6	F8 J	12A	8432	A -15 6257
22		9.1A	37 16.647	-0.0008	20	-18 13 12.26	0.004	15	0.33	16.660	18	33.6	12.34	16	33.6	K0 J	12B	9578	A -18 6167
23		7.3T	37 20.741	0.0006	26	-19 27 32.21	-0.052	22	1.17	20.713	26	03.1	29.66	22	01.3	F8	GC	31633K	-19 6316
24		8.9A	37 22.264	0.0029	20	-18 4 7.24	-0.003	15	0.33	22.217	18	33.6	7.19	16	33.6	K0 J	12B	9580	A -18 6168
25		8.8A	37 27.618	0.0003	21	-16 13 9.72	-0.011	15	0.34	27.613	18	33.6	9.54	16	33.6	F2 J	12A	8433K	A -16 6125
26		8.9A	37 29.245	-0.0035	18	-15 31 47.79	-0.045	13	0.31	29.302	18	33.6	47.05	16	33.6	F5 J	12A	8434	A -16 6127
27		8.4A	37 41.113	-0.0008	21	-14 51 54.07	-0.008	15	0.34	41.126	18	33.6	53.95	16	33.6	K0 J	12A	8435	A -15 6258
28		8.6A	37 42.163	0.0003	15	-11 51 59.24	-0.018	17	0.31	42.157	18	33.6	58.95	16	33.6	K5 J	11	7992	A -12 6323
29		8.0A	37 58.186	0.0044	21	-17 1 56.08	-0.005	15	0.34	58.114	18	33.6	56.00	16	33.6	K0 J	12A	8436	A -17 6571
30		9.4A	38 3.523	-0.0010	20	-19 9 16.70	0.039	15	0.33	3.539	18	33.6	17.34	16	33.6	K0 J	12B	9583	A -19 6317
31		9.2A	38 16.709	0.0068	21	-14 7 2.27	-0.038	15	0.34	16.598	18	33.6	1.64	16	33.6	K0 J	12A	8437	A -14 6326
32		8.7A	38 44.443	-0.0020	15	-12 53 7.23	-0.015	17	0.31	44.475	18	33.6	6.99	16	33.6	F8 J	11	7995	A -13 6241
33		6.8T	38 46.785	0.0001	18	-12 29 29.85	-0.023	13	0.76	46.783	09	03.1	28.76	12	02.1	K2	GC	31660	-12 6327
34		8.6A	38 58.900	-0.0012	21	-15 52 51.97	-0.003	15	0.34	58.920	18	33.6	51.92	16	33.6	G5 J	12A	8438	A -16 6134
35		9.2A	39 6.515	0.0045	15	-13 8 35.82	-0.043	15	0.30	6.442	18	33.6	35.12	16	33.6	F8 J	11	7997	A -13 6244
36		8.7A	39 9.685	-0.0006	20	-18 49 24.35	0.012	15	0.33	9.696	18	33.6	24.55	16	33.6	F2 J	12B	9584	A -19 6318
37		9.5A	39 11.576	-0.0062	15	-10 29 0.55	-0.020	15	0.30	11.678	18	33.6	0.22	16	33.6	G0 J	11	7998	A -10 5971
38		9.0A	39 14.910	0.0007	21	-15 54 43.69	-0.047	15	0.34	14.898	18	33.6	42.92	16	33.6	K0 J	12A	8439	A -16 6135
39		8.6A	39 20.695	-0.0002	20	-18 41 57.03	-0.056	15	0.33	20.697	18	33.6	56.11	16	33.6	K0 J	12B	9586	A -19 6319
40		8.1G	39 22.123	-0.0005	09	-10 23 15.16	-0.005	08	0.45	22.150	17	00.1	14.91	15	97.0	A5	GC	31673	-10 5973
41		8.8A	39 43.732	-0.0024	15	-10 37 51.81	-0.035	15	0.30	43.771	18	33.6	51.24	16	33.6	G0 J	11	8000	A -11 5899
42		8.6A	39 53.100	0.0023	15	-10 10 51.28	-0.019	17	0.31	53.062	18	33.6	50.97	16	33.6	A5 J	11	8002	A -10 5974
43		7.9A	39 53.461	-0.0030	15	-12 49 18.64	-0.012	17	0.31	53.510	18	33.6	18.45	16	33.6	A0 J	11	8001	A -13 6247
44		9.4A	40 3.783	-0.0025	15	-10 30 28.53	-0.049	17	0.31	3.803	18	33.6	27.73	16	33.6	G5 J	11	8003	A -11 5900
45		8.9A	40 7.491	-0.0008	20	-17 39 20.45	-0.062	15	0.33	7.504	18	33.6	19.44	16	33.6	G0 J	12B	9590	A -18 6174
46		8.7A	40 17.741	0.0012	15	-12 36 42.99	0.015	15	0.30	17.721	18	33.6	43.24	16	33.6	G5 J	11	8004	A -13 6249
47		8.3A	40 22.061	0.0026	15	-10 35 43.73	-0.011	17	0.31	21.922	18	33.6	43.61	16	33.6	G0 J	11	8005	A -13 6250
48		7.2T	40 25.446	-0.0004	04	-10 21 44.38	0.014	04	0.23	25.468	10	99.5	55.16	10	96.6	K0	GC	31693	B+-10 5975
49		8.7A	40 33.481	0.0015	20	-18 6 26.59	0.025	15	0.33	33.457	18	33.6	27.00	16	33.6	K0 J	12B	9592	A -18 6176
50		8.6A	40 42.090	0.0003	21	-16 9 33.47	0.010	15	0.34	42.084	18	33.6	33.63	16	33.6	A3 J	12A	8441	A -16 6140
51		9.0A	22 40 51.528	0.0015	20	-19 36 40.87	-0.011	15	0.33	51.502	16	33.6	40.70	16	33.6	F8 J	13A	9593	A -20 6473
52		4.9T	40 53.937	-0.0020	04	-19 5 33.20	-0.024	04	0.23	54.045	09	96.2	31.87	09	95.2	K5	GC	31708	B+-19 6324
53		8.8A	41 7.062	-0.0000	00	-17 51 45.85	-0.005	15	0.24	7.062	18	33.6	45.75	16	33.6	G0 J	12B	9595	A -18 6178
54		8.9A	41 11.059	0.0010	18	-17 47 3.62	-0.014	12	0.30	11.043	18	33.6	3.40	16	33.6	G5 J	12B	9596	A -18 6180
55		8.8A	41 12.176	0.0054	15	-11 44 47.37	0.074	17	0.31	12.088	18	33.6	48.59	16	33.6	G0 J	11	8009	A -12 6336
56		8.6A	41 16.396	0.0003	20	-18 32 38.18	-0.003	15	0.33	16.392	18	33.6	38.13	16	33.6	A3 J	12B	9597	A -19 6326
57		8.6A	41 24.263	0.0002	15	-12 56 54.49	-0.003	17	0.31	24.259	18	33.6	54.45	16	33.6	K0 J	11	8010	A -13 6257
58		7.8A	41 37.709	0.0013	21	-14 52 28.44	-0.002	15	0.34	37.688	18	33.6	28.41	16	33.6	G5 J	12A	8443	A -15 6264
59		7.2T	41 41.765	0.0006	10	-14 56 19.59	0.008	10	0.46	41.739	09	07.1	19.95	10	06.9	K0	GC	31729	-15 6265
60		9.2A	41 44.048	-0.0014	15	-10 46 26.53	-0.030	15	0.30	44.072	18	33.6	26.04	16	33.6	G0 J	11	8011	A -11 5907
61		8.8A	41 50.684	-0.0015	20	-19 21 6.61	0.022	15	0.33	50.708	16	33.6	6.97	16	33.6	G0 J	13A	9600	A -19 6328
62		9.0A	41 55.292	0.0118	20	-19 33 28.01	0.036	15	0.33	55.098	16	33.6	28.61	16	33.6	G0 J	13A	9602	A -20 6477
63		9.3A	41 58.877	-0.0002	21	-16 12 16.01	0.057	15	0.34	58.880	18	33.6	16.95	16	33.6	G5 J	12A	8445	A -16 6146
64		8.6A	42 11.953	0.0005	20	-19 4 54.07	0.086	15	0.33	11.945	18	33.6	55.47	16	33.6	G0 J	12B	9603	A -19 6330
65		9.0A	42 12.878	0.0038	21	-13 51 21.37	0.006	15	0.34	12.815	18	33.6	21.47	16	33.6	G5 J	12A	8446	A -14 6336
66		8.8A	42 19.268	0.0026	18	-13 54 3.66	-0.020	13	0.31	19.226	18	33.6	3.32	16	33.6	K J	12A	8447	A -14 6337
67		9.2A	42 20.010	-0.0032	21	-13 52 26.34	-0.087	15	0.34	20.062	18	33.6	24.90	16	33.6	F8 J	12A	8448	A -14 6338
68		9.0A	42 26.921	-0.0035	15	-12 48 11.91	-0.033	17	0.31	26.958	18	33.6	11.96	16	33.6	G0 J	11	8013	A -11 5909
69		9.4A	42 32.600	0.0003	21	-16 33 10.55	-0.005	15	0.34	32.595	18	33.6	10.63	16	33.6	G0 J	12A	8449	A -17 6583
70		9.0A	42 36.872	0.0014	21	-16 51 1.93	-0.055	15	0.34	36.850	18	33.6	1.03	16	33.6	F5 J	12A	8450	A -17 6584
71		9.1A	42 39.304	0.0036	21	-15 59 1.57	0.008	15	0.34	39.244	18	33.6	1.70	16	33.6	F8 J	12A	8451	A -16 6147
72		9.6A	42 39.778	-0.0015	21	-16 29 12.58	0.017	15	0.34	39.803	18	33.6	12.86	16	33.6	F5 J	12A	8452	A -16 6148
73		8.9A	42 41.584	0.0016	21	-13 50 2.87	0.002	15	0.34	41.559	18	33.6	2.89	16	33.6	A5 J	12A	8453	A -14 6341
74		9.0A	42 42.392	0.0009	21	-14 28 22.42	0.012	15	0.34	42.378	18	33.6	22.61	16	33.6	A2 J	12A	8454	A -14 6340
75		7.5A	42 48.057	0.0084	21	-15 50 46.39	-0.036	15	0.34	48.018	18	33.6	45.80	16	33.6	K5 J	12A	8455	A -16 6149
76		8.0A	42 48.079	0.0025	15	-13 16 11.34	-0.014	15	0.30	48.037	18	33.6	11.12	16	33.6	F8 J	11	8015	A -13 6262
77		8.9A	42 53.858	0.0016	21	-16 50 11.37	0.010	15	0.34	53.832	18	33.6	11.53	16	33.6	K0 J	12A	8456	A -17 6586
78		9.4A	43 19.148	-0.0006	21	-15 51 16.29	-0.148	15	0.34	19.158	18	33.6	13.86	16	33.6	G5 J	12A	8457K	A -16 6150
79		9.2A	43 22.261	0.0028	20	-18 22 0.83	-0.016	15	0.33	22.215	18	33.6	0.57	16	33.6	G0 J	12B	9608	A -18 6186
80		9.1A	43 25.535	0.0055	21	-14 47 58.60	-0.021	15	0.34	25.445	18	33.6	58.26	16	33.6	G5 J	12A	8458	A -15 6272
81		8.8A	43 27.360	0.0014	21	-14 5 58.41	-0.024	15	0.34	27.357	18	33.6	58.01	16	33.6	K0 J	12A	8459	A -14 6343
82		8.5A	43 29.039	-0.0009	15	-11 48 7.98	0.010	15	0.30	29.053	18	33.6	8.15	16	33.6	K0 J	11	8016	A -12 6342
83		8.3A	43 30.125	0.0042	15	-12 25 22.16	0.018	17	0.31	30.055	18	33.6	22.46	16	33.6	K0 J	11	8017	A -12 6343
84		9.0A	43 34.818	0.0037	21	-13 47 31.06	-0.093	15	0.34	34.758	18	33.6	29.53	16	33.6	G0 J	12A	8460	A -14 6344
85		6.7T	43 36.186	-0.0006	12	-11 25 46.13	-0.027	10	0.53	36.216	09	03.6	44.87	10	02.7	M0	GC	31765	-11 5912
86		7.8A	43 49.932	0.0024	20	-18 33 0.07	0.047	15	0.33	49.892	18	33.6	0.84	16	33.6	G5 J	12B	9610	A -19 6336
87		9.1A	43 53.931	-0.0051	21	-17 18 30.04	-0.008	15	0.34	54.014	18	33.6	29.91	16	33.6	G5 J	12A	8461	A -17 6590
88		8.5A	44 19.803	0.0004	21	-16 40 27.17	0.021	15	0.34	19.796	18	33.6	27.52	16	33.6	A0 J	12A	8462	A -17 6591
89		8.0A	44 39.476	0.0261	21	-16 24 33.69	-0.050	15	0.34	39.048	18	33.6	32.87	16	33.6	G0 J	12A	8463K	A -16 6152
90		6.9T	44 44.315	0.0083	18	-17 48 51.69	0.024	14	0.89	43.886	24	98.3	53.01	22	95.6	F5	GC	31791	-18 6192
91		8.6A	44 47.556	0.0024	20	-17 50 31.84	0.007	15	0.33	47.516	18	33.6	31.96	16	33.6	K0 J	12B	9617	A -18 6193
92		8.6A	44 51.964	0.0066	20	-19 25 37.72	0.006	15	0.33	51.856	16	33.6	37.82	16	33.6	F0 J	13A	9618	A -19 6337
93		5.4H	44 52.131	-0.0072	02	-19 52 28.69	-0.196	02	0.07	52.344	04	20.4	23.04	04	21.5	G5	F4	1597	-20 6486
94		8.8A	44 52.830	-0.0002	21	-15 23 48.09	0.007	15	0.34	52.833	18	33.6	48.20	16	33.6	F0 J	12A	8464	A -15 6274
95		9.2A	44 55.534	0.0023	21	-17 19 28.16	0.025	15	0.34	55.497	18	33.6	28.57	16	33.6	G5 J	12A	8465	A -17 6592
96		8.3A	44 55.559	0.0028	18	-18 20 45.66	0.021	13	0.31	55.513	18	33.6	46.01	16	33.6	G5 J	12B	9620	A -18 6194
97		9.2A	45 0.227	0.0013	15	-10 20 9.10	-0.009	15	0.30	0.206	18	33.6	8.96	16	33.6	F8 J	11	8020	A -10 5992
98		5.7T	45 3.557	0.0020	02	-14 19 13.84	-0.008	02	0.13	3.460	06	02.2	13.52	06	00.1	B9	GC	31802K	B+-14 6346
99		8.4A	45 6.209	-0.0017	15	-12 46 14.22	-0.010	15	0.30	6.237	18	33.6	14.06	16	33.6	F0 J	11	8021	A -13 6272
00		9.1A	45 9.763	-0.0001	13	-12 50 34.31	0.059	15	0.29	9.765	18	33.6	35.28	16	33.6	G5 J	11	8022	A -13 6273

165300

-10° 22H

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	σ'_μ ″.001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.		SOURCE CAT.	STAR NUMBER	DM NUMBER
1		8.9A	22 45 13.264	0.0008	20	-18 24 41.15	-0.018	15	0.33	13.250	18	33.6	40.86	16	33.6	K0	J	12B	9621	A -18 6195
2		9.2A	45 19.098	-0.0005	15	-12 50 19.08	-0.011	17	0.31	19.107	18	33.6	18.90	16	33.6	G0	J	11	8023	A -13 6276
3		9.0A	45 13.863	0.0046	21	-16 49 1.09	-0.019	15	0.34	19.787	18	33.6	1.40	16	33.6	K0	J	12A	8467	A -17 6593
4		9.3A	45 22.902	-0.0012	17	-12 6 13.65	-0.025	18	0.33	22.921	18	33.6	13.25	16	33.6	K5	J	11	8024	A -12 6351
5		9.1A	45 26.534	-0.0002	21	-15 59 55.84	0.014	15	0.34	26.538	18	33.6	56.07	16	33.6	G5	J	12A	8468	A -16 6155
6		9.0A	45 30.767	-0.0041	20	-19 17 31.75	-0.009	15	0.33	30.834	18	33.6	31.60	16	33.6	F8	J	12B	9623	A -19 6340
7		8.7Q	45 38.342	-0.0048	10	-19 57 50.17	-0.130	07	0.45	38.568	17	03.0	43.28	17	97.0	K0		GC	31817	-20 6487
8		6.1T	45 52.389	0.0022	02	-10 49 12.64	0.005	02	0.14	52.281	06	00.1	12.91	06	98.5	F0		GC	31822	B*-11 5923
9		8.6A	45 55.128	0.0037	20	-17 31 11.74	-0.010	15	0.33	55.067	18	33.6	11.58	16	33.6	A0	J	12B	9625	A -18 6196
10		8.5A	46 8.346	-0.0009	15	-12 5 33.85	0.016	17	0.31	8.360	18	33.6	34.12	16	33.6	F0	J	11	8026	A -12 6353
11		9.0A	46 9.570	-0.0009	20	-19 21 23.06	0.035	15	0.33	9.584	16	33.6	23.63	16	33.6	K0	J	13A	9626	A -19 6341
12		8.8A	46 12.106	0.0022	20	-18 52 34.92	0.083	15	0.33	12.070	18	33.6	35.46	16	33.6	A5	J	12B	9627	A -19 6342
13		8.0A	46 13.692	-0.0002	21	-17 15 35.12	0.022	15	0.34	13.695	18	33.6	35.48	16	33.6	K5	J	12A	8470	A -17 6598
14		9.1A	46 29.668	-0.0007	21	-15 57 13.23	-0.059	15	0.34	29.680	18	33.6	12.26	16	33.6	G0	J	12A	8471	A -16 6158
15		8.9A	46 41.432	0.0021	20	-18 39 57.06	-0.030	15	0.33	41.397	18	33.6	56.56	16	33.6	K5	J	12B	9630	A -19 6343
16		7.9A	46 48.406	0.0024	15	-11 36 50.79	0.030	17	0.31	48.366	18	33.6	51.29	16	33.6	A5	J	11	8027	A -12 6357
17		9.2A	46 48.544	0.0029	21	-13 50 28.38	0.022	15	0.34	48.497	18	33.6	28.73	16	33.6	K2	J	12A	8472	A -14 6351
18		9.1A	46 49.073	0.0008	20	-19 4 26.65	0.011	15	0.33	49.059	18	33.6	26.83	16	33.6	K0	J	12B	9631	A -19 6344
19		9.4A	46 49.322	0.0021	21	-14 7 39.52	-0.010	15	0.34	49.288	18	33.6	39.35	16	33.6	G5	J	12A	8473	A -14 6352
20		9.2A	46 51.658	-0.0001	21	-13 32 59.21	-0.044	15	0.34	51.660	18	33.6	58.48	16	33.6	G0	J	12A	8474	A -14 6353
21		4.2H	46 56.751	-0.0010	01	-13 51 25.17	-0.033	01	0.05	56.787	02	12.1	23.91	03	11.7	K5		F4	861	-14 6354
22		9.1A	47 7.781	0.0002	15	-11 19 55.76	-0.012	15	0.33	7.778	18	33.6	55.57	16	33.6	F5	J	11	8030K	A -11 5931
23		8.9A	47 20.631	-0.0000	00	-18 18 10.98	-0.109	15	0.24	20.631	18	33.6	9.19	16	33.6	G5	J	12B	9633	A -18 6199
24		8.5A	47 25.956	-0.0015	21	-16 34 43.61	-0.033	15	0.34	25.981	18	33.6	43.07	16	33.6	F2	J	12A	8476	A -17 6603
25		9.1A	47 28.877	0.0009	15	-10 31 57.84	-0.013	17	0.31	28.862	18	33.6	57.63	16	33.6	K2	J	11	8031	A -11 5932
26		8.4A	47 29.440	0.0017	17	-10 40 21.73	-0.026	18	0.33	29.412	18	33.6	21.31	16	33.6	K0	J	11	8032	A -11 5933
27		8.2A	47 45.170	-0.0002	21	-14 19 27.62	-0.017	15	0.34	45.173	18	33.6	27.33	16	33.6	F0	J	12A	8477	A -14 6355
28		8.8A	47 51.293	-0.0021	15	-12 42 23.09	-0.025	17	0.31	51.327	18	33.6	22.68	16	33.6	K0	J	11	8033	A -13 6282
29		8.8A	47 54.252	0.0005	21	-14 59 48.93	0.002	15	0.34	54.243	18	33.6	48.97	16	33.6	F5	J	12A	8478	A -15 6282
30		8.4A	47 55.462	-0.0006	15	-12 57 23.03	-0.049	17	0.31	55.472	18	33.6	22.23	16	33.6	K0	J	11	8034	A -13 6283
31		8.9A	48 12.684	0.0016	17	-18 5 6.48	0.020	12	0.29	12.657	18	33.6	6.81	16	33.6	A2	J	12B	9635	A -18 6203
32		8.9A	48 14.202	-0.0003	21	-13 21 58.91	-0.016	15	0.34	14.206	18	33.6	58.66	16	33.6	F5	J	12A	8479	A -13 6284
33		8.6A	48 15.264	0.0032	20	-19 0 13.73	-0.001	15	0.33	15.211	18	33.6	13.71	16	33.6	G0	J	12B	9636	A -19 6346
34		9.2A	48 28.142	-0.0015	21	-15 44 53.14	-0.021	15	0.34	28.166	18	33.6	53.48	16	33.6	G0	J	12A	8480	A -16 6161
35		9.2A	48 46.051	-0.0017	17	-11 23 54.69	-0.033	18	0.33	46.079	18	33.6	54.15	16	33.6	G0	J	11	8037	A -11 5937
36		9.2A	48 46.899	0.0051	21	-16 24 40.04	-0.031	15	0.34	46.815	18	33.6	39.53	16	33.6	G0	J	12A	8481	A -16 6162
37		9.1A	48 53.723	-0.0015	17	-10 51 29.49	-0.002	18	0.33	53.748	18	33.6	29.46	16	33.6	G5	J	11	8038	A -11 5938
38		8.6A	48 58.059	0.0017	17	-12 17 58.13	0.036	18	0.33	58.031	18	33.6	58.73	16	33.6	G5	J	11	8039	A -12 6364
39		8.4A	49 1.924	0.0029	21	-14 7 35.53	-0.041	15	0.34	1.877	18	33.6	34.85	16	33.6	F8	J	12A	8482	A -14 6359
40		9.3A	49 5.046	0.0014	21	-15 28 19.57	0.011	15	0.34	5.023	18	33.6	19.75	16	33.6	F5	J	12A	8483	A -15 6285
41		8.6A	49 6.119	-0.0009	20	-19 44 7.78	-0.029	15	0.33	6.133	16	33.6	7.31	16	33.6	G5	J	13A	9638	A -20 6495
42		9.2A	49 23.113	-0.0049	21	-16 56 32.00	-0.047	15	0.34	23.194	18	33.6	31.23	16	33.6	G0	J	12A	8484	A -17 6611
43		9.1A	49 26.551	0.0024	21	-14 41 52.46	0.022	15	0.34	26.511	18	33.6	52.83	16	33.6	G0	J	12A	8485	A -15 6286
44		8.7A	49 29.759	-0.0076	20	-19 3 14.25	-0.137	15	0.33	29.884	18	33.6	12.00	16	33.6	G0	J	12B	9639	A -19 6349
45		9.0A	49 31.885	-0.0010	20	-19 12 51.09	-0.013	15	0.33	31.901	18	33.6	50.87	16	33.6	K5	J	12B	9640	A -19 6350
46		8.5A	49 32.894	0.0033	17	-11 13 23.99	-0.029	18	0.33	32.840	18	33.6	23.52	16	33.6	F8	J	11	8040	A -11 5940
47		8.9A	49 43.225	-0.0025	17	-12 49 4.34	0.028	18	0.33	43.266	18	33.6	4.80	16	33.6	K0	J	11	8041	A -13 6291
48		8.3A	49 47.523	0.0006	21	-16 55 21.00	0.004	15	0.34	47.514	18	33.6	21.07	16	33.6	K0	J	12A	8486	A -17 6615
49		9.1A	49 49.427	0.0017	21	-16 17 59.38	0.034	15	0.34	49.399	18	33.6	59.94	16	33.6	G0	J	12A	8487	A -16 6165
50		9.1A	49 50.365	0.0003	21	-16 17 47.80	-0.023	15	0.34	50.360	18	33.6	47.42	16	33.6	G0	J	12A	8488	A -16 6165
51		6.9T	22 49 55.409	-0.0059	17	-19 18 12.59	-0.019	15	0.86	55.712	22	98.7	11.56	21	96.6	F8		GC	31900	-19 6351
52		9.2A	49 56.147	0.0135	21	-15 34 14.92	-0.070	15	0.34	55.925	18	33.6	13.77	16	33.6	G0	J	12A	8489	A -16 6167
53		6.8T	50 8.360	0.0174	11	-10 19 29.33	0.025	10	0.50	7.535	10	02.5	30.57	10	00.9	F8		GC	31905	-10 6008
54		8.5A	50 10.917	-0.0020	18	-13 21 55.91	-0.030	13	0.31	10.949	18	33.6	55.43	16	33.6	K0	J	12A	8490	A -13 6292
55		8.9A	50 22.731	0.0016	18	-10 41 48.37	-0.033	20	0.35	22.705	18	33.6	47.83	16	33.6	F8	J	11	8045	A -11 5941
56		8.3A	50 35.293	0.0005	21	-17 25 52.54	0.020	15	0.34	35.285	18	33.6	52.87	16	33.6	G0	J	12A	8491	A -17 6616
57		9.1A	50 36.672	0.0010	18	-11 18 22.88	-0.009	20	0.35	36.655	18	33.6	22.74	16	33.6	G5	J	11	8046	A -11 5944
58		9.0A	50 37.725	-0.0023	20	-18 7 51.15	-0.034	15	0.33	37.763	18	33.6	50.60	16	33.6	G0	J	12B	9646	A -18 6209
59		5.9T	50 50.798	0.0015	02	-11 52 58.34	0.004	02	0.14	50.725	06	99.9	58.57	06	96.5	B9		GC	31918	B*-12 6371
60		8.8A	50 59.166	0.0006	21	-16 30 26.41	-0.022	15	0.34	59.157	18	33.6	26.05	16	33.6	F8	J	12A	8492	A -17 6617
61		8.6A	51 1.768	-0.0050	21	-15 53 29.73	-0.039	15	0.34	1.850	18	33.6	29.09	16	33.6	G0	J	12A	8493	A -16 6170
62		8.9A	51 11.187	-0.0014	20	-17 32 40.54	-0.044	15	0.33	11.210	18	33.6	39.82	16	33.6	G0	J	12B	9648	A -18 6212
63		9.1A	51 14.558	0.0040	21	-16 7 5.13	0.015	15	0.34	14.492	18	33.6	5.37	16	33.6	G5	J	12A	8495	A -16 6171
64		8.3A	51 18.450	-0.0001	20	-18 19 30.91	0.005	15	0.33	18.451	18	33.6	30.99	16	33.6	K0	J	12B	9650	A -18 6213
65		6.6T	51 24.898	0.0065	12	-19 26 31.19	-0.019	15	0.75	24.546	22	95.8	30.18	21	97.5	K5		GC	31929	-19 6357
66		7.2T	51 28.949	0.0032	04	-12 27 23.02	-0.045	03	0.21	28.788	07	98.9	20.56	07	94.9	K0		GC	31931	B*-12 6374
67		9.0A	51 36.975	-0.0012	21	-17 17 54.02	0.000	15	0.34	36.995	18	33.6	54.02	16	33.6	G0	J	12A	8496	A -17 6618
68		8.9A	51 38.476	-0.0014	17	-13 1 0.17	-0.012	18	0.33	38.499	18	33.6	0.37	16	33.6	G0	J	11	8050	A -13 6298
69		9.3A	51 45.445	-0.0011	20	-19 18 39.85	-0.011	15	0.33	45.462	18	33.6	39.67	16	33.6	G0	J	12B	9654	A -19 6359
70		8.1A	51 45.830	0.0061	21	-15 16 36.13	0.010	15	0.34	45.730	18	33.6	36.29	16	33.6	F8	J	12A	8497	A -15 6294
71		9.2A	51 46.335	0.0022	21	-15 39 3.90	0.004	15	0.34	46.299	18	33.6	3.96	16	33.6	G5	J	12A	8498	A -16 6172
72		8.8A	51 51.650	0.0001	21	-15 5 1.48	0.009	15	0.34	51.648	18	33.6	1.63	16	33.6	K0	J	12A	8499	A -15 6295
73		8.0A	51 52.660	0.0016	15	-10 33 56.65	-0.028	17	0.31	52.634	18	33.6	56.20	16	33.6	K0	J	11	8051	A -11 5946
74		9.2A	51 58.210	0.0016	20	-13 6 55.62	-0.056	20	0.36	58.184	18	33.6	54.71	16	33.6	K0	J	11	8052	A -13 6299
75		3.5H	51 59.902	-0.0029	01	-16 5 13.92	-0.022	01	0.04	+ 0.003	02	15.6	13.15	02	14.7	A2		F4	866	-16 6173
76		5.7T	52 6.820	-0.0156	03	-16 32 15.15	-0.086	03	0.15	7.550	07	03.3	11.35	07	05.8	K0		GC	31944	B*-17 6619
77		9.1A	52 16.230	0.0040	20	-19 34 41.32	-0.050	15	0.33	16.164	16	33.6	40.51	16	33.6	F0	J	13A	9657	A -20 6504
78		9.1A	52 20.930	0.0020	21	-14 18 35.56	0.019	15	0.34	20.897	18	33.6	35.86	16	33.6	G5	J	12A	8502	A -14 6366
79		9.2A	52 30.353	0.0009	21	-15 15 18.53	0.017	15	0.34	30.339	18	33.6	18.81	16	33.6	F8	J	12A	8503	A -15 6298
80		9.0A	52 34.928	-0.0010	20	-17 30 36.91	0.014	15	0.33	34.944	18	33.6	37.14	16	33.6	K0	J	12B	9658	A -18 6217
81		9.0A	52 44.903	-0.0002	21	-14 0 27.37	-0.027	15	0.34	44.907	18	33.6	26.92	16	33.6	G5	J	12A	8505	A -14 6367
82		8.6A	52 49.269	0.0013	15	-10 22 46.98	0.000	17	0.31	49.248	18	33.6	46.98	16	33.6	G5	J	11	8054	A -10 6018
83		9.0A	53 5.130	-0.0004	21	-15 46 26.22	-0.004	15	0.34	5.137	18	33.6	26.16	16	33.6	G5	J	12A	8506	A -16 6177
84		9.0A	53 16.770	0.0038	21	-14 1 6.72	-0.037	15	0.34	16.709	18	33.6	6.10	16	33.6	G0	J	12A	8507K	A -14 6368
85		9.0A	53 22.032	-0.0006	21	-14 55 50.75	-0.009	15	0.34	22.042	18	33.6	50.61	16	33.6	M3	J	12A	8508	A -15 6303
86		9.0A	53 22.506	-0.0002	21	-15 44 23.08	0.006	15	0.34	22.509	18	33.6	23.18	16	33.6	G5	J	12A	8509	A -16 6178
87		9.1A	53 28.028	0.0050	20	-18 38 4.10	0.002	15	0.33	27.946	18	33.6	4.13	16	33.6	G5	J	12B	9662	A -19 6366
88		8.8A	53 28.205	0.0042	15	-11 19 57.43	-0.038	17	0.31	28.136	18	33.6	56.81	16	33.6	F2	J	11	8056	A -11 5952
89		8.5A	53 31.555	-0.0007	21	-13 49 18.88	0.013	15	0.34	31.567	18	33.6	19.08	16	33.6	K2	J	12A	8510	A -14 6370
90		8.8A	53 31.640	-0.0027	15	-12 40 10.60	-0.020	20	0.33	31.683	18	33.6	10.28	16	33.6	G0	J	11	8057	A -13 6303
91		9.0A	53 38.396	-0.0010	17	-13 0 17.47	0.035	18	0.33	38.411	18	33.6	18.05	16	33.6	F8	J	11	8058	A -13 6304
92		8.9A	53 41.873	-0.0009	15	-10 10 0.86	-0.028	17	0.31	41.887	18	33.6	0.40	16	33.6	G5	J	11	8059	A -10 6022
93		9.1A	53 48.873	0.0017	17	-10 13 40.01	-0.015	18	0.33	48.844	18	33.6	39.77	16	33.6	K0	J	11	8060	A -10 6023
94		8.0A	53 51.403	-0.0000	21	-15 15 24.53	-0.000	15	0.34	51.403	18	33.6	24.53	16	33.6	K0	J	12A	8511	A -15 6305
95		8.5A	54 12.136	0.0013	17	-10 31 48.97	-0.009	18	0.33	12.115	18	33.6	48.83	16	33.6	A0	J	11	8061	A -11 5953
96		8.9A	54 14.413	0.0003	15	-10 40 5.27	0.008	17	0.31	14.408	18	33.6	5.41	16	33.6	K2	J	11	8062	A -11 5954
97		8.6A	54 14.483	-0.0007	21	-16 32 15.87	0.019	15	0.34	14.494	18	33.6	16.18	16	33.6	G5	J	12A	8512	A -17 6625
98		9.1A	54 18.979	0.0021	18	-13 24 8.39	0.031	13	0.31	18.944	18	33.6	8.90	16	33.6	F8	J	12A	8513	A -13 6306
99		8.0A	54 29.407	-0.0000	20	-19 49 16.55	-0.045	15	0.33	29.407	16	33.6	15.82	16	33.6	K0	J	13A	9665	A*-20 6511
00		9.2A	54 36.346	0.0003	21	-15 5 7.32	0.012	15	0.34	36.341	18	33.6	7.52	16	33.6	A5	J	12A	8514	A -15 6306

165400

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	σ'_μ ″.001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	CAT.	SOURCE STAR NUMBER	DM NUMBER
1		9.0A	22 54 48.391	0.0005	21	-17 13 35.19	0.002	15	0.34	48.384	18	33.6	35.22	16	33.6	G5 J	12A	8515	A -17 6628
2		8.6A	54 54.923	0.0030	18	-16 48 5.09	-0.013	13	0.31	54.875	18	33.6	4.88	16	33.6	G0 J	12A	8516	A -17 6630
3		9.3A	55 1.433	-0.0020	20	-17 22 16.04	0.019	15	0.33	1.466	18	33.6	16.35	16	33.6	K5 J	12B	9669	A -17 6631
4		9.0A	55 4.815	0.0051	21	-14 42 58.03	0.031	15	0.34	4.731	18	33.6	58.55	16	33.6	K2 J	12A	8518	A -15 6308
5		8.8A	55 16.086	0.0029	21	-14 33 32.82	0.008	15	0.34	16.039	18	33.6	32.96	16	33.6	K0 J	12A	8519	A -15 6310
6		8.6A	55 17.648	-0.0005	20	-18 38 1.07	-0.023	15	0.33	17.658	18	33.6	0.69	16	33.6	K0 J	12B	9672	A -19 6373
7		8.1A	55 23.168	-0.0009	20	-19 14 26.26	-0.024	15	0.33	23.183	18	33.6	25.86	16	33.6	K5 J	12B	9673	A -19 6374
8		8.9A	55 24.848	-0.0007	20	-18 58 27.49	-0.018	15	0.33	24.860	18	33.6	27.19	16	33.6	F2 J	12B	9674	A -19 6375
9		8.7A	55 29.669	0.0011	15	-11 23 58.91	-0.001	17	0.31	29.650	18	33.6	58.90	16	33.6	F5 J	11	8064	A -11 5961
10		8.2A	55 29.698	-0.0035	20	-17 57 38.64	0.012	15	0.33	29.755	18	33.6	38.84	16	33.6	A2 J	12B	9675	A -18 6225
11		8.8A	55 31.752	0.0009	21	-16 10 24.95	-0.026	15	0.34	31.736	18	33.6	24.53	16	33.6	G5 J	12A	8520	A -16 6184
12		8.6A	55 32.063	-0.0025	18	-18 39 33.39	-0.034	13	0.31	32.105	18	33.6	32.83	16	33.6	F5 J	12B	9676	A -19 6376
13		9.0A	55 44.210	0.0003	15	-10 32 2.24	-0.030	17	0.31	44.205	18	33.6	1.75	16	33.6	K0 J	11	8065	A -11 5963
14		9.3A	55 51.729	-0.0033	15	-12 38 23.08	-0.033	17	0.31	51.784	18	33.6	22.55	16	33.6	K0 J	11	8066	A -13 6311
15		9.2A	56 7.951	0.0037	20	-18 52 35.86	-0.014	15	0.33	7.890	18	33.6	35.63	16	33.6	G0 J	12B	9678	A -19 6378
16		9.4A	56 9.707	-0.0000	21	-16 56 13.47	0.010	15	0.34	9.708	18	33.6	13.63	16	33.6	K2 J	12A	8521	A -17 6635
17		8.4A	56 12.330	0.0073	21	-16 48 47.47	-0.001	15	0.34	12.210	18	33.6	47.45	16	33.6	G5 J	12A	8522	A -17 6636
18		8.6A	56 21.604	0.0050	15	-11 16 55.76	-0.067	15	0.30	21.522	18	33.6	54.66	16	33.6	K0 J	11	8067	A -11 5964
19		8.8A	56 22.116	0.0001	15	-10 58 48.52	0.046	17	0.31	22.115	18	33.6	49.28	16	33.6	K0 J	11	8068	A -11 5965
20		9.4A	56 26.317	-0.0006	21	-17 9 37.70	0.004	15	0.34	26.327	18	33.6	37.77	16	33.6	K0 J	12A	8523	A -17 6637
21		8.5A	56 33.163	0.0060	20	-17 25 40.39	0.061	15	0.33	33.064	18	33.6	41.39	16	33.6	A5 J	12B	9680	A -17 6638
22		8.8A	56 55.475	0.0001	21	-14 30 8.53	0.011	15	0.34	55.473	18	33.6	8.72	16	33.6	A3 J	12A	8525	A -15 6314
23		8.8A	56 55.752	0.0096	15	-13 1 41.76	-0.059	17	0.31	55.594	18	33.6	40.80	16	33.6	G0 J	11	8069	A -13 6317
24		8.9A	56 57.291	0.0043	21	-16 22 37.69	-0.021	15	0.34	57.219	18	33.6	37.34	16	33.6	F8 J	12A	8526	A -16 6188
25		6.3T	56 57.746	-0.0009	04	-13 20 21.28	0.003	04	0.23	57.789	07	99.4	21.46	07	95.9	K2		GC 32038	B* -13 6318
26		8.2A	57 7.626	0.0033	21	-16 39 51.21	-0.172	15	0.34	7.572	18	33.6	48.39	16	33.6	G0 J	12A	8528	A -17 6640
27		8.7A	57 8.279	0.0029	21	-14 31 47.10	0.012	15	0.34	8.231	18	33.6	47.31	16	33.6	K0 J	12A	8529	A -15 6315
28		8.6A	57 11.156	0.0007	15	-11 9 12.49	0.019	17	0.31	11.144	18	33.6	12.81	16	33.6	G0 J	11	8071	A -11 5968
29		8.5A	57 30.674	-0.0008	15	-11 13 58.89	0.026	17	0.31	30.687	18	33.6	59.32	16	33.6	F8 J	11	8072	A -11 5972
30		9.5A	57 36.616	-0.0024	15	-12 14 55.36	-0.035	15	0.30	36.656	18	33.6	54.79	16	33.6	F8 J	11	8073	A -12 6394
31		9.2A	57 50.661	0.0046	20	-19 53 27.80	0.002	15	0.33	50.586	16	33.6	27.84	16	33.6	G0 J	13A	9683	A -20 6519
32		9.2A	58 0.064	-0.0012	21	-14 42 32.02	0.006	15	0.34	0.084	18	33.6	32.13	16	33.6	F8 J	12A	8530	A -15 6320
33		8.4T	58 9.034	0.0140	11	-14 31 38.11	-0.048	10	0.56	8.351	15	01.2	35.55	15	96.3	G0		GC 32066	-15 6321
34		8.0A	58 12.768	0.0024	21	-17 8 58.23	0.000	15	0.34	12.729	18	33.6	58.23	16	33.6	G5 J	12A	8532	A -17 6646
35		7.5A	58 15.485	-0.0000	20	-19 36 56.70	0.015	15	0.33	15.485	16	33.6	56.95	16	33.6	G5 J	13A	9685	A -20 6523
36		9.2A	58 32.617	-0.0015	20	-19 27 27.16	0.052	15	0.33	32.641	16	33.6	28.01	16	33.6	G5 J	13A	9686	A -19 6383
37		8.7A	58 37.070	-0.0003	15	-13 4 37.95	-0.009	17	0.31	37.075	18	33.6	37.81	16	33.6	K2 J	11	8075	A -13 6322
38		8.8A	58 40.119	0.0020	12	-11 30 18.08	0.021	13	0.27	40.087	18	33.6	18.43	16	33.6	F8 J	11	8076	A -12 6396
39		9.0A	58 45.833	0.0015	17	-11 25 56.13	-0.044	17	0.32	45.809	18	33.6	55.41	16	33.6	K0 J	11	8077	A -11 5978
40		7.8A	58 46.545	0.0035	21	-14 32 23.59	-0.041	15	0.34	46.488	18	33.6	22.93	16	33.6	K0 J	12A	8533	A -15 6325
41		8.8A	58 48.256	0.0005	20	-18 34 27.32	-0.009	15	0.33	48.267	18	33.6	27.17	16	33.6	F2 J	12B	9687	A -19 6384
42		9.2A	58 49.466	-0.0001	21	-15 28 42.17	-0.025	15	0.34	49.467	18	33.6	41.76	16	33.6	K0 J	12A	8534	A -15 6326
43		8.6A	58 51.841	-0.0030	15	-12 23 6.26	-0.006	17	0.31	51.890	18	33.6	6.36	16	33.6	G0 J	11	8078	A -12 6398
44		9.0A	58 53.103	-0.0001	21	-15 38 31.18	-0.095	15	0.34	53.104	18	33.6	29.62	16	33.6	G5 J	12A	8535	A -16 6193
45		9.1A	58 53.264	0.0014	21	-14 14 22.26	-0.014	15	0.34	53.242	18	33.6	22.02	16	33.6	K0 J	12A	8536	A -14 6389
46		9.2A	59 4.183	0.0019	16	-18 28 56.89	0.007	13	0.31	4.152	18	33.6	57.51	16	33.6	G0 J	12B	9688	A -18 6237
47		9.3A	59 16.396	-0.0014	21	-16 48 34.31	-0.007	15	0.34	16.419	18	33.6	34.19	16	33.6	G5 J	12A	8537	A -17 6648
48		8.9A	59 27.440	-0.0011	20	-18 44 10.27	-0.003	15	0.33	27.458	18	33.6	10.22	16	33.6	F8 J	12B	9691	A -19 6386
49		8.8A	59 28.011	0.0021	20	-19 42 10.55	0.012	15	0.33	27.976	16	33.6	10.75	16	33.6	G5 J	13A	9692	A -20 6526
50		8.5A	59 31.422	0.0006	16	-15 14 42.03	0.001	13	0.31	31.412	18	33.6	42.04	16	33.6	M2 J	12A	8538	A -15 6330
51		9.0A	22 59 37.946	0.0036	15	-12 40 34.23	-0.010	17	0.31	37.886	18	33.6	34.07	16	33.6	G0 J	11	8079	A -13 6326
52		8.6A	59 38.364	0.0010	20	-19 12 48.45	-0.027	15	0.33	38.347	18	33.6	48.00	16	33.6	A5 J	12B	9693	A -19 6387
53		8.7D	59 46.422	0.0033	06	-11 34 52.49	-0.015	06	0.43	46.250	17	97.1	51.62	15	90.2	F5		GC 32097K	B* -12 6402
54		8.3A	59 54.925	-0.0049	15	-11 32 5.32	-0.001	15	0.30	55.005	18	33.6	5.31	16	33.6	K0 J	11	8082	A -12 6404
55		8.8A	59 58.198	0.0094	15	-10 30 42.59	0.025	17	0.31	58.044	18	33.6	43.00	16	33.6	F5 J	11	8083	A -11 5981
56		6.6T	59 58.230	0.0034	14	-18 48 39.39	-0.006	13	0.69	58.067	21	02.1	39.08	19	00.7	A0		GC 32103K	B* -19 6388
57		9.0A	23 0 5.179	0.0012	21	-13 36 10.59	-0.027	15	0.34	5.159	18	33.6	10.14	16	33.6	F2 J	12A	8539	A -14 6395
58		8.4A	0 5.984	0.0009	21	-14 31 21.46	-0.016	15	0.34	5.969	18	33.6	21.21	16	33.6	K0 J	12A	8540	A -15 6332
59		8.9A	0 7.876	0.0018	18	-19 39 5.30	0.022	12	0.30	7.846	16	33.6	5.66	16	33.6	K0 J	13A	9697	A -20 6530
60		8.2A	0 10.583	-0.0003	16	-13 8 34.00	-0.034	20	0.35	10.587	18	33.6	33.45	16	33.6	K0 J	11	8086	A -13 6327
61		8.9A	0 14.328	0.0005	21	-13 36 28.43	-0.013	15	0.34	14.316	18	33.6	28.21	16	33.6	F2 J	12A	8541	A -14 6396
62		9.0A	0 17.537	0.0015	20	-17 35 24.75	0.019	15	0.33	17.513	18	33.6	25.07	16	33.6	G0 J	12B	9698	A -18 6243
63		8.8A	0 24.381	0.0074	21	-15 23 15.13	-0.033	15	0.34	24.260	18	33.6	14.59	16	33.6	F8 J	12A	8543	A -15 6335
64		9.1A	0 27.642	-0.0029	20	-18 41 49.54	0.009	15	0.33	27.689	18	33.6	49.69	16	33.6	K0 J	12B	9699	A -19 6392
65		9.3A	0 33.592	0.0023	15	-11 17 33.78	-0.060	17	0.31	33.554	18	33.6	32.80	16	33.6	G0 J	11	8089	A -11 5984
66		9.0A	0 36.001	0.0031	15	-11 20 23.32	-0.019	17	0.31	35.950	18	33.6	23.02	16	33.6	G0 J	11	8090	A -11 5985
67		9.1A	0 37.351	0.0029	15	-11 55 26.97	-0.050	17	0.31	37.303	18	33.6	26.15	16	33.6	G5 J	11	8091	A -12 6409
68		9.0A	0 45.688	-0.0014	20	-19 44 45.99	-0.019	15	0.33	45.710	16	33.6	45.68	16	33.6	A0 J	13A	9703	A -20 6534
69		9.0A	0 53.928	0.0029	21	-13 37 13.68	-0.014	15	0.34	53.881	18	33.6	13.44	16	33.6	G0 J	12A	8544	A -14 6397
70		9.0A	1 18.760	-0.0002	21	-14 15 46.67	0.019	15	0.34	18.763	18	33.6	46.98	16	33.6	G5 J	12A	8545	A -14 6398
71		8.7A	1 19.019	0.0017	17	-12 33 24.46	0.054	18	0.33	18.991	18	33.6	25.35	16	33.6	G5 J	11	8093	A -13 6331
72		8.8A	1 35.839	-0.0009	17	-13 3 37.93	0.000	18	0.33	35.883	18	33.6	37.94	16	33.6	F0 J	11	8094	A -13 6333
73		9.0A	1 38.654	0.0013	21	-16 16 45.22	-0.005	15	0.34	38.632	18	33.6	45.14	16	33.6	M2 J	12A	8546	A -16 6201
74		8.8A	1 47.167	0.0023	21	-14 24 41.18	-0.027	15	0.34	47.130	18	33.6	40.73	16	33.6	K0 J	12A	8547	A -14 6399
75		8.9A	1 47.732	0.0045	15	-10 29 13.78	-0.059	17	0.31	47.659	18	33.6	12.82	16	33.6	K0 J	11	8095	A -10 6051
76		9.2A	1 51.614	0.0011	21	-15 31 0.36	-0.015	15	0.34	51.595	18	33.6	6.11	16	33.6	K0 J	12A	8548	A -16 6202
77		8.1A	1 52.884	0.0006	15	-12 28 56.33	-0.019	17	0.31	52.874	18	33.6	56.02	16	33.6	K0 J	11	8096	A -12 6413
78		8.9A	2 8.142	0.0034	21	-14 51 48.47	-0.020	15	0.34	8.086	18	33.6	48.15	16	33.6	G0 J	12A	8549	A -15 6339
79		9.0A	2 10.936	0.0078	21	-15 59 35.93	-0.018	15	0.34	10.809	18	33.6	35.63	16	33.6	G5 J	12A	8550	A -16 6204
80		8.7A	2 15.987	-0.0002	20	-19 21 45.11	0.017	15	0.33	15.971	16	33.6	45.36	16	33.6	K0 J	13A	9705	A -19 6395
81		6.3T	2 34.279	-0.0019	09	-17 20 59.69	-0.030	11	0.61	34.394	15	90.7	53.98	15	92.2	K0		GC 32154	-17 6661
82		7.0T	2 43.154	0.0028	11	-17 10 6.83	0.014	11	0.70	42.981	17	87.6	7.47	17	90.2	G5		GC 32161	-17 6663
83		8.7A	2 46.207	-0.0020	21	-15 42 2.21	-0.036	15	0.34	46.239	18	33.6	1.62	16	33.6	G5 J	12A	8553	A -16 6205
84		9.0A	2 54.572	0.0084	21	-15 19 58.91	-0.086	15	0.34	54.467	18	33.6	57.83	16	33.6	G0 J	12A	8554	A -15 6341
85		8.8A	2 57.540	0.0028	21	-14 40 6.74	-0.005	15	0.34	57.494	18	33.6	6.67	16	33.6	G5 J	12A	8555	A -15 6342
86		9.1A	3 1.180	-0.0009	20	-18 37 57.06	-0.034	15	0.33	1.194	18	33.6	56.50	16	33.6	F5 J	12B	9708	A -19 6396
87		8.0A	3 12.826	0.0021	15	-11 9 35.89	0.022	17	0.31	12.790	18	33.6	36.26	16	33.6	A3 J	11	8098	A -11 5996
88		7.8A	3 14.592	0.0031	21	-15 43 22.02	0.004	15	0.34	14.542	18	33.6	22.09	16	33.6	F5 J	12A	8556	A -16 6206
89		7.7A	3 16.834	0.0002	15	-10 42 28.66	-0.012	17	0.31	16.831	18	33.6	28.47	16	33.6	A2 J	11	8099	A -11 5997
90		8.1A	3 18.503	0.0002	21	-14 42 53.02	0.021	15	0.34	18.499	18	33.6	53.37	16	33.6	G5 J	12A	8557	A -15 6343
91		9.4A	3 20.137	0.0025	20	-18 55 23.00	0.009	15	0.33	20.095	18	33.6	23.14	16	33.6	K0 J	12B	9709	A -19 6399
92		9.2A	3 25.904	-0.0023	15	-10 38 44.02	0.019	17	0.31	25.942	18	33.6	44.34	16	33.6	K2 J	11	8100	A -11 5998
93		9.2A	3 40.884	-0.0018	17	-13 13 59.22	0.031	18	0.33	40.913	18	33.6	59.73	16	33.6	G0 J	11	8102	A -13 6336
94		9.2A	3 45.090	0.0005	21	-13 56 4.93	-0.029	15	0.34	45.082	18	33.6	4.44	16	33.6	F8 J	12A	8558	A -14 6406
95		8.9A	3 48.668	0.0036	15	-12 45 21.77	0.044	15	0.30	48.608	18	33.6	22.49	16	33.6	F8 J	11	8104	A -13 6339
96		9.0A	3 52.619	0.0018	21	-14 1 20.63	0.004	15	0.34	52.594	18	33.6	20.69	16	33.6	M1 J	12A	8559	A -14 6407
97		8.6A	3 59.089	0.0066	18	-19 43 47.01	-0.086	12	0.30	58.960	16	33.6	45.93	16	33.6	F8 J	13A	9711	A -20 6541
98		9.1A	4 0.484	-0.0001	21	-14 52 29.16	-0.020	15	0.34	0.486	18	33.6	28.84	16	33.6	K0 J	12A	8561	A -15 6347
99		9.2A	4 0.734	0.0129	21	-15 8 5.35	0.078	15	0.34	0.525	18	33.6	6.62	16	33.6	G5 J	12A	8560	A -15 6340
00		9.0A	4 3.172	-0.0002	21	-16 54 38.12	-0.006	15	0.34	3.177	18	33.6	38.02	16	33.6	K2 J	12A	8562	A -17 6671

-10°
22H

165500

EPOCH 1950 — ORIGINAL EPOCH — SOURCE — −10° 23H

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	σ'_μ ″.001	σ_{1950} ″	α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	CAT.	STAR NUMBER	DM NUMBER
1		9.1A	23 4 5.967	0.0056	21	-15 14 21.12	0.009	15	0.34	5.876	18	33.6	21.27	16	33.6	K0 J	12A	8563	A -15 6348
2		8.5Q	4 21.677	0.0014	06	-12 59 58.24	-0.113	07	0.36	21.599	07	96.1	52.42	09	98.3	F8	GC	32191	-13 6344
3		8.9A	4 36.858	0.0010	15	-12 7 7.29	0.014	15	0.30	36.841	18	33.6	7.53	16	33.6	K0 J	11	8106	A -12 6425
4		7.6A	4 47.320	-0.0013	15	-12 4 37.77	0.012	17	0.31	47.341	18	33.6	37.97	16	33.6	A2 J	11	8107	A -12 6426
5		8.6A	5 23.539	-0.0009	20	-19 28 34.74	0.024	15	0.33	23.553	16	33.6	35.13	16	33.6	G5 J	13A	9717	A -19 6404
6		9.0A	5 31.556	0.0087	21	-16 36 47.56	-0.060	15	0.34	31.415	18	33.6	46.58	16	33.6	G0 J	12A	8564	A -17 6680
7		8.8A	5 37.523	-0.0030	20	-17 19 43.77	-0.082	15	0.33	37.573	18	33.6	42.43	16	33.6	G0 J	12B	9719	A -17 6681
8		8.0A	5 40.479	-0.0020	21	-17 1 14.02	-0.044	15	0.34	40.512	18	33.6	13.30	16	33.6	K0 J	12A	8566	A -17 6682
9		8.7A	5 44.005	0.0034	15	-11 52 5.42	0.072	17	0.31	43.949	18	33.6	6.60	16	33.6	F8 J	11	8110	A -12 6429
10		8.6A	6 1.072	0.0061	21	-15 19 13.52	-0.276	15	0.34	0.971	18	33.6	9.00	16	33.6	F5 J	12A	8567	A -15 6355
11		8.4A	6 4.203	-0.0076	20	-19 1 20.90	-0.027	15	0.33	4.328	18	33.6	20.45	16	33.6	G0 J	12B	9720	A -19 6408
12		9.1A	6 8.771	0.0030	20	-19 18 58.27	-0.030	15	0.33	8.721	16	33.6	57.78	16	33.6	F5 J	13A	9721	A -19 6409
13		8.9A	6 14.987	0.0026	20	-17 42 9.75	0.011	15	0.33	14.943	18	33.6	9.93	16	33.6	F8 J	12B	9722	A -18 6257
14		9.0A	6 24.505	0.0007	21	-13 59 15.26	-0.015	15	0.34	24.493	18	33.6	15.00	16	33.6	G0 J	12A	8568	A -14 6412
15		8.7A	6 31.037	0.0065	15	-10 57 53.57	0.033	17	0.31	30.930	18	33.6	54.11	16	33.6	F5 J	11	8111	A -11 6011
16		8.7A	6 46.194	-0.0006	20	-18 53 53.89	0.007	15	0.33	46.203	18	33.6	54.00	16	33.6	F8 J	12B	9725	A -19 6410
17		8.8A	6 49.649	-0.0049	15	-12 53 23.46	0.008	17	0.31	49.729	18	33.6	23.60	16	33.6	G0 J	11	8113	A -13 6351
18		9.0A	6 55.181	0.0032	15	-11 26 37.23	0.002	17	0.31	55.129	18	33.6	37.27	16	33.6	F5 J	11	8114	A -11 6014
19		9.2A	7 1.537	0.0001	20	-19 25 26.04	-0.016	15	0.33	1.536	16	33.6	25.78	16	33.6	K5 J	13A	9726	A -19 6411
20		9.1A	7 1.800	-0.0031	17	-12 19 3.76	0.010	18	0.33	1.851	18	33.6	3.93	16	33.6	G5 J	11	8115	A -12 6433
21		8.7A	7 8.098	0.0010	18	-12 21 30.50	0.000	20	0.35	8.081	18	33.6	30.51	16	33.6	G5 J	11	8116	A -12 6435
22		6.2T	7 11.947	0.0047	18	-14 46 55.21	-0.016	16	0.92	11.708	24	99.1	54.37	22	96.3	A0	GC	32261	-15 6360
23		8.8A	7 13.280	0.0002	20	-17 48 45.07	-0.024	15	0.33	13.277	18	33.6	44.69	16	33.6	G5 J	12B	9727	A -18 6258
24		9.0A	7 16.217	0.0030	21	-15 18 50.70	0.095	15	0.34	16.168	18	33.6	52.25	16	33.6	F8 J	12A	8570	A -15 6361
25		8.4A	7 20.642	0.0030	18	-10 47 18.29	0.021	20	0.35	20.593	18	33.6	18.64	16	33.6	G0 J	11	8117	A -11 6015
26		8.6A	7 26.083	0.0036	20	-18 58 31.35	-0.005	15	0.33	26.024	18	33.6	31.26	16	33.6	K5 J	12B	9728	A -19 6412
27		8.8A	7 26.247	0.0016	21	-16 27 34.96	-0.015	15	0.34	26.220	18	33.6	34.71	16	33.6	A2 J	12A	8571	A -16 6224
28		8.6A	7 27.227	-0.0020	20	-17 43 6.45	0.027	15	0.33	27.259	18	33.6	6.90	16	33.6	K2 J	12B	9729	A -18 6259
29		9.2A	7 32.506	0.0005	21	-16 25 40.32	0.007	15	0.34	32.498	18	33.6	40.43	16	33.6	G0 J	12A	8572	A -16 6225
30		7.4A	7 43.212	0.0037	21	-13 54 59.16	0.034	15	0.34	43.152	18	33.6	59.71	16	33.6	K2 J	12A	8573	A -14 6413
31		8.6A	7 44.090	-0.0001	20	-11 45 2.50	-0.004	20	0.36	44.091	18	33.6	2.44	16	33.6	K0 J	11	8118	A -12 6438
32		8.8A	7 48.127	0.0023	21	-13 34 52.08	0.008	15	0.34	48.089	18	33.6	52.20	16	33.6	K2 J	12A	8574	A -14 6415
33		8.5A	8 2.069	-0.0003	20	-17 49 58.79	0.031	15	0.33	2.073	18	33.6	59.30	16	33.6	F8 J	12B	9732	A -18 6262
34		8.9A	8 3.762	0.0007	21	-13 38 30.17	0.016	15	0.34	3.751	18	33.6	30.42	16	33.6	K5 J	12A	8575	A -14 6416
35		9.0A	8 13.524	0.0009	18	-11 11 40.80	-0.002	15	0.32	13.510	18	33.6	40.76	16	33.6	K0 J	12B	9734	A -19 6414
36		9.0A	8 22.026	-0.0042	20	-19 0 6.58	-0.047	15	0.33	22.095	18	33.6	5.81	16	33.6	G	12B	9736	A -19 6415
37		8.8A	8 24.218	0.0013	20	-18 55 8.30	0.030	15	0.33	24.197	18	33.6	8.78	16	33.6	K0 J	12B	9737	A -19 6416
38		9.1A	8 31.801	0.0014	21	-16 16 9.74	0.001	15	0.34	31.778	18	33.6	9.76	16	33.6	G0 J	12A	8576	A -16 6231
39		9.0A	8 32.528	0.0033	21	-14 9 52.09	0.019	15	0.34	32.473	18	33.6	52.39	16	33.6	K0 J	12A	8577	A -14 6417
40		9.0A	8 35.386	-0.0009	21	-16 45 56.27	0.007	15	0.34	35.402	18	33.6	56.39	16	33.6	K0 J	12A	8578	A -17 6691
41		8.4A	8 37.294	-0.0002	21	-15 27 20.90	-0.005	15	0.34	37.297	18	33.6	20.82	16	33.6	K0 J	12A	8579	A -15 6365
42		8.5A	8 45.793	0.0003	17	-12 58 24.72	0.020	18	0.33	45.788	18	33.6	25.05	16	33.6	A5 J	11	8122	A -13 6355
43		8.8A	8 46.739	-0.0043	21	-16 31 17.13	-0.054	15	0.34	46.810	18	33.6	16.25	16	33.6	G0 J	12A	8580	A -17 6692
44		9.1A	8 51.746	0.0006	17	-12 59 19.95	0.000	18	0.33	51.737	18	33.6	19.96	16	33.6	K0 J	11	8123	A -13 6357
45		8.8A	8 52.359	-0.0030	17	-10 46 50.57	-0.027	18	0.33	52.408	18	33.6	50.13	16	33.6	F0 J	11	8124	A -11 6021
46		9.2A	9 0.605	0.0005	18	-18 34 8.13	0.020	15	0.32	0.597	18	33.6	8.45	16	33.6	G5 J	12B	9739	A -19 6417
47		8.8A	9 3.879	0.0100	21	-17 10 23.74	-0.023	15	0.34	3.715	18	33.6	23.37	16	33.6	G0 J	12A	8581	A -17 6694
48		9.3A	9 4.254	0.0022	18	-14 16 47.73	0.002	15	0.31	4.218	18	33.6	47.76	16	33.6	F8 J	12A	8582	A -14 6419
49		8.8A	9 7.820	-0.0008	21	-16 26 8.92	0.014	15	0.34	7.834	18	33.6	9.15	16	33.6	G5 J	12A	8583	A -16 6236
50		9.3A	9 20.359	-0.0008	20	-18 46 23.52	0.023	15	0.33	20.372	18	33.6	23.89	16	33.6	G0 J	12B	9741	A -19 6420
51		7.0T	23 9 22.799	0.0015	05	-12 12 18.59	-0.021	04	0.26	22.718	07	97.8	17.44	07	94.5	K0	GC	32304K	B -12 6444
52		8.8A	9 38.383	0.0051	21	-16 7 50.65	-0.003	15	0.34	38.299	18	33.6	50.60	16	33.6	G5 J	12A	8584	A -16 6238
53		9.0A	9 44.286	0.0025	20	-17 23 20.02	-0.010	15	0.33	44.246	18	33.6	19.85	16	33.6	G0 J	12B	9742	A -17 6698
54		8.6A	9 45.310	-0.0001	20	-17 37 33.94	0.034	15	0.33	45.311	18	33.6	34.50	16	33.6	K0 J	12B	9743	A -17 6267
55		8.5A	9 56.340	-0.0006	18	-17 35 36.86	0.012	15	0.32	56.349	18	33.6	37.06	16	33.6	K5 J	12B	9745	A -18 6268
56		8.6A	9 59.765	-0.0072	18	-10 36 29.06	0.022	20	0.35	59.883	18	33.6	29.42	16	33.6	G0 J	11	8126	A -11 6023
57		9.4A	10 10.918	0.0019	21	-15 16 22.76	0.030	15	0.34	10.887	18	33.6	23.25	16	33.6	K0 J	12A	8588	A -15 6369
58		8.5A	10 11.586	0.0019	17	-13 5 41.10	0.012	18	0.33	11.555	18	33.6	41.30	16	33.6	K2 J	11	8127	A -13 6364
59		8.8A	10 12.158	-0.0044	15	-12 52 12.37	-0.066	17	0.31	12.230	18	33.6	11.29	16	33.6	G0 J	11	8128	A -13 6365
60		9.2A	10 24.686	-0.0005	21	-16 31 50.45	0.006	15	0.34	24.694	18	33.6	50.55	16	33.6	G0 J	12A	8589	A -17 6700
61		9.0A	10 32.739	0.0002	17	-12 56 16.86	-0.017	17	0.32	32.735	18	33.6	16.59	16	33.6	F8 J	11	8130	A -13 6367
62		7.9A	10 37.962	0.0024	20	-18 38 30.29	0.025	15	0.33	37.923	18	33.6	30.69	16	33.6	F5 J	12B	9748	A -19 6425
63		9.4A	10 51.933	0.0014	17	-11 37 2.93	0.027	17	0.32	51.910	18	33.6	3.38	16	33.6	F8 J	11	8131	A -12 6448
64		8.6A	10 52.033	0.0014	20	-17 38 28.98	0.015	15	0.33	52.010	18	33.6	29.23	16	33.6	K0 J	12B	9749	A -18 6271
65		8.8A	10 53.274	0.0020	18	-10 12 7.89	0.026	20	0.35	53.241	18	33.6	6.32	16	33.6	K0 J	11	8133	A -10 6064
66		8.9A	10 59.375	-0.0003	15	-10 53 19.42	-0.016	17	0.31	59.380	18	33.6	19.16	16	33.6	K5 J	11	8134	A -11 6025
67		9.0A	11 2.993	-0.0014	21	-17 11 44.74	-0.023	15	0.34	3.016	18	33.6	44.36	16	33.6	F5 J	12A	8591	A -17 6703
68		8.0A	11 5.338	0.0001	18	-10 35 26.98	0.001	20	0.35	5.337	18	33.6	27.00	16	33.6	F8 J	11	8135	A -11 6027
69		9.1A	11 7.567	-0.0016	21	-16 28 21.45	-0.007	15	0.34	7.593	18	33.6	21.34	16	33.6	G5 J	12A	8592	A -16 6240
70		9.2A	11 9.202	-0.0003	21	-16 35 51.86	0.015	15	0.34	9.208	18	33.6	52.10	16	33.6	G0 J	12A	8593	A -17 6704
71		7.3T	11 11.082	-0.0007	11	-13 40 0.08	-0.013	10	0.63	11.119	21	95.6	59.30	19	92.1	K2	GC	32336K	-14 6424
72		8.9A	11 22.305	-0.0094	15	-10 46 39.06	-0.001	15	0.30	22.460	18	33.6	39.05	16	33.6	F8 J	11	8136	A -11 6030
73		7.5T	11 28.790	0.0031	12	-19 58 4.65	0.032	17	0.76	28.628	21	97.6	6.19	22	02.1	A2	GC	32341	-20 6557
74		7.6A	11 39.483	0.0002	21	-17 10 53.51	-0.006	15	0.34	39.480	18	33.6	53.41	16	33.6	K0 J	12A	8595	A -17 6705
75		8.5A	11 41.412	0.0001	20	-17 39 1.03	-0.036	15	0.33	41.418	18	33.6	0.44	16	33.6	K0 J	12B	9751	A -18 6274
76		8.5A	11 53.126	-0.0046	20	-19 8 53.17	-0.057	15	0.33	53.202	18	33.6	52.23	16	33.6	F2 J	12B	9752	A -19 6426
77		8.7A	11 53.864	0.0018	15	-10 43 59.90	0.016	17	0.31	53.834	18	33.6	+ 0.17	16	33.6	F2 J	11	8137	A -11 6031
78		6.4T	12 3.855	-0.0003	05	-10 57 38.91	-0.031	05	0.22	3.870	06	04.7	37.53	06	05.2	K5	GC	32354K	-11 6032
79		9.0A	12 5.243	0.0006	21	-14 43 7.52	-0.012	15	0.34	5.233	18	33.6	7.33	16	33.6	K0 J	12A	8597	A -15 6374
80		9.2A	12 10.770	0.0040	21	-13 53 47.42	-0.033	15	0.34	10.705	18	33.6	46.87	16	33.6	G0 J	12A	8598	A -14 6428
81		7.4A	12 15.328	0.0002	21	-16 30 41.76	-0.031	15	0.34	15.326	18	33.6	41.25	16	33.6	K0 J	12A	8599	A -17 6710
82		8.8A	12 22.814	0.0085	21	-15 24 57.73	-0.070	15	0.34	22.675	18	33.6	56.58	16	33.6	G5 J	12A	8600	A -15 6376
83		8.9A	12 33.025	0.0014	15	-11 12 15.09	-0.032	17	0.31	33.002	18	33.6	14.57	16	33.6	F8 J	11	8140	A -11 6033
84		9.1A	12 39.235	0.0026	21	-16 57 3.36	-0.004	15	0.34	39.193	18	33.6	3.30	16	33.6	F8 J	12A	8601	A -17 6713
85		7.6A	12 43.655	0.0024	21	-14 17 17.50	0.006	15	0.34	43.616	18	33.6	17.59	16	33.6	K0 J	12A	8602	A -14 6429
86		7.9A	12 44.443	-0.0021	12	-11 50 17.07	-0.024	13	0.27	44.476	18	33.6	16.68	16	33.6	A2 J	11	8142	A -12 6453
87		9.0A	12 44.667	-0.0006	21	-13 37 48.59	-0.003	15	0.34	44.678	18	33.6	48.53	16	33.6	K5 J	12A	8603	A -14 6431
88		9.0A	12 48.604	-0.0005	21	-16 43 11.42	-0.028	15	0.34	48.613	18	33.6	10.96	16	33.6	K0 J	12A	8604	A -17 6714
89		8.9A	12 50.329	0.0012	15	-12 38 38.66	0.017	17	0.31	50.310	18	33.6	38.95	16	33.6	F0 J	11	8143	A -13 6371
90		8.8A	12 52.478	0.0031	21	-14 48 43.65	0.037	15	0.34	52.428	18	33.6	44.26	16	33.6	A2 J	12A	8605	A -15 6380
91		9.0A	12 54.404	-0.0027	18	-16 7 46.91	0.001	13	0.31	54.448	18	33.6	46.93	16	33.6	K2 J	12A	8606	A -16 6246
92		8.1A	12 59.988	0.0015	17	-11 54 17.83	0.009	20	0.34	59.963	18	33.6	17.98	16	33.6	K5 J	11	8144	A -12 6454
93		9.2A	13 2.140	-0.0012	21	-17 8 56.99	-0.006	15	0.34	2.159	18	33.6	56.89	16	33.6	F8 J	12A	8607	A -17 6715
94		8.8A	13 9.513	-0.0027	15	-11 18 58.32	0.034	17	0.31	9.557	18	33.6	58.88	16	33.6	F8 J	11	8145	A -11 6036
95		8.2A	13 15.445	0.0047	21	-13 27 24.08	-0.008	15	0.34	15.368	18	33.6	23.95	16	33.6	F0 J	12A	8608	A -13 6372
96		8.8A	13 18.639	-0.0004	17	-10 38 25.55	-0.022	18	0.33	18.646	18	33.6	25.20	16	33.6	K5 J	11	8149	A -11 6038
97		8.2A	13 51.608	0.0051	15	-10 29 1.21	-0.074	17	0.31	51.524	18	33.6	0.00	16	33.6	F8 J	11	8151	A -11 6040
98		8.9A	13 55.087	0.0002	21	-14 45 48.17	-0.029	15	0.34	55.084	18	33.6	47.70	16	33.6	K5 J	12A	8609	A -15 6383
99		8.8A	14 1.678	0.0015	21	-15 50 8.03	-0.009	15	0.34	1.652	18	33.6	5.88	16	33.6	G0 J	12A	8610K	A -16 6250
00		9.0A	14 6.626	0.0005	15	-12 14 29.47	0.020	17	0.31	6.618	18	33.6	29.80	16	33.6	M3 J	11	8152	A -12 6457

165600			EPOCH 1950								ORIGINAL EPOCH						SP.	SOURCE		-10° 23H
NUMBER	MAGNITUDES		α_{1950}	μ	σ_μ	δ_{1950}	μ'	σ_μ	σ_{1950}		α_2	σ	ep.	δ_2	σ'	ep.		CAT.	STAR NUMBER	
	m_{pg}	m_v	h m s	s	″.001	° ′ ″	″	″.001	″		s	″.01		″	″.01					DM NUMBER
1		8.1A	23 14 12.736	0.0030	21	-17 33 21.73	0.017	15	0.34		12.686	18	33.6	22.01	16	33.6	K2 J	12A	8611	A -18 6279
2		7.0T	14 20.385	-0.0027	18	-19 8 48.97	-0.027	16	0.84		20.516	15	01.4	47.67	17	02.2	K0	GC	32404	-19 6429
3		8.2A	14 26.124	0.0003	15	-10 38 38.50	-0.031	17	0.31		28.119	18	33.6	38.00	16	33.6	G5 J	11	8153	A -11 6042
4		8.3Q	14 29.750	-0.0351	11	-14 6 28.11	-1.186	11	0.56		31.448	15	01.6	27.72	15	99.1	F8	GC	32412K	B+-14 6437
5		7.8A	14 30.899	0.0062	18	-18 26 18.87	-0.017	13	0.31		30.797	18	33.6	18.60	16	33.6	K0 J	12B	9770	A -18 6280
6		9.2A	14 34.796	0.0002	20	-19 2 40.23	-0.012	15	0.33		34.792	18	33.6	40.03	16	33.6	K2 J	12B	9771	A -19 6430
7		6.6T	14 50.728	0.0005	11	-16 26 43.85	-0.002	10	0.60		50.705	22	96.4	43.73	19	93.0	B8	GC	32417	-16 6254
8		8.1A	14 52.203	0.0086	21	-13 54 56.21	-0.122	15	0.34		52.063	18	33.6	54.20	16	33.6	G5 J	12A	8814	A -14 6438
9		6.4T	15 3.487	0.0024	06	-11 59 11.47	0.000	06	0.36		3.361	09	96.2	11.49	09	94.6	A0	GC	32421	-12 6461
10		9.1A	15 3.909	-0.0010	20	-19 1 31.65	-0.030	15	0.33		4.006	18	33.6	31.16	16	33.6	F8 J	12B	9772	A -19 6431
11		8.2A	15 7.633	-0.0010	15	-13 4 5.16	-0.023	17	0.31		7.648	18	33.6	4.79	16	33.6	K0 J	11	8155	A -13 6377
12		8.8A	15 16.752	0.0022	21	-13 30 3.50	-0.018	15	0.34		16.716	18	33.6	3.19	16	33.6	K2 J	12A	8815	A -14 6440
13		8.2A	15 17.037	0.0139	15	-11 32 14.38	0.053	17	0.31		16.808	18	33.6	15.25	16	33.6	F8 J	11	8157	A -12 6462
14		6.8T	15 19.607	-0.0007	15	-14 4 5.01	0.002	11	0.60		19.637	18	09.2	6.09	18	00.9	K0	GC	32430	B+-14 6441
15		9.0A	15 41.260	0.0076	21	-15 20 38.29	-0.056	15	0.34		41.136	18	33.6	37.37	16	33.6	G0 J	12A	8818	A -15 6391
16		9.0A	15 44.306	-0.0012	21	-14 9 37.10	-0.045	15	0.34		44.326	18	33.6	36.35	16	33.6	G5 J	12A	8819	A -14 6443
17		7.0T	15 51.572	0.0007	13	-19 6 54.53	0.023	12	0.71		51.536	22	97.8	55.79	19	94.9	K5	GC	32444	-19 6433
18		9.0A	15 54.658	-0.0019	20	-18 39 51.83	0.029	15	0.33		54.689	18	33.6	52.30	16	33.6	F5 J	12B	9775	A -19 6434
19		9.1A	16 12.177	0.0004	15	-12 25 10.72	0.013	17	0.31		12.171	18	33.6	10.94	16	33.6	G5 J	11	8159	A -12 6465
20		8.6A	16 17.230	-0.0033	15	-12 4 24.70	0.007	15	0.30		17.284	18	33.6	24.82	16	33.6	F8 J	11	8160	A -12 6466
21		8.8A	16 19.071	-0.0003	21	-14 8 17.62	-0.015	15	0.34		19.076	18	33.6	17.36	16	33.6	K0 J	12A	8820	A -14 6447
22		7.6A	16 25.687	0.0025	15	-12 26 36.60	0.016	17	0.31		25.646	18	33.6	38.87	16	33.6	A0 J	11	8162	A -12 6468
23		9.2A	16 27.394	0.0013	21	-13 21 41.80	-0.017	15	0.34		27.372	18	33.6	41.53	16	33.6	K0 J	12A	8821	A -13 6382
24		7.3Q	16 28.764	0.0210	08	-13 43 38.44	-0.088	07	0.41		27.664	15	97.7	33.63	12	95.6		GC	32461K	B+-14 6446
25		5.3T	16 28.940	0.0202	03	-13 43 52.31	-0.098	03	0.19		27.705	07	88.9	46.24	07	88.3	G5	GC	32462K	B+-14 6448
26		9.2A	16 32.317	0.0025	20	-18 58 9.24	-0.009	15	0.33		32.277	18	33.6	9.09	16	33.6	G0 J	12B	9777	A -19 6437
27		9.0A	16 32.596	0.0032	21	-14 31 22.17	0.000	15	0.34		32.544	18	33.6	22.18	16	33.6	F5 J	12A	8824	A -15 6394
28		6.1T	16 46.299	-0.0008	09	-18 20 57.29	0.022	08	0.36		46.331	09	10.2	58.17	09	10.5	K0	GC	32467	-18 6283
29		8.4A	16 49.768	0.0022	18	-18 49 41.27	0.035	15	0.32		49.732	18	33.6	41.84	16	33.6	F0 J	12B	9779	A -19 6438
30		8.9A	16 52.646	-0.0011	21	-15 3 49.68	-0.005	15	0.34		52.664	18	33.6	49.60	16	33.6	F2 J	12A	8825	A -15 6395
31		8.3A	16 59.142	-0.0026	21	-14 20 24.46	-0.021	15	0.34		59.184	18	33.6	24.11	16	33.6	K2 J	12A	8826	A -14 6450
32		7.4T	17 3.322	0.0023	13	-16 3 20.37	0.006	11	0.67		3.207	26	99.5	20.63	22	97.2	G5	GC	32475	-16 6259
33		9.2A	17 13.151	0.0046	21	-16 59 18.35	-0.034	15	0.34		13.075	18	33.6	17.79	16	33.6	G0 J	12A	8828	A -17 6728
34		9.2A	17 19.032	0.0004	21	-16 54 36.44	-0.038	15	0.34		19.025	18	33.6	35.82	16	33.6	K2 J	12A	8829	A -17 6730
35		8.7A	17 42.531	0.0024	21	-14 40 10.47	-0.005	15	0.34		42.491	18	33.6	10.39	16	33.6	K2 J	12A	8830	A -15 6400
36		8.7A	17 50.628	-0.0047	15	-11 5 40.11	-0.046	15	0.30		50.705	18	33.6	39.36	16	33.6	F8 J	11	8166	A -11 6051
37		9.2A	18 9.769	0.0029	20	-19 30 36.48	0.000	15	0.33		9.721	18	33.6	36.48	16	33.6	K2 J	13A	9783	A -20 6580
38		7.6A	18 16.675	0.0040	15	-10 48 22.92	0.002	17	0.31		16.610	18	33.6	22.96	16	33.6	G5 J	11	8167	A -11 6053
39		8.1A	18 18.488	0.0071	20	-19 15 45.77	0.036	15	0.33		18.371	18	33.6	46.35	16	33.6	G0 J	12B	9784	A -19 6444
40		8.7A	18 19.321	0.0005	20	-17 51 35.12	0.018	15	0.33		19.313	18	33.6	35.42	16	33.6	K2 J	12B	9786	A -18 6289
41		9.4A	18 27.270	-0.0016	21	-15 28 54.69	-0.018	15	0.34		27.295	18	33.6	54.39	16	33.6	F8 J	12A	8831	A -16 6265
42		8.4A	18 37.282	-0.0023	15	-13 6 14.54	-0.011	17	0.31		37.319	18	33.6	14.36	16	33.6	K0 J	11	8168	A -13 6386
43		8.0A	18 38.505	0.0008	21	-13 32 36.90	0.006	15	0.34		38.492	18	33.6	36.99	16	33.6	K2 J	12A	8832	A -14 6453
44		8.8A	18 44.752	0.0017	20	-17 47 25.69	-0.012	15	0.33		44.724	18	33.6	25.50	16	33.6	G0 J	12B	9788	A -18 6291
45		8.7A	18 49.915	-0.0011	21	-13 55 56.70	-0.018	15	0.34		49.934	18	33.6	56.40	16	33.6	F2 J	12A	8833	A -14 6455
46		8.4A	18 51.331	0.0018	21	-16 57 46.14	0.008	15	0.34		51.301	18	33.6	46.27	16	33.6	F5 J	12A	8834	A -17 6733
47		8.3A	18 54.068	0.0011	21	-17 8 59.91	0.001	15	0.34		54.049	18	33.6	59.93	16	33.6	A2 J	12A	8835	A -17 6734
48		8.6A	18 56.639	-0.0004	21	-14 18 24.09	-0.005	15	0.34		56.645	18	33.6	24.00	16	33.6	K2 J	12A	8836	A -14 6456
49		8.6A	19 8.100	0.0045	15	-11 8 7.93	-0.041	20	0.33		8.026	18	33.6	7.26	16	33.6	G0 J	11	8170	A -11 6054
50		8.8A	19 14.954	-0.0032	21	-16 34 56.14	0.010	15	0.34		15.006	18	33.6	56.31	16	33.6	G0 J	12A	8837	A -17 6736
51		7.6A	23 19 15.073	-0.0018	15	-10 2 8.25	-0.012	17	0.31		15.103	18	33.6	8.06	16	33.6	B3 J	11	8172	A -10 6098
52		7.4A	19 15.208	0.0001	15	-12 43 23.87	-0.010	17	0.31		15.206	18	33.6	23.71	16	33.6	K0 J	11	8171	A -13 6391
53		9.1A	19 41.135	0.0003	20	-17 21 58.20	0.003	15	0.33		41.130	18	33.6	58.25	16	33.6	K0 J	12B	9790	A -17 6739
54		9.2A	19 46.077	0.0035	13	-13 15 6.02	-0.017	15	0.29		46.020	18	33.6	5.74	16	33.6	K0 J	11	8173	A -13 6394
55		9.0A	19 46.363	-0.0025	15	-13 15 15.48	0.023	15	0.30		46.404	18	33.6	15.86	16	33.6	K0 J	11	8174	A -13 6394
56		8.7A	19 55.483	0.0046	13	-13 4 11.97	0.055	15	0.29		55.408	18	33.6	12.88	16	33.6	F5 J	11	8175	A -13 6395
57		9.0A	20 1.131	-0.0002	21	-14 9 53.86	-0.032	15	0.34		1.135	18	33.6	53.33	16	33.6	F8 J	12A	8640	A -14 6460
58		5.3T	20 2.011	0.0075	04	-15 18 50.34	0.022	04	0.30		1.510	10	63.2	51.82	09	82.3	A3	GC	32531K	B+-15 6406
59		9.2A	20 5.997	0.0008	21	-15 32 55.46	-0.052	15	0.34		5.984	18	33.6	54.61	16	33.6	F5 J	12A	8642	A -16 6272
60		8.8A	20 6.246	-0.0143	20	-19 57 45.80	-0.176	15	0.33		6.481	18	33.6	42.92	16	33.6	G5 J	13A	9792	A -20 6585
61		9.0A	20 12.314	0.0086	20	-17 27 9.79	-0.048	15	0.33		12.174	18	33.6	9.01	16	33.6	G5 J	12B	9793	A -17 6741
62		9.0A	20 20.123	0.0022	21	-15 27 31.33	-0.002	15	0.34		20.087	18	33.6	31.30	16	33.6	K0 J	12A	8644	A -15 6408
63		9.1A	20 23.429	0.0029	21	-13 45 49.82	0.022	15	0.34		23.381	18	33.6	50.17	16	33.6	K0 J	12A	8645	A -14 6461
64		8.0Q	20 27.411	0.0299	04	-11 2 32.94	0.258	04	0.24		25.849	07	97.7	46.59	07	97.2	K0	GC	32541	B+-11 6064
65		9.2A	20 36.257	0.0004	21	-16 48 40.25	-0.018	15	0.34		36.251	18	33.6	39.96	16	33.6	A0 J	12A	8646K	A -17 6742
66		9.2A	21 1.445	0.0015	21	-14 44 54.08	0.013	15	0.34		1.420	18	33.6	54.30	16	33.6	G0 J	12A	8647	A -15 6411
67		8.4A	21 3.043	-0.0028	21	-14 45 58.42	-0.090	15	0.34		3.088	18	33.6	56.96	16	33.6	K0 J	12A	8648	A -15 6412
68		8.3A	21 7.012	0.0004	18	-19 23 4.01	-0.018	15	0.31		7.005	18	33.6	3.71	16	33.6	K0 J	13A	9797	A -19 6448
69		9.2A	21 10.398	-0.0013	21	-16 8 38.65	-0.036	15	0.34		10.419	18	33.6	38.06	16	33.6	F5 J	12A	8649	A -16 6276
70		7.2A	21 15.080	-0.0005	20	-18 3 51.49	-0.003	15	0.33		15.088	18	33.6	51.45	16	33.6	F8 J	12B	9798	A -18 6295
71		8.5A	21 27.897	-0.0003	20	-17 58 29.89	-0.019	15	0.33		27.901	18	33.6	29.58	16	33.6	K0 J	12B	9800	A -18 6297
72		6.3T	21 29.817	0.0104	14	-18 57 47.82	0.075	13	0.68		29.338	19	03.9	51.50	18	00.7	G5	GC	32561	-19 6450
73		9.3A	21 36.296	0.0001	18	-15 11 8.79	0.013	13	0.31		36.294	18	33.6	9.00	16	33.6	K7 J	12A	8650	A -15 6413
74		8.7A	21 42.231	0.0034	13	-13 3 28.53	0.006	15	0.29		42.196	18	33.6	28.63	16	33.6	K5 J	11	8178	A -13 6398
75		9.2A	21 44.764	0.0021	21	-16 27 1.10	-0.011	15	0.34		44.730	18	33.6	0.92	16	33.6	K0 J	12A	8651	A -16 6278
76		8.8A	21 47.163	0.0014	21	-17 35 38.11	0.015	15	0.34		47.140	18	33.6	38.36	16	33.6	M4 J	12A	8652	A -18 6299
77		9.3A	21 57.345	0.0008	18	-19 35 57.79	-0.022	15	0.31		57.332	18	33.6	57.43	16	33.6	K0 J	13A	9805	A -20 6589
78		9.0A	22 0.747	-0.0009	21	-15 34 3.93	-0.009	15	0.34		0.761	18	33.6	3.78	16	33.6	F8 J	12A	8653	A -16 6282
79		9.0A	22 16.918	0.0005	18	-13 45 51.21	0.004	13	0.31		16.911	18	33.6	51.26	16	33.6	K2 J	12A	8654	A -14 6466
80		8.5A	22 28.174	0.0040	20	-17 54 8.33	-0.013	15	0.33		28.109	18	33.6	8.13	16	33.6	K2 J	12B	9810	A -18 6304
81		8.4A	22 34.813	0.0015	20	-18 22 14.85	-0.019	15	0.33		34.788	18	33.6	14.54	16	33.6	A5 J	12B	9811	A -18 6305
82		8.3A	22 48.548	0.0062	21	-14 17 25.15	-0.026	15	0.34		48.446	18	33.6	24.72	16	33.6	K0 J	12A	8655	A -14 6467
83		8.4A	22 49.332	0.0020	13	-12 47 55.96	0.014	15	0.29		49.298	18	33.6	56.19	16	33.6	F0 J	11	8179	A -13 6402
84		8.0A	23 12.055	-0.0001	13	-11 25 50.85	-0.002	15	0.29		12.057	18	33.6	50.82	16	33.6	M3 J	11	8180	A -11 6071
85		9.0A	23 14.260	0.0036	21	-14 25 50.14	-0.033	15	0.34		14.201	18	33.6	49.59	16	33.6	F8 J	12A	8656	A -14 6470
86		9.3A	23 16.873	0.0007	21	-14 37 54.81	0.003	15	0.34		16.861	18	33.6	54.87	16	33.6	K5 J	12A	8657	A -15 6416
87		9.2A	23 25.690	-0.0007	18	-16 25 2.17	-0.023	13	0.31		25.701	18	33.6	1.80	16	33.6	G0 J	12A	8658	A -16 6285
88		8.9A	23 30.637	0.0071	21	-15 30 1.82	-0.100	15	0.34		30.521	18	33.6	0.18	16	33.6	G5 J	12A	8659	A -16 6286
89		8.9A	23 31.193	0.0011	18	-19 38 55.85	-0.024	15	0.31		31.176	18	33.6	55.46	16	33.6	F5 J	13A	9815	A -20 6592
90		8.8A	23 42.758	0.0196	21	-14 58 59.19	-0.037	15	0.34		42.436	18	33.6	58.59	16	33.6	G5 J	12A	8660	A -15 6419
91		8.4A	23 43.567	-0.0004	15	-10 57 30.73	0.005	17	0.31		43.574	18	33.6	30.82	16	33.6	K2 J	11	8182	A -11 6074
92		7.7T	23 43.593	0.0008	11	-13 13 33.32	-0.002	08	0.57		43.549	19	96.4	33.22	18	91.7	A2	GC	32599	-13 6404
93		9.4A	23 44.701	0.0043	21	-13 53 59.24	-0.037	15	0.34		44.651	18	33.6	58.62	16	33.6	G0 J	12A	8661	A -14 6471
94		8.8A	23 58.501	0.0017	21	-16 33 14.68	-0.020	15	0.34		58.473	18	33.6	14.35	16	33.6	K5 J	12A	8662	A -17 6752
95		8.5A	24 0.618	-0.0001	15	-10 18 33.63	0.005	17	0.31		0.619	18	33.6	33.72	16	33.6	F0 J	11	8183	A -10 6114
96		8.4A	24 9.742	0.0005	15	-11 18 27.27	0.050	17	0.31		9.734	18	33.6	28.09	16	33.6	B8 J	11	8184	A -11 6076
97		8.9A	24 18.286	0.0019	15	-11 12 22.43	0.017	17	0.31		18.255	18	33.6	22.72	16	33.6	K5 J	11	8185	A -11 6077
98		6.9T	24 20.309	-0.0011	11	-15 31 22.60	-0.005	13	0.68		20.370	22	95.5	22.35	22	98.9	A3	GC	32619K	B+-16 6291
99		9.1A	24 21.433	-0.0013	18	-14 53 45.96	0.002	13	0.31		21.454	18	33.6	46.00	16	33.6	K0 J	12A	8664	A -15 6423
00		9.3A	24 32.899	-0.0006	20	-19 6 38.00	0.002	15	0.33		32.909	18	33.6	38.03	16	33.6	G5 J	12B	9820	A -19 6457

165700

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.		SOURCE CAT.	STAR NUMBER	DM NUMBER
																				-10° 23H
1		9.3A	23 24 35.111	0.0003	17	-13 10 29.90	-0.010	18	0.33	35.106	18	33.6	29.74	16	33.6	K5	J	11	8186	A -13 6406
2		9.1A	24 37.204	-0.0013	18	-15 6 12.98	0.012	13	0.31	37.225	18	33.6	13.17	16	33.6	K0	J	12A	8665	A -15 6425
3		9.4A	24 44.455	0.0005	20	-17 52 8.09	-0.028	15	0.33	44.446	18	33.6	7.63	16	33.6	G5	J	12B	9822	A -18 6310
4		8.7A	24 49.566	-0.0006	15	-10 3 6.07	0.030	17	0.31	49.576	18	33.6	6.57	16	33.6	K0	J	11	8188	A -10 6116
5		7.5T	24 50.192	0.0000	10	-13 12 18.70	-0.034	08	0.55	50.189	17	91.9	16.59	14	87.5	M0		GC	32631	-13 6407
6		8.9A	25 17.739	0.0013	20	-19 59 19.79	-0.012	15	0.33	17.717	16	33.6	19.60	16	33.6	K0	J	13A	9824	A -20 6599
7		6.9T	25 19.995	0.0015	13	-15 34 29.28	-0.021	11	0.65	19.921	21	00.1	28.20	17	98.5	K5		GC	32644	-16 6293
8		6.5T	25 29.104	0.0067	05	-11 43 29.97	-0.020	04	0.21	28.785	06	02.7	29.03	06	02.2	G0		GC	32648	-12 6496
9		9.6A	25 30.972	0.0062	21	-16 19 58.53	-0.048	15	0.34	30.870	18	33.6	57.75	16	33.6	G0	J	12A	8667	A -16 6294
10		7.5A	25 31.349	-0.0016	15	-12 29 15.53	0.004	17	0.31	31.375	18	33.6	15.60	16	33.6	M3	J	11	8191	A -13 6408
11		8.6A	25 58.920	0.0012	15	-13 16 31.52	0.012	17	0.31	58.900	18	33.6	31.72	16	33.6	F5	J	11	8192	A -13 6411
12		9.0A	26 8.059	0.0060	21	-14 18 39.22	-0.026	15	0.34	7.961	18	33.6	38.79	16	33.6	F5	J	12A	8668	A -14 6475
13		9.1A	26 8.914	0.0003	21	-15 30 45.62	-0.040	15	0.34	8.910	18	33.6	44.96	16	33.6	G0	J	12A	8669	A -16 6296
14		9.0A	26 11.217	-0.0008	20	-19 39 33.67	-0.021	15	0.33	11.230	16	33.6	33.33	16	33.6	K0	J	13A	9828	A -20 6603
15		8.8A	26 16.638	-0.0012	15	-10 22 35.64	0.008	17	0.31	16.658	18	33.6	35.78	16	33.6	K0	J	11	8193	A -10 6119
16		8.7A	26 19.744	-0.0035	21	-14 35 14.33	-0.030	15	0.34	19.801	18	33.6	13.85	16	33.6	K0	J	12A	8670	A -15 6433
17		9.0A	26 22.014	0.0036	21	-14 49 5.68	-0.040	15	0.34	21.955	18	33.6	5.03	16	33.6	K0	J	12A	8671	A -15 6434
18		9.2A	26 26.940	-0.0001	20	-19 3 25.49	-0.040	15	0.33	26.941	18	33.6	24.83	16	33.6	K2	J	12B	9829	A -19 6463
19		9.2A	27 0.618	0.0043	18	-17 1 18.63	0.004	13	0.31	0.548	18	33.6	18.70	16	33.6	G5	J	12A	8672	A -17 6759
20		8.9A	27 6.932	-0.0023	15	-11 2 38.59	0.014	17	0.31	6.970	18	33.6	38.83	16	33.6	K0	J	11	8195	A -11 6086
21		8.8A	27 8.842	-0.0006	20	-18 47 31.41	-0.037	15	0.33	8.851	18	33.6	30.80	16	33.6	K0	J	12B	9830	A -19 6464
22		9.0A	27 14.026	-0.0016	20	-17 32 48.35	-0.139	15	0.33	14.052	18	33.6	46.07	16	33.6	G0	J	12B	9832	A -18 6317
23		8.3A	27 21.921	0.0001	13	-13 9 7.64	-0.028	15	0.29	21.919	18	33.6	7.19	16	33.6	F0	J	11	8196	A -13 6419
24		8.9A	27 26.179	-0.0012	15	-12 10 58.97	-0.067	15	0.30	26.197	18	33.6	57.88	16	33.6	G0	J	11	8197	A -12 6502
25		9.1A	27 38.966	0.0020	21	-14 15 11.61	0.009	15	0.34	38.933	18	33.6	11.75	16	33.6	G0	J	12A	8674	A -14 6478
26		8.7A	27 39.036	-0.0029	15	-10 43 34.25	-0.002	17	0.31	39.084	18	33.6	34.22	16	33.6	F5	J	11	8198	A -11 6088
27		8.5A	28 0.607	0.0067	20	-18 58 26.49	-0.096	15	0.33	0.496	18	33.6	24.91	16	33.6	G5	J	12B	9837	A -19 6467
28		8.9A	28 9.679	-0.0024	21	-13 34 46.67	0.001	15	0.34	9.719	18	33.6	46.68	16	33.6	F5	J	12A	8675	A -14 6479
29		8.9A	28 16.014	-0.0018	15	-10 25 53.88	0.003	15	0.30	16.044	18	33.6	53.93	16	33.6	F0	J	11	8200	A -10 6125
30		8.0A	28 17.746	0.0061	21	-16 15 28.98	-0.040	15	0.34	17.645	18	33.6	28.33	16	33.6	F8	J	12A	8676	A -16 6303
31		8.8A	28 19.987	0.0017	20	-18 13 23.08	-0.035	15	0.33	19.958	18	33.6	22.51	16	33.6	F0	J	12B	9838	A -18 6321
32		9.0A	28 22.591	-0.0023	21	-15 32 38.95	-0.013	15	0.34	22.629	18	33.6	38.74	16	33.6	G5	J	12A	8677	A -16 6304
33		8.8A	28 24.583	0.0035	15	-19 45 58.11	0.030	11	0.26	24.526	16	33.6	58.61	16	33.6	F2	J	13A	9839	A -20 6608
34		9.4A	28 32.929	-0.0015	21	-15 48 13.59	0.012	15	0.34	32.953	18	33.6	13.79	16	33.6	F0	J	12A	8678	A -16 6306
35		8.8A	28 36.813	-0.0032	21	-13 40 28.39	0.021	15	0.34	38.865	18	33.6	28.72	16	33.6	G5	J	12A	8679	A -14 6481
36		8.1A	28 41.468	0.0007	15	-12 28 14.77	-0.010	15	0.30	41.456	18	33.6	14.94	16	33.6	F0	J	11	8201	A -12 6505
37		8.5A	28 51.423	0.0035	21	-14 58 19.91	-0.017	15	0.34	51.366	18	33.6	19.64	16	33.6	K0	J	12A	8680	A -15 6443
38		8.1A	29 9.006	-0.0011	21	-15 4 57.72	0.018	15	0.34	9.023	18	33.6	58.02	16	33.6	K2	J	12A	8681	A -15 6444
39		8.7A	29 14.275	-0.0013	15	-11 8 26.40	0.009	17	0.31	14.296	18	33.6	26.55	16	33.6	K5	J	11	8202	A -11 6090
40		7.9T	29 15.423	0.0012	10	-12 13 28.38	0.007	07	0.56	15.357	19	92.4	28.85	18	86.6	K0		GC	32720	-12 6508
41		8.5A	29 20.022	0.0029	21	-15 12 45.50	-0.018	15	0.34	19.975	18	33.6	45.20	16	33.6	K2	J	12A	8682	A -15 6446
42		8.4A	29 20.836	0.0020	15	-11 16 13.88	0.019	17	0.31	20.803	18	33.6	14.20	16	33.6	G5	J	11	8204	A -11 6092
43		9.8A	29 24.055	-0.0004	15	-13 35 45.28	0.033	15	0.30	24.062	18	33.6	45.81	16	33.6	K	J	11	8205	A -14 6482
44		9.0A	29 31.148	0.0004	21	-14 13 45.64	0.025	15	0.34	31.142	18	33.6	46.04	16	33.6	K0	J	12A	8683	A -14 6483
45		9.1A	29 34.234	-0.0006	15	-12 14 55.84	-0.043	17	0.31	34.243	18	33.6	55.14	16	33.6	G5	J	11	8206	A -12 6509
46		6.8T	29 37.098	-0.0002	06	-11 49 14.94	-0.026	05	0.36	37.113	12	90.1	13.30	10	86.1	K5		GC	32729	-12 6510
47		9.3A	29 37.605	-0.0017	20	-17 27 34.71	-0.053	15	0.33	37.633	18	33.6	33.85	16	33.6	F8	J	12B	9843	A -17 6766
48		9.1A	29 38.818	-0.0018	15	-10 39 59.17	0.010	17	0.31	38.847	18	33.6	59.34	16	33.6	G0	J	11	8208	A -11 6094
49		8.7A	29 43.042	0.0075	21	-13 53 49.98	-0.063	15	0.34	42.919	18	33.6	48.94	16	33.6	G5	J	12A	8685	A -14 6484
50		8.9A	29 46.038	0.0018	18	-19 19 35.52	0.008	15	0.31	46.008	16	33.6	35.65	16	33.6	K2	J	13A	9844	A -19 6470
51		9.0A	23 29 46.264	-0.0034	17	-11 25 49.22	-0.056	18	0.33	46.320	18	33.6	48.31	16	33.6	K2	J	11	8210	A -11 6096
52		9.0A	29 46.618	0.0070	21	-13 55 38.86	-0.052	15	0.34	46.504	18	33.6	38.00	16	33.6	G0	J	12A	8686	A -14 6486
53		8.8A	29 47.124	0.0020	18	-13 34 14.40	0.002	13	0.31	47.092	18	33.6	14.42	16	33.6	K0	J	12A	8687	A -14 6485
54		6.7T	29 50.407	-0.0006	06	-11 16 30.01	0.007	06	0.33	50.441	09	95.8	30.43	09	94.4	G5		GC	32735	-11 6098
55		8.7A	30 3.384	0.0096	15	-11 36 18.72	0.034	17	0.31	3.227	18	33.6	19.27	16	33.6	G0	J	11	8213	A -12 6513
56		8.1A	30 11.865	0.0218	21	-17 7 8.56	-0.234	15	0.34	11.507	18	33.6	4.73	16	33.6	K5	J	12A	8688	A -17 6769
57		9.5A	30 15.268	0.0043	18	-15 51 41.84	-0.032	13	0.31	15.197	18	33.6	41.31	16	33.6	G0	J	12A	8689	A -16 6310
58		8.9A	30 22.172	-0.0000	18	-19 59 12.25	-0.074	12	0.30	22.172	16	33.6	11.04	16	33.6	G0	J	13A	9847K	A -20 6612
59		8.2A	30 23.349	-0.0002	18	-12 15 48.53	0.032	20	0.35	23.353	18	33.6	49.04	16	33.6	F5	J	11	8215	A -12 6514
60		9.2A	30 34.396	-0.0039	21	-15 15 32.55	-0.000	15	0.34	34.460	18	33.6	32.55	16	33.6	G5	J	12A	8690	A -15 6451
61		7.0T	30 38.387	-0.0010	22	-12 53 6.25	-0.020	15	0.97	38.436	26	02.3	5.19	24	98.5	A0		GC	32749	-13 6428
62		9.0A	30 38.839	-0.0012	20	-17 54 16.41	-0.037	15	0.33	38.859	18	33.6	15.80	16	33.6	F5	J	12B	9849	A -18 6333
63		8.8A	30 43.694	-0.0017	21	-14 25 33.33	-0.031	15	0.34	43.722	18	33.6	32.82	16	33.6	A2	J	12A	8691	A -14 6487
64		8.9A	30 47.581	0.0129	15	-12 56 28.57	0.039	17	0.31	47.370	18	33.6	29.22	16	33.6	K0	J	11	8219	A -13 6429
65		8.2A	30 54.196	0.0009	20	-19 25 18.58	-0.020	15	0.33	54.181	16	33.6	18.24	16	33.6	M0	J	13A	9851	A -19 6472
66		9.2A	30 56.603	0.0002	17	-12 55 15.91	-0.007	18	0.33	56.600	18	33.6	15.81	16	33.6	K5	J	11	8220	A -13 6430
67		8.6A	31 16.200	0.0004	21	-16 35 23.75	-0.016	15	0.34	16.193	18	33.6	23.49	16	33.6	A3	J	12A	8692	A -17 6774
68		9.0A	31 24.512	0.0009	21	-13 46 0.43	0.004	15	0.34	24.498	18	33.6	0.49	16	33.6	K0	J	12A	8693	A -14 6490
69		9.4A	31 26.445	-0.0036	18	-15 19 3.32	-0.013	13	0.31	26.504	18	33.6	3.10	16	33.6	F2	J	12A	8694	A -15 6454
70		8.2A	31 30.811	0.0031	21	-14 30 20.48	0.002	15	0.34	30.760	18	33.6	20.52	16	33.6	K0	J	12A	8695	A -15 6455
71		8.8A	31 32.105	0.0012	20	-18 10 7.89	-0.010	15	0.33	32.085	18	33.6	7.72	16	33.6	K0	J	12B	9853	A -18 6337
72		8.4A	31 34.806	-0.0017	21	-13 51 48.90	-0.021	15	0.34	34.834	18	33.6	48.55	16	33.6	K2	J	12A	8696	A -14 6492
73		9.1A	31 38.275	-0.0008	20	-18 40 4.53	-0.021	15	0.33	38.288	18	33.6	4.18	16	33.6	K0	J	12B	9854	A -19 6474
74		9.0A	31 46.615	-0.0019	18	-10 20 18.58	0.029	20	0.35	46.645	18	33.6	19.07	16	33.6	K0	J	11	8222	A -10 6135
75		9.2A	31 49.595	0.0008	20	-17 23 20.99	-0.020	15	0.33	49.581	18	33.6	20.66	16	33.6	F5	J	12B	9855	A -17 6775
76		8.5A	31 58.865	0.0001	15	-12 36 9.72	0.008	17	0.31	58.863	18	33.6	9.86	16	33.6	K0	J	11	8223	A -13 6431
77		8.0A	32 0.129	0.0102	21	-17 16 17.76	0.127	15	0.34	-59.961	18	33.6	19.84	16	33.6	G0	J	12A	8698	A -17 6776
78		9.2A	32 8.465	0.0037	21	-17 7 7.26	-0.049	15	0.34	8.405	18	33.6	6.45	16	33.6	G0	J	12A	8699	A -17 6777
79		9.0A	32 8.466	0.0068	18	-10 38 45.72	0.044	20	0.35	8.355	18	33.6	46.43	16	33.6	F8	J	11	8224	A -11 6105
80		6.1T	32 13.310	0.0033	07	-15 31 16.91	-0.076	06	0.37	13.138	15	97.8	12.63	14	93.8	K0		GC	32781	-16 6314
81		8.7A	32 15.265	0.0003	17	-10 51 58.59	0.007	18	0.33	15.259	18	33.6	58.71	16	33.6	G5	J	11	8225	A -11 6106
82		9.0A	32 16.831	-0.0018	20	-10 52 48.11	-0.136	20	0.36	16.860	18	33.6	45.89	16	33.6	G5	J	11	8226	A -11 6107
83		9.0A	32 22.213	0.0001	17	-10 51 56.74	0.019	17	0.32	22.211	18	33.6	57.06	16	33.6	F5	J	11	8227	A -11 6108
84		8.9A	32 46.651	0.0004	21	-17 8 39.63	-0.012	15	0.34	46.644	18	33.6	39.43	16	33.6	A2	J	12A	8701	A -17 6778
85		7.6A	32 51.977	-0.0008	21	-16 51 35.50	-0.031	15	0.34	51.990	18	33.6	34.99	16	33.6	K0	J	12A	8702	A -17 6779
86		8.0A	32 52.467	0.0022	18	-10 49 53.98	-0.005	20	0.35	52.431	18	33.6	53.90	16	33.6	K5	J	11	8230	A -11 6110
87		7.3T	33 6.047	-0.0010	10	-15 34 31.56	-0.041	07	0.51	6.101	19	97.2	29.16	17	91.7	K0		GC	32806	-16 6317
88		8.9A	33 9.306	0.0023	21	-13 43 54.62	0.004	15	0.34	9.268	18	33.6	54.68	16	33.6	G5	J	12A	8704	A -14 6496
89		8.9A	33 18.132	0.0084	20	-19 13 28.66	-0.040	15	0.33	17.995	18	33.6	27.99	16	33.6	G5	J	12B	9864	A -19 6478
90		8.0A	33 21.393	0.0010	21	-16 33 58.40	-0.035	15	0.34	21.376	18	33.6	57.83	16	33.6	K2	J	12A	8705	A -17 6780
91		7.9A	33 22.199	0.0009	15	-10 57 51.74	-0.002	17	0.31	22.184	18	33.6	51.70	16	33.6	G5	J	11	8231	A -11 6111
92		8.7A	33 24.938	-0.0017	17	-10 58 38.62	-0.002	18	0.33	24.966	18	33.6	38.58	16	33.6	G0	J	11	8232	A -11 6112
93		8.8A	33 41.281	0.0020	21	-13 44 47.89	0.010	15	0.34	41.248	18	33.6	48.05	16	33.6	K0	J	12A	8706	A -14 6499
94		9.2A	34 5.089	-0.0036	21	-16 19 25.28	-0.020	15	0.34	5.148	18	33.6	24.95	16	33.6	G5	J	12A	8707	A -16 6323
95		8.7A	34 8.236	0.0324	18	-17 30 49.49	0.005	12	0.30	7.704	18	33.6	49.57	16	33.6	K2	J	12B	9866	A -18 6342
96		9.2A	34 16.331	-0.0011	21	-13 50 6.42	0.037	15	0.34	16.350	18	33.6	7.02	16	33.6	F5	J	12A	8709	A -14 6502
97		8.3A	34 25.811	0.0020	20	-17 50 19.41	-0.028	15	0.33	25.778	18	33.6	18.95	16	33.6	F2	J	12B	9868	A -18 6345
98		8.6A	34 28.109	-0.0010	21	-13 50 23.87	0.052	15	0.34	28.125	18	33.6	24.72	16	33.6	F8	J	12A	8710	A -14 6504
99		9.1A	34 38.210	0.0013	20	-17 20 0.26	-0.014	15	0.33	38.188	18	33.6	0.03	16	33.6	F0	J	12B	9869	A -17 6781
00		8.0A	34 45.577	0.0006	18	-13 36 54.00	-0.001	13	0.31	45.567	18	33.6	53.98	16	33.6	K0	J	12A	8712	A -14 6506

165800			EPOCH 1950									ORIGINAL EPOCH								SP.	SOURCE		-10° 23H
NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.		CAT.	STAR NUMBER	DM NUMBER
1		9.3A	23 34 48.808	-0.0019	21	-17 10 19.26	-0.045	15	0.34	48.839	18	33.6	18.52	16	33.6	F5 J	12A	8713	A -17 6782
2		8.8A	34 49.374	-0.0002	21	-14 29 36.80	-0.001	15	0.34	49.378	18	33.6	36.78	16	33.6	K0 J	12A	8714	A -15 6462
3		8.8A	35 2.225	0.0047	21	-15 29 29.96	-0.004	15	0.34	2.148	18	33.6	29.89	16	33.6	G5 J	12A	8715	A -16 6324
4		5.7T	35 4.050	0.0023	04	-13 20 15.21	0.027	03	0.23	3.919	10	92.1	16.93	09	87.5	G5	GC	32830K	-13 6439
5		9.0A	35 5.741	0.0017	15	-12 28 42.69	-0.002	17	0.31	5.713	18	33.6	42.65	16	33.6	K0 J	11	8236	A -13 6440
6		8.4A	35 6.900	-0.0048	15	-10 15 5.82	-0.015	17	0.31	6.978	18	33.6	5.57	16	33.6	K2 J	11	8237	A -10 6145
7		9.0A	35 12.729	0.0011	18	-19 53 44.83	-0.020	15	0.31	12.712	18	33.6	44.50	16	33.6	K2 J	13A	9871	A -20 6622
8		6.7T	35 27.153	0.0059	07	-15 22 14.01	-0.106	05	0.26	26.905	09	08.1	9.41	09	06.7	K0	GC	32843	-15 6464
9		8.8A	35 46.485	0.0004	21	-14 53 10.75	-0.016	15	0.34	46.479	18	33.6	10.50	16	33.6	K2 J	12A	8718	A -15 6465
10		8.6A	35 57.838	0.0024	21	-13 59 22.10	-0.003	15	0.34	57.798	18	33.6	22.05	16	33.6	F0 J	12A	8719	A -14 6509
11		8.7A	36 31.792	0.0083	15	-11 49 37.90	-0.073	17	0.31	31.657	18	33.6	36.72	16	33.6	K0 J	11	8239	A -12 6531
12		8.8A	36 40.190	-0.0006	15	-10 15 40.73	-0.034	17	0.31	40.200	18	33.6	40.17	16	33.6	F8 J	11	8240	A -10 6148
13		9.3A	36 41.319	0.0012	18	-12 35 13.42	-0.032	20	0.35	41.300	18	33.6	12.91	16	33.6	K7 J	11	8241	A -13 6444
14		8.6A	36 43.737	0.0017	20	-18 4 6.06	0.003	15	0.33	43.709	18	33.6	6.11	16	33.6	F2 J	12B	9876	A -18 6353
15		8.9A	36 53.644	0.0004	20	-19 21 9.06	0.009	15	0.33	53.637	18	33.6	9.22	16	33.6	K2 J	13A	9878	A -19 6485
16		8.7A	36 58.914	0.0022	15	-12 13 47.81	0.032	17	0.31	58.877	18	33.6	48.34	16	33.6	K0 J	11	8242	A -12 6532
17		9.4A	37 8.463	0.0014	20	-17 19 2.89	-0.013	15	0.33	8.440	18	33.6	2.68	16	33.6	K0 J	12B	9879	A -17 6788
18		5.2T	37 11.538	0.0037	04	-14 29 54.40	-0.034	03	0.21	11.342	10	97.7	52.45	09	93.1	A5	GC	32873	B*-15 6471
19		9.2A	37 20.069	0.0026	15	-11 12 12.60	-0.019	17	0.31	20.027	18	33.6	12.29	16	33.6	G5 J	11	8243	A -11 6121
20		9.2A	37 21.762	0.0065	18	-19 6 43.59	0.036	15	0.32	21.655	18	33.6	44.19	16	33.6	F8 J	12B	9880	A -19 6487
21		9.1A	37 35.654	0.0002	18	-19 59 48.79	-0.021	12	0.30	35.651	16	33.6	48.45	16	33.6	K2 J	13A	9881	A -20 6630
22		8.7A	37 38.414	-0.0015	21	-15 41 53.51	-0.021	15	0.34	38.439	18	33.6	53.16	16	33.6	K2 J	12A	8722	A -16 6332
23		8.9A	37 54.004	-0.0028	15	-10 30 16.84	-0.022	15	0.30	54.050	18	33.6	16.48	16	33.6	K2 J	11	8244	A -11 6125
24		8.8A	37 54.519	-0.0064	15	-13 13 33.32	-0.053	17	0.31	54.625	18	33.6	32.44	16	33.6	G5 J	11	8245	A -13 6447
25		8.0T	38 0.941	0.0220	09	-19 15 56.29	-0.038	08	0.46	-59.870	15	01.3	54.32	15	98.8	G0	GC	32889	-19 6489
26		8.7A	38 24.530	0.0004	15	-11 44 51.74	0.034	17	0.31	24.524	18	33.6	52.30	16	33.6	K0 J	11	8246	A -12 6534
27		9.1A	38 28.824	-0.0006	20	-17 48 16.55	-0.025	15	0.33	28.833	18	33.6	16.14	16	33.6	K0 J	12B	9883	A -18 6356
28		6.1T	38 33.648	0.0045	03	-11 57 28.83	0.012	03	0.23	33.385	09	91.1	29.56	09	86.4	K0	GC	32898	B*-12 6535
29		8.8A	38 43.132	0.0009	21	-13 45 7.76	0.016	15	0.34	43.117	18	33.6	8.02	16	33.6	F0 J	12A	8723	A -14 6523
30		9.4A	38 48.264	0.0011	18	-18 49 5.55	-0.005	15	0.32	48.246	18	33.6	5.46	16	33.6	F5 J	12B	9886	A -19 6493
31		9.1A	38 51.887	0.0088	15	-11 44 32.82	-0.027	15	0.30	51.742	18	33.6	32.38	16	33.6	G5 J	11	8248	A -12 6538
32		8.8A	38 53.137	-0.0034	15	-12 14 8.00	0.007	17	0.31	53.193	18	33.6	8.12	16	33.6	G5 J	11	8249	A -12 6539
33		8.9A	38 58.762	0.0024	21	-16 57 13.17	-0.005	15	0.34	58.722	18	33.6	13.09	16	33.6	F5 J	12A	8724	A -17 6797
34		5.6T	38 58.973	-0.0029	03	-18 18 12.73	-0.067	03	0.21	59.123	10	98.2	9.06	10	95.1	K0	GC	32908	B*-18 6357
35		9.1A	38 59.397	0.0006	18	-15 54 4.53	-0.049	13	0.31	59.386	18	33.6	3.72	16	33.6	G0 J	12A	8725	A -16 6336
36		5.0T	39 10.135	0.0009	04	-18 5 38.16	0.008	03	0.22	10.090	10	99.7	38.62	10	93.5	G0	GC	32911	B*-18 6358
37		9.4A	39 20.410	0.0027	21	-15 16 4.88	0.008	15	0.34	20.366	18	33.6	5.01	16	33.6	G0 J	12A	8726	A -15 6475
38		8.3A	39 20.579	0.0031	20	-19 40 27.08	-0.041	15	0.33	20.528	18	33.6	26.41	16	33.6	G5 J	13A	9891	A -20 6657
39		8.6A	39 22.783	-0.0009	21	-15 44 26.42	-0.005	15	0.34	22.797	18	33.6	26.33	16	33.6	K0 J	12A	8727	A -16 6341
40		9.0A	39 30.241	0.0024	21	-16 32 38.57	-0.064	15	0.34	30.201	18	33.6	37.52	16	33.6	G5 J	12A	8728	A -17 6799
41		5.4T	39 52.491	0.0015	06	-15 43 30.18	-0.004	07	0.31	52.426	12	06.1	29.99	12	05.5	K2	GC	32925	B*-16 6345
42		4.6H	40 7.808	0.0066	02	-14 49 17.44	-0.063	01	0.06	7.574	02	14.6	15.25	03	15.1	A0	F4	894	-15 6476
43		7.3T	40 12.967	-0.0027	13	-11 36 21.16	-0.029	09	0.57	13.094	19	03.5	19.69	18	00.2	K0	GC	32933K	-12 6542
44		9.2A	40 20.511	0.0039	21	-14 51 18.46	-0.005	15	0.34	20.448	18	33.6	18.38	16	33.6	G0 J	12A	8731	A -15 6477
45		8.8A	40 35.479	-0.0114	18	-12 29 38.89	-0.151	20	0.35	35.666	18	33.6	36.43	16	33.6	G5 J	11	8251	A -13 6454
46		9.4A	40 41.659	-0.0016	21	-14 51 51.82	0.003	15	0.34	41.685	18	33.6	51.87	16	33.6	F5 J	12A	8732	A -15 6480
47		9.0A	41 1.179	0.0009	17	-10 37 59.93	0.002	18	0.33	1.164	18	33.6	59.95	16	33.6	K2 J	11	8254	A -11 6131
48		9.0A	41 13.973	0.0004	18	-13 17 22.26	-0.043	20	0.35	13.966	18	33.6	21.57	16	33.6	F2 J	11	8256	A -13 6455
49		5.8I	41 14.186	0.0020	05	-15 33 41.79	-0.021	05	0.28	14.093	10	03.2	40.77	12	01.6	M6P	GC	32948V	B*-16 6352
50		9.2A	41 17.998	-0.0012	21	-14 6 39.68	-0.010	15	0.34	18.018	18	33.6	39.51	16	33.6	K5 J	12A	8736	A -14 6534
51		9.2A	23 41 18.267	0.0020	21	-17 6 1.00	-0.011	15	0.34	18.234	18	33.6	0.82	16	33.6	A2 J	12A	8735	A -17 6807
52		9.0A	41 26.665	-0.0024	21	-15 56 25.57	-0.024	15	0.34	26.704	18	33.6	25.17	16	33.6	F0 J	12A	8737	A -16 6353
53		8.4A	41 35.743	0.0011	21	-13 28 2.37	-0.044	15	0.34	35.726	18	33.6	1.66	16	33.6	F2 J	12A	8738	A -13 6457
54		5.3H	41 36.555	0.0019	02	-18 33 16.30	0.002	02	0.06	36.495	03	17.7	16.36	03	17.2	B8	F4	1621	-19 6500
55		9.0A	41 40.966	0.0017	17	-11 15 42.78	-0.002	18	0.33	40.937	18	33.6	42.75	16	33.6	K0 J	11	8258	A -11 6132
56		9.2A	41 48.571	-0.0029	21	-15 15 38.49	-0.014	15	0.34	48.619	18	33.6	38.26	16	33.6	F5 J	12A	8739	A -15 6485
57		8.6A	41 53.623	-0.0003	21	-14 41 50.26	-0.025	15	0.34	53.628	18	33.6	49.85	16	33.6	F2 J	12A	8740	A -15 6487
58		9.2A	41 57.996	-0.0013	21	-13 41 11.70	0.010	15	0.34	58.017	18	33.6	11.86	16	33.6	K0 J	12A	8741	A -14 6535
59		9.1A	41 59.166	0.0064	18	-19 3 44.79	-0.015	15	0.32	59.062	18	33.6	44.55	16	33.6	K0 J	12B	9897	A -19 6502
60		9.2A	42 5.355	0.0013	20	-18 9 57.72	-0.038	15	0.33	5.333	18	33.6	57.10	16	33.6	F8 J	12B	9898	A -18 6366
61		9.2A	42 34.628	0.0035	21	-16 47 12.91	-0.048	15	0.34	34.570	18	33.6	12.12	16	33.6	G0 J	12A	8742	A -17 6810
62		7.8T	42 47.030	0.0032	12	-13 57 34.92	0.012	09	0.53	46.876	15	02.6	35.51	17	99.4	F0	GC	32976	-14 6536
63		9.4A	42 51.787	-0.0007	18	-15 37 22.16	0.030	13	0.31	51.799	18	33.6	22.65	16	33.6	G0 J	12A	8744	A -16 6356
64		7.8A	43 17.420	-0.0003	21	-15 1 57.02	0.013	15	0.34	17.425	18	33.6	57.23	16	33.6	K2 J	12A	8745	A -15 6491
65		7.9G	43 24.490	-0.0041	11	-13 43 55.53	-0.011	08	0.50	24.686	17	01.7	54.92	17	96.2	K0	GC	32984	-14 6539
66		8.4A	43 24.926	0.0002	13	-10 48 9.30	0.027	15	0.29	24.923	18	33.6	9.73	16	33.6	F	J 11	8260	A -11 6135
67		5.7Q	43 25.172	0.0093	04	-18 57 22.27	0.034	04	0.30	24.554	12	83.6	24.44	12	85.3	A5	GC	32985K	B*-19 6506
68		7.0Q	43 25.519	0.0114	10	-18 57 26.72	0.048	11	0.54	24.984	18	03.0	29.03	19	01.3	A5	GC	32986K	-19 6506
69		8.0A	43 27.611	0.0024	21	-15 24 42.30	-0.047	15	0.34	27.572	18	33.6	41.52	16	33.6	K5 J	12A	8747	A -15 6494
70		8.8A	43 29.551	0.0022	20	-17 24 49.50	-0.028	15	0.33	29.514	18	33.6	49.04	16	33.6	K5 J	12B	9904	A -17 6814
71		8.9A	43 35.148	0.0024	21	-14 46 34.75	-0.001	15	0.34	35.110	18	33.6	34.74	16	33.6	G0 J	12A	8749	A -15 6495
72		8.0Q	43 43.727	0.0008	11	-13 38 32.12	-0.001	09	0.52	43.686	17	02.0	32.05	17	98.2	G5	GC	32992	-14 6540
73		8.6A	43 59.796	0.0066	15	-13 2 5.96	-0.105	17	0.31	59.689	18	33.6	2.25	16	33.6	K0 J	11	8263K	A -13 6461
74		9.1A	44 3.903	0.0012	20	-19 1 57.97	0.014	15	0.33	3.883	18	33.6	58.19	16	33.6	G5 J	12B	9905	A -19 6509
75		9.1A	44 19.001	-0.0041	15	-12 1 48.59	-0.051	17	0.31	19.069	18	33.6	47.76	16	33.6	G0 J	11	8264	A -12 6558
76		9.2A	44 26.183	0.0002	21	-14 23 56.68	0.019	15	0.34	26.180	18	33.6	56.99	16	33.6	K5 J	12A	8751	A -14 6546
77		8.7A	44 32.304	0.0007	20	-17 22 38.69	-0.013	15	0.33	32.292	18	33.6	38.47	16	33.6	K0 J	12B	9909	A -17 6816
78		8.8A	44 32.370	0.0049	18	-19 26 50.54	-0.006	15	0.31	32.291	16	33.7	50.43	16	33.7	F5 J	13A	9907	A -19 6510
79		8.8A	44 32.577	0.0078	18	-19 37 56.83	0.004	13	0.30	32.450	16	33.7	56.90	16	33.7	F8 J	13A	9908	A -20 6655
80		5.9T	44 41.417	-0.0036	03	-12 11 15.25	-0.083	03	0.20	41.597	09	00.5	10.72	09	95.7	K0	GC	33014	B*-12 6559
81		8.5A	44 45.331	-0.0063	15	-10 5 7.76	-0.063	17	0.31	45.433	18	33.6	6.72	16	33.6	F8 J	11	8266	A -10 6168
82		9.2A	44 49.744	-0.0015	21	-14 50 6.83	-0.048	15	0.34	49.769	18	33.6	6.05	16	33.6	F5 J	12A	8753	A -15 6497
83		8.8A	44 56.569	0.0018	20	-18 13 13.60	0.003	15	0.33	56.539	18	33.6	13.65	16	33.6	F0 J	12B	9912	A -18 6370
84		8.8A	45 0.875	0.0042	21	-16 15 37.29	0.048	15	0.34	0.806	18	33.6	38.07	16	33.6	F5 J	12A	8754	A -16 6363
85		9.3A	45 3.260	0.0090	17	-11 42 53.49	-0.024	18	0.33	3.112	18	33.6	53.09	16	33.6	G0 J	11	8267	A -12 6562
86		8.2A	45 4.298	0.0017	13	-10 12 31.59	0.044	15	0.29	4.271	18	33.6	32.31	16	33.6	F8 J	11	8268	A -10 6169
87		9.2A	45 5.646	-0.0011	21	-16 7 49.34	-0.032	15	0.34	5.663	18	33.6	48.81	16	33.6	K5 J	12A	8755	A -16 6365
88		8.5A	45 15.316	-0.0004	17	-10 50 25.88	-0.007	18	0.33	15.322	18	33.6	23.77	16	33.6	K2 J	11	8269	A -11 6139
89		8.1A	45 21.690	-0.0024	21	-14 11 37.15	-0.068	15	0.34	21.730	18	33.7	35.71	16	33.7	K0 J	12A	8756	A -14 6550
90		7.5T	45 34.787	-0.0078	14	-16 58 34.80	-0.036	12	0.75	35.195	24	97.8	32.83	21	95.4	F5	GC	33033	-17 6819
91		9.0A	45 39.357	0.0134	20	-19 20 58.44	0.019	15	0.33	39.139	16	33.7	58.75	16	33.7	K0 J	13A	9913	A -19 6511
92		8.4A	45 53.666	0.0036	15	-11 47 12.63	-0.012	17	0.31	53.607	18	33.6	12.43	16	33.6	K2 J	11	8271	A -12 6565
93		7.6Q	45 55.533	0.0002	09	-19 9 44.46	-0.026	07	0.46	55.523	17	99.6	43.01	15	95.2	K0	GC	33038	-19 6513
94		9.0A	46 0.530	0.0019	21	-15 8 10.71	-0.003	15	0.34	0.499	18	33.7	10.65	16	33.7	F5 J	12A	8758	A -15 6500
95		8.8A	46 1.433	0.0150	21	-15 29 14.54	-0.112	15	0.34	1.188	18	33.7	12.70	16	33.7	G5 J	12A	8759	A -16 6370
96		9.1A	46 4.640	0.0002	21	-14 9 53.00	-0.007	15	0.34	4.637	18	33.7	52.88	16	33.7	F0 J	12A	8760	A -14 6552
97		8.6A	46 5.438	0.0047	15	-12 3 13.54	-0.083	17	0.31	5.361	18	33.6	12.18	16	33.6	G	J 11	8272	A -12 6566
98		9.0A	46 6.611	0.0013	21	-16 32 51.26	0.001	15	0.34	6.590	18	33.7	51.27	16	33.7	K2 J	12A	8761	A -17 6822
99		8.8A	46 16.300	0.0011	18	-11 44 10.27	-0.010	20	0.35	16.283	18	33.6	10.12	16	33.6	K0 J	11	8273	A -12 6567
00		8.8A	46 20.701	0.0002	21	-14 26 12.91	-0.045	15	0.34	20.697	18	33.7	12.17	16	33.7	F5 J	12A	8762	A -14 6553

165900			EPOCH 1950								ORIGINAL EPOCH						SP.	SOURCE		-10° 23H
NUMBER	MAGNITUDES		α_{1950}	μ	σ_μ	δ_{1950}	μ'	$\sigma_{\mu'}$	σ_{1950}		α_2	σ	ep.	δ_2	σ'	ep.		CAT.	STAR NUMBER	
	m_{pg}	m_v	h m s	s	″.001	° ′ ″	″	″.001	″		s	″.01		″	″.01					DM NUMBER
1		8.4A	23 46 32.735	0.0030	21	-16 32 23.43	-0.008	15	0.34		32.685	18	33.7	23.30	16	33.7	KO J	12A	8763	A -17 6825
2		8.9A	46 37.213	0.0044	21	-15 11 49.29	-0.014	15	0.34		37.191	18	33.7	49.06	16	33.7	KO J	12A	8764	A -15 6501
3		9.0A	46 41.186	0.0013	21	-13 34 55.49	0.008	15	0.34		41.165	18	33.7	55.62	16	33.7	FO J	12A	8765	A -14 6558
4		9.2A	46 41.746	-0.0036	21	-13 49 34.50	-0.003	15	0.34		41.805	18	33.7	34.45	16	33.7	GO J	12A	8766	A -14 6557
5		6.4T	46 56.670	0.0032	10	-16 8 19.53	-0.018	07	0.50		56.498	18	96.1	18.47	15	91.6	KO	GC	33060	-16 6373
6		8.7A	47 5.790	0.0005	21	-15 3 20.88	-0.030	15	0.34		5.781	18	33.7	20.39	16	33.7	K2 J	12A	8768	A -15 6502
7		8.7A	47 7.501	0.0040	17	-11 53 13.56	-0.071	18	0.33		7.435	18	33.7	12.39	16	33.7	GO J	11	8281	A -12 6571
8		8.1T	47 22.218	0.0014	11	-14 36 49.50	0.009	09	0.53		22.150	18	02.3	49.99	17	97.5	A5	GC	33068	-15 6503
9		6.7T	47 31.792	-0.0086	12	-11 22 50.72	-0.012	10	0.57		32.206	18	01.9	50.13	18	99.0	F2	GC	33071	-11 6146
10		8.9A	47 37.650	0.0085	18	-17 39 15.76	-0.023	13	0.31		37.512	18	33.7	15.38	16	33.7	F5 J	12A	8770K	A -18 6378
11		6.1H	47 39.915	0.0091	02	-10 15 12.10	0.079	02	0.06		39.629	03	18.7	14.61	03	18.1	KO	F4	897	-10 6177
12		7.0T	47 52.301	-0.0008	11	-14 51 27.79	0.014	08	0.49		52.337	18	03.7	28.54	17	98.2	KO	GC	33077	-15 6505
13		8.0A	47 52.979	0.0011	21	-15 15 42.10	-0.003	15	0.34		52.961	18	33.7	42.04	16	33.7	AO J	12A	8772	A -15 6506
14		7.9A	47 56.179	-0.0001	21	-13 23 18.93	-0.000	15	0.34		56.180	18	33.7	18.92	16	33.7	KO J	12A	8773	A -13 6471
15		5.9T	47 58.572	0.0023	04	-14 40 46.22	-0.030	05	0.25		58.455	10	99.8	44.75	10	00.2	KO	GC	33081	B*-15 6507
16		8.8A	48 15.124	0.0003	21	-16 24 7.19	0.002	15	0.34		15.119	18	33.7	7.22	16	33.7	KO J	12A	8775	A -16 6376
17		8.5A	48 20.739	-0.0000	17	-13 5 55.95	0.027	18	0.33		20.739	18	33.7	56.40	16	33.7	FO J	11	8282	A -13 6472
18		5.3T	48 46.443	0.0013	04	-19 11 13.92	0.004	04	0.22		46.374	07	97.4	14.11	09	95.1	A0P	GC	33092	B*-19 6522
19		8.8A	48 58.866	-0.0023	20	-18 8 41.06	-0.152	15	0.33		58.904	18	33.6	38.56	16	33.6	KO J	12B	9930	A -18 6383
20		9.2A	49 3.354	-0.0064	21	-15 38 23.98	-0.046	15	0.34		3.458	18	33.7	23.22	16	33.7	GO J	12A	8777	A -16 6378
21		9.0A	49 3.586	0.0002	21	-14 15 47.69	-0.001	15	0.34		3.582	18	33.7	47.67	16	33.7	A0 J	12A	8776	A -14 6563
22		9.4A	49 10.525	0.0007	21	-17 9 26.60	-0.048	15	0.34		10.514	18	33.7	25.82	16	33.7	KO J	12A	8778	A -17 6832
23		8.7A	49 20.298	0.0012	17	-18 56 24.78	-0.037	12	0.29		20.279	18	33.6	24.16	16	33.6	KO J	12B	9931	A -19 6524
24		9.3A	49 29.887	0.0025	21	-14 8 8.37	0.023	15	0.34		29.846	18	33.7	8.74	16	33.7	GO J	12A	8779	A -14 6564
25		8.6A	49 35.690	0.0035	15	-11 59 53.96	-0.024	15	0.30		35.632	18	33.7	53.57	16	33.7	G5 J	11	8283	A -12 6578
26		9.1A	49 37.401	0.0057	20	-17 40 54.27	-0.002	15	0.33		37.307	18	33.6	54.24	16	33.6	F5 J	12B	9932	A -18 6387
27		8.8A	49 39.708	0.0046	21	-16 40 35.90	0.029	15	0.34		39.632	18	33.7	36.37	16	33.7	G5 J	12A	8780	A -17 6834
28		9.2A	49 40.068	0.0003	21	-16 7 57.32	0.003	15	0.34		40.064	18	33.7	57.36	16	33.7	M2E J	12A	8781	A -16 6379
29		9.4A	49 43.009	-0.0029	15	-10 2 57.37	-0.012	17	0.31		43.056	18	33.7	57.18	16	33.7	GO J	11	8284	A -10 6184
30		8.9A	49 47.380	-0.0063	20	-18 29 19.09	-0.035	15	0.33		47.484	18	33.6	18.51	16	33.6	G5 J	12B	9934	A -19 6525
31		9.1A	49 52.976	0.0038	15	-11 7 5.43	-0.002	17	0.31		52.913	18	33.7	5.39	16	33.7	F8 J	11	8286	A -11 6151
32		9.2A	49 55.579	-0.0007	21	-16 35 14.65	-0.007	15	0.34		55.591	18	33.7	14.54	16	33.7	K5 J	12A	8782	A -17 6835
33		6.0T	49 55.874	-0.0072	05	-14 31 45.51	0.004	04	0.25		56.207	12	03.6	45.74	12	98.4	KO	GC	33118	B*-15 6515
34		6.7T	50 5.216	0.0024	13	-18 50 23.30	0.013	12	0.66		5.100	21	01.5	23.94	19	98.9	AO	GC	33123	-19 6527
35		8.1A	50 7.006	-0.0006	21	-16 39 9.17	0.015	15	0.34		7.015	18	33.7	9.41	16	33.7	M2 J	12A	8784	A -17 6836
36		8.0A	50 13.295	-0.0010	17	-12 17 41.04	-0.014	18	0.33		13.311	18	33.7	40.82	16	33.7	M3 J	11	8289	A -12 6579
37		9.0A	50 15.334	0.0040	21	-14 21 48.94	0.033	15	0.34		15.268	18	33.7	49.47	16	33.7	F2 J	12A	8785	A -14 6567
38		9.0A	50 15.743	0.0039	21	-16 59 37.12	-0.017	15	0.34		15.678	18	33.7	36.84	16	33.7	A5 J	12A	8786	A -17 9837
39		8.8A	50 20.542	0.0013	17	-11 5 43.06	0.002	18	0.33		20.520	18	33.7	43.10	16	33.7	G5 J	11	8290	A -11 6152
40		9.0A	50 22.766	-0.0050	21	-16 45 29.34	-0.012	15	0.34		22.847	18	33.7	29.14	16	33.7	G5 J	12A	8787	A -17 6838
41		7.3A	50 38.917	0.0090	17	-11 17 29.54	-0.090	18	0.33		38.770	18	33.7	28.06	16	33.7	KO J	11	8291	A -11 6154
42		9.3A	50 42.757	-0.0015	18	-16 16 44.06	-0.007	13	0.31		42.782	18	33.7	43.94	16	33.7	K5 J	12A	8788	A -16 6381
43		8.8A	50 54.594	0.0021	20	-18 32 32.72	-0.028	15	0.33		54.560	18	33.6	32.25	16	33.6	K2 J	12B	9937	A -19 6530
44		8.8A	50 55.799	0.0035	15	-12 13 40.13	0.000	17	0.31		55.742	18	33.7	40.14	16	33.7	KO J	11	8293	A -12 6582
45		8.8A	50 56.493	0.0033	17	-10 17 2.96	-0.022	18	0.33		56.439	18	33.7	2.61	16	33.7	K5 J	11	8294	A -10 6191
46		9.2A	51 10.852	-0.0013	21	-16 8 35.30	0.035	15	0.34		10.874	18	33.7	35.86	16	33.7	GO J	12A	8789	A -16 6383
47		7.8A	51 11.410	-0.0013	17	-18 38 35.20	-0.004	12	0.29		11.388	18	33.6	35.13	16	33.6	G5 J	12B	9942	A*-19 6533
48		9.0A	51 17.473	-0.0028	17	-11 50 55.88	-0.005	18	0.33		17.520	18	33.7	55.80	16	33.7	GO J	11	8295	A -12 6584
49		8.9A	51 45.159	0.0011	21	-15 55 8.81	-0.025	15	0.34		45.142	18	33.7	0.40	16	33.7	KO J	12A	8791	A -16 6385
50		8.9A	52 20.062	0.0029	20	-19 24 32.33	-0.002	15	0.33		20.015	16	33.7	32.29	16	33.7	G5 J	13A	9943	A -19 6540
51		7.9A	23 52 51.234	0.0012	20	-18 6 18.63	0.129	15	0.33		51.214	18	33.6	20.75	16	33.6	F5 J	12B	9948	A -18 6397
52		8.6A	52 53.395	0.0054	15	-12 13 56.13	0.017	15	0.30		53.307	18	33.7	56.42	16	33.7	GO J	11	8299	A -12 6586
53		9.0A	52 55.998	0.0023	21	-15 7 24.52	0.006	15	0.34		55.961	18	33.7	24.61	16	33.7	GO J	12A	8793	A -15 6521
54		8.8A	52 56.092	0.0125	21	-14 1 49.83	-0.047	15	0.34		55.887	18	33.7	49.05	16	33.7	GO J	12A	8792	A -14 6577
55		8.7A	53 3.836	-0.0002	15	-11 4 8.53	-0.010	17	0.31		3.838	18	33.7	8.37	16	33.7	G5 J	11	8300	A -11 6161
56		6.8T	53 11.582	-0.0029	10	-13 25 47.86	-0.068	08	0.53		11.740	17	96.4	43.75	14	89.1	G5	GC	33189	-13 6485
57		8.0A	53 14.070	0.0106	21	-14 14 42.76	0.036	15	0.34		13.896	18	33.7	43.34	16	33.7	F5 J	12A	8795	A -14 6579
58		8.7A	53 22.288	0.0009	15	-11 8 37.95	0.000	17	0.31		22.274	18	33.7	37.95	16	33.7	K2 J	11	8303	A -11 6164
59		9.0A	53 26.380	-0.0038	15	-11 30 19.69	-0.053	17	0.31		26.443	18	33.7	18.83	16	33.7	G5 J	11	8304	A -12 6588
60		8.1A	53 27.102	0.0027	15	-12 45 54.80	-0.032	17	0.31		27.057	18	33.7	54.29	16	33.7	F0 J	11	8305	A -13 6487
61		8.8A	53 33.677	0.0016	20	-18 17 6.19	-0.014	15	0.33		33.650	18	33.6	5.96	16	33.6	A2 J	12B	9953	A -18 6402
62		9.0A	53 41.242	-0.0006	21	-13 47 21.79	-0.012	15	0.34		41.252	18	33.7	21.59	16	33.7	F5 J	12A	8796	A -14 6581
63		9.0A	54 1.036	0.0007	21	-17 32 44.48	-0.037	15	0.34		1.027	18	33.7	43.87	16	33.7	F5 J	12A	8797	A -18 6403
64		9.2A	54 6.556	0.0023	21	-17 20 11.50	0.018	15	0.34		6.518	18	33.7	11.79	16	33.7	KO J	12A	8798	A -17 6848
65		9.2A	54 11.817	0.0009	21	-16 40 8.89	-0.007	15	0.34		11.802	18	33.7	8.77	16	33.7	KO J	12A	8799	A -17 6849
66		8.8A	54 13.495	0.0018	15	-10 18 21.29	-0.014	17	0.31		13.465	18	33.7	21.06	16	33.7	KO J	11	8307	A -10 6204
67		9.1A	54 43.828	0.0154	20	-18 40 26.35	-0.061	15	0.33		43.575	18	33.6	25.34	16	33.6	KO J	12B	9961	A -19 6544
68		9.2A	54 48.839	0.0014	18	-16 22 26.41	0.030	13	0.31		48.815	18	33.7	26.90	16	33.7	GO J	12A	8800	A -16 6390
69		9.2A	55 22.666	0.0069	21	-17 17 51.65	-0.120	15	0.34		22.553	18	33.7	49.69	16	33.7	GO J	12A	8801	A -17 6850
70		9.2A	55 23.717	0.0007	21	-14 57 19.50	-0.024	15	0.34		23.706	18	33.7	19.11	16	33.7	F2 J	12A	8802	A -15 6524
71		8.2A	55 42.345	-0.0055	15	-11 44 10.30	-0.027	15	0.30		42.436	18	33.7	9.86	16	33.7	G5 J	11	8310	A -12 6592
72		6.4T	55 46.916	0.0055	04	-16 7 32.92	-0.005	03	0.18		46.683	07	07.7	32.69	07	04.8	K2	GC	33242	B*-16 6394
73		9.2A	55 52.160	0.0031	18	-17 30 19.26	0.007	12	0.30		52.109	18	33.6	19.37	16	33.6	G5 J	12B	9966	A -18 6405
74		8.4A	55 59.833	-0.0018	15	-12 44 44.14	-0.014	17	0.31		59.862	18	33.7	43.92	16	33.7	FO J	11	8311	A -13 6495
75		7.2T	56 0.507	-0.0013	20	-14 24 14.03	-0.007	18	0.95		0.567	22	02.1	13.67	21	00.3	FO	GC	33247	-14 6588
76		8.6A	56 6.273	0.0050	15	-11 58 1.81	0.036	17	0.31		6.191	18	33.7	2.39	16	33.7	G0 J	11	8312	A -12 6593
77		7.5A	56 17.160	0.0021	18	-19 55 50.87	-0.006	13	0.30		17.125	16	33.7	50.77	16	33.7	KO J	13A	9969	A -20 6682
78		8.5A	56 19.386	0.0026	15	-13 3 25.98	0.032	17	0.31		19.344	18	33.7	26.52	16	33.7	G5 J	11	8313	A -13 6496
79		8.3A	56 28.719	0.0029	15	-12 12 56.88	-0.061	17	0.31		28.673	18	33.7	55.88	16	33.7	F8 J	11	8314	A -12 6594
80		8.9A	56 32.702	0.0000	20	-14 13 22.89	-0.024	11	0.31		32.701	18	33.7	22.49	16	33.7	K7 J	12A	8806	A -14 6590
81		9.4A	56 34.255	-0.0011	18	-16 29 54.49	-0.024	13	0.31		34.273	18	33.7	54.88	16	33.7	F5 J	12A	8807	A -17 6855
82		8.5A	56 37.087	0.0026	20	-18 49 4.70	-0.013	15	0.33		37.044	18	33.6	4.48	16	33.6	KO J	12B	9971	A -19 6549
83		8.7A	56 90.059	0.0809	21	-17 13 20.58	-0.046	15	0.34		48.737	18	33.7	19.85	16	33.7	G5 J	12A	8808	A -17 6856
84		9.0A	56 51.263	0.0036	21	-13 35 30.77	-0.005	15	0.34		51.204	18	33.7	30.85	16	33.7	FO J	12A	8809	A -14 6592
85		9.0A	56 59.992	0.0009	18	-19 48 30.32	-0.014	13	0.30		59.977	16	33.7	30.09	16	33.7	F8 J	13A	9974	A -20 6685
86		8.7A	57 16.253	0.0003	20	-18 47 8.75	-0.016	15	0.33		16.247	18	33.6	8.48	16	33.6	KO J	12B	9975	A -19 6553
87		8.9A	57 22.494	0.0023	15	-13 12 40.91	0.003	17	0.31		22.458	18	33.7	40.97	16	33.7	F5 J	11	8317	A -13 6500
88		8.8A	57 26.536	0.0152	20	-19 46 38.75	-0.024	15	0.33		26.289	16	33.7	38.36	16	33.7	KO J	13A	9977	A -20 6688
89		9.4A	57 27.667	0.0015	21	-15 5 38.44	0.027	15	0.34		27.663	18	33.7	38.88	16	33.7	KO J	12A	8810	A -15 6527
90		8.3A	57 32.593	0.0037	18	-18 17 28.20	-0.008	12	0.30		32.532	18	33.6	28.07	16	33.6	K2 J	12B	9979	A -18 6409
91		8.4A	57 36.355	-0.0008	18	-19 41 35.28	0.018	13	0.30		36.368	16	33.7	35.57	16	33.7	K2 J	13A	9980	A -20 6689
92		9.0A	57 46.653	-0.0085	21	-13 40 16.93	-0.040	15	0.34		46.793	18	33.7	16.27	16	33.7	F5 J	12A	8811	A -14 6597
93		8.0A	57 49.997	-0.0005	17	-10 44 28.15	0.041	18	0.33		50.005	18	33.7	28.83	16	33.7	F2 J	11	8319	A -11 6175
94		8.6A	57 50.307	0.0108	21	-14 46 7.96	-0.006	15	0.34		50.131	18	33.7	8.06	16	33.7	G5 J	12A	8812	A -15 6528
95		7.9A	57 52.538	0.0118	21	-16 58 29.88	-0.029	15	0.34		52.344	18	33.7	29.41	16	33.7	F5 J	12A	8813	A -17 6860
96		8.8A	58 18.355	0.0136	15	-13 6 17.69	0.061	17	0.31		18.133	18	33.7	18.68	16	33.7	G0 J	11	8321	A -13 6504
97		8.5A	58 23.068	0.0288	15	-12 6 3.52	-0.080	15	0.30		22.597	18	33.7	2.20	16	33.7	G0 J	11	8322	A -12 6598
98		8.9A	58 25.784	0.0001	15	-11 12 48.27	-0.039	15	0.30		25.782	18	33.7	47.62	16	33.7	G5 J	11	8323	A -11 6177
99		9.2A	58 29.200	0.0023	21	-17 6 16.16	0.004	15	0.34		29.163	18	33.7	16.23	16	33.7	F2 J	12A	8814	A -17 6861
00		8.5A	58 38.748	-0.0007	15	-12 14 31.32	0.027	17	0.31		38.760	18	33.7	31.77	16	33.7	F8 J	11	8324	A -12 6599

166000

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	σ'_μ ″.001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	DM NUMBER
1		9.2A	23 58 40.256	-0.0008	20	-19 17 14.05	-0.050	15	0.33	40.270	18	53.6	13.22	16	53.6	K0 J	328	9984	A -19 6558
2		8.3A	59 10.944	0.0062	21	-16 48 37.35	0.039	15	0.34	10.842	18	53.7	37.99	16	53.7	K2 J	32A	8815	A -17 6864
3		8.9A	59 23.674	0.0012	15	-12 49 38.43	-0.009	17	0.31	23.654	18	53.7	38.30	16	53.7	F8 J	31	8327	A -13 6507
4		9.2A	59 31.187	-0.0011	18	-16 25 48.14	0.001	13	0.31	31.204	18	53.7	48.15	16	53.7	K5 J	32A	8816	A -16 6405
5		A	59 33.643	-0.0009	24	-14 57 15.21	-0.016	17	0.38	33.658	18	53.7	14.95	16	53.7	K P J	32A	8817V	A -15 6531
6		8.7A	59 40.715	0.0012	15	-12 14 33.07	0.041	17	0.31	40.695	18	53.7	33.74	16	53.7	A0 J	31	8328	A -12 6600
7		7.9T	59 42.153	0.0189	13	-13 41 10.77	0.042	10	0.66	41.168	19	88.0	13.11	17	84.0	F8	GC	33335	-14 6603
8		9.1A	59 47.040	0.0080	21	-13 41 50.60	0.041	15	0.34	46.909	18	53.7	51.27	16	53.7	G0 J	32A	8819	A -14 6605

-10°
23H

166000

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	EPOCH 1950 μ s	EPOCH 1950 σ_μ ″.001	EPOCH 1950 δ_{1950} ° ′ ″	EPOCH 1950 μ' ″	EPOCH 1950 σ'_μ ″.001	EPOCH 1950 σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.		SOURCE CAT.	SOURCE STAR NUMBER	-20° 0H DM NUMBER
9		9.3R	0 0 5.526	0.0021	20	-25 23 48.98	0.053	20	0.36	5.492	16	33.7	49.84	16	33.7	F0	M	14	15957	E -2516759
10		8.6R	0 0 11.221	0.0060	18	-22 10 6.14	-0.071	18	0.33	11.124	16	33.7	5.00	16	33.7	G5	J	14	15958	E -2216557
11		9.2R	0 0 14.336	0.0034	17	-25 13 24.62	-0.007	17	0.31	14.281	16	33.7	24.50	16	33.7	A0	J	14	15959	E -2516760
12		9.2R	0 0 15.217	0.0019	15	-24 9 14.55	-0.008	15	0.29	15.186	16	33.7	14.42	16	33.7	A0	J	14	15960K	E -2417956
13		8.7R	0 0 20.075	0.0049	17	-25 40 24.18	0.032	17	0.31	19.995	16	33.7	24.71	16	33.7	F5	J	14	15961	E -2616882
14		6.3T	0 0 23.575	0.0077	11	-20 19 32.26	0.075	08	0.57	23.146	19	94.3	36.63	18	91.7	F8		GC	8	-20 6703
15		8.4R	0 0 32.662	-0.0023	20	-25 32 21.10	-0.018	20	0.36	32.699	16	33.7	20.81	16	33.7	K2	J	14	15962	E -2516764
16		6.5T	0 0 34.030	0.0028	11	-24 25 25.17	0.004	11	0.60	33.878	15	96.6	25.37	17	93.6	G5		GC	12	C -2417960
17		8.0T	0 0 37.009	0.0037	14	-24 52 1.51	0.002	12	0.71	36.824	18	99.8	1.61	18	97.2	F0		GC	13	C*-2516766
18		9.4R	0 0 38.469	-0.0012	18	-24 9 49.05	-0.034	18	0.33	38.489	16	33.7	48.48	16	33.7	K0	J	14	15965	E -2417961
19		8.7R	0 0 43.369	0.0009	18	-23 53 35.77	-0.013	18	0.33	43.355	16	33.7	35.56	16	33.7	F5	J	14	15966	E -2417962
20		8.2R	0 0 51.823	0.0002	20	-26 41 36.71	0.023	20	0.36	51.820	16	33.7	37.09	16	33.7	G5	J	14	15967	E -2716528
21		9.0R	0 0 52.463	-0.0006	20	-29 16 43.43	0.005	20	0.36	52.472	16	33.7	43.52	16	33.7	F2	J	13B	15185K	J -2918941
22		9.0R	0 0 56.620	-0.0002	18	-23 32 45.29	-0.027	18	0.33	56.624	16	33.7	44.84	16	33.7	K5	J	14	15968	E -2318127
23		8.4R	1 0 3.661	0.0006	20	-28 41 44.14	0.004	20	0.36	3.650	16	33.7	44.20	16	33.7	B9	J	13B	15188	J -2918945
24		8.4R	1 0 7.014	0.0210	20	-28 40 21.48	-0.135	20	0.36	6.672	16	33.7	19.28	16	33.7	G5	J	13B	15189	J -2918946
25		8.1R	1 0 19.663	0.0101	12	-28 40 19.13	-0.016	12	0.25	19.498	16	33.7	18.88	16	33.7	G5	J	13B	15190	J -2918947
26		9.3R	1 0 28.051	-0.0021	15	-22 46 55.57	-0.002	15	0.29	28.085	16	33.7	55.54	16	33.7	G5	J	14	15971	E -2318132
27		8.4R	1 0 34.124	0.0080	12	-26 10 13.53	-0.042	12	0.25	33.993	16	33.7	12.85	16	33.7	G0	J	14	15972	E -2616889
28		8.7R	1 0 43.212	-0.0090	20	-26 11 27.97	-0.149	20	0.36	43.358	16	33.7	25.55	16	33.7	G5	M	14	15973	E -2616890
29		8.9R	1 0 45.215	0.0003	18	-23 31 56.17	0.016	18	0.33	45.210	16	33.7	56.42	16	33.7	K0	J	14	15974	E -2318133
30		9.2A	1 0 45.449	0.0030	17	-20 50 47.32	-0.040	12	0.28	45.400	16	33.6	46.67	16	33.6	F8	J	13A	9993	A -21 6524
31		6.5T	1 0 46.917	0.0023	11	-29 32 49.59	0.019	12	0.65	46.796	15	97.6	50.60	18	96.8	A2		GC	34	C -2918950
32		7.6T	1 0 49.638	0.0023	12	-29 39 35.60	0.015	12	0.65	49.519	18	98.5	36.39	18	96.9	A0		GC	35	C*-3019813
33		9.3A	2 0 3.561	-0.0046	18	-21 11 5.26	0.010	15	0.31	3.637	16	33.6	5.43	16	33.6	G5	J	13A	9995	A -21 6526
34		8.4R	2 0 7.795	0.0017	20	-29 7 49.18	-0.024	20	0.36	7.767	16	33.7	48.79	16	33.7	K0	J	13B	15196	J -2918953
35		8.9R	2 0 10.936	0.0008	20	-27 32 18.36	-0.005	20	0.36	10.923	16	33.7	18.29	16	33.7	F0	J	13B	15197	J -2716536
36		8.6R	2 0 11.909	-0.0001	20	-25 43 26.25	-0.071	20	0.36	11.911	16	33.7	25.10	16	33.7	G0	J	14	15975	E -2616896
37		8.7R	2 0 41.695	0.0116	15	-27 32 58.20	-0.031	15	0.29	41.506	16	33.7	57.69	16	33.7	F8	J	13B	1	J -2716538
38		8.3R	2 0 46.806	-0.0009	18	-21 35 36.41	0.007	18	0.33	46.821	16	33.7	36.53	16	33.7	A0	J	14	1	E -2216566
39		9.6R	2 0 47.858	0.0024	18	-24 2 35.12	0.031	18	0.33	47.819	16	33.7	35.61	16	33.7	A	M	14	2	E -2417975
40		9.1R	2 0 57.851	-0.0030	15	-24 2 2.33	-0.022	15	0.29	57.900	16	33.7	1.97	16	33.7	G5	M	14	4	E -2417977
41		9.1R	3 0 9.673	0.0025	15	-22 47 16.92	0.017	15	0.29	9.632	16	33.7	17.20	16	33.7	F8	J	14	5	E -2318135
42		9.5R	3 0 22.500	-0.0004	20	-21 56 22.80	-0.006	20	0.36	22.507	16	33.7	22.70	16	33.7	G0	J	14	6	E -2216570
43		7.6R	3 0 36.086	0.0026	12	-29 25 47.75	-0.006	12	0.25	36.043	16	33.7	47.65	16	33.7	A0	J	13B	6	J -2918964
44		9.1R	3 0 38.587	-0.0040	18	-23 49 0.96	-0.007	18	0.33	38.652	16	33.7	0.84	16	33.7	F5	J	14	7	E -2417980
45		8.4R	3 0 42.012	-0.0016	15	-24 46 54.13	-0.023	15	0.29	42.038	16	33.7	53.75	16	33.7	G5	J	14	8	E -2516791
46		9.3R	3 0 48.815	-0.0003	20	-24 52 49.92	-0.025	20	0.36	48.820	16	33.7	49.51	16	33.7	F8	M	14	9	E -2516792
47		9.0R	3 0 58.075	0.0004	18	-21 46 46.83	0.019	18	0.33	58.069	16	33.7	47.15	16	33.7	F0	J	14	10	E -22 1
48		9.4R	4 0 3.035	0.0051	17	-25 34 25.48	0.036	17	0.31	2.951	16	33.7	26.07	16	33.7	F5	M	14	11	E -25 2
49		9.4R	4 0 3.087	0.0008	17	-24 40 1.60	0.017	17	0.31	3.074	16	33.7	1.87	16	33.7	G	M	14	12	E -25 3
50		9.0R	4 0 3.498	0.0029	18	-23 40 58.25	0.031	18	0.33	3.451	16	33.7	58.74	16	33.7	G0	J	14	13	E -24 2
51		8.1R	4 0 6.648	-0.0030	15	-24 53 53.55	-0.065	15	0.29	6.696	16	33.7	52.49	16	33.7	F5	J	14	14	E -25 4
52		9.3A	4 0 13.216	-0.0176	15	-21 21 53.65	-0.405	11	0.26	13.504	16	33.6	47.03	16	33.6	G5	J	13A	7	A -21 6537
53		6.1H	4 0 16.669	0.0072	03	-23 23 6.93	-0.038	03	0.09	16.485	05	24.6	5.85	05	21.8	F0		F4	1003	C -23 4
54		9.0A	4 0 18.096	0.0017	20	-20 11 32.50	-0.018	15	0.33	18.068	16	33.6	32.21	16	33.6	K0	J	13A	8	A -20 6723
55		9.5R	4 0 20.949	-0.0003	18	-23 6 35.31	-0.060	18	0.33	20.954	16	33.7	34.33	16	33.7	G5	M	14	16	E -23 5
56		9.3R	4 0 27.668	0.0052	12	-27 51 52.69	0.019	12	0.25	27.583	16	33.7	53.01	16	33.7	G0	J	13B	9	J -28 2
57		8.4R	4 0 28.519	0.0064	15	-22 6 34.28	-0.033	15	0.29	28.415	16	33.7	33.74	16	33.7	G5	J	14	17	E -22 3
58		8.7R	4 0 29.949	0.0031	15	-25 52 46.61	-0.015	15	0.29	29.898	16	33.7	46.37	16	33.7	K2	M	14	18	E -26 5
59		9.5R	4 0 34.820	-0.0019	18	-23 18 50.46	-0.043	18	0.33	34.851	16	33.7	49.76	16	33.7	G0	M	14	19	E -23 6
60		8.9R	4 0 38.917	0.0060	18	-23 23 30.60	-0.014	18	0.33	38.819	16	33.7	30.37	16	33.7	G5	J	14	20	E -23 7
61		9.4R	4 0 39.721	-0.0013	18	-22 18 20.94	-0.020	18	0.33	39.743	16	33.7	20.61	16	33.7	F8	J	14	21	E -22 4
62		8.1R	4 0 43.826	-0.0003	12	-27 40 33.03	-0.013	12	0.25	43.831	16	33.7	32.82	16	33.7	K0	J	13B	11	J -28 6
63		6.9T	4 0 48.905	0.0168	11	-25 37 58.54	-0.114	11	0.61	47.996	14	95.9	52.34	14	95.5	F5		GC	105	C -26 8
64		8.8T	4 0 58.466	0.0246	13	-24 5 55.09	0.075	13	0.60	57.384	14	06.1	58.48	14	05.1	G5		GC	109	C -24 8
65		9.2R	4 0 59.081	-0.0011	12	-29 1 41.23	-0.008	12	0.25	59.099	16	33.7	41.10	16	33.7	G5	J	13B	13	J -29 8
66		5.9T	5 0 13.600	0.0037	11	-22 47 11.79	-0.040	10	0.55	13.406	14	97.2	9.69	12	97.4	A0		GC	116K	C -23 13
67		8.9R	5 0 18.405	0.0012	17	-28 36 10.27	0.003	17	0.31	18.384	16	33.7	10.31	16	33.7	G5	J	13B	14	J -29 11
68		9.2R	5 0 18.644	0.0017	17	-27 44 10.36	-0.015	17	0.31	18.616	16	33.7	10.12	16	33.7	F8	J	13B	15	J -28 11
69		8.6R	5 0 32.462	0.0003	17	-29 41 41.00	-0.034	17	0.31	32.458	16	33.7	40.44	16	33.7	G5	J	13B	18	J -30 12
70		8.3R	5 0 45.562	0.0031	18	-22 7 1.68	0.036	18	0.33	45.511	16	33.7	2.28	16	33.7	K0	J	14	25	E -22 11
71		9.1A	5 0 49.589	0.0004	18	-21 18 40.37	-0.030	13	0.30	49.582	16	33.7	39.88	16	33.7	K0	J	13A	15	A -21 4
72		8.2R	5 0 52.058	0.0116	18	-21 41 14.79	0.055	18	0.33	51.870	16	33.7	15.68	16	33.7	G5	J	14	26	E -22 12
73		7.7R	5 0 54.668	0.0043	18	-24 22 19.02	0.034	18	0.33	54.598	16	33.7	19.56	16	33.7	F5	J	14	27	E -24 14
74		8.1R	5 0 56.348	0.0002	15	-26 15 23.89	0.008	15	0.29	56.345	16	33.7	24.03	16	33.7	M0	J	14	28	E -26 22
75		9.3R	6 0 10.447	-0.0006	15	-25 23 6.88	0.007	15	0.29	10.457	16	33.7	6.99	16	33.7	G5	J	14	29	E -25 19
76		9.4R	6 0 19.048	0.0029	15	-25 49 34.02	0.056	15	0.29	19.001	16	33.7	34.94	16	33.7	F0	J	14	30	E -26 26
77		7.3T	6 0 20.744	-0.0032	13	-22 27 27.71	0.004	12	0.68	20.907	18	98.5	27.90	18	96.4	M0		GC	141	-22 7
78		8.5R	6 0 22.626	-0.0007	20	-26 30 6.04	0.034	20	0.36	22.638	16	33.7	6.60	16	33.7	K0	J	14	33	E -26 28
79		9.0R	6 0 24.027	-0.0004	20	-26 4 35.81	-0.006	20	0.36	24.033	16	33.7	35.72	16	33.7	G0	J	14	34	E -26 29
80		9.0R	6 0 30.086	-0.0013	20	-24 36 48.90	0.035	20	0.36	30.107	16	33.7	49.47	16	33.7	F2	J	14	36	E -25 26
81		8.8R	6 0 31.247	0.0054	12	-28 36 28.45	-0.017	12	0.25	31.159	16	33.7	28.18	16	33.7	F8	J	13B	24	J -29 20
82		9.3R	6 0 41.468	0.0088	18	-22 20 15.38	0.039	18	0.33	41.326	16	33.7	16.01	16	33.7	G0	J	14	37	E -22 15
83		5.5T	6 0 48.219	0.0054	07	-28 15 57.79	0.001	07	0.40	47.936	14	97.3	57.86	14	92.3	F2		GC	155K	C*-28 16
84		8.9R	6 0 57.493	0.0006	17	-27 14 27.23	0.030	17	0.31	57.483	16	33.7	27.72	16	33.7	K0	J	13B	28	J -27 18
85		8.6R	7 0 2.437	-0.0013	18	-21 39 35.95	0.024	18	0.33	2.459	16	33.7	36.35	16	33.7	F5	J	14	39	E -22 18
86		9.0R	7 0 9.383	0.0000	18	-22 10 46.26	0.011	18	0.33	9.383	16	33.7	46.44	16	33.7	K5	J	14	41	E -22 19
87		8.6R	7 0 13.523	-0.0059	18	-22 21 55.46	-0.050	18	0.33	13.619	16	33.7	54.64	16	33.7	G5	J	14	42	E -22 20
88		9.2R	7 0 14.885	-0.0055	17	-29 30 22.16	-0.042	17	0.31	14.976	16	33.7	21.48	16	33.7	G0	J	13B	30	J -29 25
89		7.5T	7 0 26.447	0.0046	13	-26 9 12.72	-0.009	11	0.67	26.212	18	99.1	12.24	17	94.6	A2		GC	164	C -26 35
90		9.2R	7 0 34.316	0.0018	12	-28 36 57.93	0.008	12	0.25	34.287	16	33.7	58.07	16	33.7	G0	J	13B	33	J -29 27
91		8.8A	7 0 37.545	0.0025	20	-20 15 42.16	-0.013	15	0.33	37.504	16	33.7	41.95	16	33.7	F8	J	13A	24	A -20 9
92		9.0R	7 0 47.905	-0.0030	18	-23 2 50.95	0.014	18	0.33	47.955	16	33.7	51.18	16	33.7	F8	J	14	45	E -23 29
93		9.4R	7 0 50.003	-0.0018	20	-24 11 42.55	-0.038	20	0.36	50.032	16	33.7	41.92	16	33.7	F5	J	14	46	E -24 21
94		8.3R	8 0 2.625	0.0018	18	-22 24 52.87	0.035	18	0.33	2.597	16	33.7	53.44	16	33.7	K0	J	14	47	E -22 24
95		7.3R	8 0 13.870	-0.0015	18	-22 12 41.26	0.022	18	0.33	13.895	16	33.7	41.61	16	33.7	K0	J	14	48	E -22 25
96		9.3R	8 0 15.619	-0.0019	15	-24 30 46.31	0.014	15	0.29	15.649	16	33.7	46.54	16	33.7	K0	J	14	49	E -24 24
97		9.4R	8 0 20.831	-0.0004	20	-26 43 20.21	0.021	20	0.36	20.837	16	33.7	20.56	16	33.7	G0	J	13B	36	J -27 22
98		8.5R	8 0 31.419	0.0028	18	-23 52 36.05	-0.046	18	0.33	31.373	16	33.7	35.29	16	33.7	G5	J	14	51	E -24 27
99	9.6	8.9W	8 0 45.232	0.0002	21	-29 55 6.68	0.029	21	0.43	45.228	22	32.4	7.19	21	32.4	K0		C7	66	C -30 33
00		8.3A	8 0 45.408	-0.0010	18	-21 31 38.29	-0.054	15	0.31	45.424	16	33.7	37.41	16	33.7	G0	J	13A	27	A -22 18

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NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	σ_μ ″.001	σ 1950 ″	ORIGINAL EPOCH α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.		SOURCE CAT.	STAR NUMBER	-20° 0H DM NUMBER
1		8.6R	0 8 49.369	-0.0007	15	-27 17 27.50	-0.042	15	0.29	49.380	16	33.7	26.82	16	33.7	G5	J	138	40	J -27 25
2		8.9R	8 56.325	-0.0005	15	-26 31 47.93	-0.085	15	0.29	56.333	16	33.7	46.55	16	33.7	A3	J	14	53	E -26 42
3		5.6H	9 2.232	0.0009	02	-28 4 41.40	0.020	02	0.09	2.204	04	18.0	42.09	04	15.9	K0		F4	5	C -28 26
4		8.0R	9 3.801	0.0048	18	-23 54 37.71	0.017	18	0.33	3.723	16	33.7	37.97	16	33.7	F5	J	14	54	E -24 35
5		9.3R	9 12.452	0.0053	12	-22 44 52.57	-0.047	12	0.25	12.366	16	33.7	51.81	16	33.7	G5	J	14	55	E -23 36
6		9.0R	9 21.078	-0.0001	20	-26 28 49.83	0.060	20	0.36	21.079	16	33.7	50.81	16	33.7	G0	J	14	57	E -26 45
7		7.9R	9 22.167	0.0036	18	-23 5 43.31	-0.057	18	0.33	22.108	16	33.7	42.38	16	33.7	F0	J	14	58	E -23 37
8		8.9R	9 37.549	0.0005	15	-27 9 33.56	-0.099	15	0.29	37.540	16	33.7	31.95	16	33.7	F5	J	138	44	J -27 30
9		8.3T	9 40.585	0.0023	22	-28 3 45.31	0.021	20	0.99	40.483	22	04.7	46.30	22	03.7	F5		GC	215	C -28 32
10		9.4R	9 42.849	-0.0011	18	-24 32 45.45	0.040	18	0.33	42.867	16	33.7	46.10	16	33.7	F8	J	14	61	E -24 39
11		9.1R	9 45.362	0.0006	18	-23 34 39.71	0.052	18	0.33	45.353	16	33.7	40.54	16	33.7	G0	J	14	62	E -23 39
12		9.0R	9 46.983	0.0031	20	-28 55 50.17	0.036	20	0.36	46.932	16	33.7	50.76	16	33.7	G0	J	138	46	J -29 36
13		8.6R	9 57.083	0.0165	18	-22 20 38.30	-0.063	18	0.33	56.814	16	33.7	37.27	16	33.7	G0	J	14	63	E -22 30
14		7.9T	10 5.957	0.0220	14	-27 7 58.30	0.120	12	0.71	4.818	17	98.3	* 4.80	18	95.9	G5		GC	223	C -27 37
15		8.9R	10 7.858	0.0028	12	-29 37 11.80	0.027	12	0.25	7.812	16	33.7	12.24	16	33.7	K5	J	138	51	J -30 39
16		8.2R	10 20.974	-0.0020	18	-22 32 32.75	0.023	18	0.33	21.007	16	33.7	33.13	16	33.7	K5	J	14	64	E -22 33
17		9.3R	10 23.582	-0.0046	15	-23 57 23.34	-0.037	15	0.29	23.657	16	33.7	22.73	16	33.7	G0	J	14	65	E -24 46
18		9.0R	10 25.889	-0.0043	13	-29 44 46.99	-0.026	13	0.27	25.960	16	33.7	46.56	16	33.7	F5	J	138	52	J -30 41
19		8.8R	10 31.177	0.0029	15	-25 13 56.22	0.001	15	0.29	31.130	16	33.7	56.24	16	33.7	F8	J	14	66	E -25 52
20		6.7T	10 31.582	0.0004	07	-22 44 54.86	0.019	07	0.33	31.566	10	07.8	55.69	12	06.3	K0		GC	232	C*-23 46
21		9.0R	10 31.885	0.0023	18	-24 13 2.13	0.001	18	0.33	31.848	16	33.7	2.14	16	33.7	G0	J	14	68	E -24 48
22		8.2R	10 36.504	0.0006	18	-23 12 47.89	-0.015	18	0.33	36.495	16	33.7	47.65	16	33.7	K2	J	14	69	E -23 47
23		8.3T	10 37.577	0.0014	20	-28 5 30.61	-0.032	17	0.89	37.514	22	03.8	29.10	21	02.2	G5		GC	235	C -28 40
24		7.5T	10 43.427	0.0010	13	-26 36 11.62	0.001	12	0.69	43.376	15	00.1	11.68	18	97.5	K0		GC	241	C -27 38
25		8.0R	10 45.370	0.0031	18	-24 0 38.03	0.009	18	0.33	45.319	16	33.7	38.16	16	33.7	F0	J	14	71	E -24 51
26		7.3T	10 45.497	0.0013	20	-20 53 50.13	0.055	20	0.93	45.437	21	04.1	52.74	19	02.8	F0		GC	242	-21 15
27		9.1R	11 0.417	0.0011	20	-26 22 4.66	0.022	20	0.36	0.398	16	33.7	5.02	16	33.7	K2	J	14	73	E -26 55
28	8.4	8.6W	11 2.405	-0.0036	21	-29 51 10.50	0.011	21	0.43	2.468	22	32.4	10.69	21	32.4	A2		C7	83	C -30 48
29		9.5R	11 7.270	-0.0027	18	-22 45 35.86	-0.007	18	0.33	7.315	16	33.7	35.75	16	33.7	G0	J	14	74	E -23 50
30		6.1T	11 10.061	0.0019	14	-26 17 56.80	-0.064	12	0.72	9.965	15	99.4	53.39	18	96.3	K2		GC	249	C -26 56
31		6.4T	11 12.353	-0.0015	12	-26 33 46.90	0.016	11	0.65	12.429	15	98.4	47.79	18	95.5	K5		GC	250	C -26 57
32		7.0T	11 12.891	0.0101	12	-23 29 29.56	-0.056	12	0.65	12.363	17	97.6	26.54	17	96.0	K0		GC	251	C*-23 52
33		9.2R	11 33.502	-0.0010	20	-23 29 6.26	-0.050	20	0.36	33.519	16	33.7	5.45	16	33.7	K0	J	14	79	E -23 55
34		9.2R	11 40.105	0.0004	15	-26 22 31.07	0.024	15	0.29	40.099	16	33.7	31.47	16	33.7	F5	J	14	80	E -26 60
35	10.7	9.8W	11 43.699	-0.0051	21	-29 50 38.34	0.037	21	0.43	43.788	22	32.4	38.99	21	32.4			C7	85	C -30 52
36		9.0R	11 47.926	0.0029	18	-21 50 58.67	0.061	18	0.33	47.881	16	33.7	59.66	16	33.7	F5	J	14	81	E -22 44
37		7.4R	11 48.551	-0.0000	17	-27 48 26.81	-0.163	17	0.31	48.552	16	33.7	24.16	16	33.7	G0	J	138	59	J -28 47
38		6.9T	11 48.808	-0.0051	18	-21 28 18.14	-0.230	16	0.86	49.055	17	01.4	6.70	17	00.2	F8		GC	263	-21 17
39		9.0R	11 51.017	-0.0079	20	-29 12 41.47	-0.073	20	0.36	51.146	16	33.7	40.28	16	33.7	K0	J	138	60	J -29 46
40		8.5R	11 53.866	-0.0015	20	-27 26 49.77	-0.053	20	0.36	53.890	16	33.7	48.92	16	33.7	G0	J	138	61	J -27 43
41		8.7R	12 7.869	0.0016	20	-26 9 44.15	0.053	20	0.36	7.843	16	33.7	45.02	16	33.7	F8	J	14	82	E -26 62
42		9.0R	12 13.935	0.0018	20	-28 8 27.83	0.012	20	0.36	13.906	16	33.7	28.03	16	33.7	K2	J	138	63	J -28 49
43		9.1R	12 15.711	0.0032	20	-29 15 10.47	-0.053	20	0.36	15.659	16	33.7	9.60	16	33.7	G0	J	138	64	J -29 47
44		9.2R	12 17.953	0.0067	20	-29 15 56.03	0.019	20	0.36	17.843	16	33.7	56.34	16	33.7	F5	J	138	65	J -29 48
45		8.6R	12 31.426	0.0096	20	-27 46 51.02	0.021	20	0.36	31.269	16	33.7	51.36	16	33.7	G5	J	138	68	J -28 51
46		8.6R	12 36.333	0.0013	20	-29 17 3.97	0.034	20	0.36	36.311	16	33.7	4.52	16	33.7	A3	J	138	69	J -29 50
47		9.6R	12 37.709	0.0009	18	-24 10 0.03	-0.013	18	0.33	37.694	16	33.7	-59.82	16	33.7	G0	J	14	83	E -24 61
48		8.4R	12 41.273	0.0001	15	-24 45 44.67	0.002	15	0.29	41.271	16	33.7	44.70	16	33.7	K0	J	14	84	E -25 67
49		9.4R	12 42.161	-0.0060	20	-25 26 0.77	-0.031	20	0.36	42.259	16	33.7	0.26	16	33.7	A2	J	14	85	E -25 68
50		7.6R	12 43.508	0.0009	18	-23 10 7.25	-0.023	18	0.33	43.494	16	33.7	6.88	16	33.7	K0	J	14	86	E -23 61
51		8.5R	0 13 2.224	0.0022	20	-24 37 25.60	-0.032	20	0.36	2.187	16	33.7	25.08	16	33.7	G0	J	14	87	E -25 70
52		9.1R	13 9.766	-0.0062	20	-26 43 10.02	-0.026	20	0.36	9.868	16	33.7	9.60	16	33.7	G0	J	14	88	E -27 51
53		9.0R	13 16.941	0.0026	20	-27 34 13.14	-0.005	20	0.36	16.898	16	33.7	13.07	16	33.7	K0	J	138	72	J -27 52
54		9.2R	13 18.335	0.0029	18	-24 24 2.94	0.049	18	0.33	18.287	16	33.7	3.73	16	33.7	G0	J	14	89	E -24 71
55		9.4R	13 18.645	0.0014	18	-22 48 44.16	0.024	18	0.33	18.623	16	33.7	44.55	16	33.7	G0	J	14	90	E -23 69
56		9.1A	13 24.079	0.0018	18	-20 41 39.33	-0.009	13	0.30	24.050	16	33.7	39.19	16	33.7	K2	J	13A	53	A -21 21
57		9.0R	13 27.360	0.0137	20	-22 41 55.38	-0.087	20	0.36	27.137	16	33.7	53.97	16	33.7	G5	J	14	91	E -23 70
58		9.3R	13 31.473	0.0050	20	-25 56 6.15	-0.025	20	0.36	31.392	16	33.7	5.75	16	33.7	F8	J	14	92	E -26 72
59		8.7R	13 39.585	-0.0132	12	-28 3 18.63	-0.058	12	0.25	39.801	16	33.7	17.69	16	33.7	G0	J	138	73	J -28 61
60		9.2R	13 44.532	0.0004	18	-22 51 19.67	-0.015	18	0.33	44.525	16	33.7	19.43	16	33.7	G0	J	14	94	E -23 72
61		9.1R	13 49.930	0.0005	20	-27 25 21.34	-0.027	20	0.36	49.921	16	33.7	20.91	16	33.7	K0	J	138	74	J -27 54
62		9.1R	13 51.433	-0.0028	20	-27 29 51.14	-0.056	20	0.36	51.478	16	33.7	50.24	16	33.7	G5	J	138	75	J -27 55
63		7.7R	13 51.460	0.0019	18	-22 51 54.96	-0.037	18	0.33	51.428	16	33.7	54.36	16	33.7	G5	J	14	95	E -23 74
64		9.2A	13 58.231	0.0028	18	-20 52 51.36	-0.006	15	0.31	58.185	16	33.7	51.26	16	33.7	G5	J	13A	56	A -21 23
65		9.2R	14 5.416	0.0016	15	-21 52 41.54	0.013	15	0.29	5.390	16	33.7	41.75	16	33.7	F8	J	14	96	E -22 60
66		8.8R	14 5.422	0.0010	18	-21 49 36.31	0.005	18	0.33	5.406	16	33.7	36.39	16	33.7	F8	J	14	97	E -22 61
67		6.5T	14 10.354	0.0007	14	-20 29 16.94	-0.010	16	0.81	10.318	22	98.3	16.43	22	99.2	B8		GC	324	-21 24
68		9.0R	14 22.159	0.0040	12	-29 0 24.24	-0.015	12	0.25	22.094	16	33.7	23.99	16	33.7	F8	J	138	78	J -29 55
69		9.0R	14 28.093	-0.0000	12	-28 19 48.94	-0.046	12	0.25	28.094	16	33.7	48.20	16	33.7	K0	J	138	79	J -28 65
70		9.5R	15 4.758	0.0029	20	-25 33 10.26	0.037	20	0.36	4.711	16	33.7	10.87	16	33.7	G0	J	14	101	E -25 84
71		8.0R	15 25.037	0.0000	20	-26 11 38.76	-0.005	20	0.36	25.037	16	33.7	38.69	16	33.7	G5	J	14	103	E -26 81
72		8.0R	15 30.461	-0.0003	15	-22 6 33.57	0.011	15	0.29	30.467	16	33.7	33.74	16	33.7	K0	J	14	104	E -22 71
73		9.0R	15 34.854	0.0029	17	-27 11 8.32	0.042	17	0.31	34.808	16	33.7	9.01	16	33.7	G0	J	138	85	J -27 71
74		6.7T	15 45.083	-0.0005	16	-21 24 57.45	0.005	14	0.77	45.107	19	01.2	57.71	19	00.0	A0		GC	367K	B*-21 31
75		9.1A	15 52.576	0.0015	18	-21 29 27.28	-0.023	13	0.30	52.551	16	33.7	26.91	16	33.7	F0	J	13A	67	A -22 42
76		8.6R	15 57.485	0.0048	12	-28 12 48.48	-0.016	12	0.25	57.406	16	33.7	48.22	16	33.7	K5	J	138	88	J -28 75
77		8.3R	16 0.813	0.0021	12	-28 13 46.17	-0.005	12	0.25	0.779	16	33.7	46.10	16	33.7	K2	J	138	89	J -28 77
78		9.1R	16 8.140	0.0026	15	-22 19 16.45	0.014	15	0.29	8.097	16	33.7	16.67	16	33.7	K0	J	14	105	E -22 77
79		9.2R	16 21.823	-0.0002	18	-23 34 0.35	0.017	18	0.33	21.827	16	33.7	0.61	16	33.7	F8	J	14	106	E -23 86
80		9.1R	16 23.370	0.0030	15	-23 26 31.05	-0.013	15	0.29	23.320	16	33.7	30.84	16	33.7	G5	J	14	107	E -23 87
81		9.3R	16 27.191	-0.0052	18	-26 34 17.46	-0.020	18	0.33	27.276	16	33.7	17.14	16	33.7	F8	J	14	108	E -26 87
82		8.5R	16 29.170	0.0033	20	-24 43 12.88	0.003	20	0.36	29.117	16	33.7	12.93	16	33.7	F5	J	14	109	E -25 91
83		9.0R	16 31.709	0.0030	18	-23 42 52.82	-0.023	18	0.33	31.660	16	33.7	52.44	16	33.7	K2	J	14	112	E -24 87
84		8.8R	16 34.811	0.0025	18	-23 11 25.20	-0.066	18	0.33	34.770	16	33.7	24.13	16	33.7	K0	J	14	113	E -23 91
85		9.1R	16 36.729	0.0041	12	-29 31 11.07	-0.015	12	0.25	36.662	16	33.7	10.82	16	33.7	G5	J	138	91	J -29 70
86		8.4R	16 37.689	0.0021	18	-24 31 49.67	0.003	18	0.33	37.655	16	33.7	49.72	16	33.7	G5	J	14	114	E -24 89
87		8.8R	16 43.923	0.0059	17	-28 46 1.15	0.063	17	0.31	43.827	16	33.7	2.17	16	33.7	G0	J	138	92	J -29 71
88		9.3R	16 46.812	-0.0025	21	-29 27 55.67	-0.119	21	0.37	46.853	16	33.7	53.73	16	33.7	F5	J	138	93	J -29 74
89		9.0A	16 51.411	0.0058	20	-20 24 9.31	0.045	15	0.33	51.317	16	33.7	10.04	16	33.7	G5	J	13A	70	A -20 41
90		7.5R	17 2.663	0.0002	18	-22 5 4.80	0.032	18	0.33	2.660	16	33.7	5.32	16	33.7	K0	J	14	115	E -22 84
91		8.6R	17 18.607	-0.0020	18	-22 40 5.52	-0.031	18	0.33	18.640	16	33.7	5.02	16	33.7	G0	J	14	117	E -23 95
92		9.0R	17 21.724	-0.0033	13	-27 56 4.43	-0.033	13	0.27	21.778	16	33.7	3.90	16	33.7	F8	J	138	95	J -28 89
93		7.5R	17 26.726	0.0021	12	-25 23 52.49	-0.123	12	0.25	26.692	16	33.7	50.49	16	33.7	K0	J	14	118	E -25 96
94		9.0R	17 41.635	0.0012	12	-28 30 23.84	-0.024	12	0.25	41.616	16	33.7	23.45	16	33.7	K0	J	138	96	J -28 90
95		9.4R	17 42.006	-0.0042	20	-26 12 50.36	0.012	20	0.36	42.075	16	33.7	50.56	16	33.7	F5	J	14	120	E -26 97
96		8.4R	17 48.702	-0.0011	15	-24 58 48.59	0.009	15	0.29	48.719	16	33.7	48.74	16	33.7	A0	J	14	121	E -25 99
97		9.1R	17 48.818	-0.0014	18	-23 57 37.64	0.016	18	0.33	48.840	16	33.7	37.90	16	33.7	G0	J	14	122	E -24 98
98		9.2R	18 1.251	-0.0038	15	-22 30 33.53	-0.024	15	0.29	1.312	16	33.7	33.14	16	33.7	G5	J	14	123	E -22 88
99		8.6R	18 9.833	0.0005	20	-26 34 33.62	-0.001	20	0.36	9.825	16	33.7	33.61	16	33.7	K0	J	14	124	E -26 151
00		8.0R	18 13.374	0.0015	20	-25 44 37.45	0.000	20	0.36	13.350	16	33.7	37.46	16	33.7	G5	J	14	125	E -26 152

166200

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ s	σ_μ .001"	δ_{1950} ° ′ ″	μ' ″	σ'_μ .001"	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ .01"	ep.	δ_2 ″	σ' .01"	ep.	SP.	SOURCE CAT.	STAR NUMBER	-20° 0H DM NUMBER
1		6.7T	0 18 17.265	-0.0006	11	-23 54 27.57	0.006	10	0.60	17.294	15	96.6	27.89	17	93.2	F0	GC	418	C -24 103
2		8.0A	18 20.684	-0.0004	20	-20 12 28.67	-0.080	15	0.33	20.691	16	33.7	27.37	16	33.7	F8 J	13A	76	A -20 48
3		9.1R	18 21.021	0.0004	18	-23 50 27.46	-0.013	18	0.33	21.014	16	33.7	27.24	16	33.7	G5 J	14	127	E -24 105
4		8.4T	18 24.033	-0.0071	12	-29 57 59.17	-0.097	12	0.68	24.403	18	97.9	53.98	18	96.5	G0	GC	421	C -30 91
5		8.5R	18 35.648	0.0093	12	-26 32 20.21	0.036	12	0.25	35.497	16	33.7	20.80	16	33.7	F5 J	14	129	E -26 104
6		9.2R	18 52.278	0.0026	17	-27 11 23.07	0.033	17	0.31	52.235	16	33.7	23.61	16	33.7	G5 J	13B	101	J -27 92
7		5.4T	19 0.611	0.0030	03	-29 15 28.37	-0.069	04	0.15	0.485	05	07.6	25.39	06	06.9	G5	GC	433	C*-29 86
8		8.5R	19 2.618	-0.0017	15	-25 21 10.16	0.031	15	0.29	2.646	16	33.7	10.66	16	33.7	K0 J	14	130	E -25 107
9		9.2R	19 12.133	-0.0048	17	-28 44 1.26	-0.015	17	0.31	12.210	16	33.7	1.02	16	33.7	G5 J	13B	103	J -29 89
10		5.2I	19 14.522	0.0049	09	-20 20 6.19	-0.001	09	0.39	14.327	12	10.1	6.14	12	08.4	M5	GC	437V	B*-20 50
11		8.1R	19 19.876	-0.0036	18	-22 55 10.09	-0.044	18	0.33	19.935	16	33.7	9.38	16	33.7	G0 J	14	132	E -23 110
12		9.0R	19 20.148	0.0021	18	-23 39 48.61	0.014	18	0.33	20.114	16	33.7	48.83	16	33.7	F8 J	14	133	E -24 108
13		7.7Q	19 20.750	0.0091	09	-23 17 1.10	-0.100	08	0.50	20.247	15	94.6	55.19	15	90.9	G0	GC	436K	C*-23 111
14		9.0R	19 29.593	-0.0043	20	-28 39 23.02	0.074	20	0.36	29.663	16	33.7	24.22	16	33.7	G5 J	13B	105	J -29 92
15		8.3R	19 32.302	0.0321	17	-26 59 14.45	0.082	17	0.31	31.778	16	33.7	15.79	16	33.7	G0 J	13B	106	J -27 98
16		8.7R	19 33.480	-0.0097	20	-25 13 8.55	-0.180	20	0.36	33.638	16	33.7	5.62	16	33.7	G5 J	14	136	E -25 112
17		9.1A	19 35.130	-0.0000	20	-20 27 57.13	-0.042	15	0.33	35.130	16	33.7	56.45	16	33.7	M0 J	13A	78	A -20 52
18		9.0R	19 35.248	-0.0018	18	-23 12 29.46	0.016	18	0.33	35.278	16	33.7	29.72	16	33.7	K0 J	14	137	E -23 115
19		8.9R	19 38.399	0.0070	17	-27 40 38.43	0.028	17	0.31	38.284	16	33.7	38.90	16	33.7	G0 J	13B	107	J -28 102
20		8.4R	19 42.884	0.0048	20	-25 29 31.18	0.030	20	0.36	42.806	16	33.7	31.66	16	33.7	F2 J	14	138	E -25 114
21		9.4R	19 47.882	-0.0014	20	-24 24 10.27	-0.060	20	0.36	47.905	16	33.7	9.28	16	33.7	G5 J	14	139	E -24 110
22		7.6R	19 48.965	0.0016	18	-24 7 3.94	-0.027	18	0.33	48.939	16	33.7	3.49	16	33.7	K0 J	14	140	E -24 112
23		7.9R	19 52.162	0.0191	15	-27 18 17.45	-0.533	15	0.29	51.850	16	33.7	8.76	16	33.7	G5 J	13B	108	J -27 101
24		9.4R	19 53.509	0.0012	18	-23 17 57.00	-0.026	18	0.33	53.489	16	33.7	56.58	16	33.7	K2 J	14	141	E -23 119
25		8.5R	19 54.615	0.0003	18	-24 32 34.25	-0.009	18	0.33	54.610	16	33.7	34.10	16	33.7	M2 J	14	142	E -24 113
26		8.3R	19 55.124	0.0026	20	-25 15 52.97	0.002	20	0.36	55.083	16	33.7	53.00	16	33.7	G5 J	14	143	E -25 117
27		9.5R	20 9.755	0.0000	18	-22 12 16.22	0.006	18	0.33	9.755	16	33.7	16.31	16	33.7	F5 J	14	145	E -22 99
28		9.2R	20 18.098	0.0011	18	-24 12 41.68	-0.001	18	0.33	18.080	16	33.7	41.66	16	33.7	K0 J	14	146	E -24 115
29		9.0R	20 34.429	0.0001	18	-23 20 31.20	0.014	18	0.33	34.428	16	33.7	31.43	16	33.7	G5 J	14	147	E -23 123
30		9.2R	20 35.703	-0.0028	18	-23 8 36.45	-0.018	18	0.33	35.749	16	33.7	36.16	16	33.7	F8 J	14	148	E -23 124
31		9.6R	20 44.731	0.0003	00	-26 26 21.19	-0.060	20	0.27	44.726	16	33.7	20.22	16	33.7	F2 J	14	149	E -26 116
32		9.2A	20 56.410	0.0074	15	-20 58 25.74	-0.014	11	0.26	56.289	16	33.7	25.51	16	33.7	G5 J	13A	83	A -21 43
33		9.0R	21 6.906	0.0172	20	-24 55 38.27	0.172	20	0.36	6.625	16	33.7	41.07	16	33.7	G0 J	14	150	E -25 123
34		8.6R	21 7.244	0.0077	12	-29 45 46.49	0.057	12	0.25	7.119	16	33.7	47.42	16	33.7	G0 J	13B	112	J -30 104
35		9.0R	21 7.369	-0.0020	17	-29 39 6.47	0.007	17	0.31	7.402	16	33.7	6.58	16	33.7	K5 J	13B	113	J -30 105
36		8.4R	21 8.603	0.0038	12	-28 56 22.52	-0.028	12	0.25	8.541	16	33.7	22.07	16	33.7	K0 J	13B	114	J -29 102
37		9.4R	21 14.692	-0.0041	17	-22 55 55.20	-0.018	17	0.31	14.758	16	33.7	54.91	16	33.7	G0 J	14	151	E -23 131
38		8.8R	21 28.669	0.0017	17	-27 41 24.42	-0.010	17	0.31	28.642	16	33.7	24.59	16	33.7	F5 J	13B	116	J -28 111
39		7.7R	21 42.413	0.0012	15	-23 40 47.95	-0.019	15	0.29	42.394	16	33.7	47.64	16	33.7	G5 J	14	154	E -24 122
40		8.1R	21 48.560	0.0022	12	-29 15 28.02	0.013	12	0.25	48.525	16	33.7	28.23	16	33.7	A0 J	13B	117	J -29 106
41		8.9R	21 50.317	0.0221	20	-25 7 21.63	-0.202	20	0.36	49.958	16	33.7	18.34	16	33.7	K2 J	14	155	E -25 126
42		7.8T	21 53.140	0.0505	17	-27 18 17.80	0.090	15	0.80	50.720	18	02.1	22.23	18	00.9	G5	GC	479	C*-27 108
43		8.1R	21 59.392	-0.0019	17	-27 11 38.37	-0.037	17	0.31	59.422	16	33.7	37.77	16	33.7	A2 J	13B	119	J -27 110
44		8.7R	22 1.252	0.0006	17	-28 41 32.66	-0.052	20	0.34	1.242	16	33.7	33.51	16	33.7	G0 J	13B	120	J -29 109
45		8.5R	22 3.376	-0.0014	20	-25 0 55.77	-0.022	20	0.36	3.399	16	33.7	55.41	16	33.7	F8 J	14	157	E -25 127
46		9.2R	22 3.947	0.0086	17	-24 48 7.21	0.038	17	0.31	3.806	16	33.7	7.83	16	33.7	G0 J	14	158	E -25 128
47		9.0A	22 15.127	-0.0004	15	-20 7 39.72	-0.026	11	0.26	15.132	16	33.7	39.30	16	33.7	G0 J	13A	85	A -20 56
48		8.0R	22 15.206	0.0012	15	-24 33 46.52	0.020	15	0.29	15.186	16	33.7	46.84	16	33.7	F0 J	14	159	E -24 127
49	10.7	10.5W	22 15.819	0.0000	21	-29 55 42.90	0.029	21	0.42	15.818	22	32.9	43.40	21	32.9	F8 J	C7	137	C -30 110
50		8.3R	22 17.687	-0.0049	18	-23 43 49.57	-0.039	18	0.33	17.766	16	33.7	48.92	16	33.7	F0 J	14	160	E -24 128
51		9.1R	0 22 20.338	-0.0000	13	-27 59 8.21	0.046	13	0.27	20.338	16	33.7	8.97	16	33.7	G5 J	13B	122	J -28 114
52		9.4R	22 22.678	-0.0022	18	-23 43 51.20	-0.034	18	0.34	22.714	16	33.7	50.63	16	33.7	F8 J	14	161	E -24 131
53		8.7A	22 24.914	-0.0004	18	-20 13 14.03	-0.002	15	0.31	24.921	16	33.7	14.00	16	33.7	F0 J	13A	88	A -20 57
54		9.0R	22 26.257	-0.0031	20	-26 41 41.70	0.024	20	0.36	26.308	16	33.7	42.10	16	33.7	G0 J	14	162	E -27 112
55		9.5R	22 44.801	0.0038	20	-23 42 36.83	-0.024	20	0.36	44.739	16	33.7	36.43	16	33.7	G5 J	14	163	E -24 135
56		8.5R	23 1.548	-0.0003	18	-25 14 55.94	-0.051	18	0.34	1.553	16	33.7	55.11	16	33.7	G0 J	14	164	E -25 134
57		8.7R	23 3.919	0.0006	12	-29 25 7.08	-0.020	12	0.25	3.910	16	33.7	6.75	16	33.7	K2 J	13B	125	J -29 113
58		9.3R	23 5.159	-0.0031	15	-22 18 37.65	-0.018	15	0.29	5.211	16	33.7	37.35	16	33.7	K0 J	14	166	E -22 122
59		8.0A	23 5.580	-0.0010	15	-20 12 37.17	-0.050	11	0.26	5.596	16	33.7	36.36	16	33.7	F5 J	13A	91	A -20 59
60		7.3T	23 11.456	0.0005	11	-21 54 30.57	-0.001	11	0.61	11.427	17	96.3	30.49	17	94.6	A0	GC	504	-22 65
61		9.5R	23 14.354	-0.0009	18	-23 45 24.30	-0.035	18	0.34	14.368	16	33.7	23.72	16	33.7	F8 J	14	168	E -24 141
62		7.0T	23 15.410	0.0025	12	-27 59 12.94	-0.052	11	0.62	15.281	18	97.5	10.16	17	96.2	K0	GC	507	C*-28 118
63		9.2R	23 17.428	0.0006	12	-29 41 0.75	0.035	12	0.25	17.419	16	33.7	1.32	16	33.7	F5 J	13B	127	J -30 114
64		8.2R	23 28.006	0.0100	20	-28 33 0.83	-0.006	20	0.36	27.842	16	33.7	0.74	16	33.7	G5 J	13B	132	J -28 121
65		9.0R	23 37.363	-0.0009	20	-25 0 59.39	-0.012	20	0.36	37.378	16	33.7	59.19	16	33.7	F2 J	14	170	E -25 140
66		9.3R	23 40.479	0.0008	18	-21 49 31.24	-0.024	18	0.34	40.466	16	33.7	30.84	16	33.7	G0 J	14	171	E -22 127
67		7.5T	23 45.155	0.0017	13	-21 56 58.75	-0.013	12	0.68	45.065	18	98.3	58.02	17	96.0	G5	GC	517	-22 70
68		9.3R	23 47.025	-0.0009	20	-26 33 26.14	-0.013	20	0.36	47.040	16	33.7	25.93	16	33.7	G0 J	14	173	E -26 130
69		8.8R	24 0.359	-0.0031	15	-22 43 32.04	-0.011	15	0.29	0.410	16	33.7	31.86	16	33.7	G5 J	14	174	E -23 152
70		8.2R	24 0.511	-0.0055	12	-28 41 21.16	-0.044	12	0.25	0.601	16	33.7	20.45	16	33.7	K0 J	13B	134	J -29 118
71		9.2A	24 1.153	-0.0009	18	-20 5 33.76	-0.070	13	0.30	1.168	16	33.7	32.62	16	33.7	G0 J	13A	97	A -20 60
72		9.3R	24 13.791	-0.0001	20	-27 0 0.14	0.013	20	0.36	13.792	16	33.7	0.36	16	33.7	G5 J	13B	135	J -27 121
73		9.6R	24 16.873	-0.0086	18	-23 13 34.69	-0.015	18	0.34	17.014	16	33.7	34.45	16	33.7	G0 J	14	175	E -23 156
74		8.9R	24 20.438	0.0036	18	-25 59 44.49	0.010	18	0.34	20.380	16	33.7	44.66	16	33.7	G5 J	14	176	E -26 133
75		8.7A	24 22.181	0.0010	18	-20 56 28.36	-0.001	13	0.30	22.165	16	33.7	28.35	16	33.7	F0 J	13A	99	A -21 51
76		9.1R	24 25.135	-0.0082	15	-26 4 49.87	-0.003	15	0.29	25.268	16	33.7	49.83	16	33.7	F5 J	14	177	E -26 135
77		8.1R	24 27.924	0.0014	18	-23 34 8.18	0.065	18	0.34	27.901	16	33.7	9.23	16	33.7	F5 J	14	178	E -23 157
78		8.8A	24 33.293	-0.0037	18	-20 47 22.85	-0.051	15	0.31	33.353	16	33.7	22.03	16	33.7	F2 J	13A	100	A -21 52
79		9.3R	24 35.430	-0.0021	20	-25 58 35.90	0.030	20	0.36	35.464	16	33.7	36.39	16	33.7	G0 J	14	180	E -26 136
80		8.8R	24 37.484	0.0036	12	-29 34 29.93	-0.029	12	0.25	37.426	16	33.7	29.46	16	33.7	G0 J	13B	136	J -29 122
81	9.4	8.7W	24 44.002	-0.0004	21	-29 51 29.62	0.028	21	0.42	44.008	22	32.9	30.10	21	32.9	K0	C7	150	C -30 124
82		6.0T	24 44.423	0.0020	13	-25 49 25.05	-0.013	12	0.69	44.319	17	98.3	24.36	17	95.8	G5	GC	530	C -26 138
83		8.7R	24 45.249	-0.0038	15	-23 0 37.33	-0.030	15	0.29	45.310	16	33.7	36.84	16	33.7	F2 J	14	182	E -23 159
84		6.9T	24 52.515	-0.0033	16	-28 31 11.38	-0.002	13	0.76	52.678	18	01.1	11.28	18	97.7	G5	GC	532	C -28 130
85		6.7T	25 6.436	0.0042	11	-20 24 40.81	0.004	12	0.59	6.237	18	02.6	41.00	19	01.7	A2	GC	536	-20 67
86		8.1R	25 21.007	0.0000	20	-25 33 30.08	0.050	20	0.36	21.007	16	33.7	30.90	16	33.7	K2 J	14	183	E -25 150
87		9.4R	25 23.439	-0.0025	18	-24 28 57.24	-0.078	18	0.34	23.480	16	33.7	55.96	16	33.7	G5 J	14	185	E -24 156
88		7.9R	25 23.488	0.0058	12	-25 7 31.34	0.021	12	0.25	23.394	16	33.7	31.68	16	33.7	F8 J	14	184	E -25 151
89		8.7R	25 24.686	-0.0007	20	-29 43 45.32	0.023	20	0.36	24.698	16	33.7	45.69	16	33.7	K5 J	13B	142	J -30 128
90		9.0R	25 26.600	0.0003	20	-28 14 51.22	0.001	20	0.36	26.595	16	33.7	51.25	16	33.7	G5 J	13B	143	J -28 132
91		9.0R	25 30.585	0.0028	18	-24 15 24.60	0.045	18	0.34	30.539	16	33.7	25.33	16	33.7	G5 J	14	186	E -24 157
92		8.7R	25 33.555	-0.0039	12	-25 28 15.65	-0.058	12	0.25	33.618	16	33.7	14.70	16	33.7	F8 J	14	187	E -25 153
93		8.9A	25 33.682	0.0014	18	-21 34 13.12	0.004	13	0.30	33.660	16	33.7	13.18	16	33.7	K0 J	13A	105	A -22 74
94		9.2R	25 38.267	-0.0003	18	-22 53 50.20	-0.005	18	0.34	38.272	16	33.7	50.12	16	33.7	G5 J	14	188	E -23 164
95		6.8T	25 44.859	-0.0042	14	-29 18 59.39	-0.025	12	0.71	45.076	18	98.6	58.02	17	94.9	G5	GC	551	C -29 125
96		6.4T	25 50.714	-0.0082	05	-20 36 35.40	-0.105	06	0.26	51.100	07	02.9	30.61	07	04.2	G0	GC	554	-21 57
97		8.0R	25 52.401	0.0014	18	-23 7 52.66	-0.011	18	0.34	52.379	16	33.7	52.48	16	33.7	K0 J	14	189	E -23 165
98		9.3R	25 52.563	-0.0006	20	-26 38 9.26	0.007	20	0.36	52.572	16	33.7	9.38	16	33.7	K0 J	14	190	E -27 130
99		7.2T	25 57.030	0.0040	14	-29 33 37.92	-0.031	13	0.73	56.828	19	99.6	36.29	18	97.6	F5	GC	557	C -29 126
00		9.0R	26 7.067	0.0018	20	-29 21 12.30	-0.012	20	0.36	7.038	16	33.7	12.10	16	33.7	M0 J	13B	149	J -29 127

166300

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	-20° 0H DM NUMBER
1		9.5R	0 26 12.390	0.0026	18	-24 21 17.22	-0.072	18	0.34	12.347	16	33.7	16.04	16	33.7	F8 J	14	191	E -24 166
2		8.4R	26 14.354	-0.0018	20	-29 10 31.77	0.013	20	0.36	14.383	16	33.7	31.98	16	33.7	G5 J	13B	151	J -29 128
3		7.1T	26 20.640	0.0010	13	-24 54 47.34	0.010	12	0.68	20.589	18	98.4	47.87	16	96.0	A5	GC	567	C -25 155
4		9.0R	26 27.009	0.0053	18	-24 10 3.66	0.041	18	0.34	26.923	16	33.7	4.32	16	33.7	G0 J	14	193	E -24 168
5		8.7R	26 33.100	0.0129	20	-27 40 6.36	0.049	20	0.36	32.889	16	33.7	7.17	16	33.7	K0 J	13B	153	J -28 141
6		7.5R	26 37.740	0.0006	20	-27 17 11.01	-0.020	20	0.36	37.730	16	33.7	10.69	16	33.7	G5 J	13B	155	J -27 132
7		9.2R	26 43.330	0.0012	20	-29 47 11.26	0.075	20	0.36	43.311	16	33.7	12.48	16	33.7	F5 J	13B	157	J -30 137
8		9.6R	26 44.208	-0.0106	18	-25 12 19.39	-0.116	18	0.34	44.382	16	33.7	17.50	16	33.7	G0 J	14	194	E -25 162
9		9.4R	27 5.385	-0.0015	18	-23 27 40.81	0.005	18	0.34	5.409	16	33.7	40.89	16	33.7	A2 J	14	195	E -23 173
10		9.0R	27 27.655	0.0046	20	-27 31 16.80	-0.008	20	0.36	27.580	16	33.7	16.68	16	33.7	G0 J	13B	161	J -27 140
11		8.5R	27 38.876	0.0022	15	-22 46 53.86	-0.030	15	0.29	38.841	16	33.7	53.37	16	33.7	K0 J	14	196	E -23 177
12		9.2R	27 39.582	0.0029	15	-24 52 43.32	0.013	15	0.29	39.535	16	33.7	43.53	16	33.7	F5 J	14	198	E -25 166
13		8.4R	27 39.969	0.0033	18	-21 44 19.51	0.028	18	0.34	39.915	16	33.7	19.96	16	33.7	K0 J	14	197	E -22 143
14		9.3P	27 40.010	-0.0023	15	-24 27 6.33	-0.006	15	0.29	40.047	16	33.7	6.22	16	33.7	K0 J	14	199	E -24 175
15		9.3R	27 49.969	-0.0050	20	-28 43 59.24	-0.040	20	0.36	50.050	16	33.7	58.58	16	33.7	F8 J	13B	163	J -29 134
16		8.9A	27 50.981	0.0001	15	-20 7 35.52	0.003	11	0.26	50.980	16	33.7	35.57	16	33.7	K0 J	13A	115	A -20 81
17		9.1R	27 51.418	0.0016	17	-26 21 5.49	0.046	17	0.31	51.391	16	33.7	6.25	16	33.7	K0 J	14	200	E -26 150
18		5.2H	27 52.751	-0.0018	02	-24 3 50.60	0.019	02	0.08	52.811	03	16.1	51.23	04	16.1	A3	F4	14	C -24 179
19		9.0R	27 54.666	-0.0007	20	-29 4 43.19	-0.027	20	0.36	54.676	16	33.7	42.75	16	33.7	K7 J	13B	164	J -29 135
20		9.2R	27 58.106	0.0027	20	-28 39 8.34	0.001	20	0.36	58.062	16	33.7	8.36	16	33.7	K0 J	13B	165	J -29 136
21		9.3R	28 2.010	-0.0020	18	-23 39 47.46	-0.046	18	0.34	2.044	16	33.7	46.70	16	33.7	G5 J	14	203	E -24 182
22		8.7R	28 8.969	-0.0002	20	-28 48 43.49	0.001	20	0.36	8.965	16	33.7	43.51	16	33.7	K0 J	13B	167	J -29 137
23		8.3R	28 9.203	-0.0008	20	-28 12 41.17	0.033	20	0.36	9.216	16	33.7	41.72	16	33.7	G5 J	13B	168	J -28 144
24		9.2R	28 19.872	-0.0001	15	-22 58 35.07	-0.036	15	0.29	19.875	16	33.7	34.48	16	33.7	K0 J	14	204	E -23 183
25		9.5R	28 31.323	-0.0053	21	-26 27 8.66	-0.069	21	0.37	31.409	16	33.7	7.54	16	33.7	G5 J	14	206	E -26 154
26		9.4R	28 34.698	-0.0014	18	-23 45 48.73	0.007	18	0.34	34.721	16	33.7	48.83	16	33.7	G0 J	14	207	E -24 183
27		8.1R	28 41.545	0.0016	15	-21 37 37.93	-0.033	15	0.29	41.519	16	33.7	37.39	16	33.7	F2 J	14	208	E -22 149
28		9.4R	28 50.950	0.0037	18	-23 28 13.46	0.011	18	0.34	50.890	16	33.7	13.64	16	33.7	F5 J	14	209	E -23 185
29		8.0R	28 59.011	-0.0016	20	-25 21 42.99	-0.037	20	0.36	59.038	16	33.7	42.38	16	33.7	K2 J	14	210	E -25 178
30		9.0R	29 0.192	0.0022	17	-26 30 56.39	0.016	17	0.31	0.156	16	33.7	58.66	16	33.7	K2 J	14	211	E -26 156
31	10.9	10.0W	29 3.525	0.0039	21	-29 51 0.71	0.017	21	0.42	3.458	22	32.9	0.99	21	32.9		C7	191	C -30 146
32		9.0R	29 5.189	0.0042	15	-26 18 2.42	-0.143	15	0.29	5.120	16	33.7	0.08	16	33.7	G0 J	14	212	E -26 157
33		9.3R	29 14.748	-0.0068	18	-22 56 50.44	0.003	18	0.34	14.859	16	33.7	50.49	16	33.7	F8 J	14	215	E -23 188
34		9.6R	29 19.201	-0.0013	18	-23 47 59.32	-0.032	18	0.34	19.223	16	33.7	58.79	16	33.7	F0 J	14	216	E -24 186
35		9.0R	29 21.412	0.0152	12	-28 6 16.26	0.017	12	0.25	21.164	16	33.7	16.55	16	33.7	G5 J	13B	175	J -28 148
36		8.8R	29 23.250	-0.0040	15	-25 59 12.79	-0.021	15	0.29	23.315	16	33.7	12.45	16	33.7	F8 J	14	217	E -26 159
37		8.5R	29 41.212	-0.0003	18	-24 24 31.70	-0.034	18	0.34	41.217	16	33.7	31.13	16	33.7	K2 J	14	218	E -24 191
38		9.0R	29 44.805	0.0035	12	-27 4 17.57	-0.015	12	0.25	44.749	16	33.7	17.33	16	33.7	F8 J	13B	176	J -27 148
39		7.3T	29 52.053	0.0092	12	-24 55 21.71	-0.000	12	0.68	51.580	18	98.5	21.70	18	97.1	F2	GC	637	C -25 185
40		9.1R	29 55.620	0.0028	17	-25 9 6.88	0.022	17	0.31	55.575	16	33.7	7.24	16	33.7	F2 J	14	220	E -25 186
41		9.5R	29 56.139	0.0036	18	-24 8 44.58	-0.003	18	0.34	56.079	16	33.7	44.53	16	33.7	F8 J	14	221	E -24 193
42		8.2R	30 4.793	0.0002	12	-29 1 30.45	-0.036	12	0.25	4.790	16	33.7	29.86	16	33.7	K0 J	13B	179	J -29 146
43		8.8R	30 8.028	-0.0040	20	-28 15 30.06	0.007	20	0.36	8.093	16	33.7	30.16	16	33.7	G5 J	13B	180	J -28 150
44		6.9T	30 10.010	0.0001	07	-25 38 4.91	-0.042	06	0.31	10.007	09	06.0	3.04	09	05.9	K0	GC	646K	C -26 160
45		9.1A	30 13.089	0.0030	18	-20 5 5.72	0.027	13	0.30	13.041	16	33.7	6.16	16	33.7	G0 J	13A	122	A -20 84
46		9.1R	30 13.965	-0.0002	18	-22 43 1.06	-0.032	18	0.34	13.988	16	33.7	0.54	16	33.7	K0 J	14	223	E -23 192
47		8.5R	30 16.857	0.0026	18	-24 35 6.34	0.007	18	0.34	16.815	16	33.7	6.45	16	33.7	G0 J	14	224	E -24 196
48		9.4R	30 18.528	-0.0001	18	-22 28 45.57	-0.054	18	0.34	18.530	16	33.7	44.68	16	33.7	K2 J	14	225	E -22 159
49		9.2R	30 18.823	0.0026	12	-28 30 56.28	0.003	12	0.25	18.781	16	33.7	56.33	16	33.7	K0 J	13B	181	J -28 151
50		9.1R	30 19.088	0.0024	18	-22 22 13.45	-0.015	18	0.34	19.048	16	33.7	13.20	16	33.7	F0 J	14	226	E -22 160
51		9.4R	0 30 23.228	-0.0044	21	-22 58 8.14	0.025	21	0.37	23.300	16	33.7	8.54	16	33.7	G0 J	14	227	E -23 195
52		9.2R	30 25.018	0.0015	18	-24 11 20.17	-0.021	18	0.34	24.993	16	33.7	19.82	16	33.7	K5 J	14	228	E -24 198
53		8.9R	30 26.363	0.0030	20	-24 52 39.97	0.002	20	0.36	26.314	16	33.7	40.00	16	33.7	F8 J	14	229	E -25 190
54		8.8R	30 34.274	-0.0103	20	-29 20 56.98	-0.062	20	0.36	34.442	16	33.7	55.97	16	33.7	G5 J	13B	182	J -29 149
55		9.0R	30 36.080	0.0049	20	-26 3 11.79	0.010	20	0.36	36.001	16	33.7	11.95	16	33.7	G0 J	14	230	E -26 161
56		9.3R	30 41.226	-0.0067	20	-24 28 20.42	-0.075	20	0.36	41.335	16	33.7	19.19	16	33.7	K0 J	14	231	E -24 201
57		8.6R	30 44.683	0.0021	20	-28 39 4.27	0.026	20	0.36	44.649	16	33.7	4.70	16	33.7	G5 J	13B	183	J -29 151
58		8.5R	30 46.856	0.0029	18	-22 7 45.34	-0.058	18	0.34	46.809	16	33.7	44.38	16	33.7	F5 J	14	232	E -22 164
59		9.3R	30 47.373	-0.0042	20	-24 34 0.61	0.018	15	0.33	47.441	16	33.7	0.91	16	33.7	F5 J	14	233	E -24 202
60		9.4R	31 1.355	0.0025	20	-22 24 1.80	0.024	20	0.36	1.314	16	33.7	2.18	16	33.7	G5 J	14	234	E -22 166
61		9.4R	31 5.679	-0.0012	15	-22 2 18.64	-0.034	15	0.29	5.698	16	33.7	18.08	16	33.7	K0 J	14	235	E -22 167
62		7.5T	31 7.291	0.0002	12	-26 22 4.48	-0.030	12	0.62	7.282	17	00.7	2.99	17	00.9	K0	GC	660K	C -26 164
63		9.4R	31 7.958	0.0053	20	-21 37 41.44	-0.084	20	0.36	7.871	16	33.7	40.06	16	33.7	G5 J	14	236	E -22 168
64		9.2R	31 8.027	-0.0008	20	-28 36 18.95	0.018	20	0.36	8.041	16	33.7	19.25	16	33.7	G0 J	13B	185	J -29 155
65		9.7T	31 8.465	0.0004	26	-26 21 51.90	0.017	26	1.15	8.448	21	05.1	52.63	22	06.3		GC	661K	C -26 164
66		8.7R	31 11.343	0.0057	18	-23 40 18.95	-0.000	18	0.34	11.249	16	33.7	18.94	16	33.7	F0 J	14	238	E -24 205
67		5.6H	31 12.777	-0.0019	02	-29 50 1.08	-0.029	02	0.09	12.835	04	19.5	0.06	05	15.5	K0	F4	1013	C -30 156
68		9.1R	31 16.854	-0.0018	18	-24 4 21.98	0.018	18	0.34	16.882	16	33.7	22.27	16	33.7	K0 J	14	239	E -24 208
69		9.2R	31 24.331	0.0159	17	-27 53 23.67	0.046	17	0.31	24.071	16	33.7	24.43	16	33.7	G0 J	13B	187	J -28 154
70		9.6R	31 37.955	-0.0026	15	-25 10 37.92	-0.019	15	0.29	37.998	16	33.7	37.61	16	33.7	F5 J	14	240	E -25 198
71		9.4R	31 51.453	0.0006	20	-23 37 6.90	-0.056	20	0.36	51.443	16	33.7	5.98	16	33.7	F8 J	14	241	E -24 213
72		8.5R	32 1.919	0.0044	17	-29 8 6.17	-0.013	17	0.31	1.847	16	33.7	5.96	16	33.7	G5 J	13B	190	J -29 160
73		8.8R	32 13.197	-0.0009	12	-28 19 14.10	0.024	12	0.25	13.212	16	33.7	14.48	16	33.7	K0 J	13B	191	J -28 158
74		9.5R	32 16.682	-0.0013	15	-24 48 11.95	-0.000	15	0.29	16.703	16	33.7	11.94	16	33.7	G5 J	14	243	E -25 204
75		8.9R	32 20.658	0.0033	18	-22 9 25.76	-0.039	18	0.34	20.603	16	33.7	25.11	16	33.7	G0 J	14	244	E -22 172
76		9.1R	32 26.516	0.0005	20	-26 16 23.72	-0.005	20	0.36	26.508	16	33.7	23.63	16	33.7	K7 J	14	245	E -26 169
77		9.0R	32 28.954	0.0141	15	-24 41 40.70	0.032	15	0.29	28.724	16	33.7	41.22	16	33.7	F5 J	14	246	E -25 205
78		9.5R	32 29.940	0.0012	18	-21 43 36.19	0.028	18	0.34	29.920	16	33.7	36.64	16	33.7	F2 J	14	247	E -22 174
79		8.4R	32 31.023	-0.0000	18	-23 45 31.16	0.024	18	0.34	31.023	16	33.7	31.54	16	33.7	F0 J	14	248	E -24 219
80		8.9R	32 32.805	-0.0021	18	-27 1 14.54	-0.112	18	0.34	32.840	16	33.7	12.71	16	33.7	G0 J	13B	192	J -27 166
81		7.7T	32 33.149	0.0007	12	-26 24 3.92	-0.006	12	0.68	33.113	18	97.2	3.58	18	95.9	G5	GC	693	C -26 171
82		9.2A	32 38.556	0.0029	20	-20 36 9.46	0.004	15	0.33	38.509	16	33.7	9.53	16	33.7	G5 J	13A	132	A -21 69
83		9.5R	32 45.451	0.0045	12	-27 49 12.34	0.001	12	0.25	45.377	16	33.7	12.36	16	33.7	F5 J	13B	193	J -28 163
84		8.5R	32 47.659	-0.0012	17	-29 29 3.11	-0.079	17	0.31	47.679	16	33.7	1.82	16	33.7	G0 J	13B	194	J -29 164
85		8.7R	32 54.507	0.0061	18	-22 1 11.58	-0.020	18	0.34	54.408	16	33.7	11.24	16	33.7	K0 J	14	250	E -22 177
86		7.9R	32 55.891	0.0027	15	-25 8 21.97	0.010	15	0.29	55.847	16	33.7	22.14	16	33.7	K0 J	14	251	E -25 207
87		8.0R	33 3.895	-0.0023	20	-25 40 28.73	-0.015	20	0.36	3.933	16	33.7	28.48	16	33.7	A3 J	14	252	E -26 173
88		8.2R	33 9.478	0.0029	15	-27 7 53.59	0.042	15	0.29	9.430	16	33.7	54.28	16	33.7	F0 J	13B	195	J -27 169
89		9.4R	33 11.289	-0.0012	15	-24 41 40.31	0.030	15	0.29	11.308	16	33.7	40.80	16	33.7	F2 J	14	253	E -25 210
90		9.2R	33 12.159	-0.0000	13	-28 45 55.31	0.000	13	0.27	12.150	16	33.7	55.31	16	33.7	K0 J	13B	196	J -29 165
91		9.1R	33 14.630	0.0033	12	-25 30 34.01	0.055	12	0.25	14.576	16	33.7	34.90	16	33.7	F5 J	14	254	E -25 211
92		9.4R	33 17.704	0.0002	18	-24 2 38.24	0.008	18	0.34	17.704	16	33.7	38.36	16	33.7	G5 J	14	255	E -24 223
93		8.1R	33 20.929	0.0009	15	-25 9 11.16	0.018	15	0.29	20.914	16	33.7	11.46	16	33.7	M3 J	14	256	E -25 212
94		9.3R	33 22.944	0.0036	20	-21 53 38.93	-0.099	20	0.36	22.885	16	33.7	37.30	16	33.7	F5 J	14	257	E -22 181
95		9.3R	33 26.903	0.0011	18	-24 4 37.08	-0.024	18	0.34	26.885	16	33.7	36.68	16	33.7	A3 J	14	258	E -24 224
96		9.3R	33 29.045	0.0012	18	-22 28 50.11	-0.025	18	0.34	29.024	16	33.7	49.69	16	33.7	K0 J	14	259	E -22 183
97		8.5R	33 32.299	0.0022	15	-24 53 37.39	-0.001	15	0.29	32.263	16	33.7	37.38	16	33.7	G5 J	14	260	E -25 213
98		9.0R	33 32.305	0.0055	20	-28 32 36.63	0.000	20	0.36	32.216	16	33.7	36.63	16	33.7	F8 J	13B	198	J -28 167
99		8.0A	33 37.362	0.0072	18	-21 2 2.71	0.018	15	0.31	37.245	16	33.7	3.01	16	33.7	F0 J	13A	138	A -21 75
00		6.1T	33 37.634	-0.0057	09	-23 7 0.35	-0.038	10	0.57	37.965	15	92.0	-58.15	15	92.0	A3	GC	719	C -23 220

166400

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	EPOCH 1950 μ s	EPOCH 1950 σ_μ ″.001	EPOCH 1950 δ_{1950} ° ′ ″	EPOCH 1950 μ' ″	EPOCH 1950 $\sigma_{\mu'}$ ″.001	EPOCH 1950 σ_{1950} ″	ORIGINAL EPOCH α_2 s	ORIGINAL EPOCH σ ″.01	ORIGINAL EPOCH ep.	ORIGINAL EPOCH δ_2 ″	ORIGINAL EPOCH σ' ″.01	ORIGINAL EPOCH ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER
1		8.9R	0 33 42.508	0.0008	18	-21 40 26.71	-0.045	18	0.34	42.494	16	33.7	25.96	16	33.7	G5 J	14	263
2		8.0R	33 43.576	0.0011	17	-27 2 8.04	0.005	17	0.31	43.557	16	33.7	8.12	16	33.7	F0 J	13B	200
3		9.3R	33 45.131	0.0000	18	-22 0 59.49	-0.026	18	0.34	45.130	16	33.7	59.06	16	33.7	G5 J	14	264
4		8.9R	33 57.076	0.0007	20	-26 51 1.71	0.041	20	0.36	57.065	16	33.7	2.39	16	33.7	G0 J	13B	202
5		9.1R	33 59.068	0.0085	17	-29 33 29.18	-0.020	17	0.31	58.928	16	33.7	28.86	16	33.7	G5 J	13B	203
6		9.4R	33 59.099	-0.0014	20	-25 56 55.09	0.055	20	0.36	59.121	16	33.7	55.99	16	33.7	A7 J	14	265
7		9.3R	34 0.989	-0.0046	20	-27 7 18.88	-0.014	20	0.36	1.064	16	33.7	18.66	16	33.7	F8 J	13B	204
8		8.7R	34 6.569	-0.0009	17	-25 28 35.85	0.023	17	0.31	6.583	16	33.7	36.23	16	33.7	K0 J	14	266
9		8.0R	34 12.257	0.0008	04	-27 33 2.81	-0.027	20	0.28	12.243	16	33.7	2.37	16	33.7	G0P J	13B	207
10		7.5R	34 14.629	-0.0011	20	-27 41 40.11	0.029	20	0.36	14.647	16	33.7	40.59	16	33.7	F2 J	13B	209
11		8.2R	34 17.776	-0.0009	12	-24 46 30.65	-0.050	12	0.25	17.791	16	33.7	29.82	16	33.7	G0 J	14	267
12		9.1R	34 18.692	0.0018	20	-29 46 52.84	0.001	20	0.36	18.663	16	33.7	52.86	16	33.7	K0 J	13B	211
13		8.2R	34 22.109	0.0025	12	-24 46 6.24	-0.220	17	0.28	22.068	16	33.7	2.65	16	33.7	G0 J	14	268
14		9.3R	34 31.876	-0.0001	15	-23 26 16.74	-0.016	15	0.29	31.878	16	33.7	16.47	16	33.7	G J	14	269
15	9.5	8.9W	34 32.531	0.0041	21	-29 59 13.66	0.027	21	0.42	32.460	22	32.9	14.13	21	32.9	G5	C7	222
16		9.5R	34 37.067	-0.0067	20	-26 25 10.11	-0.009	20	0.36	37.176	16	33.7	9.96	16	33.7	G0 J	14	270
17		9.5R	34 43.365	-0.0046	18	-23 32 50.04	0.018	18	0.34	43.440	16	33.7	50.33	16	33.7	G J	14	272
18		5.7T	34 46.669	0.1022	03	-25 2 31.65	-0.007	03	0.15	41.877	05	03.1	31.35	05	05.0	K0	GC	741K
19		8.3R	35 1.315	-0.0003	20	-26 1 33.24	-0.050	20	0.36	1.321	16	33.7	32.42	16	33.7	G0 J	14	273
20		9.4R	35 4.410	-0.0002	18	-24 13 47.62	-0.048	18	0.34	4.412	16	33.7	46.83	16	33.7	G5 J	14	274
21		8.1R	35 10.488	-0.0003	20	-25 50 5.86	-0.030	20	0.36	10.494	16	33.7	5.36	16	33.7	F2 J	14	275
22		8.8R	35 15.863	0.0030	15	-23 15 0.29	-0.028	15	0.29	15.814	16	33.7	59.83	16	33.7	G5 J	14	276
23		9.2R	35 22.992	0.0033	17	-27 56 38.81	0.022	17	0.31	22.938	16	33.7	39.17	16	33.7	G5 J	13B	215
24		8.5R	35 28.532	0.0043	18	-22 36 46.42	0.030	18	0.34	28.462	16	33.7	46.91	16	33.7	G5 J	14	277
25		9.2R	35 32.626	-0.0043	20	-26 25 36.34	-0.045	20	0.36	32.697	16	33.7	35.60	16	33.7	F8 J	14	280
26		9.6R	35 32.715	-0.0007	20	-22 48 42.79	-0.034	20	0.36	32.725	16	33.7	42.23	16	33.7	K5 J	14	278
27		9.3R	35 33.157	-0.0029	15	-23 27 22.40	-0.079	15	0.29	33.205	16	33.7	21.11	16	33.7	G0 J	14	279
28		8.6R	35 34.209	0.0032	17	-29 47 13.08	-0.014	17	0.31	34.156	16	33.7	12.85	16	33.7	K0 J	13B	216
29		8.8R	35 35.527	-0.0038	12	-21 41 4.64	-0.016	12	0.25	35.588	16	33.7	4.37	16	33.7	M2 J	14	281
30		8.9R	35 35.838	0.0027	12	-29 2 13.00	-0.005	12	0.25	35.795	16	33.7	12.92	16	33.7	K2 J	13B	217
31		9.3R	35 36.641	-0.0002	15	-25 35 53.24	0.073	15	0.29	36.644	16	33.7	54.43	16	33.7	F8 J	14	282
32		7.4R	35 38.654	-0.0008	17	-27 53 45.44	0.035	17	0.31	38.667	16	33.7	46.01	16	33.7	K0 J	13B	218
33		8.6R	35 42.286	0.0017	18	-22 32 18.33	-0.006	18	0.34	42.257	16	33.7	18.23	16	33.7	G5 J	14	283
34		9.0R	35 43.805	0.0022	20	-23 29 41.84	-0.021	20	0.36	43.769	16	33.7	41.49	16	33.7	K0 J	14	284
35		8.3A	35 44.964	0.0033	20	-21 28 8.25	-0.041	15	0.33	44.911	16	33.7	7.59	16	33.7	K2 J	13A	146
36		8.9A	35 46.962	0.0025	20	-20 48 50.66	-0.032	15	0.33	46.922	16	33.7	50.15	16	33.7	K0 J	13A	147
37		8.5R	35 55.966	0.0011	15	-24 56 16.20	-0.005	15	0.29	55.948	16	33.7	16.11	16	33.7	A5 J	14	285
38		6.7T	36 1.963	0.0004	17	-20 34 18.08	-0.004	15	0.85	1.942	24	99.1	17.89	21	97.6	B8	GC	764
39		7.1R	36 7.377	-0.0050	18	-23 52 24.76	-0.058	18	0.34	7.458	16	33.7	23.81	16	33.7	F5 J	14	286
40		8.6A	36 7.672	0.0007	17	-20 1 0.41	0.005	12	0.28	7.661	16	33.7	0.49	16	33.7	G5 J	13A	149
41		8.7A	36 15.726	0.0022	20	-21 18 53.21	0.007	15	0.33	15.690	16	33.7	53.33	16	33.7	F5 J	13A	150
42		8.8R	36 16.700	0.0073	20	-27 26 45.12	-0.045	20	0.36	16.581	16	33.7	44.40	16	33.7	G0 J	13B	220K
43		6.6T	36 19.984	0.0048	11	-25 22 55.67	-0.016	11	0.63	19.732	18	97.1	54.79	18	94.1	K0	GC	768K
44		8.6R	36 21.491	-0.0042	20	-25 52 29.11	0.017	20	0.36	21.561	16	33.7	29.38	16	33.7	K	J	14
45		9.4R	36 22.063	-0.0008	18	-23 47 35.43	0.018	18	0.34	22.076	16	33.7	35.72	16	33.7	G0 J	14	288
46		8.0R	36 24.647	-0.0031	20	-25 52 12.30	-0.012	20	0.36	24.697	16	33.7	12.10	16	33.7	A3 J	14	290
47		9.5R	36 27.172	-0.0023	18	-22 50 39.18	-0.016	18	0.34	27.208	16	33.7	38.92	16	33.7	F5 J	14	291
48		9.0A	36 32.770	0.0065	20	-21 33 7.56	0.033	15	0.33	32.664	16	33.7	8.09	16	33.7	G5 J	13A	153
49		9.1R	36 35.362	0.0035	15	-25 19 1.08	-0.004	15	0.29	35.305	16	33.7	1.02	16	33.7	G0 J	14	292
50		9.2R	36 37.520	-0.0007	15	-24 57 59.68	0.006	15	0.29	37.532	16	33.7	59.77	16	33.7	F8 J	14	293
51		8.6A	0 36 41.257	0.0022	18	-20 21 45.00	0.003	13	0.30	41.221	16	33.7	45.05	16	33.7	K2 J	13A	154
52		8.5R	36 42.430	-0.0020	12	-28 23 29.69	0.030	12	0.25	42.463	16	33.7	30.18	16	33.7	G5 J	13B	222
53		9.3R	36 46.122	-0.0041	20	-26 41 48.09	-0.000	20	0.36	46.189	16	33.7	48.08	16	33.7	F8 J	14	294
54		8.9A	36 47.227	0.0027	17	-20 8 6.92	-0.015	15	0.30	47.183	16	33.7	6.67	16	33.7	K0 J	13A	155
55		8.2R	36 49.100	0.0017	20	-28 25 26.43	0.049	20	0.36	49.073	16	33.7	27.22	16	33.7	G5 J	13B	223
56		9.2R	36 50.528	0.0013	20	-23 47 35.68	-0.066	20	0.36	50.506	16	33.7	34.60	16	33.7	K5 J	14	295
57		9.0R	36 52.793	0.0007	17	-27 49 5.03	0.022	17	0.31	52.782	16	33.7	5.38	16	33.7	K0 J	13B	224
58		8.4R	36 56.858	0.0061	15	-26 15 42.63	-0.004	15	0.29	56.758	16	33.7	42.56	16	33.7	G0 J	14	296
59		8.8R	36 57.832	0.0041	12	-24 47 52.77	0.084	12	0.25	57.766	16	33.7	54.15	16	33.7	G0 J	14	297
60		8.6R	37 2.999	-0.0045	17	-29 21 34.67	0.008	17	0.31	3.072	16	33.7	34.80	16	33.7	K0 J	13B	225
61		9.0R	37 10.269	-0.0013	18	-21 51 12.85	-0.042	18	0.34	10.291	16	33.7	12.15	16	33.7	G0 J	14	298
62	10.1	9.7W	37 11.195	0.0032	21	-29 51 55.90	0.007	21	0.42	11.140	22	32.9	56.03	21	32.9	F8 L	C7	235
63		8.7R	37 15.206	0.0013	18	-24 27 33.49	-0.013	18	0.34	15.184	16	33.7	33.27	16	33.7	K0 J	14	299
64		9.5R	37 16.122	-0.0008	18	-24 12 3.37	-0.067	18	0.34	16.135	16	33.7	2.27	16	33.7	K2 J	14	300
65		8.7R	37 22.641	0.0019	12	-25 18 24.39	-0.149	12	0.25	22.610	16	33.7	21.96	16	33.7	G0 J	14	301
66		9.0R	37 26.001	0.0006	20	-26 15 56.87	-0.002	20	0.36	25.992	16	33.7	56.83	16	33.7	K5 J	14	302
67		8.8R	37 27.895	-0.0007	20	-26 57 19.93	0.058	20	0.36	27.907	16	33.7	20.89	16	33.7	F2 J	13B	229
68		8.9R	37 40.571	0.0103	17	-28 50 37.16	-0.060	17	0.31	40.404	16	33.7	36.18	16	33.7	G5 J	13B	230
69		8.1R	37 40.745	0.0008	20	-26 19 26.04	0.018	20	0.36	40.732	16	33.7	26.33	16	33.7	K5 J	14	303
70		9.2R	37 48.721	-0.0028	12	-28 47 19.60	0.014	12	0.25	48.767	16	33.7	19.83	16	33.7	K2 J	13B	231
71		9.0R	37 55.314	-0.0026	15	-23 42 14.61	-0.002	15	0.29	55.356	16	33.7	14.57	16	33.7	F5 J	14	304
72		9.3R	37 55.664	-0.0038	15	-22 43 4.26	0.009	15	0.29	55.725	16	33.7	4.40	16	33.7	K5 J	14	305
73		9.0A	37 56.161	-0.0012	15	-21 16 7.12	-0.100	11	0.26	56.181	16	33.7	5.50	16	33.7	K0 J	13A	159
74		9.0R	37 59.476	0.0016	20	-27 22 10.80	-0.002	20	0.36	59.450	16	33.7	10.76	16	33.7	K2 J	13B	233
75		6.2T	38 1.850	0.0469	10	-24 4 26.67	-0.328	10	0.56	59.264	15	94.8	8.41	15	94.4	K0	GC	799
76		8.3R	38 3.161	-0.0135	20	-27 32 52.68	-0.197	20	0.36	3.382	16	33.7	49.46	16	33.7	G0 J	13B	234
77		6.9T	38 5.966	0.0011	13	-29 41 42.82	0.024	13	0.69	5.913	15	01.2	44.08	18	97.8	G5	GC	803
78		7.9R	38 20.133	0.0045	20	-27 38 56.81	-0.066	20	0.36	20.060	16	33.7	55.72	16	33.7	F8 J	13B	238
79		8.9R	38 23.898	0.0119	12	-27 57 19.57	-0.026	12	0.25	23.704	16	33.7	19.15	16	33.7	G0 J	13B	240
80		9.1R	38 24.073	0.0147	18	-23 16 43.21	-0.042	18	0.34	23.833	16	33.7	42.52	16	33.7	G5 J	14	307
81		9.3R	38 30.282	0.0004	20	-26 20 17.81	-0.002	20	0.36	30.275	16	33.7	17.77	16	33.7	G5 J	14	308
82		9.0R	38 37.579	-0.0015	12	-29 47 40.51	0.028	12	0.25	37.604	16	33.7	40.97	16	33.7	K0 J	13B	241
83		9.2R	38 37.963	-0.0020	18	-23 47 59.74	0.012	18	0.34	37.995	16	33.7	59.93	16	33.7	F5 J	14	310
84		9.1R	38 40.500	-0.0036	12	-22 43 46.56	0.043	12	0.25	40.559	16	33.7	47.26	16	33.7	F8 J	14	311
85		9.0R	38 43.360	0.0068	20	-27 6 40.81	0.056	20	0.36	43.249	16	33.7	41.71	16	33.7	G5 J	13B	242
86		9.3R	38 47.715	0.0081	15	-25 16 2.37	0.031	15	0.29	47.583	16	33.7	2.88	16	33.7	G0 J	14	312
87		9.0A	38 48.689	0.0011	13	-20 8 14.36	-0.009	11	0.25	48.672	16	33.7	14.21	16	33.7	A0 J	13A	162
88		9.5R	38 56.156	-0.0053	20	-26 0 56.32	0.016	20	0.36	56.243	16	33.7	56.58	16	33.7	K0 J	14	313
89		7.9T	39 0.278	0.0009	09	-20 34 26.18	0.004	08	0.42	0.236	15	04.3	26.39	15	01.5	K2	GC	824
90		6.7T	39 6.154	-0.0024	15	-25 28 12.25	-0.034	12	0.72	6.273	19	01.1	10.50	19	98.2	K0	GC	827
91		9.0R	39 11.772	0.0001	20	-27 31 1.62	-0.017	20	0.36	11.770	16	33.7	1.34	16	33.7	G0 J	13B	244
92		8.0R	39 14.251	0.0013	15	-25 2 1.12	0.043	15	0.29	14.230	16	33.7	1.83	16	33.7	G5 J	14	315K
93		8.9R	39 23.535	0.0020	20	-25 55 51.96	0.024	20	0.36	23.502	16	33.7	52.35	16	33.7	K2 J	14	317
94		9.1R	39 33.918	-0.0003	20	-25 13 26.93	0.076	20	0.36	33.923	16	33.7	28.18	16	33.7	G0 J	14	318
95		9.5R	39 38.281	0.0009	18	-22 41 0.42	-0.016	18	0.34	38.267	16	33.7	0.16	16	33.7	K0 J	14	319
96		9.1R	39 39.796	-0.0023	15	-22 34 54.83	-0.009	15	0.29	39.834	16	33.7	54.68	16	33.7	K0 J	14	320
97		8.9R	39 43.335	-0.0011	18	-23 15 57.09	-0.002	18	0.34	43.353	16	33.7	57.06	16	33.7	F5 J	14	321K
98		8.8R	39 54.158	-0.0015	15	-23 33 28.62	-0.020	15	0.29	54.182	16	33.7	28.29	16	33.7	K0 J	14	323
99		8.9R	40 4.541	0.0014	20	-26 27 43.16	0.027	20	0.36	4.519	16	33.7	43.59	16	33.7	F5 J	14	324
00		8.8R	40 5.572	0.0018	12	-28 10 33.14	-0.022	12	0.25	5.542	16	33.7	32.78	16	33.7	K0 J	13B	249

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DM NUMBER
E -22 185
J -27 173
E -22 187
J -27 176
J -29 169
E -26 179
J -27 177
E -25 217
J -27 178
J -28 168
E -25 221
J -30 173
E -25 222
E -23 227
C -30 175
E -26 181
E -23 228
C* -25 225
E -26 187
E -24 234
E -26 188
E -23 230
J -28 174
E -23 231
E -26 192
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J -30 178
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J -29 179
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J -28 177
E -22 197
E -23 235
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-21 84
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A -20 109
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J -27 187
C -25 234
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J -27 200
C* -30 195
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-21 91
C -25 264
J -27 206
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E -26 220
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E -23 261
E -22 219
E -23 262
E -23 263
E -26 226
J -28 206

166500 — EPOCH 1950 — ORIGINAL EPOCH — SOURCE — −20° 0H

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	α_{1950} h m s	μ s	σ_μ .001	δ_{1950} ° ′ ″	μ' ″	σ_μ .001	σ ″	α_2 s	σ .01	ep.	δ_2 ″	σ' .01	ep.	SP.	CAT.	STAR NUMBER	DM NUMBER
1		9.1R	D 40 8.374	-0.0009	20	-24 4 7.66	-0.019	20	0.36	8.388	16	33.7	7.34	16	33.7	K0 J	14	325	E -24 282
2		8.8A	40 9.550	0.0012	18	-20 37 36.17	0.026	12	0.30	9.531	16	33.7	36.60	16	33.7	F5 J	13A	166	A -21 95
3		7.5T	40 11.264	-0.0003	06	-20 28 3.42	-0.012	07	0.43	11.280	17	86.6	2.70	15	90.3	G5	GC	644	-20 123
4		9.2R	40 12.175	-0.0009	20	-26 10 39.27	-0.044	20	0.36	12.190	16	33.7	38.55	16	33.7	K0 J	14	326	E -26 227
5		9.0A	40 16.613	0.0004	20	-20 38 1.99	-0.033	15	0.33	16.606	16	33.7	1.46	16	33.7	G0 J	13A	170	A -21 96
6		9.3R	40 17.346	0.0041	18	-24 31 42.83	-0.011	18	0.34	17.279	16	33.7	42.65	16	33.7	G0 J	14	327	E -24 284
7		8.4R	40 21.461	0.0022	18	-21 55 56.39	-0.008	18	0.34	21.425	16	33.7	56.25	16	33.7	K0 J	14	328	E -22 223
8		8.7R	40 24.615	-0.0010	20	-27 59 25.09	0.046	20	0.36	24.632	16	33.7	25.83	16	33.7	G5 J	13B	250	J -28 210
9		9.2A	40 25.089	-0.0001	20	-20 54 6.67	-0.094	15	0.33	25.092	16	33.7	5.14	16	33.7	G0 J	13A	172	A -21 97
10		9.1R	40 27.365	0.0084	20	-22 53 41.64	0.015	20	0.36	27.228	16	33.7	41.88	16	33.7	K0 J	14	329	E -23 267
11		9.0R	40 29.515	-0.0026	20	-26 54 7.39	0.029	20	0.36	29.558	16	33.7	7.87	16	33.7	F5 J	13B	251	J -27 212
12		9.4R	40 30.397	-0.0024	20	-22 13 26.55	-0.044	20	0.36	30.435	16	33.7	25.82	16	33.7	K2 J	14	330	E -22 225
13		8.5R	40 38.022	-0.0024	18	-21 58 52.19	-0.052	18	0.34	38.060	16	33.7	51.33	16	33.7	K0 J	14	331	E -22 227
14		8.2R	40 57.427	-0.0005	20	-26 11 47.10	0.037	20	0.36	57.435	16	33.7	47.70	16	33.7	F8 J	14	332	E -26 230
15		8.7R	41 0.521	0.0033	18	-22 54 37.43	-0.040	18	0.34	0.466	16	33.7	36.77	16	33.7	K2 J	14	333	E -23 268
16		8.8R	41 8.654	0.0070	20	-25 0 11.53	0.024	20	0.36	8.539	16	33.7	11.93	16	33.7	G0 J	14	334	E -25 277
17		8.7A	41 18.231	0.0035	17	-21 20 39.19	-0.002	12	0.28	18.174	16	33.7	39.16	16	33.7	G0 J	13A	176	A -21 98
18		8.8A	41 24.887	-0.0004	20	-20 40 23.58	0.009	15	0.33	24.894	16	33.7	23.73	16	33.7	A0 J	13A	177	A -21 99
19		8.9A	41 27.515	0.0008	20	-20 31 15.95	0.000	15	0.33	27.503	16	33.7	15.96	16	33.7	A2 J	13A	178	A -21 100
20		8.9A	41 27.658	-0.0030	20	-21 21 14.90	-0.024	15	0.33	27.707	16	33.7	14.52	16	33.7	K0 J	13A	179	A -21 101
21		8.3R	41 30.986	-0.0003	20	-25 8 45.08	-0.035	20	0.36	30.990	16	33.7	44.51	16	33.7	G0 J	14	335	E -25 280
22		8.2R	41 48.006	0.0051	18	-22 20 48.56	0.053	18	0.34	47.923	16	33.7	49.42	16	33.7	K0 J	14	336	E -22 234
23		9.5R	41 48.144	0.0002	20	-23 20 19.46	-0.034	20	0.28	48.148	16	33.7	18.91	16	33.7	K0 J	14	337	E -23 277
24		8.8R	41 52.332	0.0003	18	-24 26 6.26	0.014	18	0.34	52.327	16	33.7	6.48	16	33.7	K5 J	14	338	E -24 294
25		9.0R	41 52.383	0.0011	20	-25 1 23.40	0.033	20	0.36	52.364	16	33.7	23.94	16	33.7	K0 J	14	339	E -25 281
26		7.7T	41 58.070	0.0245	14	-26 47 29.14	0.143	14	0.73	56.838	15	99.7	36.31	17	00.0	G0	GC	883	C*-27 223
27		9.0R	42 0.514	-0.0027	20	-25 47 51.85	0.060	20	0.36	0.558	16	33.7	52.83	16	33.7	F8 J	14	340	E -26 233
28		5.3T	42 15.980	-0.0049	05	-22 16 50.60	0.087	04	0.22	16.205	06	04.6	54.60	06	03.8	A5	GC	889	-22 127
29		9.5R	42 19.843	0.0015	18	-23 57 2.28	0.003	18	0.34	19.818	16	33.7	2.33	16	33.7	A3 J	14	343	E -24 297
30		8.6A	42 22.818	-0.0000	15	-20 36 34.75	-0.031	11	0.26	22.810	16	33.7	34.25	16	33.7	F0 J	13A	183	A -21 104
31		8.7R	42 25.935	-0.0011	20	-21 40 44.23	0.007	20	0.36	25.953	16	33.7	44.34	16	33.7	F0 J	14	344	E -22 240
32		9.2R	42 29.201	-0.0056	20	-23 8 12.70	-0.135	20	0.36	29.293	16	33.7	10.49	16	33.7	G5 J	14	345	E -23 282
33		9.3R	42 33.085	-0.0016	20	-24 47 22.35	0.018	20	0.36	33.111	16	33.7	22.64	16	33.7		14	346	E -25 285
34		8.5R	42 33.759	-0.0004	20	-28 7 35.65	-0.024	20	0.36	33.765	16	33.7	35.26	16	33.7	K5 J	13B	261	J -28 225
35		9.4R	42 39.151	0.0035	20	-25 11 33.76	-0.004	20	0.36	39.094	16	33.7	33.70	16	33.7	F5 J	14	348	E -25 287
36		8.6R	42 43.145	-0.0001	17	-28 2 28.58	0.024	17	0.31	43.146	16	33.7	28.97	16	33.7	F2 J	13B	262	J -28 226
37		9.0R	42 44.451	-0.0009	18	-24 21 38.48	-0.159	18	0.34	44.465	16	33.7	35.88	16	33.7	K0 J	14	349	E -24 298
38		8.7R	42 46.163	0.0007	20	-27 24 23.83	-0.029	20	0.36	46.153	16	33.7	23.35	16	33.7	K0 J	13B	263	J -27 229
39		9.0R	43 2.624	0.0034	20	-28 24 21.59	0.010	20	0.36	2.568	16	33.7	21.74	16	33.7	G0 J	13B	264	J -28 228
40		9.1R	43 5.267	0.0001	20	-28 57 29.13	0.008	00	0.28	5.266	16	33.7	29.26	16	33.7	A0 J	13B	265	J -29 213
41		8.5R	43 7.412	0.0008	18	-23 43 24.80	-0.003	18	0.34	7.399	16	33.7	24.75	16	33.7	G5 J	14	350	E -24 305
42		8.0R	43 7.801	0.0040	20	-28 9 13.20	0.005	20	0.36	7.735	16	33.7	13.27	16	33.7	K0 J	13B	266	J -28 229
43		8.9A	43 8.330	-0.0001	18	-21 10 55.38	-0.004	13	0.30	8.331	16	33.7	55.32	16	33.7	A2 J	13A	187K	A -21 106
44		9.0A	43 14.757	-0.0017	18	-21 29 24.49	-0.003	15	0.31	14.784	16	33.7	24.45	16	33.7	F8 J	13A	189	A -22 129
45		9.3R	43 20.023	-0.0055	20	-28 32 0.79	0.029	20	0.36	20.114	16	33.7	1.27	16	33.7	G0 J	13B	267	J -28 230
46		9.0R	43 27.786	-0.0010	20	-28 0 15.31	0.017	20	0.36	27.802	16	33.7	15.58	16	33.7	K0 J	13B	269	J -28 232
47		9.0R	43 29.554	-0.0091	18	-24 26 6.85	-0.095	18	0.34	29.702	16	33.7	5.29	16	33.7	G0 J	14	351	E -24 309
48		8.7R	43 34.786	-0.0002	18	-25 39 10.72	0.006	18	0.34	34.789	16	33.7	10.81	16	33.7	G5 J	14	352	E -26 245
49		9.1R	43 36.375	0.0019	20	-26 30 30.55	0.008	20	0.36	36.344	16	33.7	30.68	16	33.7	K2 J	14	353	E -26 244
50		8.9R	43 37.915	-0.0012	12	-29 5 58.19	0.015	12	0.25	37.934	16	33.7	58.44	16	33.7	A0 J	13B	271	J -29 215
51		9.0R	D 43 39.999	-0.0002	18	-27 18 24.54	-0.045	18	0.34	40.002	16	33.7	23.82	16	33.7	K0 J	13B	272	J -27 240
52		9.6R	43 40.032	-0.0023	18	-23 38 46.28	-0.002	18	0.34	40.069	16	33.7	46.24	16	33.7	G0 J	14	354	E -24 311
53		8.7A	43 42.403	-0.0097	15	-20 56 11.04	-0.035	11	0.26	42.562	16	33.7	10.48	16	33.7	G5 J	13A	190	A -21 107
54		8.4R	43 42.663	-0.0013	18	-22 30 52.97	0.026	18	0.34	42.684	16	33.7	53.39	16	33.7	F8 J	14	356	E -22 248
55		5.6T	43 42.721	0.0144	06	-22 47 42.14	-0.001	07	0.30	42.066	10	04.5	42.10	10	04.8	K0	GC	922	C*-23 293
56		9.5R	43 47.103	-0.0011	18	-21 38 31.80	-0.008	18	0.34	47.120	16	33.7	31.66	16	33.7	K0 J	14	357	E -22 250
57		8.4R	43 48.104	0.0049	20	-25 48 36.70	-0.024	20	0.36	48.024	16	33.7	36.30	16	33.7	A5 J	14	358	E -26 247
58		9.1R	43 48.772	0.0006	13	-28 56 25.47	-0.004	13	0.27	48.763	16	33.7	25.41	16	33.7	K0 J	13B	274	J -29 216
59		9.5R	43 50.376	-0.0009	18	-25 4 24.04	-0.019	18	0.34	50.390	16	33.7	23.73	16	33.7	K2 J	14	359	E -25 294
60		8.8A	43 51.582	0.0021	18	-20 22 8.27	-0.009	15	0.31	51.548	16	33.7	8.12	16	33.7	K5 J	13A	192	A -20 129
61		9.0R	43 54.979	0.0019	18	-23 46 7.33	-0.036	18	0.34	54.948	16	33.7	6.73	16	33.7	F5 J	14	360	E -24 314
62		9.2R	44 2.882	0.0019	12	-25 8 31.49	0.029	12	0.25	2.850	16	33.7	31.97	16	33.7	K2 J	14	362	E -25 298
63		9.0R	44 4.776	0.0027	17	-28 40 28.72	0.016	17	0.31	4.733	16	33.7	28.99	16	33.7	G0 J	13B	275	J -29 218
64		8.6R	44 4.790	-0.0081	17	-28 49 33.94	-0.065	17	0.31	4.922	16	33.7	32.88	16	33.7	G5 J	13B	276	J -29 219
65		9.1R	44 9.372	0.0002	17	-29 36 10.93	0.002	17	0.31	9.337	16	33.7	10.97	16	33.7	F8 J	13B	277	J -30 227
66		8.8A	44 12.449	-0.0007	18	-20 13 44.11	-0.001	15	0.31	12.461	16	33.7	44.09	16	33.7	F2 J	13A	196	A -20 131
67		9.0R	44 31.015	-0.0004	20	-27 49 59.19	0.018	20	0.36	31.021	16	33.7	59.49	16	33.7	G5 J	13B	279	J -28 238
68		7.4R	44 31.982	0.0047	18	-24 29 21.51	-0.030	18	0.34	31.905	16	33.7	21.01	16	33.7	A5 J	14	363	E -24 321
69		9.1R	44 32.066	-0.0009	18	-23 1 43.16	0.005	18	0.34	32.080	16	33.7	43.24	16	33.7	G5 J	14	364	E -23 300
70		9.5R	44 39.857	-0.0002	18	-21 56 14.65	-0.052	18	0.34	39.860	16	33.7	13.79	16	33.7	G0 J	14	365	E -22 254
71		8.6R	44 41.035	-0.0038	13	-29 24 31.11	-0.083	13	0.27	41.098	16	33.7	29.76	16	33.7	F5 J	13B	282	J -29 221
72		8.9A	44 41.886	0.0011	20	-21 8 32.70	0.016	15	0.33	41.869	16	33.7	32.97	16	33.7	K0 J	13A	199	A -21 111
73		8.7A	44 50.670	0.0038	17	-20 14 14.50	0.010	12	0.28	50.608	16	33.7	14.66	16	33.7	K0 J	13A	200	A -20 133
74		9.2R	44 51.163	-0.0034	15	-24 45 26.02	-0.077	15	0.29	51.218	16	33.7	24.76	16	33.7	G5 J	14	366	E -25 303
75		8.9R	44 52.894	-0.0039	18	-25 39 13.50	0.044	18	0.34	52.957	16	33.7	14.21	16	33.7	G5 J	14	367	E -26 252
76		9.2R	44 54.037	-0.0016	13	-28 34 30.06	-0.024	13	0.27	54.063	16	33.7	29.67	16	33.7	F2 J	13B	283	J -28 239
77		8.6R	44 55.542	0.0022	12	-29 46 19.99	-0.029	12	0.25	55.505	16	33.7	19.52	16	33.7	G5 J	13B	284	J -30 232
78		9.4R	44 58.469	-0.0018	15	-23 23 10.62	-0.011	15	0.29	58.498	16	33.7	10.44	16	33.7	F5 J	14	368	E -23 302
79		8.5R	45 7.512	-0.0014	15	-25 40 3.47	0.022	15	0.29	7.534	16	33.7	3.83	16	33.7	G5 J	14	370	E -26 254
80		8.7R	45 7.936	0.0034	18	-23 47 57.05	0.022	18	0.34	7.880	16	33.7	57.39	16	33.7	K0 J	14	369	E -24 324
81		8.4R	45 13.918	-0.0013	18	-27 14 55.13	-0.031	18	0.34	13.939	16	33.7	54.63	16	33.7	F0 J	13B	286	J -27 243
82		9.5R	45 15.313	-0.0002	20	-24 7 18.83	-0.026	20	0.36	15.315	16	33.7	18.40	16	33.7	K0 J	14	371	E -24 326
83		9.2R	45 24.942	-0.0021	20	-25 52 34.63	-0.007	20	0.36	24.977	16	33.7	34.51	16	33.7	K0 J	14	372	E -26 257
84		7.6T	45 30.352	0.0054	12	-29 37 0.63	0.021	11	0.65	30.068	18	97.2	1.80	18	94.7	A5	GC	956K	C*-30 240
85		5.5H	45 32.646	0.0018	02	-21 59 42.11	-0.007	03	0.09	32.597	04	22.1	41.92	05	20.2	B9	F4	1018	-22 134
86		8.7R	45 35.635	0.0138	12	-25 21 4.03	-0.034	12	0.25	35.409	16	33.7	3.48	16	33.7	G5 J	14	374	E -25 306
87		9.3R	45 38.714	-0.0009	15	-24 53 45.75	-0.013	15	0.29	38.727	16	33.7	45.53	16	33.7	K0 J	14	375	E -25 308
88		8.7R	45 45.767	0.0013	20	-26 38 27.98	-0.012	20	0.36	45.746	16	33.7	27.78	16	33.7	K0 J	14	376	E -27 247
89		9.1R	45 50.513	0.0037	12	-28 21 41.50	0.027	12	0.25	50.452	16	33.7	41.94	16	33.7	F5 J	13B	290	J -28 246
90		9.2R	45 59.276	0.0045	12	-27 48 33.14	-0.007	12	0.25	59.203	16	33.7	33.03	16	33.7	F8 J	13B	291	J -28 248
91		8.0R	46 4.440	-0.0008	18	-26 38 31.09	0.041	18	0.34	4.454	16	33.7	31.76	16	33.7	K0 J	14	377	E -27 250
92		9.3R	46 8.825	0.0034	20	-26 9 52.07	0.022	20	0.36	8.770	16	33.7	52.43	16	33.7	G5 J	14	378	E -26 259
93		6.7T	46 14.728	0.0079	15	-28 46 0.99	-0.031	12	0.71	14.337	17	00.1	-59.34	18	96.2	F0	GC	966	C -29 225
94		9.4R	46 15.690	0.0036	17	-28 7 2.29	-0.009	17	0.31	15.592	16	33.7	2.15	16	33.7	G5 J	13B	293	J -28 249
95		8.3R	46 16.907	-0.0015	18	-24 24 56.25	-0.028	18	0.34	16.932	16	33.7	55.79	16	33.7	G5 J	14	379	E -24 339
96		8.9R	46 20.776	-0.0006	18	-23 20 21.84	-0.021	18	0.34	20.786	16	33.7	21.50	16	33.7	A5 J	14	380	E -23 311
97		9.5R	46 24.415	-0.0022	18	-24 27 40.40	0.025	18	0.34	24.451	16	33.7	40.80	16	33.7	G5 J	14	381	E -24 341
98		8.5R	46 31.751	-0.0025	15	-24 50 30.70	-0.014	15	0.29	31.792	16	33.7	30.47	16	33.7	K0 J	14	382	E -25 309
99		8.7R	46 36.399	-0.0032	20	-26 29 7.07	-0.041	20	0.36	36.452	16	33.7	6.40	16	33.7	G5 J	14	385	E -26 261
00		9.4R	46 36.481	0.0015	18	-22 37 58.79	-0.008	18	0.34	36.457	16	33.7	58.66	16	33.7	G5 J	14	384	E -23 312

166600

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	EPOCH 1950 μ s	EPOCH 1950 σ_μ ″.001	EPOCH 1950 δ_{1950} ° ′ ″	EPOCH 1950 μ' ″	EPOCH 1950 σ'_μ ″.001	EPOCH 1950 σ_{1950} ″	ORIGINAL EPOCH α_2 s	ORIGINAL EPOCH σ ″.01	ORIGINAL EPOCH ep.	ORIGINAL EPOCH δ_2 ″	ORIGINAL EPOCH σ' ″.01	ORIGINAL EPOCH ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	-20° 0H DM NUMBER
1		7.0T	D 46 37.794	-0.0038	30	-21 25 22.67	-0.025	28	1.34	37.964	19	04.6	21.56	21	04.6	G5	GC	976	-21 119
2		6.1T	46 46.121	0.0056	11	-24 24 29.28	-0.047	10	0.61	45.824	17	96.7	26.67	17	95.0	G5	GC	980K	C -24 345
3		8.6R	46 50.047	0.0097	15	-21 40 11.04	0.019	15	0.29	49.888	16	33.7	11.34	16	33.7	F5	J	14	387	E -22 266
4		8.4R	46 53.820	-0.0024	18	-23 36 4.64	-0.010	18	0.34	53.859	16	33.7	4.47	16	33.7	G5	J	14	388	E -24 346
5		8.6R	46 54.355	0.0001	12	-25 42 43.68	0.001	12	0.25	54.354	16	33.7	43.69	16	33.7	K0	J	14	390	E -26 264
6		8.4R	46 56.526	0.0000	12	-27 52 37.28	-0.017	12	0.25	56.526	16	33.7	36.99	16	33.7	F2	J	13B	296	J -28 253
7		7.2T	46 57.141	0.0377	15	-23 29 12.62	0.112	15	0.77	55.268	17	00.3	18.25	18	99.8	G5		GC	986	C*-23 315
8		6.2T	47 5.764	-0.0007	10	-23 38 2.56	0.004	12	0.63	5.805	17	94.5	2.76	17	95.0	A2		GC	990	C -24 347
9		8.6A	47 14.402	0.0015	20	-21 24 3.16	-0.007	15	0.33	14.378	16	33.7	3.05	16	33.7	K2	J	13A	212	A -21 123
10		7.5R	47 28.217	0.0043	18	-22 22 27.07	0.022	18	0.34	28.146	16	33.7	27.42	16	33.7	K5	J	14	392	E -22 270
11		9.1R	47 30.943	0.0048	17	-27 58 0.13	0.000	17	0.31	30.865	16	33.7	0.14	16	33.7	K5	J	13B	297	J -28 257
12		9.5R	47 31.817	0.0018	20	-26 14 33.41	0.021	20	0.36	31.789	16	33.7	33.75	16	33.7	F5	J	14	393	E -26 265
13		8.1R	47 32.849	0.0016	18	-24 23 30.52	-0.038	18	0.34	32.823	16	33.7	29.89	16	33.7	K0	J	14	394	E -24 351
14		9.5R	47 35.829	0.0049	18	-24 39 23.02	-0.026	18	0.34	35.748	16	33.7	22.59	16	33.7	G5	J	14	395	E -25 316
15		8.8R	47 42.520	-0.0001	12	-29 16 35.19	-0.020	12	0.25	42.522	16	33.7	34.86	16	33.7	K5	J	13B	299	J -29 232
16		9.1R	47 45.025	0.0019	12	-24 38 12.69	0.028	12	0.25	44.995	16	33.7	13.14	16	33.7	K0	J	14	397	E -25 318
17		9.2R	47 47.582	0.0012	18	-22 41 59.16	-0.025	18	0.34	47.563	16	33.7	58.75	16	33.7	K0	J	14	398	E -23 319
18		8.7R	47 54.031	0.0114	12	-27 42 34.52	0.068	12	0.25	53.845	16	33.7	35.62	16	33.7	G0	J	13B	301	J -28 258
19		9.2R	48 9.404	0.0012	20	-26 18 27.56	0.071	20	0.36	9.384	16	33.7	28.72	16	33.7	G0	J	14	399	E -26 270
20		8.7R	48 10.243	0.0036	12	-27 42 25.28	0.015	12	0.25	10.184	16	33.7	25.53	16	33.7	A3	J	13B	302	J -28 260
21		9.1R	48 15.418	0.0004	18	-24 32 41.85	0.033	18	0.34	15.412	16	33.7	42.39	16	33.7	K0	J	14	400	E -24 357
22		8.4R	48 17.182	0.0045	18	-23 56 31.79	-0.075	18	0.34	17.108	16	33.7	30.56	16	33.7	G0	J	14	401	E -24 358
23		9.6R	48 22.820	-0.0024	18	-23 40 15.32	-0.001	18	0.34	22.859	16	33.7	15.30	16	33.7	G0	J	14	402	E -24 359
24		8.9A	48 26.267	0.0025	18	-21 8 54.25	0.023	15	0.31	26.226	16	33.7	54.63	16	33.7	K0	J	13A	214	A -21 127
25		9.3R	48 40.427	0.0004	15	-23 3 48.44	-0.022	15	0.29	40.421	16	33.7	48.08	16	33.7	K0	J	14	403	E -23 329
26		9.3R	48 49.239	-0.0052	12	-23 37 13.54	0.002	12	0.25	49.323	16	33.7	13.57	16	33.7	F8	J	14	404	E -24 363
27	10.5	9.5W	48 50.720	-0.0006	21	-29 57 42.63	-0.012	21	0.43	50.730	22	32.4	42.43	21	32.4	K2		C7	306	C -30 258
28		8.9A	48 51.263	0.0005	18	-21 43 45.00	-0.007	13	0.30	51.254	16	33.7	44.88	16	33.7	K0	J	13A	215	A -22 141
29		9.2R	48 56.393	0.0011	12	-27 39 31.37	-0.007	12	0.25	56.376	16	33.7	31.24	16	33.7	K0	J	13B	306	J -28 262
30		7.9R	49 3.954	0.0012	18	-23 51 5.52	0.002	18	0.34	3.935	16	33.7	5.55	16	33.7	G5	J	14	406	E -24 365
31		8.5R	49 4.238	0.0451	18	-23 10 40.86	-0.278	18	0.34	3.502	16	33.7	36.32	16	33.7	K5	J	14	405	E -23 332
32		9.4R	49 9.683	0.0069	15	-24 54 58.55	0.054	15	0.29	9.571	16	33.7	59.43	16	33.7	G0	J	14	407	E -25 326
33		8.2R	49 22.015	0.0037	12	-28 55 20.50	0.028	12	0.25	21.955	16	33.7	20.96	16	33.7	K5	J	13B	308	J -29 244
34		9.1R	49 23.258	-0.0045	18	-26 47 3.43	-0.028	18	0.34	23.332	16	33.7	2.99	16	33.7	F0	J	13B	309	J -27 273
35		8.6R	49 23.292	-0.0012	12	-25 27 50.64	0.032	12	0.25	23.312	16	33.7	51.16	16	33.7	K0	J	14	408	E -25 328
36		9.3R	49 28.297	0.0004	18	-21 40 34.96	0.016	18	0.34	28.291	16	33.7	35.21	16	33.7	G5	J	14	409	E -22 283
37		8.5R	49 32.430	0.0005	12	-27 53 45.24	-0.014	12	0.25	32.422	16	33.7	45.01	16	33.7	K0	J	13B	311	J -28 265
38		7.5T	49 45.229	-0.0042	20	-21 22 45.07	-0.066	12	0.80	45.423	18	03.5	41.70	17	98.6	F5		GC	1041	-21 129
39		9.2R	49 45.537	0.0021	12	-24 56 39.40	0.056	12	0.25	45.505	16	33.7	40.32	16	33.7	G5	J	14	411	E -25 329
40		7.6Q	49 45.572	-0.0082	15	-22 53 9.79	-0.198	13	0.73	45.979	17	00.4	-59.85	18	99.8	G0		GC	1042K	C*-23 334
41		8.5R	49 51.888	0.0013	15	-26 40 10.91	-0.014	15	0.29	51.868	16	33.7	10.69	16	33.7	K0	J	14	412	E -27 277
42		9.0R	49 56.998	0.0016	18	-23 45 22.85	0.020	18	0.34	56.972	16	33.7	23.17	16	33.7	G0	J	14	413	E -24 371
43		8.1A	50 3.036	0.0015	18	-20 9 59.53	-0.030	15	0.31	3.011	16	33.7	59.04	16	33.7	K2	J	13A	221	A -20 149
44		7.9T	50 3.516	0.0092	22	-21 16 0.92	-0.110	20	0.98	3.103	21	05.2	-55.82	19	03.4	G0		GC	1046	-21 130
45		9.1R	50 4.397	-0.0022	12	-29 24 49.37	-0.039	12	0.25	4.433	16	33.7	48.74	16	33.7	K2	J	13B	313	J -29 247
46		7.5R	50 12.617	0.0019	18	-21 42 33.80	-0.070	18	0.34	12.586	16	33.7	32.65	16	33.7	K0	J	14	414	E -22 285
47		9.6T	50 13.368	0.0024	07	-24 16 40.00	0.039	07	0.32	13.264	10	06.2	41.77	10	04.2	K0		GC	1051K	C*-24 376
48		9.1R	50 24.579	-0.0005	12	-27 42 1.88	0.018	12	0.25	24.587	16	33.7	2.18	16	33.7	F5	J	13B	314	J -28 274
49		8.9R	50 38.146	0.0016	12	-25 13 21.26	0.003	12	0.25	38.120	16	33.7	21.31	16	33.7	F5	J	14	417	E -25 336
50		9.3R	50 39.972	-0.0006	18	-21 52 42.88	-0.031	18	0.33	39.982	16	33.7	42.37	16	33.7	G0	J	14	418	E -22 288
51		6.4T	D 50 45.223	0.0071	11	-25 2 55.67	0.041	11	0.62	44.838	17	95.4	57.99	17	93.8	F2		GC	1063K	C -25 338
52		8.4Q	50 45.255	0.0057	18	-25 2 50.82	0.025	18	0.87	44.996	22	04.2	51.99	22	03.6			GC	1064K	C -25 338
53		9.3R	50 51.370	-0.0057	18	-23 13 4.35	-0.116	18	0.33	51.462	16	33.7	2.46	16	33.7	K0	J	14	421	E -23 339
54		8.4R	51 6.660	0.0153	18	-22 28 24.47	-0.105	18	0.33	6.410	16	33.7	22.75	16	33.7	G5	J	14	422	E -22 291
55		8.3R	51 7.926	0.0142	18	-24 17 52.90	-0.245	18	0.33	7.695	16	33.7	48.90	16	33.7	G5	J	14	423	E -24 378
56		8.6R	51 12.675	-0.0017	12	-29 13 54.75	-0.052	12	0.25	12.703	16	33.7	53.91	16	33.7	F5	J	13B	317	J -29 254
57		9.0R	51 13.919	0.0081	20	-26 43 29.44	-0.005	20	0.36	13.787	16	33.7	29.36	16	33.7	K0	J	14	424	E -27 285
58		8.1R	51 23.826	-0.0023	12	-28 48 56.68	-0.003	12	0.25	23.864	16	33.7	56.63	16	33.7	K5	J	13B	319	J -29 255
59		8.5A	51 27.455	0.0011	17	-21 33 39.15	0.004	12	0.28	27.437	16	33.7	39.21	16	33.7	K0	J	13A	228	A -22 152
60		8.0R	51 30.070	0.0019	12	-29 4 33.76	-0.040	12	0.25	30.039	16	33.7	33.11	16	33.7	K5	J	13B	320	J -29 258
61		8.8R	51 32.538	0.0033	15	-25 18 47.90	-0.035	15	0.29	32.483	16	33.7	47.34	16	33.7	F0	J	14	425	E -25 343
62		8.9R	51 33.244	0.0013	20	-25 18 55.36	-0.012	20	0.36	33.223	16	33.7	55.17	16	33.7	F0	J	14	426	E -25 344
63		9.1R	51 35.259	-0.0009	12	-25 15 55.39	-0.019	12	0.25	35.274	16	33.7	55.09	16	33.7	G	J	14	427	E -25 345
64		9.2R	51 40.277	-0.0002	18	-23 52 13.67	-0.020	18	0.33	40.280	16	33.7	13.34	16	33.7	F8	J	14	428	E -24 383
65		9.2R	51 43.365	0.0000	20	-24 53 54.85	0.049	20	0.36	43.365	16	33.7	55.65	16	33.7	K0	J	14	429	E -25 347
66		9.0R	51 46.103	0.0006	18	-23 9 23.88	-0.013	18	0.33	46.093	16	33.7	23.67	16	33.7	G0	J	14	430	E -23 344
67		9.4R	51 52.291	0.0010	18	-22 12 12.13	0.009	18	0.33	52.275	16	33.7	12.27	16	33.7	G0	J	14	431	E -22 293
68		9.6R	51 59.117	-0.0025	20	-25 6 52.28	0.031	20	0.36	59.157	16	33.7	52.79	16	33.7	K0	J	14	432	E -25 349
69		9.5R	52 2.752	-0.0038	20	-22 35 17.47	0.036	20	0.36	2.814	16	33.7	18.05	16	33.7	G0	J	14	433	E -22 295
70		8.4R	52 11.865	0.0017	18	-21 44 38.08	-0.016	18	0.33	11.837	16	33.7	37.81	16	33.7	K2	J	14	434	E -22 297
71		9.3R	52 12.644	0.0014	18	-22 43 19.43	0.007	18	0.33	12.622	16	33.7	19.54	16	33.7	G0	J	14	435	E -23 346
72		8.4R	52 16.253	0.0005	18	-24 11 27.68	-0.033	18	0.33	16.245	16	33.7	27.14	16	33.7	K0	J	14	436	E -24 389
73		9.6R	52 18.521	-0.0009	18	-22 30 13.58	0.031	18	0.33	18.536	16	33.7	14.08	16	33.7	G0	J	14	437	E -22 299
74		9.1R	52 21.285	0.0033	18	-23 14 38.80	0.000	18	0.33	21.232	16	33.7	38.80	16	33.7	G5	J	14	438	E -23 348
75		9.4R	52 24.049	0.0040	18	-21 59 48.48	-0.057	18	0.33	23.984	16	33.7	47.54	16	33.7	G0	J	14	439	E -22 301
76		9.4R	52 42.448	0.0002	18	-21 55 38.87	0.010	18	0.33	42.444	16	33.7	39.03	16	33.7	G5	J	14	440	E -22 302
77		9.5R	52 45.215	-0.0021	15	-21 41 4.77	-0.015	15	0.29	45.248	16	33.7	4.51	16	33.7	G5	J	14	441	E -22 303
78		8.8R	52 48.373	0.0040	15	-25 52 35.25	0.020	15	0.29	48.307	16	33.7	35.57	16	33.7	G5	J	14	442	E -26 294
79		9.4R	52 50.015	0.0062	18	-22 18 19.85	0.083	18	0.33	49.914	16	33.7	21.20	16	33.7	K2	J	14	443	E -22 304
80		8.1R	52 51.341	-0.0050	18	-22 12 11.10	-0.010	18	0.33	51.422	16	33.7	10.93	16	33.7	K0	J	14	444	E -22 305
81		9.4R	52 53.979	0.0009	20	-25 38 32.86	-0.042	20	0.36	53.964	16	33.7	32.17	16	33.7	G5	J	14	445	E -26 295
82		7.3T	52 56.055	0.0038	12	-24 55 50.92	-0.009	12	0.66	55.859	15	98.5	50.44	18	97.4	G5		GC	1101	C -25 355
83		8.5R	53 16.480	-0.0006	18	-26 15 6.51	-0.003	18	0.33	16.490	16	33.7	6.46	16	33.7	K0	J	14	447	E -26 297
84		9.0R	53 18.564	-0.0012	12	-28 9 50.08	-0.048	12	0.25	18.584	16	33.7	49.30	16	33.7	K0	J	13B	328	J -28 287
85	10.3	9.4W	53 23.043	0.0314	21	-29 56 56.61	0.195	21	0.43	22.490	22	32.4	+ 0.03	21	32.4	K5		C7	332	C -30 277
86		6.2T	53 30.065	-0.0001	08	-28 2 46.29	0.007	09	0.37	30.068	09	07.7	46.61	10	07.2	M0		GC	1110	C -28 288
87		9.4R	53 31.617	-0.0022	18	-22 44 52.82	-0.020	18	0.33	31.853	16	33.7	52.49	16	33.7	F8	J	14	449	E -23 356
88		8.6A	53 36.105	-0.0026	18	-20 58 21.98	0.024	15	0.31	36.147	16	33.7	22.38	16	33.7	F8	J	13A	238	A -21 136
89		8.2R	53 40.281	0.0016	20	-26 37 4.00	0.056	20	0.36	40.256	16	33.7	4.91	16	33.7	K0	J	14	450	E -27 299
90		9.2R	53 41.515	-0.0009	15	-22 45 37.27	-0.020	15	0.29	41.529	16	33.7	36.94	16	33.7	F5	J	14	451	E -23 358
91		9.5R	53 43.025	-0.0006	18	-24 6 31.37	0.015	18	0.33	43.034	16	33.7	31.61	16	33.7	G0	J	14	452	E -24 401
92		7.7R	53 52.554	0.0003	15	-25 49 26.77	-0.031	15	0.29	52.550	16	33.7	26.26	16	33.7	M2	J	14	453	E -26 300
93		9.1R	54 1.378	-0.0007	12	-28 55 34.77	-0.024	12	0.25	1.390	16	33.7	34.38	16	33.7	G5	J	13B	332	J -29 270
94		9.2A	54 1.690	0.0037	17	-20 8 10.74	0.011	12	0.28	1.630	16	33.7	10.92	16	33.7	G0	J	13A	239	A -20 168
95		9.4R	54 4.406	0.0067	15	-27 29 53.18	0.018	15	0.29	4.296	16	33.7	53.49	16	33.7	G0	J	13B	333	J -27 303
96		9.1R	54 9.870	-0.0102	18	-24 18 24.93	-0.107	18	0.33	10.035	16	33.7	23.18	16	33.7	K0	J	14	454	E -24 407
97		8.7R	54 10.932	0.0012	18	-23 55 41.09	0.064	18	0.33	10.912	16	33.7	42.13	16	33.7	F8	J	14	455	E -24 408
98		9.4R	54 16.876	-0.0033	20	-27 30 13.72	-0.014	20	0.36	16.930	16	33.7	13.49	16	33.7	K5	J	13B	335	J -27 304
99		7.2T	54 22.864	-0.0031	07	-25 38 0.92	0.014	07	0.33	22.732	10	07.2	1.51	12	06.9	A2		GC	1131	C -26 303
00		9.0R	54 44.304	-0.0011	12	-29 37 52.84	-0.046	12	0.25	44.322	16	33.7	52.09	16	33.7	K0	J	13B	337	J -30 287

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NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	EPOCH 1950 μ s	σ_μ ″.001	EPOCH 1950 δ_{1950} ° ′ ″	EPOCH 1950 μ' ″	σ'_μ ″.001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	DM NUMBER
1		9.0R	0 54 54.931	-0.0014	20	-26 28 5.95	-0.032	20	0.36	54.955	16	33.7	5.42	16	33.7	K0 J	14	457	E -26 305
2		9.0R	54 57.743	-0.0005	20	-26 12 23.49	0.065	20	0.36	57.752	16	33.7	24.54	16	33.7	K5 J	14	459	E -26 306
3		10.0R	55 0.258	-0.0012	18	-24 24 21.94	0.022	18	0.33	0.277	16	33.7	22.29	16	33.7	G0 J	14	460	E -24 411
4		8.9A	55 9.174	0.0040	18	-20 14 1.19	0.000	15	0.31	9.109	16	33.7	1.19	16	33.7	F8 J	13A	243	A -20 172
5		8.8R	55 17.976	0.0004	20	-26 29 34.49	0.033	20	0.36	17.969	16	33.7	35.02	16	33.7	F0 J	14	461	E -26 311
6		8.8R	55 24.730	-0.0017	20	-28 29 18.18	-0.022	20	0.36	24.758	16	33.7	17.81	16	33.7	F8 J	13B	341	J -28 297
7		8.7R	55 26.886	-0.0005	12	-28 19 53.76	0.017	12	0.25	26.894	16	33.7	54.04	16	33.7	K5 J	13B	342	J -28 299
8		9.0R	55 29.177	-0.0022	20	-29 47 49.02	0.020	20	0.36	29.213	16	33.7	49.35	16	33.7	K5 J	13B	343	J -30 291
9		9.3R	55 30.399	-0.0022	20	-25 7 19.26	-0.015	20	0.36	30.434	16	33.7	19.02	16	33.7	K0 J	14	462	E -25 374
10		7.8A	55 30.451	-0.0014	17	-20 56 44.37	-0.038	12	0.28	30.473	16	33.7	43.76	16	33.7	F0 J	13A	245	A -21 141
11		7.8R	55 33.475	-0.0027	12	-22 51 55.64	-0.032	12	0.25	33.518	16	33.7	55.12	16	33.7	K5 J	14	463	E -23 367
12		8.7A	55 41.532	-0.0037	18	-21 26 56.53	-0.017	12	0.30	41.592	16	33.7	56.26	16	33.7	F5 J	13A	246	A -21 142
13		8.0T	55 46.550	0.0014	15	-26 8 46.54	0.020	13	0.73	46.482	18	00.5	47.55	19	98.5	K0	GC	1166	C -26 314
14		7.7R	55 51.580	-0.0000	20	-27 21 43.98	-0.012	20	0.36	51.581	16	33.7	43.77	16	33.7	K2 J	13B	344	J -27 308
15		9.3R	56 6.999	-0.0010	17	-24 11 19.64	0.027	17	0.31	7.016	16	33.7	20.07	16	33.7	K0 J	14	465	E -24 418
16		4.4H	56 11.882	0.0013	02	-29 37 38.43	0.005	02	0.08	11.834	03	13.9	38.61	04	11.5	B5	F4	35	C -30 297
17		8.9R	56 14.485	0.0082	20	-27 5 5.23	-0.095	20	0.36	14.351	16	33.7	3.69	16	33.7	G0 J	13B	346	J -27 309
18		9.2R	56 35.929	-0.0005	20	-26 47 49.77	0.003	20	0.36	35.937	16	33.7	49.83	16	33.7	F5 J	13B	347	J -27 312
19		8.6R	56 36.794	0.0006	17	-29 40 17.49	-0.001	17	0.31	36.784	16	33.7	17.48	16	33.7	A2 J	13B	348	J -30 299
20		9.3R	56 37.885	0.0012	20	-26 12 54.58	0.014	20	0.36	37.866	16	33.7	54.80	16	33.7	G0 J	14	467	E -26 318
21		8.9R	56 37.971	0.0054	20	-23 57 37.01	-0.079	20	0.36	37.883	16	33.7	35.72	16	33.7	G0 J	14	466	E -24 420
22		8.6R	56 42.137	-0.0027	20	-25 13 24.01	0.013	20	0.36	42.181	16	33.7	24.23	16	33.7	K0 J	14	468	E -25 382
23		9.4R	56 56.160	-0.0037	17	-26 35 50.23	0.027	17	0.31	56.220	16	33.7	50.68	16	33.7	F5 J	14	469	E -27 315
24		9.2R	57 4.019	0.0029	20	-28 4 7.86	-0.000	20	0.36	3.972	16	33.7	7.85	16	33.7	K2 J	13B	351	J -28 306
25		9.4R	57 15.811	-0.0020	15	-22 52 29.82	-0.006	15	0.29	15.843	16	33.7	29.72	16	33.7	G0 J	14	470	E -23 374
26		9.4R	57 15.901	-0.0074	18	-23 58 6.77	-0.101	18	0.33	16.021	16	33.7	5.12	16	33.7	G5 J	14	471	E -24 426
27		8.3R	57 24.358	0.0002	20	-24 49 17.32	0.054	20	0.36	24.356	16	33.7	18.19	16	33.7	K0 J	14	472	E -25 388
28		8.1R	57 24.738	0.0041	20	-26 8 7.83	-0.088	20	0.36	24.671	16	33.7	6.39	16	33.7	F8 J	14	473	E -26 321
29		9.3R	57 26.156	-0.0026	12	-25 51 33.78	-0.035	12	0.25	26.199	16	33.7	33.20	16	33.7	G0 J	14	474	E -26 322
30		9.0A	57 26.735	-0.0006	18	-20 43 38.48	-0.006	13	0.30	26.745	16	33.7	38.39	16	33.7	G0 J	13A	253	A -21 147
31		8.5R	57 27.715	0.0027	20	-24 42 22.15	0.016	20	0.36	27.671	16	33.7	22.40	16	33.7	F8 J	14	475	E -25 389
32		9.5R	57 29.001	-0.0047	20	-25 0 0.09	0.020	20	0.36	29.077	16	33.7	0.42	16	33.7	A7 J	14	477	E -25 390
33		9.0R	57 29.226	0.0040	18	-22 28 49.05	0.114	18	0.33	29.161	16	33.7	50.90	16	33.7	G0 J	14	476	E -22 334
34		8.8A	57 37.665	0.0010	18	-21 19 47.34	-0.005	15	0.31	37.649	16	33.7	47.27	16	33.7	K2 J	13A	255	A -21 148
35		9.0R	57 43.056	-0.0021	22	-22 28 2.69	-0.071	22	0.40	43.091	16	33.7	1.52	16	33.7	K7 J	14	478	E -22 337
36		8.8A	57 50.931	0.0070	20	-20 32 43.20	-0.112	15	0.33	50.818	16	33.7	41.38	16	33.7	G0 J	13A	256	A -21 149
37		8.6R	57 57.140	-0.0025	20	-25 22 13.62	0.060	20	0.36	57.180	16	33.7	14.60	16	33.7	F8 J	14	481	E -25 394
38		9.9R	58 0.883	-0.0043	18	-22 59 2.22	-0.047	18	0.33	0.953	16	33.7	1.45	16	33.7	F8 J	14	482	E -23 375
39		9.2R	58 1.032	0.0088	20	-27 10 38.50	0.051	20	0.36	0.888	16	33.7	39.34	16	33.7	F8 J	13B	357	J -27 322
40		7.5R	58 7.779	0.0039	20	-26 1 3.59	-0.051	20	0.36	7.716	16	33.7	2.76	16	33.7	G5 J	14	483	E -26 326
41		9.1R	58 11.851	-0.0026	17	-26 54 18.94	-0.100	17	0.31	11.894	16	33.7	17.32	16	33.7	K0 J	13B	358	J -27 323
42		7.4A	58 12.564	0.0011	18	-20 21 34.42	-0.005	13	0.30	12.546	16	33.7	34.37	16	33.7	K0 J	13A	261	A -20 181
43		8.1R	58 13.037	0.0005	18	-25 33 8.93	-0.033	18	0.33	13.028	16	33.7	8.41	16	33.7	K0 J	14	484	E -26 327
44		8.6R	58 18.333	-0.0028	15	-24 32 26.64	0.016	15	0.29	18.378	16	33.7	26.69	16	33.7	F5 J	14	485	E -24 435
45		8.7R	58 22.317	-0.0051	20	-27 29 1.57	-0.007	20	0.36	22.401	16	33.7	1.44	16	33.7	K5 J	13B	359	J -27 326
46		8.9R	58 25.917	0.0077	15	-24 41 33.88	0.015	15	0.29	25.792	16	33.7	34.12	16	33.7	G0 J	14	486	E -25 397
47		9.5R	58 29.683	0.0006	20	-24 10 34.67	0.038	20	0.36	29.672	16	33.7	35.28	16	33.7	G5 J	14	487	E -24 438
48		8.4R	58 40.325	-0.0018	12	-25 1 1.13	-0.004	12	0.25	40.352	16	33.7	1.07	16	33.7	G0 J	14	488	E -25 399
49		9.4R	58 44.600	-0.0029	20	-26 1 50.49	0.022	20	0.36	44.648	16	33.7	50.84	16	33.7	F5 J	14	489	E -26 331
50		9.5R	58 49.703	-0.0002	18	-24 39 22.50	-0.044	18	0.33	49.707	16	33.7	21.79	16	33.7	K7 J	14	490	E -25 400
51		9.5R	58 50.092	0.0008	12	-28 3 46.16	0.007	12	0.25	50.080	16	33.7	46.28	16	33.7	F5 J	13B	361	J -28 312
52		8.6R	58 51.391	0.0010	12	-29 9 10.59	-0.048	12	0.25	51.375	16	33.7	9.81	16	33.7	K0 J	13B	362	J -29 298
53		9.5R	58 56.176	0.0014	18	-23 22 13.94	0.000	18	0.33	58.153	16	33.7	13.94	16	33.7	F2 J	14	491	E -23 377
54		9.4R	59 2.635	-0.0041	18	-23 4 29.08	-0.010	18	0.33	2.703	16	33.7	28.92	16	33.7	F5 J	14	492	E -23 378
55		9.2R	59 4.257	0.0041	18	-21 43 16.40	-0.040	18	0.33	4.190	16	33.7	15.74	16	33.7	G0 J	14	493	E -22 349
56		8.5R	59 5.143	0.0006	12	-27 43 11.43	-0.041	12	0.25	5.133	16	33.7	10.76	16	33.7	K5 J	13B	364	J -28 314
57		8.0T	59 22.870	-0.0002	22	-23 39 20.32	-0.075	18	0.98	22.881	22	04.0	16.70	21	02.0	K2	GC	1240	C -24 446
58		9.3R	59 23.928	-0.0004	18	-26 9 22.03	-0.068	18	0.33	23.935	16	33.7	20.59	16	33.7	A5 J	14	495	E -26 334
59		8.0R	59 44.242	-0.0003	18	-21 52 39.70	0.010	18	0.33	44.246	16	33.7	39.65	16	33.7	K0 J	14	496	E -22 357
60		9.5R	59 47.988	-0.0012	15	-24 10 51.93	-0.016	15	0.29	48.007	16	33.7	51.66	16	33.7	G5 J	14	497	E -24 453
61		7.1R	1 0 0.094	0.0166	18	-21 52 42.58	-0.000	18	0.33	-59.823	16	33.7	42.57	16	33.7	G5 J	14	498	E -22 358
62		9.5R	0 11.373	-0.0090	18	-23 19 47.25	-0.064	18	0.33	11.521	16	33.7	46.21	16	33.7	G5 J	14	499	E -23 362
63		9.2R	0 13.408	0.0205	12	-25 34 34.91	-0.025	12	0.25	13.074	16	33.7	34.50	16	33.7	K0 J	14	500	E -25 410
64		8.8A	0 14.137	0.0001	00	-20 48 16.95	-0.005	13	0.22	14.135	16	33.7	16.88	16	33.7	K5 J	13A	267	A -21 158
65		9.4R	0 21.119	-0.0026	18	-27 15 32.73	-0.036	18	0.33	21.161	16	33.7	32.14	16	33.7	F8 J	13B	372	J -27 340
66		9.0R	0 30.502	-0.0002	15	-24 21 59.11	-0.021	15	0.29	30.505	16	33.7	58.76	16	33.7	G5 J	14	501	E -24 457
67		8.9R	0 30.645	-0.0022	18	-24 9 6.91	-0.053	18	0.33	30.681	16	33.7	6.04	16	33.7	G0 J	14	502	E -24 458
68		8.8R	0 31.311	0.0004	12	-27 53 8.06	-0.073	12	0.25	31.304	16	33.7	6.86	16	33.7	G5 J	13B	374	J -28 318
69		8.4R	0 46.343	-0.0039	18	-23 26 55.73	-0.061	18	0.33	46.407	16	33.7	54.73	16	33.7	F5 J	14	503	E -23 383
70		8.4R	0 47.609	0.0012	12	-27 22 36.01	-0.046	12	0.25	47.590	16	33.7	35.27	16	33.7	K2 J	13B	375	J -27 341
71		7.8R	0 50.527	0.0064	12	-26 26 51.19	-0.057	12	0.25	50.423	16	33.7	50.28	16	33.7	G5 J	14	504	E -26 343
72		9.0R	0 52.708	-0.0022	20	-26 15 16.01	0.032	20	0.36	52.744	16	33.7	16.53	16	33.7	K5 J	14	505	E -26 344
73		7.9R	0 54.036	-0.0023	12	-28 8 53.93	-0.019	12	0.25	54.073	16	33.7	53.61	16	33.7	G0 J	13B	376	J -28 322
74		6.4T	0 54.466	-0.0089	10	-29 47 37.60	-0.026	09	0.55	54.954	17	95.3	36.13	18	93.4	G0	GC	1270	C -30 325
75		9.6R	0 58.866	-0.0008	15	-22 33 32.40	0.024	15	0.29	58.879	16	33.7	32.79	16	33.7	G0 J	14	506	E -22 365
76		9.6R	1 42.118	-0.0010	18	-22 22 36.44	0.003	18	0.33	42.134	16	33.7	36.48	16	33.7	K0 J	14	507	E -22 373
77		8.6R	1 53.369	0.0039	18	-24 32 30.09	-0.036	18	0.33	53.306	16	33.7	29.50	16	33.7	F8 J	14	509	E -24 471
78		8.9R	1 53.785	-0.0008	18	-27 25 22.76	-0.029	18	0.33	53.799	16	33.7	22.28	16	33.7	A2 J	13B	380	J -27 345
79		9.1R	1 59.091	-0.0024	18	-22 45 4.13	-0.011	18	0.33	59.130	16	33.7	3.95	16	33.7	F2 J	14	510	E -23 388
80		9.3R	1 59.275	-0.0025	18	-25 52 7.02	-0.336	18	0.33	59.317	16	33.7	1.55	16	33.7	K2 J	14	511	E -25 348
81		9.1A	2 2.577	-0.0001	00	-21 9 34.44	0.026	13	0.22	2.578	16	33.7	34.87	16	33.7	K0 J	13A	272	A -21 162
82		9.3R	2 11.936	0.0009	15	-24 5 1.58	-0.003	15	0.29	11.921	16	33.7	1.53	16	33.7	G0 J	14	512	E -24 472
83		8.4R	2 12.779	0.0020	15	-22 46 18.99	0.001	15	0.29	12.747	16	33.7	19.01	16	33.7	K0 J	14	513	E -23 390
84		8.9A	2 15.939	0.0002	18	-21 15 19.78	-0.019	15	0.31	15.936	16	33.7	19.48	16	33.7	G5 J	13A	275	A -21 163
85		7.5A	2 22.735	-0.0030	18	-21 0 1.29	0.000	13	0.30	22.784	16	33.7	1.30	16	33.7	F5 J	13A	277	A -21 165
86		8.5R	2 24.030	0.0017	15	-24 7 33.31	0.004	15	0.29	24.002	16	33.7	33.37	16	33.7	K0 J	14	514	E -24 474
87		9.3R	2 38.460	0.0031	20	-25 43 42.92	-0.026	20	0.36	38.410	16	33.7	42.49	16	33.7	G0 J	14	515	E -26 352
88		8.7A	2 46.040	-0.0008	18	-20 7 20.94	-0.005	13	0.30	46.053	16	33.7	20.86	16	33.7	A2 J	13A	278K	A -20 191
89		7.9R	3 2.359	0.0027	12	-28 35 16.28	0.006	12	0.25	2.316	16	33.7	16.38	16	33.7	K0 J	13B	385	J -28 336
90		8.1T	3 10.366	0.0010	13	-27 13 19.16	-0.048	13	0.71	10.315	21	99.1	16.66	19	97.5	F0	GC	1315	C -27 352
91		8.1R	3 21.952	0.0091	18	-23 51 39.20	0.024	18	0.33	21.803	16	33.7	39.58	16	33.7	F8 J	14	516	E -24 480
92		8.2R	3 24.362	0.0083	18	-26 34 25.69	-0.077	18	0.33	24.228	16	33.7	24.45	16	33.7	G0 J	14	518	E -26 356
93		8.9R	3 24.649	0.0004	20	-26 55 46.58	0.002	20	0.36	24.643	16	33.7	46.62	16	33.7	G5 J	13B	388	J -27 353
94		8.1R	3 24.763	0.0003	18	-21 50 2.51	0.046	18	0.33	24.758	16	33.7	3.25	16	33.7	A5 J	14	517	E -22 379
95		9.2R	3 27.452	0.0072	20	-25 44 56.92	0.064	20	0.36	27.335	16	33.7	57.96	16	33.7	F0 J	14	519	E -26 357
96		8.0R	3 31.516	-0.0036	20	-26 59 46.24	-0.046	20	0.36	31.575	16	33.7	45.50	16	33.7	A2 J	13B	389	J -27 355
97		9.1R	3 33.146	-0.0027	12	-27 51 43.60	0.005	12	0.25	33.190	16	33.7	43.67	16	33.7	F0 J	13B	390	J -28 344
98		9.3R	3 35.279	0.0132	18	-22 43 8.63	-0.101	18	0.33	35.065	16	33.7	6.98	16	33.7	K5 J	14	520	E -23 395
99		6.3H	3 42.452	-0.0022	02	-24 15 33.64	-0.041	03	0.09	42.509	05	23.7	32.43	05	20.5	G5	F4	1029	C -24 484
100		8.7A	3 48.498	-0.0040	18	-20 19 38.02	-0.038	15	0.31	48.563	16	33.7	37.40	16	33.7	G0 J	13A	283	A -20 196

166800 — EPOCH 1950 — ORIGINAL EPOCH — -20° 1H

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	DM NUMBER
1		9.0R	1 3 54.206	0.0032	18	-21 56 29.89	-0.072	18	0.33	54.155	16	33.7	28.71	16	33.7	K0 J	14	522	E -22 383
2		8.8A	4 2.294	0.0053	18	-20 19 29.68	0.001	00	0.26	2.208	16	33.7	29.69	16	33.7	F8 J	13A	285	A -20 198
3		9.1R	4 4.270	0.0027	18	-22 19 33.65	0.019	18	0.33	4.225	16	33.7	53.95	16	33.7	F8 J	14	523	E -22 385
4		8.5R	4 14.315	0.0030	15	-25 24 9.44	0.014	15	0.29	14.266	16	33.7	9.68	16	33.7	K0 J	14	524	E -25 431
5		9.5R	4 18.867	-0.0012	18	-22 17 10.50	0.037	18	0.33	18.886	16	33.7	11.09	16	33.7	F2 J	14	525	E -22 388
6		7.3R	4 23.395	-0.0032	18	-23 7 19.05	-0.086	18	0.33	23.447	16	33.7	17.65	16	33.7	G5 J	14	526	E -23 403
7		8.3R	4 27.971	0.0026	18	-22 33 4.41	0.005	18	0.33	27.928	16	33.7	4.49	16	33.7	F5 J	14	527	E -22 391
8		8.9R	4 34.091	-0.0005	15	-23 30 47.54	-0.006	15	0.29	34.099	16	33.7	47.44	16	33.7	K2 J	14	528	E -23 404
9		9.1R	4 34.803	0.0021	18	-24 7 54.26	0.006	18	0.33	34.768	16	33.7	54.35	16	33.7	G5 J	14	529	E -24 493
10		9.1R	4 37.156	0.0007	18	-26 52 55.29	-0.029	18	0.33	37.144	16	33.7	54.82	16	33.7	K5 J	13B	394	J -27 360
11	9.5	9.4W	4 38.008	0.0004	21	-29 52 55.59	0.019	21	0.44	38.000	22	31.9	55.92	21	31.9	A2	C7	395	C -30 348
12		9.3R	4 38.762	-0.0048	12	-24 54 49.85	-0.050	12	0.25	38.841	16	33.7	49.03	16	33.7	G0 J	14	530	E -25 437
13		7.6T	4 46.323	0.0015	13	-25 7 20.09	-0.014	14	0.70	46.250	18	99.9	19.42	19	01.0	K0	GC	1356	C -25 438
14		6.3T	4 47.454	0.0070	11	-24 15 46.53	-0.032	10	0.60	47.081	15	96.4	44.70	17	93.6	A2	GC	1357	C -24 496
15		9.6R	4 55.750	0.0056	12	-25 29 1.10	0.054	12	0.25	55.659	16	33.7	1.98	16	33.7	G0 J	14	533	E -25 440
16		8.4R	5 11.324	-0.0007	20	-29 33 13.85	0.025	20	0.36	11.335	16	33.7	14.26	16	33.7	A7 J	13B	396	J -29 334
17		8.2R	5 12.634	-0.0003	17	-28 58 17.33	0.035	17	0.31	12.640	16	33.7	17.90	16	33.7	A2 J	13B	397	J -29 335
18		9.0A	5 13.395	-0.0000	18	-20 39 36.99	-0.027	15	0.31	13.395	16	33.7	36.56	16	33.7	G5 J	13A	287	A -21 175
19		7.8R	5 14.296	0.0042	17	-27 59 19.18	0.046	17	0.31	14.228	16	33.7	19.92	16	33.7	G5 J	13B	398	J -28 348
20		9.0R	5 15.896	0.0000	22	-24 13 54.82	-0.057	22	0.40	15.895	16	33.7	53.89	16	33.7	G5 J	14	535	E -24 498
21		9.6R	5 16.058	-0.0005	15	-22 5 8.98	-0.001	15	0.29	16.066	16	33.7	8.95	16	33.7	G5 J	14	534	E -22 396
22		9.5R	5 17.972	0.0043	20	-26 41 34.37	-0.170	20	0.36	17.902	16	33.7	31.59	16	33.7	F5 J	14	536	E -27 363
23		8.3R	5 23.059	-0.0008	20	-27 15 13.35	0.034	20	0.36	23.072	16	33.7	13.90	16	33.7	G5 J	13B	399	J -27 365
24		8.7R	5 23.951	0.0025	12	-28 49 38.55	0.022	12	0.25	23.910	16	33.7	38.91	16	33.7	K0 J	13B	400	J -29 336
25		8.5R	5 29.946	-0.0003	15	-24 52 20.35	-0.002	15	0.29	29.950	16	33.7	20.32	16	33.7	M0 J	14	537	E -25 444
26		9.2R	5 36.485	0.0005	18	-22 26 22.19	0.050	18	0.33	36.477	16	33.7	23.00	16	33.7	F8 J	14	538	E -22 399
27		8.9R	5 38.452	0.0006	18	-21 52 57.63	-0.005	18	0.33	38.442	16	33.7	57.54	16	33.7	K2 J	14	539	E*-22 400
28		9.1R	5 58.800	0.0020	18	-21 47 19.83	-0.038	18	0.33	58.767	16	33.7	19.20	16	33.7	K2 J	14	540	E -22 401
29		9.4R	5 59.420	-0.0038	12	-24 37 56.95	0.002	12	0.25	59.481	16	33.7	56.98	16	33.7	G0 J	14	541	E -25 446
30		8.1R	6 3.032	0.0126	18	-24 30 17.68	0.122	18	0.33	2.827	16	33.7	19.66	16	33.7	F8 J	14	542	E -24 503
31		9.0R	6 4.779	-0.0063	20	-22 24 0.09	-0.016	20	0.36	4.881	16	33.7	59.82	16	33.7	A5 J	14	543	E -22 404
32		8.9R	6 10.666	-0.0018	12	-24 52 7.02	-0.023	12	0.25	10.696	16	33.7	6.64	16	33.7	K0 J	14	545	E -25 447
33		8.0R	6 21.181	0.0068	15	-26 7 41.48	-0.006	15	0.29	21.071	16	33.7	41.38	16	33.7	G5P J	14	546	E -26 369
34	8.5	8.2W	6 29.013	0.0007	21	-29 53 19.07	-0.036	21	0.44	29.000	22	31.9	18.42	21	31.9	F5	C7	407	C -30 360
35		9.5R	6 32.726	-0.0017	18	-21 48 16.54	-0.135	18	0.33	32.754	16	33.7	14.33	16	33.7	G5 J	14	547	E*-22 405
36		9.1A	6 34.316	0.0077	20	-20 29 25.54	0.027	15	0.33	34.190	16	33.7	25.98	16	33.7	G5 J	13A	296	A -20 208
37		8.4R	6 38.090	0.0004	15	-25 48 8.55	-0.023	15	0.29	38.083	16	33.7	8.17	16	33.7	G5 J	14	549	E -26 372
38		8.9R	6 42.849	-0.0012	18	-22 16 46.93	0.006	18	0.33	42.868	16	33.7	47.02	16	33.7	K5 J	14	550	E -22 406
39		9.2R	6 43.725	0.0017	18	-23 40 6.56	-0.015	18	0.33	43.697	16	33.7	6.31	16	33.7	G0 J	14	551	E -24 510
40		9.0R	6 50.873	0.0012	12	-28 22 53.21	0.018	12	0.25	50.853	16	33.7	53.51	16	33.7	K0 J	13B	404	J -28 356
41		9.6R	7 7.631	0.0021	15	-24 12 30.57	0.035	15	0.29	7.597	16	33.7	31.13	16	33.7	G5 J	14	552	E -24 515
42		9.1R	7 15.078	-0.0014	18	-27 6 49.40	-0.005	18	0.33	15.102	16	33.7	49.31	16	33.7	F5 J	13B	405	J -27 375
43		8.9R	7 17.836	0.0055	18	-22 36 57.16	0.007	18	0.33	17.746	16	33.7	57.27	16	33.7	F5 J	14	553	E -23 419
44		8.4R	7 27.348	-0.0000	12	-22 2 12.21	0.014	12	0.25	27.349	16	33.7	12.44	16	33.7	G0 J	13B	406	J -29 353
45		9.3R	7 35.348	-0.0003	18	-25 41 55.77	-0.004	18	0.33	35.353	16	33.7	55.70	16	33.7	F0 J	14	554	E -26 376
46		7.4T	7 39.416	-0.0022	10	-26 27 34.92	-0.013	11	0.60	39.533	15	97.2	34.20	18	96.1	K0	GC	1417	C -26 377
47		9.4A	7 54.181	0.0001	00	-20 18 29.13	0.014	13	0.22	54.179	16	33.7	29.35	16	33.7	K7 J	13A	302	A -20 211
48		9.0R	7 58.615	0.0026	18	-23 2 28.60	0.002	18	0.33	58.572	16	33.7	28.63	16	33.7	F5 J	14	556	E -23 429
49		8.7R	8 0.768	0.0016	12	-27 36 55.64	0.017	12	0.25	0.742	16	33.7	55.90	16	33.7	F8 J	13B	407	J -28 358
50		9.0R	8 1.131	-0.0019	15	-25 10 27.74	-0.008	15	0.29	1.161	16	33.7	27.61	16	33.7	G0 J	14	557	E -25 463
51		8.5R	1 8 9.549	0.0020	12	-28 2 40.34	0.032	12	0.25	9.517	16	33.7	40.85	16	33.7	F0 J	13B	408	J -28 359
52		9.2R	8 12.560	-0.0017	15	-24 54 3.23	0.012	15	0.29	12.587	16	33.7	3.42	16	33.7	F5 J	14	558	E -25 465
53		9.7R	8 21.187	0.0004	18	-21 41 4.47	-0.015	18	0.33	21.180	16	33.7	4.22	16	33.7	G0 J	14	559	E -22 410
54		9.2R	8 25.878	-0.0022	15	-24 51 43.39	0.023	15	0.29	25.914	16	33.7	43.76	16	33.7	F2 J	14	560	E -25 466
55		9.6R	8 35.444	-0.0033	18	-22 15 40.44	0.043	18	0.33	35.497	16	33.7	41.13	16	33.7	F0 J	14	561	E -22 412
56		9.5R	8 44.065	0.0046	18	-25 39 5.33	0.006	18	0.33	43.990	16	33.7	5.42	16	33.7	G0 J	14	562	E -26 381
57		9.6R	8 49.903	-0.0005	15	-22 59 19.09	-0.012	15	0.29	49.911	16	33.7	18.89	16	33.7	F8P J	14	563	E -23 430
58		9.3R	9 3.063	-0.0032	17	-29 22 24.22	0.017	17	0.31	3.012	16	33.7	24.50	16	33.7	F5 J	13B	411	J -29 365
59		8.5R	9 3.642	-0.0054	20	-29 45 24.63	0.001	20	0.36	3.730	16	33.7	24.65	16	33.7	K0 J	13B	412	J -30 373
60		8.3R	9 3.954	-0.0006	18	-22 59 39.64	-0.025	18	0.33	3.963	16	33.7	39.23	16	33.7	K2 J	14	564	E -23 432
61		9.1R	9 5.105	0.0005	00	-27 23 24.98	-0.068	20	0.27	5.097	16	33.7	23.87	16	33.7	K0 J	13B	413	J -27 385
62		9.0A	9 5.120	0.0007	18	-20 41 51.28	-0.002	13	0.30	5.109	16	33.7	51.25	16	33.7	F5 J	13A	307	A -21 185
63		9.4R	9 13.548	-0.0017	20	-25 9 19.21	0.010	20	0.36	13.576	16	33.7	19.37	16	33.7	G5 J	14	565	E -25 473
64		8.9R	9 19.018	0.0038	12	-26 13 29.27	0.085	12	0.25	18.957	16	33.7	30.65	16	33.7	G0 J	14	566	E -26 384
65		9.3R	9 25.212	0.0017	18	-22 10 6.50	0.017	18	0.33	25.184	16	33.7	6.77	16	33.7	K5 J	14	567	E -22 415
66		9.2R	9 26.770	0.0026	20	-26 37 18.50	0.007	20	0.36	26.728	16	33.7	18.63	16	33.7	A2 J	14	568	E -27 389
67		9.6R	9 32.172	0.0002	18	-24 31 14.12	0.003	18	0.33	32.169	16	33.7	14.16	16	33.7	F5 J	14	569	E -24 528
68		9.2R	9 42.868	0.0038	18	-23 41 48.33	0.028	18	0.33	42.806	16	33.7	48.78	16	33.7	F8 J	14	570	E -24 529
69		8.7R	9 48.075	0.0005	18	-22 55 51.14	0.031	18	0.33	48.068	16	33.7	51.64	16	33.7	K0 J	14	571	E -23 438
70		8.0R	9 48.276	0.0010	12	-26 34 21.28	0.010	15	0.27	48.261	16	33.7	21.43	16	33.7	G5 J	14	572	E -26 387
71		9.6R	9 55.304	0.0006	18	-24 31 23.50	0.016	18	0.33	55.295	16	33.7	23.76	16	33.7	K2 J	14	573	E -24 531
72		9.3R	10 3.368	-0.0019	18	-22 48 24.54	-0.104	18	0.33	3.418	16	33.7	22.84	16	33.7	F8 J	14	574	E -23 441
73		9.2R	10 3.522	0.0024	18	-24 16 4.71	-0.068	18	0.33	3.482	16	33.7	3.60	16	33.7	G5 J	14	575	E -24 532
74		9.2R	10 5.423	-0.0011	18	-24 11 36.30	0.023	18	0.33	5.440	16	33.7	36.67	16	33.7	K	14	576	E -24 533
75		8.7R	10 5.954	0.0020	12	-29 18 51.87	-0.009	12	0.25	5.922	16	33.7	51.73	16	33.7	K2 J	13B	417	J -29 374
76		7.6A	10 8.511	0.0001	00	-20 43 23.32	-0.017	13	0.22	8.509	16	33.7	23.05	16	33.7	F5 J	13A	313	A -21 188
77		8.4R	10 17.798	0.0102	12	-29 26 40.07	-0.037	12	0.25	17.631	16	33.7	39.47	16	33.7	G5 J	13B	418	J -29 376
78		8.8R	10 21.611	0.0077	12	-25 30 2.61	0.033	12	0.25	21.486	16	33.7	3.14	16	33.7	K5 J	14	577	E -25 480
79	9.7	9.4W	10 35.905	-0.0036	21	-29 57 32.58	0.036	21	0.44	35.970	22	31.9	33.22	21	31.9	G0	C7	426	C -30 378
80		8.5R	10 47.180	0.0010	18	-26 42 26.06	-0.015	18	0.33	47.165	16	33.7	25.82	16	33.7	K2 J	14	578	E -27 393
81		9.3R	11 9.300	-0.0007	18	-24 45 40.86	0.043	18	0.33	9.312	16	33.7	41.55	16	33.7	F8 J	14	579	E -25 485
82		9.4R	11 9.872	-0.0024	15	-25 59 26.77	-0.003	15	0.29	9.911	16	33.7	26.72	16	33.7	F0 J	14	580	E -26 394
83		9.0A	11 13.707	0.0025	18	-20 16 39.28	0.018	13	0.30	13.666	16	33.7	39.57	16	33.7	G5 J	13A	315	A -20 220
84		9.4R	11 21.812	0.0023	18	-22 12 29.88	0.012	18	0.33	21.775	16	33.7	30.06	16	33.7	K2 J	14	581	E -22 425
85		8.6A	11 25.476	0.0001	00	-20 46 40.38	0.038	13	0.22	25.474	16	33.7	41.01	16	33.7	F2 J	13A	317	A -21 191
86		9.0R	11 26.751	0.0015	18	-24 31 18.77	0.025	18	0.33	26.727	16	33.7	19.17	16	33.7	F0 J	14	582	E -24 538
87		9.4R	11 29.990	0.0023	17	-26 3 8.77	0.021	17	0.31	29.953	16	33.7	9.11	16	33.7	G5 J	14	583	E -26 397
88		9.6R	11 33.114	-0.0007	21	-25 3 33.05	0.046	21	0.37	33.125	16	33.7	33.80	16	33.7	K0 J	14	584	E -25 488
89		9.1R	11 40.157	0.0022	20	-29 20 16.78	0.009	20	0.36	40.121	16	33.7	16.93	16	33.7	F8 J	13B	425	J -29 385
90		9.1R	11 43.193	-0.0030	17	-24 43 18.34	0.031	12	0.28	43.241	16	33.7	18.84	16	33.7	G5 J	14	585	E -25 490
91		9.0R	11 44.473	-0.0009	20	-24 40 4.21	0.038	20	0.36	44.487	16	33.7	4.82	16	33.7	K5 J	14	586	E -25 491
92		8.6R	11 55.489	0.0011	15	-24 33 57.30	0.003	15	0.29	55.471	16	33.7	57.34	16	33.7	G0 J	14	587	E -24 540
93		9.4R	11 55.615	-0.0061	20	-27 29 34.20	-0.022	20	0.36	55.715	16	33.7	33.84	16	33.7	G0 J	13B	427	J -27 400
94		9.0R	11 57.287	-0.0013	20	-28 49 59.09	-0.066	20	0.36	57.307	16	33.7	58.02	16	33.7	K2 J	13B	428	J -29 386
95		8.8R	11 57.351	-0.0022	18	-23 16 53.17	-0.080	18	0.33	57.388	16	33.7	51.87	16	33.7	G5 J	14	588	E -23 454
96		9.2R	12 3.044	0.0015	18	-24 5 52.27	-0.030	18	0.33	3.020	16	33.7	51.78	16	33.7	G5 J	14	589	E -24 542
97		9.1R	12 4.379	0.0027	20	-28 4 22.92	-0.015	17	0.33	4.336	16	33.8	22.66	16	33.8	K5 J	13B	429	J -28 378
98		8.2R	12 4.971	0.0003	18	-22 42 40.63	-0.033	18	0.33	4.966	16	33.7	40.09	16	33.7	K2 J	14	590	E -23 457
99		9.2R	12 5.870	-0.0003	18	-23 26 41.19	0.017	18	0.33	5.876	16	33.8	41.46	16	33.8	K5 J	14	591	E -23 456
00	11.0	10.9W	12 7.988	0.0032	21	-29 53 20.03	0.039	21	0.44	7.930	22	31.9	20.72	21	31.9		C7	440	C -30 393

166900

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	σ_μ ″.001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	-20° 1H DM NUMBER
1		9.3A	1 12 12.676	-0.0005	15	-20 38 16.01	0.002	11	0.26	12.685	16	33.8	16.05	16	33.8	K7 J	13A	318	A -21 193
2		8.2R	12 18.007	0.0002	18	-22 47 26.72	-0.023	18	0.33	18.005	16	33.8	26.35	16	33.8	K2 J	14	592	E -23 458
3		8.4R	12 25.105	0.0015	17	-29 39 18.38	0.021	17	0.31	25.080	16	33.8	18.72	16	33.8	G0 J	13B	432	J -30 396
4		7.9R	12 43.112	0.0052	18	-23 9 49.05	0.004	18	0.33	43.027	16	33.8	49.09	16	33.8	G0 J	14	593	E -23 461
5		7.5R	12 49.366	0.0010	18	-22 33 40.19	0.016	18	0.33	49.350	16	33.8	40.45	16	33.8	G5 J	14	594	E -22 437
6	9.9	9.6W	12 54.826	0.0047	21	-29 50 15.87	-0.036	21	0.44	54.740	22	31.9	15.22	21	31.9	G0	C7	442	C -30 400
7		9.0R	12 56.441	0.0022	18	-23 11 7.05	-0.006	18	0.33	56.406	16	33.8	6.95	16	33.8	A5 J	14	595	E -23 462
8		8.7R	12 56.477	0.0008	12	-28 31 9.19	0.001	12	0.25	56.465	16	33.8	9.21	16	33.8	K0 J	13B	434	J -28 383
9		8.0R	12 56.620	-0.0046	18	-21 59 34.81	-0.033	18	0.33	56.695	16	33.8	34.27	16	33.8	K0 J	14	596	E -22 438
10		9.5R	12 58.627	0.0021	12	-29 10 45.18	0.016	12	0.25	58.592	16	33.8	45.44	16	33.8	G0 J	13B	435	J -29 393
11		8.1T	13 3.035	0.0002	16	-24 13 0.41	-0.014	13	0.77	3.027	21	00.9	-59.67	19	98.5	G5	GC	1514	C -24 546
12		9.5R	13 4.565	-0.0057	20	-26 4 43.09	0.058	20	0.35	4.657	16	33.8	44.03	16	33.8	F5 J	14	598	E -26 411
13		8.8R	13 7.226	-0.0015	17	-28 31 42.74	-0.021	17	0.31	7.250	16	33.8	42.40	16	33.8	K0 J	13B	436	J -28 384
14		9.1A	13 14.795	-0.0001	00	-21 9 30.87	0.000	15	0.23	14.797	16	33.8	30.88	16	33.8	F8 J	13A	324	A -21 198
15		7.1T	13 29.623	-0.0017	16	-24 14 12.87	0.009	13	0.79	29.714	17	97.5	13.33	17	95.8	A5	GC	1520	C -24 548
16		8.2R	13 31.252	0.0035	18	-23 34 43.44	0.011	18	0.33	31.195	16	33.8	43.61	16	33.8	K0 J	14	600	E -23 468
17		8.8A	13 39.110	0.0042	18	-20 4 3.98	-0.009	13	0.30	39.041	16	33.8	3.83	16	33.8	F5 J	13A	327	A -20 227
18		8.6R	13 45.752	0.0022	18	-21 44 47.51	-0.007	18	0.33	45.716	16	33.8	47.61	16	33.8	K0 J	14	601	E -22 443
19		8.6R	14 0.104	-0.0002	12	-28 4 35.80	0.024	12	0.25	0.107	16	33.8	36.19	16	33.8	K2 J	13B	440	J -28 387
20		8.6R	14 3.551	0.0015	12	-29 28 34.14	-0.019	12	0.25	3.526	16	33.8	33.83	16	33.8	G0 J	13B	441	J -29 398
21		8.1R	14 15.917	0.0038	12	-25 56 15.37	-0.034	12	0.25	15.855	16	33.8	14.82	16	33.8	K0 J	14	602	E -26 417
22		8.7A	14 17.585	-0.0058	18	-20 22 11.62	0.001	15	0.31	17.680	16	33.8	11.63	16	33.8	F5 J	13A	330	A -20 229
23		8.3R	14 22.134	-0.0001	15	-22 4 28.98	0.072	15	0.29	22.135	16	33.8	30.14	16	33.8	F2 J	14	603	E -22 445
24		9.4R	14 28.637	-0.0001	18	-24 6 27.09	0.013	18	0.33	28.638	16	33.8	27.29	16	33.8	M2 J	14	604	E -24 552
25		9.3R	14 32.120	-0.0013	15	-22 42 28.29	-0.026	15	0.29	32.141	16	33.8	27.87	16	33.8	F2 J	14	606	E -23 470
26		9.5R	14 44.134	-0.0021	12	-24 52 21.85	0.016	12	0.25	44.169	16	33.8	22.10	16	33.8	G5 J	14	609	E -25 508
27		9.5R	15 3.250	-0.0023	20	-24 31 45.01	0.248	20	0.35	3.288	16	33.8	49.03	16	33.8	K0 J	14	610	E -24 556
28		9.4R	15 13.422	-0.0030	12	-24 59 49.33	0.053	12	0.25	13.471	16	33.8	50.18	16	33.8	G5 J	14	612	E -25 511
29		9.3R	15 13.759	-0.0014	20	-24 26 39.37	0.041	20	0.35	13.781	16	33.8	40.03	16	33.8	F5 J	14	611	E -24 558
30		8.7R	15 14.242	0.0013	20	-27 16 32.14	0.032	20	0.35	14.222	16	33.8	32.67	16	33.8	G0 J	13B	447	J -27 424
31		8.5R	15 21.085	-0.0045	17	-28 27 41.08	-0.002	17	0.31	21.158	16	33.8	41.04	16	33.8	G0 J	13B	448	J -28 394
32		9.6R	15 24.624	0.0028	20	-24 36 24.42	0.022	20	0.35	24.579	16	33.8	24.77	16	33.8	F8 J	14	613	E -24 560
33		9.1A	15 27.387	0.0021	18	-21 29 18.35	-0.002	13	0.30	27.354	16	33.8	18.32	16	33.8	G5 J	13A	337	A -21 206
34		9.4R	15 40.636	0.0011	18	-24 0 17.66	0.002	18	0.33	40.618	16	33.8	17.69	16	33.8	A2 J	14	614	E -24 562
35		8.8R	15 47.957	-0.0016	17	-27 7 26.18	-0.036	17	0.31	47.983	16	33.8	25.60	16	33.8	G0 J	13B	450	J -27 426
36		9.3R	15 49.172	0.0005	00	-27 51 59.75	-0.085	20	0.27	49.163	16	33.8	58.36	16	33.8	G0 J	13B	451	J -28 396
37		8.0R	15 54.722	0.0045	18	-23 45 40.64	-0.091	18	0.33	54.648	16	33.8	39.16	16	33.8	G5 J	14	615	E -24 563
38		9.1R	15 58.043	0.0024	20	-23 25 13.04	-0.075	20	0.35	58.004	16	33.8	11.82	16	33.8	G0 J	14	616	E -23 475
39		9.0R	16 0.450	-0.0007	18	-23 40 2.71	-0.022	18	0.33	0.461	16	33.8	2.35	16	33.8	G5 J	14	617	E -24 564
40		7.4R	16 1.063	0.0001	18	-23 16 32.04	-0.048	18	0.33	1.062	16	33.8	31.26	16	33.8	A3 J	14	618	E -23 477
41		8.0A	16 3.212	-0.0004	20	-20 27 12.12	-0.002	15	0.32	3.219	16	33.8	12.08	16	33.8	K0 J	13A	339	A -20 234
42		9.4R	16 3.871	0.0000	17	-25 26 34.19	0.069	17	0.31	3.870	16	33.8	35.31	16	33.8	G0 J	14	619	E -25 517
43		9.2R	16 9.605	-0.0016	20	-28 40 35.75	-0.008	20	0.35	9.631	16	33.8	35.62	16	33.8	F2 J	13B	452	J -29 410
44		7.5R	16 10.374	0.0047	20	-28 59 44.54	0.026	20	0.35	10.298	16	33.8	44.97	16	33.8	G5 J	13B	453	J -29 411
45		8.7R	16 14.339	0.0004	17	-27 46 43.25	0.044	17	0.31	14.333	16	33.8	43.95	16	33.8	K0 J	13B	455	J -28 398
46		8.4R	16 14.641	0.0058	20	-26 9 43.29	0.037	20	0.35	14.546	16	33.8	43.88	16	33.8	G0 J	14	621	E -26 424
47		8.9A	16 14.866	0.0010	18	-20 50 48.49	-0.004	13	0.30	14.850	16	33.8	48.43	16	33.8	M0 J	13A	342	A -21 209
48		8.5R	16 15.875	0.0038	18	-23 5 2.18	0.024	18	0.33	15.814	16	33.8	2.57	16	33.8	G0 J	14	620K	E -23 478
49		9.4R	16 16.911	-0.0001	18	-22 32 9.78	-0.028	18	0.33	16.912	16	33.8	9.32	16	33.8	G0 J	14	622	E -22 451
50		9.0R	16 21.289	0.0001	20	-26 26 9.98	0.035	20	0.35	21.287	16	33.8	10.54	16	33.8	F5 J	14	624	E -26 425
51		9.3R	1 16 22.200	0.0001	00	-22 43 42.49	-0.024	20	0.27	22.198	16	33.8	42.10	16	33.8	G5 J	14	623	E -23 479
52		8.4R	16 36.492	0.0094	17	-29 27 5.74	0.039	17	0.31	36.340	16	33.8	6.38	16	33.8	G0 J	13B	460	J -29 414
53		9.2R	16 39.094	0.0017	18	-24 32 4.24	-0.013	18	0.33	39.066	16	33.8	4.02	16	33.8	K5 J	14	625	E -24 568
54		9.1R	16 57.241	-0.0048	21	-25 37 54.08	-0.052	21	0.37	57.320	16	33.8	53.23	16	33.8	K0 J	14	627	E -26 426
55		8.4R	16 58.285	-0.0003	18	-23 22 12.43	0.013	18	0.33	58.290	16	33.8	12.64	16	33.8	A5 J	14	626	E -23 483
56		9.5R	17 4.687	-0.0034	20	-26 19 28.76	0.055	20	0.35	4.742	16	33.8	29.65	16	33.8	K0 J	14	628	E -26 429
57		8.7R	17 5.378	-0.0034	20	-25 55 26.71	-0.031	20	0.35	5.433	16	33.8	26.20	16	33.8	G5 J	14	629	E -26 431
58		8.0R	17 5.876	-0.0009	12	-25 12 42.48	-0.104	12	0.25	5.891	16	33.8	40.80	16	33.8	G5 J	14	630	E -25 524
59		9.0R	17 8.204	0.0033	12	-28 20 8.53	0.012	12	0.25	8.150	16	33.8	8.73	16	33.8	K7 J	13B	461	J -28 406
60		9.4R	17 11.699	0.0006	20	-26 12 0.52	0.069	20	0.35	11.689	16	33.8	1.64	16	33.8	K5 J	14	631	E -26 432
61		8.5R	17 19.922	0.0022	17	-29 7 26.22	0.014	17	0.31	19.886	16	33.8	26.45	16	33.8	G5 J	13B	462	J -29 418
62		9.4R	17 22.377	0.0059	18	-22 30 3.06	-0.129	18	0.33	22.282	16	33.8	0.97	16	33.8	G5 J	14	632	E -22 457
63		8.6R	17 23.057	-0.0000	15	-21 42 58.21	-0.019	15	0.29	23.057	16	33.8	57.90	16	33.8	F8 J	14	633	E -22 458
64		7.6R	17 23.737	0.0026	17	-28 29 43.33	-0.010	17	0.31	23.695	16	33.8	43.16	16	33.8	G5 J	13B	463	J -28 407
65		9.3R	17 26.988	-0.0045	20	-23 12 5.32	0.103	20	0.35	27.062	16	33.8	6.99	16	33.8	A5 J	14	634	E -23 486
66		9.0A	17 32.494	-0.0001	00	-21 10 44.93	-0.004	13	0.22	32.496	16	33.8	44.87	16	33.8	A5 J	13A	345	A -21 213
67		7.4A	17 39.989	0.0014	18	-20 43 59.09	0.003	13	0.30	39.966	16	33.8	59.15	16	33.8	K2 J	13A	346	A -21 215
68		9.1R	17 42.041	0.0079	15	-24 26 23.42	0.029	15	0.29	41.912	16	33.8	23.89	16	33.8	F5 J	14	635	E -24 578
69		9.3R	17 52.039	-0.0029	18	-27 35 24.59	0.035	18	0.33	52.086	16	33.8	25.16	16	33.8	G0 J	13B	466	J -27 438
70		9.5R	18 0.470	0.0009	12	-25 34 0.40	0.052	12	0.25	0.456	16	33.8	1.24	16	33.8	F8 J	14	636	E -25 529
71		7.4T	18 1.332	0.0024	12	-29 14 56.52	-0.013	12	0.61	1.216	18	00.5	55.88	17	99.5	G5	GC	1621	C -29 422
72	8.4	8.5W	18 3.661	-0.0016	21	-29 51 42.83	-0.034	21	0.44	3.690	22	31.9	42.22	21	31.9	A5	C7	477	C -30 434
73		8.1A	18 4.049	0.0111	18	-20 12 28.48	-0.243	13	0.30	3.869	16	33.8	24.54	16	33.8	G0 J	13A	347	A -20 249
74		8.8R	18 9.857	-0.0043	20	-27 0 34.63	-0.050	20	0.35	9.928	16	33.8	33.82	16	33.8	G0 J	13B	471	J -27 442
75		9.3R	18 19.646	-0.0025	20	-26 37 47.72	0.012	20	0.35	19.687	16	33.8	47.90	16	33.8	A5 J	14	637	E -27 443
76		7.5R	18 23.038	-0.0033	12	-25 21 54.74	-0.034	12	0.25	23.091	16	33.8	54.19	16	33.8	K0 J	14	638	E -25 531
77		9.0R	18 24.382	-0.0023	15	-24 48 58.01	0.022	15	0.29	24.419	16	33.8	58.37	16	33.8	F2 J	14	639	E -25 533
78		9.0R	18 41.903	-0.0003	18	-22 23 42.89	0.017	18	0.33	41.907	16	33.8	43.15	16	33.8	G5 J	14	640	E -22 465
79		9.4R	18 45.033	-0.0001	18	-23 49 59.12	-0.018	18	0.33	45.035	16	33.8	58.82	16	33.8	G0 J	14	641	E -24 585
80		9.3R	18 52.497	-0.0044	20	-22 40 30.17	0.000	20	0.35	52.568	16	33.8	30.17	16	33.8	K0 J	14	642	E -23 496
81		8.1R	19 2.820	0.0022	12	-29 3 19.88	0.031	12	0.25	2.784	16	33.8	20.39	16	33.8	G5 J	13B	474	J -29 426
82		9.5R	19 5.509	-0.0014	20	-26 16 12.46	0.051	20	0.35	5.533	16	33.8	13.28	16	33.8	A0 J	14	643	E -26 442
83		9.6R	19 8.727	-0.0011	18	-23 10 8.14	0.001	18	0.33	8.745	16	33.8	8.16	16	33.8	K0 J	14	644	E -23 497
84		9.1R	19 11.950	0.0023	12	-29 23 32.87	0.030	12	0.25	11.913	16	33.8	33.36	16	33.8	F8 J	13B	475	J -29 431
85		9.0R	19 18.645	0.0035	12	-28 9 12.53	0.005	12	0.25	18.588	16	33.8	12.62	16	33.8	K7 J	13B	476	J -28 414
86		8.6R	19 20.676	-0.0032	18	-26 55 43.32	-0.063	18	0.33	20.729	16	33.8	42.30	16	33.8	F8 J	13B	477	J -27 451
87		8.9R	19 21.623	-0.0028	20	-21 40 17.71	-0.024	20	0.35	21.668	16	33.8	17.31	16	33.8	K5 J	14	645	E -22 469
88		7.8R	19 22.986	-0.0056	18	-24 23 23.86	0.006	18	0.33	22.895	16	33.8	23.95	16	33.8	G0 J	14	646K	E -24 588
89		9.2R	19 27.747	-0.0003	18	-22 45 49.04	-0.038	18	0.33	27.752	16	33.8	48.42	16	33.8	G0 J	14	647	E -23 502
90		8.9R	19 31.901	-0.0002	20	-26 58 9.50	-0.068	20	0.35	31.904	16	33.8	8.08	16	33.8	F5 J	13B	478	J -27 453
91		9.0R	19 34.791	0.0009	18	-22 11 58.07	0.008	18	0.33	34.776	16	33.8	58.19	16	33.8	K0 J	14	648	E -22 471
92		8.3R	19 40.658	-0.0045	20	-27 29 42.78	-0.026	20	0.35	40.732	16	33.8	42.37	16	33.8	K5 J	13B	480	J -27 454
93		8.1R	19 41.229	-0.0016	18	-21 47 42.33	0.013	18	0.33	41.255	16	33.8	42.53	16	33.8	G5 J	14	649	E -22 472
94		8.3R	19 45.840	-0.0056	20	-27 9 4.21	-0.219	20	0.35	45.931	16	33.8	0.66	16	33.8	K0 J	13B	481	J -27 457
95		9.1R	19 46.526	0.0005	15	-24 37 38.20	0.007	15	0.29	46.519	16	33.8	38.31	16	33.8	K0 J	14	650	E -25 545
96		9.2R	19 50.025	0.0018	20	-25 0 34.11	-0.025	20	0.35	49.996	16	33.8	33.71	16	33.8	K0 J	14	651	E -25 546
97		7.9R	20 19.619	0.0002	18	-21 41 13.83	0.007	18	0.33	19.616	16	33.8	13.93	16	33.8	F2 J	14	652	E -22 477
98		8.9R	20 20.649	0.0025	18	-25 40 52.89	-0.033	18	0.33	20.609	16	33.8	52.35	16	33.8	K5 J	14	653	E -26 455
99		9.6R	20 22.136	-0.0013	18	-23 30 57.55	0.010	18	0.33	22.157	16	33.8	57.71	16	33.8	K0 J	14	654	E -23 506
00		8.3R	20 24.082	0.0036	12	-28 46 24.84	0.065	12	0.25	24.024	16	33.8	25.90	16	33.8	K0 J	13B	483	J -29 438

167000

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	EPOCH 1950 μ s	EPOCH 1950 σ_μ ″.001	EPOCH 1950 δ_{1950} ° ′ ″	EPOCH 1950 μ' ″	EPOCH 1950 σ'_μ ″.001	EPOCH 1950 σ_{1950} ″	ORIGINAL EPOCH α_2 s	ORIGINAL EPOCH σ ″.01	ORIGINAL EPOCH ep.	ORIGINAL EPOCH δ_2 ″	ORIGINAL EPOCH σ' ″.01	ORIGINAL EPOCH ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	-20° 1H DM NUMBER
1		8.0A	1 20 28.092	0.0061	18	-20 59 51.77	0.000	13	0.30	27.994	16	33.8	51.78	16	33.8	F5 J	13A	359	A -21 223
2		9.5R	20 33.965	0.0052	18	-24 2 24.26	0.027	18	0.33	33.880	16	33.8	24.69	16	33.8	G0 J	14	655	E -24 594
3		9.3R	20 42.668	-0.0025	12	-27 5 34.89	0.029	12	0.25	42.709	16	33.8	35.36	16	33.8	F5 J	13B	485	J -27 461
4		9.2R	20 44.931	-0.0073	20	-25 15 30.78	0.006	20	0.35	45.050	16	33.8	30.88	16	33.8	F8 J	14	656	E -25 551
5		9.3R	20 46.572	-0.0006	18	-22 45 10.50	-0.027	18	0.33	46.583	16	33.8	10.06	16	33.8	K0 J	14	657	E -23 507
6		9.4R	20 49.130	-0.0052	18	-23 34 43.90	-0.029	18	0.33	49.214	16	33.8	43.42	16	33.8	G5 J	14	658	E -23 508
7		9.1A	20 59.229	-0.0041	20	-20 34 50.30	0.005	13	0.31	59.295	16	33.8	50.39	16	33.8	F5 J	13A	364	A -21 225
8		9.0R	21 0.416	0.0115	20	-27 28 27.35	-0.046	20	0.35	0.230	16	33.8	26.61	16	33.8	G5 J	13B	487	J -27 463
9		9.3R	21 1.776	0.0035	20	-24 14 49.65	-0.021	20	0.35	1.720	16	33.8	49.31	16	33.8	G0 J	14	659	E -24 596
10		9.2R	21 1.949	0.0005	00	-25 20 44.01	-0.013	20	0.27	1.941	16	33.8	43.80	16	33.8	A0 J	14	660	E -25 554
11		6.8T	21 11.947	-0.0016	07	-24 36 49.07	0.004	06	0.34	12.025	10	01.2	49.27	12	99.4	A5	GC	1688K	C*-25 555
12		8.6R	21 20.095	0.0006	20	-26 27 7.62	-0.010	20	0.35	20.085	16	33.8	7.45	16	33.8	G5 J	14	662	E -26 459
13		9.3R	21 20.247	0.0021	20	-28 8 14.05	-0.072	20	0.35	20.212	16	33.8	12.89	16	33.8	G5 J	13B	490	J -28 427
14		8.4R	21 24.103	-0.0039	18	-24 19 9.80	-0.023	18	0.33	24.165	16	33.8	9.42	16	33.8	G5 J	14	663	E -24 599
15		9.2R	21 39.357	0.0015	20	-26 36 23.68	0.024	20	0.35	39.332	16	33.8	24.08	16	33.8	F2 J	14	664	E -27 469
16		9.2R	21 42.550	-0.0010	18	-23 1 50.96	-0.020	18	0.33	42.566	16	33.8	50.64	16	33.8	G0 J	14	665K	E -23 515
17		9.1R	21 45.275	-0.0086	20	-25 6 10.10	0.028	20	0.35	45.414	16	33.8	10.56	16	33.8	F2 J	14	667	E -25 559
18		8.5R	21 47.523	0.0076	18	-22 12 7.94	0.010	18	0.33	47.399	16	33.8	8.10	16	33.8	G5 J	14	666	E -22 484
19		9.0R	21 49.142	0.0036	20	-29 12 12.74	0.058	20	0.35	49.084	16	33.8	13.69	16	33.8	F5 J	13B	491	J -29 446
20		8.3R	21 51.151	0.0017	18	-22 0 45.62	-0.009	18	0.33	51.123	16	33.8	45.47	16	33.8	K0 J	14	668	E -22 485
21		8.6R	22 1.438	-0.0007	20	-28 18 34.94	0.024	20	0.35	1.449	16	33.8	35.32	16	33.8	F8 J	13B	493	J -28 431
22		7.5R	22 3.604	0.0063	20	-28 45 30.88	0.049	20	0.35	3.503	16	33.8	31.68	16	33.8	K0 J	13B	494	J -29 447
23		8.8R	22 9.290	0.0012	20	-29 1 22.13	-0.012	20	0.35	9.270	16	33.8	21.94	16	33.8	K2 J	13B	495	J -29 448
24		8.3R	22 9.633	0.0006	17	-25 34 48.08	0.011	17	0.31	9.624	16	33.8	48.26	16	33.8	A2 J	14	671K	E -25 563
25		9.0R	22 12.487	-0.0021	20	-27 14 36.88	0.027	20	0.35	12.522	16	33.8	37.32	16	33.8	K2 J	13B	496	J -27 471
26		9.1R	22 13.232	0.0008	20	-27 36 0.93	-0.002	20	0.35	13.219	16	33.8	0.90	16	33.8	G5 J	13B	498	J -27 472
27		8.9A	22 15.324	0.0036	20	-21 21 21.06	0.056	15	0.32	15.267	16	33.8	21.97	16	33.8	F5 J	13A	372	A -21 229
28		9.2R	22 22.364	0.0005	20	-27 24 9.27	0.013	17	0.33	22.356	16	33.8	9.48	16	33.8	K7 J	13B	499	J -27 474
29		7.4R	22 26.901	0.0239	17	-28 5 43.72	-0.282	17	0.31	26.514	16	33.8	39.15	16	33.8	G0 J	13B	500	J -28 433
30		9.3R	22 27.217	0.0014	20	-26 31 14.83	0.017	20	0.35	27.194	16	33.8	15.12	16	33.8	G5 J	14	672	E -26 467
31		9.1R	22 28.288	0.0003	20	-24 47 22.14	0.078	20	0.35	28.283	16	33.8	23.40	16	33.8	G0 J	14	673	E -25 564
32		9.2R	22 29.462	-0.0041	18	-22 16 43.06	-0.034	18	0.33	29.529	16	33.8	42.50	16	33.8	K2 J	14	674	E -22 489
33		8.9R	22 31.757	-0.0006	15	-24 55 19.18	0.012	15	0.29	31.767	16	33.8	19.37	16	33.8	K0 J	14	675	E -25 565
34		9.4R	22 36.903	0.0005	12	-24 45 56.45	0.052	12	0.25	36.896	16	33.8	57.29	16	33.8	G0 J	14	676	E -25 566
35		9.3R	22 39.263	-0.0005	15	-23 56 30.10	-0.025	15	0.29	39.271	16	33.8	29.69	16	33.8	K5 J	14	677	E -24 606
36		9.3R	22 52.373	-0.0016	17	-27 17 17.62	-0.026	17	0.31	52.398	16	33.8	17.21	16	33.8	G5 J	13B	502	J -27 476
37		9.1R	22 55.055	-0.0032	18	-23 49 45.95	-0.067	18	0.33	55.106	16	33.8	44.84	16	33.8	G5 J	14	678	E -24 608
38		8.1R	23 7.024	0.0036	12	-29 2 31.09	-0.016	12	0.25	6.966	16	33.8	30.83	16	33.8	A0 J	13B	503	J -29 454
39		7.8R	23 7.457	0.0002	12	-24 58 40.36	-0.086	12	0.25	7.453	16	33.8	38.97	16	33.8	F5 J	14	679	E -25 569
40		8.5R	23 9.180	-0.0005	20	-26 43 3.06	0.012	20	0.35	9.188	16	33.8	3.26	16	33.8	A3 J	14	680	E -27 478
41		9.3R	23 15.550	-0.0006	12	-24 57 4.66	-0.009	12	0.25	15.560	16	33.8	4.51	16	33.8	F2 J	14	681	E -25 570
42		9.2R	23 31.832	0.0008	15	-27 19 15.34	0.056	15	0.29	31.819	16	33.8	16.25	16	33.8	G0 J	13B	505	J -27 480
43		7.0R	23 41.403	0.0015	18	-23 3 28.74	0.006	18	0.33	41.377	16	33.8	28.84	16	33.8	K0 J	14	682	E -23 520
44		8.9R	24 6.260	-0.0016	12	-24 46 56.57	-0.045	12	0.25	6.286	16	33.8	55.83	16	33.8	F5 J	14	684	E -25 575
45		9.4R	24 14.855	-0.0064	18	-24 32 31.86	-0.001	18	0.33	14.958	16	33.8	31.84	16	33.8	K2 J	14	685	E -24 615
46		9.1R	24 17.860	0.0014	12	-25 24 34.88	-0.014	12	0.25	17.838	16	33.8	34.66	16	33.8	F0 J	14	686	E -25 576
47		9.2R	24 20.905	0.0053	18	-23 22 20.46	-0.056	18	0.33	20.820	16	33.8	19.55	16	33.8	G5 J	14	687	E -23 522
48		8.3R	24 29.195	-0.0006	17	-29 43 53.75	-0.202	17	0.31	29.205	16	33.8	50.48	16	33.8	K0 J	13B	508	J -30 475
49		7.1T	24 38.872	-0.0004	16	-20 45 3.28	-0.011	16	0.74	38.889	18	04.9	2.80	19	05.0	K0	GC	1751	-21 235
50		9.2R	24 39.131	-0.0010	15	-23 33 54.24	0.016	15	0.29	39.147	16	33.8	54.49	16	33.8	F8 J	14	688	E -23 523
51		9.6R	1 24 44.418	0.0012	15	-22 46 13.24	0.061	15	0.29	44.398	16	33.8	14.23	16	33.8	G0 J	14	689	E -23 524
52		9.3R	24 45.604	-0.0005	17	-26 50 42.33	0.027	12	0.28	45.613	16	33.8	42.76	16	33.8	F8 J	13B	511	J -27 485
53	9.6	9.4W	24 51.459	0.0016	21	-29 59 42.26	-0.019	21	0.44	51.430	22	31.9	41.92	21	31.9	F2	C7	518	C -30 479
54		8.9R	24 55.931	0.0006	12	-25 5 59.78	-0.078	12	0.25	55.921	16	33.8	58.52	16	33.8	K0 J	14	690	E -25 578
55		6.6T	24 59.682	-0.0003	12	-22 35 45.85	-0.080	11	0.64	59.698	17	96.9	41.41	15	94.4	K0	GC	1763	C*-23 18
56		6.9T	25 0.562	0.0019	16	-20 36 39.74	0.028	14	0.71	0.475	18	05.0	41.07	18	03.3	F2	GC	1764	-21 237
57		8.4R	25 5.585	-0.0008	20	-26 11 37.51	-0.102	20	0.35	5.599	16	33.8	35.85	16	33.8	G5 J	14	692	E -26 480
58		8.2R	25 13.913	0.0042	12	-25 35 28.99	0.006	12	0.25	13.845	16	33.8	29.08	16	33.8	F2 J	14	693K	E -25 585
59		8.7R	25 15.700	0.0024	18	-24 16 29.24	-0.004	18	0.33	15.662	16	33.8	29.17	16	33.8	A2 J	14	694	E -24 624
60		7.5R	25 28.179	0.0016	12	-29 9 13.51	-0.002	12	0.25	28.154	16	33.8	13.48	16	33.8	K0 J	13B	516	J -29 464
61		9.5R	25 30.575	0.0053	18	-24 12 46.29	0.026	18	0.33	30.489	16	33.8	46.71	16	33.8	G5 J	14	695	E -24 626
62		6.7T	25 35.738	0.0002	11	-22 17 44.02	0.017	10	0.62	35.729	15	94.8	44.97	14	92.6	G5	GC	1775	-22 251
63		7.6A	25 38.314	-0.0019	18	-20 41 30.72	-0.036	13	0.30	38.346	16	33.8	30.14	16	33.8	G5 J	13A	386	A -21 238
64		8.8A	25 38.636	0.0006	18	-20 3 57.63	0.025	13	0.30	38.627	16	33.8	58.03	16	33.8	G5 J	13A	385	A -20 271
65		8.7R	25 39.637	-0.0019	18	-22 35 41.65	-0.039	18	0.33	39.669	16	33.8	41.02	16	33.8	G0 J	14	697	E -22 508
66		7.5T	25 40.769	0.0076	12	-27 22 8.18	0.068	11	0.65	40.363	17	96.6	11.92	17	94.7	K0	GC	1778	C -27 495
67		8.9R	25 43.275	0.0003	16	-21 48 58.12	0.031	18	0.33	43.270	16	33.8	58.61	16	33.8	G5 J	14	698	E -22 509
68		7.6R	25 46.430	0.0102	13	-28 18 38.41	0.090	13	0.27	46.265	16	33.8	39.86	16	33.8	F5 J	13B	518	J -28 451
69		9.1R	25 49.904	-0.0001	17	-28 26 22.72	-0.007	17	0.31	49.906	16	33.8	22.61	16	33.8	K0 M	13B	519	J -28 452
70		8.9R	25 50.689	0.0018	12	-28 31 21.58	0.013	12	0.25	50.660	16	33.8	21.79	16	33.8	K2 J	13B	520	J -28 453
71		8.7R	26 5.749	-0.0042	18	-23 1 27.99	0.028	18	0.33	5.817	16	33.8	28.44	16	33.8	G0 J	14	700	E -23 529
72		8.6R	26 6.640	0.0003	15	-23 43 17.93	0.005	15	0.29	6.635	16	33.8	18.01	16	33.8	F2 J	14	701	E -24 630
73		8.7R	26 12.658	0.0035	17	-28 51 5.39	0.001	17	0.31	12.601	16	33.8	5.41	16	33.8	K0 J	13B	521	J -29 469
74		9.4R	26 14.515	0.0066	18	-24 27 15.57	0.012	18	0.33	14.408	16	33.8	15.76	16	33.8	F8 J	14	702	E -24 631
75		8.3R	26 22.352	0.0036	12	-26 0 55.37	-0.000	12	0.25	22.294	16	33.8	55.37	16	33.8	K0 J	14	703	E -26 484
76		8.3R	26 23.877	0.0037	18	-24 35 54.94	-0.014	18	0.33	23.817	16	33.8	54.71	16	33.8	G0 J	14	705	E -24 633
77		9.3R	26 24.024	0.0008	18	-22 43 56.87	0.005	18	0.33	24.011	16	33.8	56.95	16	33.8	F8 J	14	704	E -23 532
78		7.1T	26 25.675	-0.0015	13	-25 3 21.74	0.015	12	0.68	25.753	18	99.4	22.55	18	96.7	A3	GC	1794	C -25 597
79		9.3R	26 25.859	0.0029	20	-26 48 28.88	0.034	20	0.35	25.812	16	33.8	29.42	16	33.8	G0 J	13B	522	J -27 500
80		8.1R	26 30.149	0.0033	18	-24 4 59.86	-0.029	18	0.33	30.095	16	33.8	59.39	16	33.8	K0 J	14	707	E -24 634
81		8.7R	26 30.946	0.0006	17	-25 23 22.16	0.019	12	0.28	30.936	16	33.8	22.47	16	33.8	K0 J	14	709	E -25 598
82		9.0R	26 30.963	-0.0057	18	-23 39 15.02	-0.143	18	0.33	31.055	16	33.8	12.69	16	33.8	G0 J	14	708	E -24 635
83		9.2R	26 46.747	0.0032	18	-23 16 23.46	0.019	18	0.33	46.695	16	33.8	23.76	16	33.8	K5 J	14	710	E -23 535
84		8.9R	27 4.190	-0.0009	20	-25 24 35.85	0.032	20	0.35	4.205	16	33.8	36.37	16	33.8	K0 J	14	711	E -25 608
85		9.0A	27 10.446	-0.0014	18	-20 4 37.93	-0.088	15	0.31	10.468	16	33.8	36.50	16	33.8	F5 J	13A	392	A -20 275
86		5.1H	27 12.209	0.0038	02	-21 53 14.62	0.010	02	0.07	12.080	03	16.0	14.96	04	16.6	A0	F4	1043	-22 254
87		6.5T	27 21.048	0.0029	05	-25 52 32.93	0.022	05	0.23	20.920	09	05.4	33.90	09	05.2	K0	GC	1810	C*-26 491
88		7.8R	27 36.245	0.0090	18	-23 46 52.50	-0.058	18	0.33	36.099	16	33.8	51.56	16	33.8	G0 J	14	714	E -23 539
89		8.3R	27 40.519	0.0005	20	-27 13 43.96	0.047	20	0.35	40.511	16	33.8	44.73	16	33.8	K0 J	13B	526	J -27 508
90		8.9R	27 46.317	-0.0002	15	-25 18 34.65	0.021	12	0.27	46.320	16	33.8	34.99	16	33.8	F2 J	14	715	E -25 612
91		8.8R	27 49.095	-0.0026	15	-25 34 48.99	0.041	15	0.29	49.138	16	33.8	49.65	16	33.8	F0 J	14	716	E -25 613
92		7.5R	27 53.964	0.0019	20	-29 7 23.08	-0.027	20	0.35	53.933	16	33.8	22.65	16	33.8	K0 J	13B	527	J -29 477
93		6.0T	28 1.519	0.0032	05	-26 27 55.86	0.006	05	0.25	1.380	09	06.2	56.12	09	03.5	K0	GC	1828K	C*-26 502
94		8.6R	28 5.616	-0.0009	20	-29 31 10.78	0.197	20	0.35	5.631	16	33.8	13.98	16	33.8	K0 J	13B	528	J -29 478
95		8.8R	28 8.768	-0.0035	17	-25 38 58.38	-0.099	17	0.31	8.825	16	33.8	56.77	16	33.8	F8 J	14	720	E -26 503
96		8.2R	28 9.032	0.0019	12	-23 30 4.07	-0.008	12	0.25	9.001	16	33.8	3.93	16	33.8	K0 J	14	719	E -23 543
97		9.1R	28 12.281	0.0013	12	-25 12 41.65	-0.063	12	0.25	12.260	16	33.8	40.63	16	33.8	G0 J	14	721	E -25 617
98		9.1R	28 30.007	-0.0026	18	-22 33 36.13	-0.040	18	0.33	30.049	16	33.8	35.48	16	33.8	K0 J	14	722	E -22 521
99		9.1R	28 31.160	0.0019	20	-26 32 15.29	0.002	20	0.35	31.131	16	33.8	15.33	16	33.8	F5 J	14	723	E -26 506
00		8.8R	28 36.433	0.0023	17	-28 10 1.10	0.012	17	0.31	36.396	16	33.8	1.29	16	33.8	G0 J	13B	531	J -28 469

167100

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	σ'_μ ″.001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	SOURCE CAT.	STAR NUMBER	-20° 1H DM NUMBER
1		9.0R	1 28 37.184	-0.0019	18	-22 46 55.98	-0.006	18	0.33	37.216	16	33.8	55.88	16	33.8	K2 J	14	724	E -23 546
2		8.7A	28 44.634	-0.0041	18	-21 22 32.49	0.002	13	0.30	44.700	16	33.8	32.53	16	33.8	F2 J	13A	398	A -21 241
3		9.4R	28 46.544	-0.0023	18	-21 45 50.89	-0.053	15	0.31	46.581	16	33.8	50.02	16	33.8	G5 J	14	725	E -22 523
4		8.8R	28 51.000	0.0036	12	-24 51 36.37	-0.026	12	0.25	50.942	16	33.8	35.94	16	33.8	F8 J	14	726	E -25 620
5		8.3R	28 55.554	-0.0014	17	-28 21 26.47	0.008	17	0.31	55.576	16	33.8	26.60	16	33.8	F5 J	13B	535	J -28 471
6		8.8A	28 59.842	0.0037	18	-20 3 36.14	0.025	13	0.30	59.783	16	33.8	36.54	16	33.8	F5 J	13A	401	A -20 282
7		9.4R	29 5.768	0.0042	17	-25 43 51.42	0.108	17	0.31	5.700	16	33.8	51.17	16	33.8	G5 J	14	727	E -26 511
8		8.9R	29 9.413	0.0012	17	-29 19 22.15	-0.021	17	0.31	9.394	16	33.8	21.81	16	33.8	G5 J	13B	534	J -29 486
9		8.9R	29 18.331	-0.0010	15	-23 29 23.11	-0.001	15	0.29	18.348	16	33.8	23.09	16	33.8	K0 J	14	728	E -23 549
10		9.5R	29 23.444	-0.0019	17	-28 22 42.97	-0.004	17	0.31	23.475	16	33.8	42.91	16	33.8	A2 J	13B	537	J -28 473
11		9.3R	29 23.905	0.0034	20	-27 9 50.48	-0.049	20	0.35	23.850	16	33.8	49.69	16	33.8	F8 J	13B	536	J -27 514
12		9.1R	29 25.259	0.0015	20	-25 46 49.52	-0.028	20	0.35	25.234	16	33.8	49.06	16	33.8	G0 J	14	729K	E -26 518
13		9.0R	29 25.493	-0.0021	20	-26 15 23.81	-0.016	20	0.35	25.527	16	33.8	23.55	16	33.8	K0 J	14	730	E -26 517
14		9.1R	29 27.716	-0.0025	15	-22 42 22.23	0.005	15	0.29	27.756	16	33.8	22.31	16	33.8	G5 J	14	731	E -23 552
15		7.3T	29 33.302	0.0009	13	-27 57 35.60	0.007	13	0.70	33.256	18	00.0	35.94	19	98.1	K0	GC	1858	C* -28 475
16		7.2T	29 45.101	-0.0007	09	-23 54 14.46	-0.080	07	0.49	45.140	17	96.8	9.89	15	93.2	A5	GC	1862	C -24 651
17		9.1A	29 52.371	0.0031	18	-20 57 39.99	0.014	13	0.30	52.322	16	33.8	40.23	16	33.8	F8 J	13A	407	A -21 245
18		8.9R	29 52.814	-0.0009	20	-27 3 54.04	0.006	20	0.35	52.828	16	33.8	54.15	16	33.8	F8 J	13B	541	J -27 519
19		8.0T	29 58.754	-0.0005	13	-26 48 29.19	-0.088	12	0.69	58.779	19	99.2	24.45	18	95.8	A3	GC	1868K	C -27 522
20		9.0R	30 0.272	-0.0012	12	-25 33 31.71	-0.005	12	0.25	0.292	16	33.8	31.63	16	33.8	G5 J	14	733	E -25 630
21		9.2R	30 1.392	-0.0002	17	-26 13 15.83	-0.069	17	0.31	1.395	16	33.8	14.72	16	33.8	G5 J	14	734	E -26 523
22		9.1R	30 5.425	0.0022	17	-26 46 57.14	0.063	17	0.31	5.389	16	33.8	58.16	16	33.8	G0 J	13B	545	J -27 524
23		8.5T	30 10.621	0.0029	13	-29 58 57.64	-0.039	14	0.73	10.474	18	98.8	55.62	18	98.3	F0	GC	1871	C -30 509
24		9.2R	30 11.721	0.0045	17	-28 37 28.82	-0.028	17	0.31	11.648	16	33.8	28.37	16	33.8	G0 J	13B	547	J -29 493
25		9.2R	30 16.523	0.0017	15	-24 28 42.38	0.000	15	0.29	16.495	16	33.8	42.38	16	33.8	K2 J	14	735	E -24 653
26		8.4R	30 20.575	0.0018	18	-22 40 13.57	0.020	18	0.33	20.546	16	33.8	13.89	16	33.8	A0 J	14	736	E -23 556
27		8.4A	30 28.098	0.0006	18	-21 20 38.36	-0.006	13	0.30	28.084	16	33.8	38.26	16	33.8	M0 J	13A	411	A -21 249
28		9.4R	30 33.727	-0.0021	18	-22 49 40.15	0.018	18	0.33	33.761	16	33.8	40.43	16	33.8	K2 J	14	737	E -23 559
29		9.1R	30 37.081	0.0021	12	-26 14 46.26	0.015	12	0.25	37.047	16	33.8	46.51	16	33.8	F8 J	13B	548	J -28 481
30		9.6R	30 44.928	-0.0009	18	-21 58 38.41	-0.010	18	0.33	44.943	16	33.8	38.25	16	33.8	A3 J	14	739	E -22 531
31		9.0R	30 45.111	0.0098	18	-22 4 45.72	0.120	18	0.33	44.952	16	33.8	47.67	16	33.8	G5 J	14	738	E -22 530
32		8.1R	30 45.596	-0.0023	12	-29 20 53.34	-0.019	12	0.25	45.634	16	33.8	53.04	16	33.8	K5 J	13B	549	J -29 499
33		9.1R	30 47.848	-0.0060	12	-25 10 3.24	-0.182	12	0.25	47.945	16	33.8	0.30	16	33.8	K2 J	14	740	E -25 636
34		6.9T	30 52.920	0.0215	11	-24 25 55.23	-0.152	10	0.56	51.826	12	99.0	47.11	14	96.5	K0	GC	1883	C* -24 658
35		7.9R	30 54.544	0.0057	20	-25 55 23.37	-0.062	20	0.35	54.452	16	33.8	22.37	16	33.8	K0 J	14	742	E -26 527
36		9.6R	30 57.012	-0.0012	18	-22 34 44.54	-0.021	18	0.33	57.032	16	33.8	44.20	16	33.8	G0 J	14	743	E -22 532
37		8.7A	31 0.686	0.0030	18	-20 21 40.14	0.011	13	0.30	0.638	16	33.8	40.31	16	33.8	A2 J	13A	415	A -20 290
38		8.4A	31 28.286	0.0012	18	-21 17 20.36	-0.067	13	0.30	28.246	16	33.8	19.27	16	33.8	F8 J	13A	416	A -21 252
39		9.1R	31 31.128	-0.0018	18	-27 10 11.33	-0.071	18	0.33	31.157	16	33.8	10.18	16	33.8	G5 J	13B	552	J -27 532
40		9.2R	31 33.637	-0.0038	12	-28 34 30.38	0.008	12	0.25	33.698	16	33.8	30.51	16	33.8	K7 J	13B	553	J -28 487
41		9.4R	31 40.846	0.0015	18	-23 14 43.22	0.011	18	0.33	40.822	16	33.8	43.40	16	33.8	K0 J	14	744	E -23 566
42		8.9R	31 43.918	0.0013	18	-23 2 0.67	0.015	18	0.33	43.898	16	33.8	0.91	16	33.8	M2 J	14	745	E -23 567
43		8.8R	31 44.626	0.0003	12	-29 33 29.09	-0.007	12	0.25	44.621	16	33.8	28.98	16	33.8	F8 J	13B	554	J -29 507
44		7.1T	31 46.104	0.0004	13	-29 2 22.08	0.005	11	0.67	46.082	18	98.9	22.36	18	95.5	K2	GC	1896	C -29 508
45		9.6R	31 51.235	-0.0031	18	-23 6 42.94	-0.004	18	0.33	51.285	16	33.8	42.88	16	33.8	K0 J	14	746	E -23 568
46		9.5R	31 54.788	0.0034	18	-22 29 30.60	0.014	18	0.33	54.733	16	33.8	30.83	16	33.8	K0 J	14	747	E -22 536
47		7.7T	31 58.271	0.0011	13	-27 37 8.22	0.039	13	0.70	58.215	18	99.6	10.27	18	97.9	A2	GC	1897	C -28 499
48		7.0T	32 3.973	-0.0020	13	-28 29 32.22	-0.020	12	0.67	4.076	15	96.5	31.18	17	96.7	M0	GC	1899	C* -28 490
49		8.8R	32 5.105	-0.0020	17	-29 38 28.39	-0.003	17	0.31	5.073	16	33.8	28.34	16	33.8	F5 J	13B	560	J -30 524
50		9.4R	32 13.066	-0.0008	20	-26 27 21.15	0.024	20	0.35	13.079	16	33.8	21.54	16	33.8	K0 J	14	748	E -26 531
51		8.2R	1 32 14.898	0.0002	17	-28 53 39.31	-0.035	17	0.31	14.895	16	33.8	38.75	16	33.8	K2 J	13B	562	J -29 513
52		9.1A	32 25.419	0.0017	18	-20 36 12.98	-0.006	13	0.30	25.391	16	33.8	12.88	16	33.8	K0 J	13A	419	A -21 256
53		6.5T	32 29.446	0.0021	11	-23 57 18.35	0.035	10	0.62	29.332	15	94.8	20.38	15	92.5	K0	GC	1917	C* -24 666
54		8.5R	32 34.658	-0.0002	18	-23 8 32.53	-0.026	18	0.33	34.662	16	33.8	32.11	16	33.8	K0 J	14	750	E -23 574
55		9.1R	32 40.743	-0.0029	22	-23 42 58.36	0.080	22	0.40	40.790	16	33.8	59.66	16	33.8	G0 J	14	751	E -24 668
56		9.1R	32 42.459	0.0076	18	-22 41 11.59	0.029	18	0.33	42.336	16	33.8	12.05	16	33.8	G0 J	14	752	E -23 577
57		8.5R	32 46.359	0.0037	15	-23 42 13.34	0.070	15	0.29	46.300	16	33.8	14.47	16	33.8	F5 J	14	753	E -24 669
58		8.9A	32 47.593	0.0016	20	-20 31 1.08	-0.024	15	0.32	47.567	16	33.8	0.69	16	33.8	K2 J	13A	421	A -21 257
59		9.0A	32 53.690	-0.0021	18	-21 18 44.75	-0.014	15	0.31	53.724	16	33.8	44.53	16	33.8	G0 J	13A	422	A -21 258
60		9.0R	33 2.029	-0.0015	20	-24 21 56.74	0.018	20	0.35	2.054	16	33.8	57.03	16	33.8	G5 J	14	754	E -24 671
61		8.7R	33 8.115	-0.0000	17	-25 41 15.97	0.024	17	0.31	8.116	16	33.8	16.36	16	33.8	K0 J	14	755	E -26 538
62		8.4R	33 13.341	-0.0012	15	-24 45 32.98	0.006	15	0.29	13.361	16	33.8	33.07	16	33.8	K0 J	14	756	E -25 651
63		9.4R	33 30.297	-0.0005	20	-23 31 39.30	0.004	20	0.35	30.305	16	33.8	39.36	16	33.8	G0 J	14	757	E -23 582
64		9.2R	33 30.731	0.0024	20	-27 50 30.42	0.037	20	0.35	30.692	16	33.8	31.02	16	33.8	M1 J	13B	568	J -28 499
65		9.4R	33 33.981	-0.0011	20	-26 46 23.38	-0.015	20	0.35	33.999	16	33.8	23.14	16	33.8	G0 J	13B	569	J -27 544
66		8.5A	33 44.339	0.0054	18	-20 46 22.03	-0.002	13	0.30	44.251	16	33.8	22.00	16	33.8	K0 J	13A	428	A -21 264
67		8.4R	33 50.044	0.0006	15	-26 10 35.96	-0.036	15	0.29	50.035	16	33.8	36.55	16	33.8	G5 J	14	759	E -26 545
68		8.5R	33 51.821	-0.0045	17	-29 38 50.68	-0.019	17	0.31	51.894	16	33.8	50.38	16	33.8	K0 J	13B	572	J -30 541
69		9.1R	33 51.835	-0.0012	18	-21 52 58.61	0.024	18	0.33	51.853	16	33.8	59.01	16	33.8	G5 J	14	758	E -22 543
70		9.3R	33 53.407	-0.0012	18	-22 44 17.03	-0.000	18	0.33	53.427	16	33.8	17.03	16	33.8	K2 J	14	760	E -23 587
71		9.4R	33 54.286	0.0017	20	-26 21 30.01	0.004	20	0.35	54.259	16	33.8	30.08	16	33.8	F8 J	14	762	E -26 547
72		8.3R	33 55.063	-0.0017	18	-22 41 26.89	-0.011	18	0.33	55.091	16	33.8	26.71	16	33.8	F0 J	14	761	E -23 589
73		9.1R	34 21.929	-0.0024	20	-21 42 14.83	-0.064	15	0.32	21.967	16	33.8	13.80	16	33.8	F8 J	14	763	E -22 545
74		8.1R	34 23.098	0.0005	18	-22 41 48.24	0.052	18	0.33	23.089	16	33.8	49.08	16	33.8	K0 J	14	764	E -23 591
75		9.0A	34 24.491	0.0033	15	-20 55 46.48	0.001	11	0.26	24.437	16	33.8	46.50	16	33.8	F8 J	13A	431	A -21 266
76		8.7R	34 37.718	0.0005	20	-26 26 47.61	0.016	20	0.35	37.710	16	33.8	47.87	16	33.8	K0 J	14	765	E -26 553
77		8.6R	34 38.999	-0.0012	17	-25 53 21.17	0.028	17	0.31	39.019	16	33.8	21.63	16	33.8	K0 J	14	766	E -26 554
78		8.4T	34 48.668	0.0001	12	-25 16 11.29	0.024	11	0.61	48.664	18	00.6	12.53	17	98.8	F5	GC	1963	C -25 660
79		8.1T	34 49.229	0.0236	18	-29 38 48.32	-0.070	18	0.68	48.109	18	02.5	45.07	19	03.6	K0	GC	1964	C -30 549
80		9.5R	34 54.148	0.0038	20	-29 42 55.75	0.007	20	0.35	54.086	16	33.8	55.87	16	33.8	K0 J	13B	576	J -30 551
81		9.2R	35 6.570	0.0014	12	-27 43 31.76	0.041	12	0.25	6.547	16	33.8	32.43	16	33.8	G5 J	13B	577	J -28 503
82		9.2R	35 18.756	-0.0011	18	-24 4 56.97	0.025	18	0.33	18.773	16	33.8	57.37	16	33.8	G0 J	14	768	E -24 685
83		8.5R	35 20.568	-0.0000	20	-25 49 17.58	-0.019	20	0.35	20.569	16	33.8	17.25	16	33.8	G0 J	14	769	E -26 563
84		9.4R	35 25.322	-0.0032	18	-27 32 42.04	-0.070	18	0.33	25.374	16	33.8	40.91	16	33.8	K0 J	13B	581	J -27 550
85		9.1R	35 25.639	0.0001	17	-29 5 33.11	-0.009	17	0.31	25.638	16	33.8	32.97	16	33.8	K0 J	13B	582	J -29 529
86		9.3R	35 28.689	-0.0037	20	-25 40 25.43	-0.022	20	0.35	28.748	16	33.8	25.08	16	33.8	G0 J	14	771	E -26 564
87		8.9R	35 28.817	0.0018	15	-24 17 1.55	-0.022	15	0.29	28.788	16	33.8	1.20	16	33.8	K2 J	14	770	E -24 687
88		8.3R	35 39.448	0.0003	20	-27 28 34.64	-0.006	20	0.35	39.443	16	33.8	34.55	16	33.8	G5 J	13B	583	J -27 551
89		8.9R	35 41.007	0.0028	15	-22 40 45.65	-0.002	15	0.29	40.962	16	33.8	45.61	16	33.8	K5 J	14	772	E -23 600
90		9.4R	36 4.956	0.0008	18	-24 17 40.40	-0.022	18	0.33	4.946	16	33.8	40.05	16	33.8	K5 J	14	773	E -24 688
91		9.1R	36 5.139	0.0015	12	-28 55 17.34	0.018	12	0.25	5.114	16	33.8	17.64	16	33.8	G0 J	13B	586	J -29 535
92		9.1R	36 6.418	0.0017	12	-28 49 0.57	0.026	12	0.25	6.391	16	33.8	1.00	16	33.8	F5 J	13B	587	J -29 536
93		9.4R	36 7.880	-0.0008	15	-23 10 24.82	-0.067	15	0.29	7.893	16	33.8	23.74	16	33.8	G0 J	14	774	E -23 604
94		9.6R	36 11.355	0.0051	18	-24 42 3.69	-0.003	18	0.33	11.272	16	33.8	3.64	16	33.8	G0 J	14	775	E -25 666
95		9.0R	36 14.007	-0.0004	20	-27 36 38.47	0.016	20	0.35	14.014	16	33.8	38.73	16	33.8	F2 J	13B	588	J -27 554
96		9.4R	36 16.414	0.0080	18	-22 41 58.88	0.032	18	0.33	16.285	16	33.8	59.40	16	33.8	K2 J	14	776	E -23 605
97		8.8R	36 19.400	-0.0003	18	-26 12 35.07	0.015	18	0.33	19.406	16	33.8	35.30	16	33.8	K0 J	14	777	E -26 576
98		5.7T	36 28.355	0.0083	08	-21 31 46.10	0.040	06	0.32	28.016	10	09.4	47.92	10	04.9	F0	GC	1995	B* -22 272
99		8.4T	36 29.189	-0.0001	06	-25 16 32.71	0.015	05	0.29	29.191	10	01.7	33.47	10	99.7	A0	GC	1996K	C* -25 670
00		8.9R	36 37.409	0.0197	18	-27 30 21.61	-0.043	18	0.33	37.086	16	33.8	20.91	16	33.8	G5 J	13B	589	J -27 555

167200

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	σ'_μ ″.001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.		SOURCE CAT.	STAR NUMBER	-20° 1H DM NUMBER
1		8.6R	1 36 47.169	-0.0068	18	-23 22 47.52	-0.089	18	0.33	47.279	16	33.8	46.07	16	33.8	F8	J	14	780	E -23 614
2		7.4T	36 58.161	0.0028	13	-29 16 34.05	0.009	12	0.68	58.016	18	98.8	34.55	18	96.4	A3		GC	2006	C -29 542
3		8.9R	37 10.932	0.0008	12	-27 57 22.55	0.016	12	0.25	10.920	16	33.8	22.81	16	33.8	K2	J	13B	591	J -28 513
4		9.6R	37 20.594	-0.0005	16	-22 38 10.66	-0.016	18	0.33	20.602	16	33.8	10.40	16	33.8	G0	J	14	781	E -23 616
5	10.5	10.5W	37 25.092	0.0003	21	-29 53 19.54	-0.007	21	0.44	25.087	22	31.9	19.41	21	31.9			C7	582	C -30 566
6		8.8A	37 27.006	0.0036	15	-20 46 14.11	-0.003	11	0.26	26.948	16	33.8	14.07	16	33.8	F5	J	13A	444	A -21 274
7		9.1R	37 29.057	-0.0013	12	-28 31 41.82	-0.014	12	0.25	29.079	16	33.8	41.60	16	33.8	F8	J	13B	593	J -28 514
8		7.0R	37 31.939	-0.0011	15	-23 9 58.35	-0.025	18	0.31	31.958	16	33.8	57.95	16	33.8	M1	J	14	782	E -23 620
9		9.1R	37 34.726	-0.0040	18	-22 38 15.00	-0.023	18	0.33	34.791	16	33.7	14.63	16	33.7	A2	J	14	783	E -23 621
10	10.2	10.0W	37 42.346	0.0027	21	-29 55 36.17	0.030	21	0.44	42.297	22	31.9	36.71	21	31.9	G0		C7	585	C -30 567
11		8.9R	37 44.525	-0.0011	12	-28 36 13.52	0.019	12	0.25	44.543	16	33.8	13.83	16	33.8	K0	J	13B	595	J -28 516
12		9.6R	37 46.536	-0.0011	18	-23 35 41.64	-0.007	18	0.33	46.553	16	33.7	41.52	16	33.7	K0	J	14	784	E -23 622
13		9.1R	37 51.109	-0.0014	12	-25 32 42.48	0.034	12	0.25	51.132	16	33.7	43.03	16	33.7	G0	J	14	785	E -25 679
14		8.6R	37 53.993	-0.0015	18	-24 5 55.82	-0.004	18	0.33	54.018	16	33.7	55.75	16	33.7	K0	J	14	786	E -24 700
15		8.8A	38 1.897	0.0004	17	-21 15 51.65	0.000	12	0.28	1.890	16	33.8	51.65	16	33.8	K2	J	13A	445	A -21 276
16		9.2R	38 7.777	0.0047	18	-24 27 52.66	0.054	18	0.33	7.701	16	33.7	53.54	16	33.7	G5	J	14	787	E -24 703
17		9.0A	38 15.000	0.0004	18	-20 20 59.49	0.008	13	0.30	14.993	16	33.8	59.62	16	33.8	A0	J	13A	448	A -20 309
18		8.9A	38 18.746	0.0005	20	-20 43 46.88	0.021	15	0.32	18.738	16	33.8	47.22	16	33.8	F8	J	13A	449	A -21 277
19		9.0R	38 20.742	0.0006	18	-23 2 16.91	-0.036	18	0.33	20.732	16	33.7	16.32	16	33.7	F8	J	14	788	E -23 623
20		8.5A	38 27.098	-0.0003	20	-20 37 4.35	0.001	15	0.32	27.103	16	33.8	4.36	16	33.8	F2	J	13A	450	A -21 278
21		9.0R	38 27.751	0.0079	17	-28 17 17.65	0.035	12	0.28	27.624	16	33.8	18.22	16	33.8	F5	J	13B	599	J -28 523
22		8.6R	38 29.432	-0.0010	12	-28 31 56.69	-0.002	12	0.25	29.448	16	33.8	56.66	16	33.8	K2	J	13B	600	J -28 525
23		9.4R	38 33.226	-0.0023	18	-27 14 14.75	0.055	18	0.33	33.262	16	33.8	15.64	16	33.8	G0	J	13B	601	J -27 565
24		9.5R	38 35.540	0.0025	15	-23 2 0.52	0.002	15	0.29	35.500	16	33.7	0.54	16	33.7	A3	J	14	789	E -23 625
25		8.6R	38 39.231	0.0008	12	-28 10 57.63	0.014	12	0.25	39.219	16	33.8	57.86	16	33.8	G5	J	13B	602	J -28 527
26		9.0R	38 45.689	0.0020	20	-27 16 13.26	0.022	20	0.35	45.657	16	33.8	13.62	16	33.8	K5	J	13B	603	J -27 567
27		8.5R	38 46.319	-0.0020	12	-28 15 40.81	0.037	12	0.25	46.351	16	33.8	41.41	16	33.8	G5	J	13B	604	J -28 529
28		8.4T	38 47.449	0.0002	11	-21 58 19.27	-0.020	11	0.57	47.436	17	99.0	18.26	15	98.5	F0		GC	2053K	B*-22 277
29		8.6A	38 52.077	0.0012	18	-21 35 27.80	0.008	13	0.30	52.058	16	33.8	27.93	16	33.8	G5	J	13A	453	A -22 278
30		9.0A	38 54.597	0.0098	18	-20 11 29.01	0.046	15	0.31	54.439	16	33.8	29.75	16	33.8	G5	J	13A	454	A -20 311
31		8.9R	38 58.588	0.0013	12	-24 52 49.99	-0.052	12	0.25	58.567	16	33.7	49.14	16	33.7	K0	J	14	791	E -25 684
32		9.0R	38 58.930	-0.0007	18	-26 21 32.20	0.004	18	0.33	58.941	16	33.7	32.28	16	33.7	K2	J	14	792	E -26 593
33		8.7R	39 2.024	0.0014	18	-22 23 19.50	0.001	18	0.33	2.001	16	33.7	19.52	16	33.7	K0	J	14	793	E -22 566
34		9.3R	39 11.646	0.0021	12	-25 8 59.25	0.005	12	0.25	11.612	16	33.7	59.33	16	33.7	G0	J	14	794	E -25 688
35		9.1R	39 26.111	0.0002	12	-24 45 49.30	-0.031	12	0.25	26.108	16	33.7	48.79	16	33.7	G5	J	14	795	E -25 689
36		8.4R	39 27.264	-0.0064	12	-28 13 18.44	-0.056	12	0.25	27.367	16	33.8	17.53	16	33.8	G0	J	13B	605	J -28 532
37		9.1R	39 29.964	-0.0019	17	-26 38 30.44	-0.013	17	0.31	29.994	16	33.7	30.23	16	33.7	G0	J	14	796	E -27 571
38		9.1R	39 46.713	0.0036	12	-27 48 31.62	0.011	12	0.25	46.654	16	33.8	31.80	16	33.8	F8	J	13B	607	J -28 535
39		8.8R	39 57.406	0.0003	18	-24 8 11.25	-0.008	18	0.33	57.401	16	33.7	11.12	16	33.7	F2	J	14	797	E -24 716
40		8.9R	40 5.297	-0.0004	18	-23 11 27.83	-0.089	18	0.33	5.304	16	33.7	26.38	16	33.7	F8	J	14	798	E -23 630
41		8.5R	40 9.473	0.0005	12	-28 49 51.51	0.017	12	0.25	9.466	16	33.8	51.79	16	33.8	F5	J	13B	608	J -29 553
42		7.3T	40 12.521	-0.0006	28	-20 25 29.09	-0.048	22	1.20	12.548	27	05.0	26.86	27	03.8	K0		GC	2094	-20 318
43		9.1R	40 22.305	0.0038	18	-21 53 51.78	-0.026	18	0.33	22.243	16	33.7	51.36	16	33.7	F8	J	14	799	E -22 572
44		9.1R	40 25.336	0.0009	13	-27 43 50.64	0.006	13	0.27	25.321	16	33.8	50.74	16	33.8	F5	J	13B	609	J -28 538
45		9.1R	40 27.974	0.0033	12	-24 56 24.60	-0.010	12	0.25	27.961	16	33.7	24.43	16	33.7	G5	J	14	800	E -25 695
46	10.9	10.3W	40 31.204	0.0004	21	-29 55 42.89	-0.004	21	0.44	31.197	22	31.9	42.81	21	31.9			C7	602	C -30 581
47		9.5R	40 44.562	-0.0029	18	-26 54 56.44	-0.023	18	0.33	44.608	16	33.8	56.07	16	33.8	G5	J	13B	611	J -27 575
48		8.8R	40 44.785	-0.0009	18	-24 10 13.88	-0.044	18	0.33	44.800	16	33.7	13.17	16	33.7	K0	J	14	801	E -24 724
49		8.2R	40 51.861	0.0036	18	-21 52 15.20	-0.009	18	0.33	51.802	16	33.7	15.06	16	33.7	G5	J	14	802	E -22 574
50		9.1R	40 52.160	0.0025	18	-23 59 59.08	-0.005	18	0.33	52.119	16	33.7	59.00	16	33.7	F8	J	14	803	E -24 725
51		9.4R	1 41 1.848	-0.0011	20	-26 55 34.40	0.008	20	0.35	1.865	16	33.8	34.53	16	33.8	G5	J	13B	613	J -27 576
52		9.1R	41 2.768	-0.0010	12	-29 39 53.24	-0.020	12	0.25	2.784	16	33.8	52.92	16	33.8	A2	J	13B	614	J -30 585
53		9.4R	41 3.610	-0.0029	12	-25 50 56.78	-0.019	12	0.25	3.656	16	33.7	56.46	16	33.7	G5	J	14	807	E -26 611
54		9.0R	41 5.889	0.0031	18	-22 32 4.25	-0.062	18	0.33	5.840	16	33.7	3.23	16	33.7	G0	J	14	806	E -22 575
55		8.5R	41 11.058	0.0042	18	-22 59 8.91	-0.019	18	0.33	10.991	16	33.7	8.60	16	33.7	K2	J	14	808	E -23 637
56		9.0R	41 13.693	0.0046	15	-24 25 7.33	-0.053	15	0.29	13.619	16	33.7	6.47	16	33.7	K0	J	14	809	E -24 729
57		9.2R	41 23.393	0.0021	18	-25 30 27.68	-0.021	18	0.33	23.359	16	33.7	27.35	16	33.7	A3	J	14	810	E -25 698
58		8.9R	41 24.670	0.0061	20	-27 15 21.51	-0.052	15	0.32	24.571	16	33.8	20.67	16	33.8	G0	J	13B	615	J -27 579
59		9.5R	41 31.413	-0.0051	18	-23 51 3.87	-0.077	18	0.33	31.497	16	33.7	2.62	16	33.7	F8	J	14	811	E -24 732
60		9.4R	41 36.884	0.0053	21	-26 39 18.93	-0.044	21	0.37	36.797	16	33.7	18.22	16	33.7	G0	J	14	812	E -27 580
61		8.7R	41 44.777	0.0004	15	-23 51 5.48	-0.008	15	0.29	44.771	16	33.7	5.36	16	33.7	G0	J	14	814	E -24 734
62		9.0R	41 51.390	0.0027	18	-24 32 59.39	-0.020	18	0.33	51.347	16	33.7	59.06	16	33.7	F2	J	14	815	E -24 735
63		7.8Q	41 59.770	-0.0043	12	-20 50 34.05	-0.311	12	0.58	59.958	17	06.0	20.24	18	05.6	G0		GC	2127	-21 288
64		8.7A	42 23.518	0.0035	18	-20 24 4.02	-0.049	15	0.31	23.462	16	33.8	3.22	16	33.8	G0	J	13A	470	A -20 330
65		7.0T	42 39.957	-0.0025	14	-28 58 33.68	-0.082	12	0.72	40.082	18	99.1	29.34	18	97.0	M0		GC	2136	C -29 564
66		9.1R	42 42.662	0.0001	12	-26 50 38.95	0.084	12	0.25	42.661	16	33.8	40.31	16	33.8	G0	J	13B	619	J -27 591
67		9.1A	42 45.045	0.0011	20	-20 18 7.79	-0.024	15	0.32	45.028	16	33.8	7.40	16	33.8	F5	J	13A	472	A -20 331
68		7.6R	42 46.546	-0.0001	20	-28 47 31.58	-0.013	20	0.35	46.547	16	33.8	31.38	16	33.8	G5	J	13B	620	J -29 566
69		8.4R	42 48.649	-0.0016	20	-26 6 1.16	0.044	20	0.35	48.675	16	33.7	1.88	16	33.7	K2	J	14	818	E -26 620
70		8.2R	42 55.942	0.0092	20	-26 36 36.63	0.032	20	0.35	55.793	16	33.7	37.16	16	33.7	F8	J	14	819	E -26 621
71		9.0R	42 56.316	0.0030	20	-28 8 28.18	0.009	20	0.35	56.268	16	33.8	28.33	16	33.8	K5	J	13B	623	J -28 547
72		8.2R	43 3.072	-0.0020	15	-22 14 14.23	-0.022	15	0.29	3.103	16	33.7	13.88	16	33.7	G0	J	14	820	E -22 587
73		7.5R	43 13.992	-0.0030	17	-26 38 49.49	-0.009	17	0.31	14.040	16	33.7	49.64	16	33.7	M0	J	14	821	E -27 592
74		8.7R	43 14.441	-0.0001	20	-27 39 39.34	-0.042	20	0.35	14.442	16	33.8	38.66	16	33.8	K0	J	13B	624	J -28 550
75		5.4H	43 18.256	0.0117	02	-25 18 6.64	-0.056	02	0.08	17.829	03	13.7	4.51	04	11.9	F0		F4	61	C -25 704
76		9.0R	43 20.296	0.0044	18	-22 25 20.09	0.011	18	0.33	20.224	16	33.7	20.27	16	33.7	G5	J	14	823	E -22 588
77		7.9R	43 25.419	0.0002	15	-26 33 26.76	-0.046	15	0.29	25.415	16	33.7	26.02	16	33.7	K2	J	14	824	E -26 622
78		8.6R	43 27.593	-0.0031	20	-26 30 12.41	-0.074	20	0.35	27.643	16	33.7	13.62	16	33.7	G0	J	14	825	E -26 623
79		6.4T	43 42.270	0.0070	07	-27 35 53.30	-0.048	07	0.28	42.013	07	13.4	51.46	09	11.4	A5		GC	2152	C -27 595
80		9.0R	43 50.073	-0.0011	17	-28 8 7.38	-0.003	17	0.31	50.090	16	33.8	7.43	16	33.8	K7	J	13B	627	J -28 553
81		9.0R	43 55.352	-0.0023	20	-29 23 34.77	-0.056	20	0.35	55.389	16	33.8	33.87	16	33.8	F5	J	13B	629	J -29 571
82		9.6R	44 4.162	-0.0037	18	-21 40 0.79	0.009	18	0.33	4.221	16	33.7	0.94	16	33.7	K2	J	14	826	E -22 592
83		9.4R	44 9.268	-0.0033	18	-22 54 19.15	0.021	18	0.33	9.322	16	33.7	19.48	16	33.7	G5	J	14	827	E -23 650
84		9.0R	44 14.894	-0.0014	20	-28 27 3.27	0.020	20	0.35	14.916	16	33.8	3.60	16	33.8	G0	J	13B	630	J -28 555
85	10.5	9.9W	44 15.833	-0.0085	21	-29 50 29.03	-0.222	21	0.44	15.987	22	31.9	25.01	21	31.9	G2	L	C7	618	C -30 607
86		9.4R	44 18.115	-0.0042	17	-28 26 3.43	-0.029	17	0.31	18.182	16	33.8	2.96	16	33.8	F2	J	13B	632	J -28 556
87		8.1R	44 20.681	0.0125	18	-24 15 53.57	0.086	18	0.33	20.478	16	33.7	54.97	16	33.7	G5	J	14	828	E -24 751
88		9.2R	44 34.025	-0.0013	15	-23 24 42.61	0.025	15	0.29	34.046	16	33.7	43.02	16	33.7	G0	J	14	829	E -23 653
89		8.5R	44 37.517	0.0001	20	-27 55 7.20	-0.006	20	0.35	37.516	16	33.8	7.11	16	33.8	F5	J	13B	634	J -28 559
90		9.6R	44 43.795	-0.0021	15	-27 12 0.35	0.003	15	0.29	43.829	16	33.8	0.40	16	33.8	F5	J	13B	635	J -27 600
91		8.5R	44 50.998	-0.0009	18	-25 56 36.84	-0.007	18	0.33	51.013	16	33.7	36.73	16	33.7	K0	J	14	831	E -26 631
92		9.1R	44 56.976	0.0030	15	-26 56 8.72	-0.010	12	0.27	56.926	16	33.7	8.56	16	33.7	G5	J	13B	637	J -27 602
93		8.8R	45 2.882	-0.0001	12	-28 15 23.67	0.008	12	0.25	2.883	16	33.7	23.80	16	33.7	G5	J	13B	638	J -28 562
94		8.5R	45 5.629	-0.0023	17	-29 2 36.05	-0.044	17	0.31	5.666	16	33.7	35.34	16	33.7	G0	J	13B	639	J -29 582
95		7.7R	45 9.293	-0.0006	20	-28 56 0.06	-0.029	20	0.35	9.303	16	33.7	59.59	16	33.7	G5	J	13B	640	J -29 583
96		9.2R	45 12.431	-0.0040	18	-23 4 17.16	-0.054	18	0.33	12.497	16	33.7	16.28	16	33.7	F5	J	14	832	E -23 658
97		8.9R	45 14.503	-0.0018	17	-29 9 45.90	0.039	17	0.31	14.533	16	33.7	46.54	16	33.7	G0	J	13B	641	J -29 584
98		6.7T	45 16.469	0.0020	10	-21 5 36.71	-0.041	08	0.38	16.387	09	09.4	35.02	09	08.7	K0		GC	2184	-21 300
99		9.2R	45 18.097	0.0002	15	-22 38 30.85	0.019	15	0.29	18.093	16	33.7	31.15	16	33.7	F8	J	14	833	E -23 660
00		8.6R	45 20.066	-0.0077	17	-26 59 42.70	-0.276	17	0.31	20.191	16	33.7	38.22	16	33.7	G5	J	13B	642	J -27 605

167300 — EPOCH 1950 — ORIGINAL EPOCH — -20° 1H

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	DM NUMBER
1		8.7T	1 45 23.806	0.0034	14	-29 58 16.94	-0.056	12	0.69	23.640	21	00.7	13.92	18	96.1	B8	GC	2187	C -30 615
2		9.0R	45 35.962	-0.0022	20	-27 24 13.67	-0.105	20	0.35	35.997	16	33.7	11.97	16	33.7	K0 J	13B	644	J -27 607
3		9.3R	45 38.022	0.0018	18	-22 51 58.27	0.012	18	0.33	37.992	16	33.7	58.46	16	33.7	G0 J	14	834	E -23 661
4		9.4R	45 40.389	-0.0022	20	-23 1 45.22	-0.122	20	0.35	40.425	16	33.7	43.24	16	33.7	K0 J	14	835	E -23 662
5		8.9R	45 42.698	0.0057	15	-22 28 22.24	0.046	20	0.32	42.605	16	33.7	23.00	16	33.7	F5 J	14	836	E -22 601
6		9.2R	45 43.731	0.0005	13	-28 15 31.53	0.020	13	0.27	43.724	16	33.7	31.86	16	33.7	K2 J	13B	646	J -28 564
7		8.6R	45 57.135	-0.0009	20	-25 50 58.10	0.010	20	0.35	57.149	16	33.7	58.27	16	33.7	G5 J	14	837	E -26 639
8		8.8R	46 0.095	0.0002	20	-26 20 57.78	0.025	20	0.35	0.092	16	33.7	58.20	16	33.7	G0 J	14	838	E -26 640
9		8.3A	46 2.577	0.0033	18	-20 53 30.20	-0.021	15	0.31	2.525	16	33.8	29.87	16	33.8	A5 J	13A	481	A -21 306
10		8.3R	46 5.206	0.0076	18	-22 28 11.50	-0.042	18	0.33	5.081	16	33.7	10.82	16	33.7	G5 J	14	839	E -22 602
11		9.4R	46 14.965	-0.0044	20	-27 18 17.39	0.016	20	0.35	15.036	16	33.7	17.65	16	33.7	F8 J	13B	647	J -27 613
12		7.2T	46 17.208	-0.0029	09	-26 30 7.20	0.008	08	0.49	17.363	15	96.7	7.66	14	95.0	A3	GC	2204	C -26 642
13		8.6R	46 17.349	-0.0002	12	-26 48 12.20	0.025	12	0.25	17.351	16	33.7	12.61	16	33.7	F0 J	13B	648	J -27 615
14		9.2R	46 21.762	0.0027	18	-24 0 43.10	-0.020	18	0.33	21.718	16	33.7	42.78	16	33.7	K2 J	14	841	E -24 771
15		8.1R	46 22.509	0.0054	18	-24 7 6.19	0.002	18	0.33	22.422	16	33.7	6.23	16	33.7	F5 J	14	842	E -24 772
16		8.8R	46 25.009	0.0007	12	-29 31 4.34	-0.005	12	0.25	24.997	16	33.7	4.26	16	33.7	G5 J	13D	649	J -29 589
17		8.6A	46 26.408	0.0040	18	-21 15 14.82	-0.103	13	0.30	26.343	16	33.8	13.16	16	33.8	G0 J	13A	483	A -21 310
18		8.5R	46 32.912	-0.0026	12	-26 23 57.39	0.013	12	0.25	32.954	16	33.7	57.61	16	33.7	F5 J	14	843	E -26 644
19		8.3R	46 42.338	-0.0030	20	-26 16 52.33	-0.009	20	0.35	42.387	16	33.7	52.19	16	33.7	K0 J	14	844	E -26 645
20		8.9R	46 48.451	-0.0062	15	-22 35 14.01	-0.070	15	0.29	48.553	16	33.7	12.87	16	33.7	G5 J	14	845	E -22 606
21		8.0R	46 58.176	0.0049	20	-27 18 56.34	-0.043	20	0.35	58.096	16	33.7	57.05	16	33.7	K5 J	13B	653	J -27 623
22		9.2R	47 1.743	0.0095	18	-22 44 24.44	-0.010	18	0.33	1.589	16	33.7	24.28	16	33.7	G5 J	14	847	E -23 672
23		8.0R	47 4.399	0.0018	13	-28 1 20.66	0.015	13	0.27	4.370	16	33.7	20.91	16	33.7	K5 J	13B	654	J -28 575
24		9.2R	47 11.686	-0.0012	18	-24 21 24.16	-0.028	18	0.33	11.706	16	33.7	23.71	16	33.7	K0 J	14	848	E -24 776
25		9.1R	47 19.076	0.0007	12	-29 31 47.31	0.005	12	0.25	19.064	16	33.7	47.39	16	33.7	A2 J	13B	657	J -29 599
26		8.7A	47 24.413	-0.0027	18	-20 39 4.46	-0.080	13	0.30	24.457	16	33.8	3.16	16	33.8	G5 J	13A	489	A -21 317
27		9.2R	47 24.940	-0.0029	17	-25 57 33.35	-0.045	17	0.31	24.986	16	33.7	32.62	16	33.7	F8 J	14	849	E -26 651
28		9.3R	47 31.370	-0.0010	18	-27 22 36.14	-0.004	18	0.33	31.386	16	33.7	36.08	16	33.7	F5 J	13B	658	J -27 625
29		8.9R	47 33.756	0.0005	18	-22 47 31.24	-0.023	18	0.33	33.749	16	33.7	30.86	16	33.7	G0 J	14	850	E -23 674
30		8.9R	47 34.126	0.0005	12	-27 15 19.65	-0.019	12	0.25	34.117	16	33.7	19.34	16	33.7	G0 J	13B	659	J -27 627
31		9.4R	47 34.553	0.0000	18	-22 34 4.86	-0.001	18	0.33	34.553	16	33.7	4.83	16	33.7	G0 J	14	851	E -22 611
32		9.2R	47 36.442	-0.0009	15	-25 41 29.44	-0.052	15	0.29	36.457	16	33.7	28.60	16	33.7	K0 J	14	852	E -26 653
33		9.2R	47 36.730	0.0005	12	-29 21 21.18	0.000	12	0.25	36.723	16	33.7	21.18	16	33.7	K5 J	13B	660	J -29 601
34		7.4T	47 40.802	0.0021	09	-29 17 17.39	-0.005	09	0.40	40.708	14	06.1	17.18	15	07.4	K0	GC	2220	C -29 602
35		8.9A	47 46.815	0.0020	18	-21 0 34.96	0.018	15	0.31	46.783	16	33.8	35.26	16	33.8	G5 J	13A	493	A -21 320
36		8.3R	47 52.264	-0.0016	12	-24 47 14.20	-0.019	12	0.25	52.290	16	33.7	13.89	16	33.7	K0 J	14	853	E -25 730
37		8.7A	47 56.274	0.0003	18	-20 7 48.62	-0.002	13	0.30	56.268	16	33.8	48.58	16	33.8	K0 J	13A	494	A -20 349
38		9.5R	47 57.556	-0.0008	20	-24 29 59.64	0.028	20	0.35	57.568	16	33.7	+ 0.09	16	33.7	G5 J	14	854	E -24 780
39		8.4R	47 59.930	0.0059	18	-24 1 8.85	-0.002	18	0.33	59.835	16	33.7	8.82	16	33.7	G5 J	14	855	E -24 781
40		8.4R	48 0.615	-0.0004	18	-23 0 53.57	-0.006	18	0.33	0.622	16	33.7	53.47	16	33.7	K5 J	14	856	E -23 678
41		9.4R	48 1.319	0.0029	20	-22 25 27.76	0.089	20	0.35	1.271	16	33.7	29.21	16	33.7	F8 J	14	857	E -22 613
42		8.7A	48 10.504	0.0018	18	-20 17 26.72	-0.040	13	0.30	10.476	16	33.8	26.07	16	33.8	G0 J	13A	496	A -20 351
43		8.4R	48 16.025	0.0004	13	-28 54 0.78	0.013	13	0.27	16.019	16	33.7	1.00	16	33.7	K0 J	13B	663	J -29 605
44		9.1R	48 16.174	-0.0016	12	-23 30 29.85	-0.014	12	0.25	16.200	16	33.7	29.62	16	33.7	K0 J	14	858	E -23 679
45		9.0R	48 21.829	-0.0004	18	-23 51 13.86	0.000	18	0.33	21.836	16	33.7	13.86	16	33.7	K0 J	14	859	E -24 785
46		9.4R	48 27.233	-0.0057	18	-21 47 5.08	-0.044	18	0.33	27.325	16	33.7	4.37	16	33.7	K5 J	14	860	E -22 616
47		9.3R	48 37.104	-0.0003	20	-26 51 42.41	0.055	20	0.35	37.109	16	33.7	43.31	16	33.7	G5 J	13B	664	J -27 632
48		9.2R	48 42.944	0.0019	13	-29 28 37.09	-0.014	13	0.27	42.913	16	33.7	36.87	16	33.7	K5 J	13B	665	J -29 611
49		9.4R	48 45.354	-0.0037	18	-22 24 59.97	0.008	18	0.33	45.413	16	33.7	+ 0.11	16	33.7	G5 J	14	861	E -22 619
50	10.8	10.0W	48 50.790	-0.0015	21	-29 57 17.58	-0.026	21	0.44	50.817	22	31.9	17.11	21	31.9	G2 L	C7	643	C -30 633
51		8.6R	1 48 51.771	-0.0006	15	-24 40 32.10	0.021	15	0.29	51.780	16	33.7	32.44	16	33.7	F2 J	14	862	E -25 733
52		9.0R	48 57.488	-0.0009	13	-28 49 38.39	-0.026	13	0.27	57.503	16	33.7	37.97	16	33.7	A0 J	13B	667	J -29 613
53		8.4R	49 17.527	-0.0003	18	-22 24 52.41	0.017	18	0.33	17.531	16	33.7	52.69	16	33.7	F0 J	14	863	E -22 620
54		8.9R	49 18.343	-0.0018	17	-28 50 56.93	0.017	17	0.31	18.373	16	33.7	57.21	16	33.7	K0 J	13B	671	J -29 617
55		8.5R	49 23.560	0.0005	17	-28 15 57.59	0.005	17	0.31	23.553	16	33.7	57.67	16	33.7	G5 J	13B	672	J -28 581
56		9.0R	49 23.857	0.0007	20	-29 3 39.90	0.045	20	0.35	23.846	16	33.7	40.64	16	33.7	G0 J	13B	673	J -29 618
57		8.2R	49 34.338	0.0011	18	-23 23 45.28	-0.012	18	0.33	34.321	16	33.7	45.08	16	33.7	A5 J	14	864K	E -23 686
58		8.4R	49 42.663	0.0021	18	-27 21 34.12	-0.021	18	0.33	42.629	16	33.7	33.78	16	33.7	G0 J	13B	676	J -27 642
59		9.0R	49 48.360	-0.0028	20	-29 16 23.25	0.028	20	0.35	48.406	16	33.7	23.71	16	33.7	F8 J	13B	678	J -29 620
60		8.0R	49 55.986	0.0018	20	-28 0 7.18	0.094	20	0.35	55.957	16	33.7	8.71	16	33.7	F2 J	13B	679	J -28 584
61		8.9A	49 56.834	-0.0019	15	-21 35 14.47	0.003	11	0.26	56.864	16	33.8	14.53	16	33.8	K0 J	13A	500	A -22 307
62		9.2R	49 57.856	-0.0058	20	-23 14 36.14	0.014	20	0.35	57.951	16	33.7	38.36	16	33.7	G5 J	14	865	E -23 687
63		9.1R	49 58.184	0.0008	18	-24 32 44.09	0.005	18	0.33	58.172	16	33.7	44.17	16	33.7	K5 J	14	866	E -24 797
64		9.0R	49 58.256	0.0010	20	-28 49 0.89	-0.011	20	0.35	58.240	16	33.7	0.72	16	33.7	K2 J	13B	680	J -29 623
65		8.6R	50 1.459	0.0022	12	-25 17 29.22	0.009	12	0.25	1.424	16	33.7	29.37	16	33.7	A3 J	14	867	E -25 741
66		8.1A	50 2.883	0.0080	18	-20 51 25.98	-0.026	13	0.30	2.754	16	33.8	25.56	16	33.8	G0 J	13A	501	A -21 327
67		9.1R	50 6.233	-0.0056	20	-25 57 41.54	-0.018	20	0.35	6.324	16	33.7	41.25	16	33.7	F5 J	14	868	E -26 669
68		8.8R	50 7.522	0.0004	12	-27 0 45.67	0.016	15	0.27	7.515	16	33.7	45.93	16	33.7	K0 J	13B	681	J -27 643
69		9.3R	50 15.603	0.0011	20	-29 37 49.97	0.013	20	0.35	15.585	16	33.7	50.19	16	33.7	A7 J	13B	682	J -29 625
70		8.9R	50 17.069	-0.0116	20	-26 48 59.95	-0.024	17	0.34	17.257	16	33.7	59.56	16	33.7	F2 J	13B	683	J -27 646
71		9.1R	50 18.458	-0.0101	20	-26 50 31.70	-0.017	20	0.35	18.622	16	33.7	31.43	16	33.7	F5 J	13B	684	J -27 647
72		8.7R	50 24.299	0.0010	20	-28 54 51.71	0.004	20	0.35	24.283	16	33.7	51.78	16	33.7	F5 J	13B	688	J -29 627
73		8.4R	50 24.728	-0.0064	20	-27 29 28.23	0.016	20	0.35	24.832	16	33.7	28.49	16	33.7	G0 J	13B	686	J -27 648
74		9.0T	50 25.296	0.0598	17	-22 40 51.41	0.007	16	0.83	22.360	17	00.9	51.75	17	00.5	K5	GC	2280	C*-23 693
75		8.3R	50 32.373	0.0029	20	-26 4 17.02	0.047	20	0.35	32.326	16	33.7	17.79	16	33.7	K2 J	14	870	E -26 675
76		9.6R	50 35.475	0.0072	18	-23 5 16.82	0.015	18	0.33	35.358	16	33.7	17.06	16	33.7	F5 J	14	871	E -23 696
77		8.9A	50 41.641	0.0002	15	-21 13 1.95	0.008	12	0.27	41.638	16	33.8	2.08	16	33.8	G0 J	13A	503	A -21 331
78		8.1R	51 1.831	-0.0003	18	-24 27 14.85	-0.028	18	0.33	1.835	16	33.7	14.39	16	33.7	K5 J	14	872	E -24 800
79		9.3R	51 5.983	0.0020	20	-28 36 43.67	0.051	20	0.35	5.951	16	33.7	44.50	16	33.7	F5 J	13B	691	J -28 593
80		8.9A	51 9.973	0.0009	18	-21 29 41.33	-0.230	13	0.30	9.958	16	33.8	37.60	16	33.8	K0 J	13A	505	A -21 333
81		9.0R	51 16.089	0.0023	17	-29 40 10.75	-0.022	17	0.31	16.032	16	33.7	10.40	16	33.7	F5 J	13B	694	J -30 653
82		9.2R	51 24.515	0.0006	18	-23 22 29.03	0.049	18	0.33	24.505	16	33.7	29.82	16	33.7	F5 J	14	873	E -23 697
83		9.3R	51 45.276	-0.0019	18	-21 46 19.35	-0.035	18	0.33	45.306	16	33.7	18.79	16	33.7	G5 J	14	875	E -22 633
84		8.7R	52 6.180	0.0017	12	-24 46 32.33	0.001	12	0.25	6.153	16	33.7	32.34	16	33.7	F5 J	14	876	E -25 747
85		8.3R	52 8.831	-0.0010	18	-26 35 23.46	-0.001	18	0.33	8.847	16	33.7	23.45	16	33.7	K0 J	14	877	E -26 688
86		9.2R	52 13.345	-0.0005	12	-25 1 35.50	0.003	12	0.25	13.353	16	33.7	35.55	16	33.7	F8 J	14	878	E -25 749
87	10.5	10.2W	52 18.282	-0.0003	21	-29 51 37.80	0.034	21	0.44	18.287	22	31.9	38.41	21	31.9		C7	667	C -30 660
88		8.6R	52 34.203	-0.0017	12	-29 21 51.33	-0.006	12	0.25	34.230	16	33.7	51.24	16	33.7	G5 J	13B	701	J -29 640
89		9.1R	52 37.491	0.0058	18	-23 1 52.52	0.016	18	0.33	37.396	16	33.7	52.77	16	33.7	G0 J	14	879	E -23 707
90		9.1R	52 38.475	-0.0020	12	-28 32 36.83	0.009	12	0.25	38.508	16	33.7	36.98	16	33.7	F5 J	13B	702	J -28 596
91		9.3R	52 41.899	-0.0015	18	-24 24 4.06	0.033	18	0.33	41.924	16	33.7	4.60	16	33.7	G5 J	14	880	E -24 809
92		7.1T	52 45.535	0.0014	16	-25 8 4.39	0.031	13	0.76	45.468	15	00.5	6.00	18	98.2	K0	GC	2319	C -25 756
93		8.3R	52 52.187	0.0040	18	-24 23 55.22	-0.005	18	0.33	52.123	16	33.7	55.15	16	33.7	F2 J	14	882	E -24 810
94		8.4R	52 56.752	-0.0006	20	-25 36 42.36	0.022	20	0.35	56.762	16	33.7	42.73	16	33.7	A0 J	14	883	E -25 758
95		9.0R	52 59.919	-0.0002	12	-24 48 11.62	-0.039	12	0.25	59.922	16	33.7	10.98	16	33.7	F2 J	14	884	E -25 759
96		9.1R	53 6.296	-0.0003	18	-22 17 29.18	0.001	18	0.33	6.300	16	33.7	29.20	16	33.7	F5 J	14	885	E -22 643
97		8.5A	53 8.083	0.0051	20	-21 3 2.00	-0.003	15	0.32	8.000	16	33.8	1.96	16	33.8	K5 J	13A	511	A -21 338
98		9.4R	53 14.285	0.0011	20	-23 26 40.35	-0.084	20	0.35	14.268	16	33.7	38.98	16	33.7	G5 J	14	886	E -23 710
99		8.1R	53 16.021	-0.0023	12	-27 57 22.60	0.027	12	0.25	16.058	16	33.7	23.04	16	33.7	G5 J	13B	705	J -28 599
00		8.6R	53 23.320	0.0071	12	-26 44 18.34	-0.140	12	0.25	23.205	16	33.7	16.07	16	33.7	G5 J	14	887	E -27 665

167400			EPOCH 1950								ORIGINAL EPOCH							SP.	SOURCE		-20° 1H
NUMBER	MAGNITUDES		α_{1950}	μ	σ_μ	δ_{1950}	μ'	σ'_μ	σ_{1950}	α_2	σ	ep.	δ_2	σ'	ep.		CAT.	STAR NUMBER	DM NUMBER
	m_{pg}	m_v	h m s	s	″.001	° ′ ″	″	″.001	″	s	″.01		″	″.01					
1		7.8A	1 53 27.420	0.0004	18	-20 48 21.81	-0.095	13	0.30	27.414	16	33.8	20.28	16	33.8	F2 J	13A	514	A -21 339
2		9.0R	53 29.874	0.0004	18	-22 53 38.65	-0.000	18	0.33	29.868	16	33.7	38.65	16	33.7	K5 J	14	888	E -23 714
3		8.6R	53 32.961	0.0024	18	-22 49 19.06	-0.019	18	0.33	32.923	16	33.7	18.75	16	33.7	K0 J	14	889	E -23 715
4		7.4T	53 33.889	0.0032	14	-29 21 29.01	0.013	13	0.71	33.728	17	00.3	29.69	18	98.1	K0	GC	2329	C -29 646
5		9.5R	53 34.193	0.0008	20	-24 5 8.55	-0.004	20	0.35	34.180	16	33.7	8.49	16	33.7	G0 J	14	890	E -24 815
6		8.5R	53 35.870	-0.0003	18	-22 4 9.82	-0.026	18	0.33	35.874	16	33.7	9.40	16	33.7	F5 J	14	891	E -22 648
7		8.9R	53 45.804	0.0001	20	-25 40 57.30	0.018	20	0.35	45.802	16	33.7	57.60	16	33.7	K7 J	14	892	E -25 696
8		9.2R	53 49.158	0.0000	18	-23 22 35.05	-0.048	18	0.33	49.158	16	33.7	34.27	16	33.7	F8 J	14	893	E -23 718
9		8.6R	53 51.639	0.0061	18	-23 39 54.50	-0.009	18	0.33	51.541	16	33.7	54.35	16	33.7	F8 J	14	894	E -24 817
10	10.9	10.3W	53 55.623	-0.0002	21	-29 51 10.99	0.051	21	0.44	55.627	22	31.9	11.91	21	31.9		C7	674	C -30 673
11		8.5R	53 57.997	0.0067	20	-24 22 35.90	0.030	20	0.35	57.889	16	33.7	36.39	16	33.7	G0 J	14	895	E -24 818
12		8.3R	53 58.908	0.0087	12	-25 31 27.81	-0.012	12	0.25	58.766	16	33.7	27.62	16	33.7	F8 J	14	896	E -25 763
13		8.2R	53 59.330	0.0010	12	-24 28 40.15	-0.018	12	0.25	59.314	16	33.7	39.86	16	33.7	K2 J	14	897	E -24 819
14		9.2R	54 2.182	-0.0011	15	-22 57 30.34	0.011	15	0.29	2.201	16	33.7	30.51	16	33.7	G0 J	14	898	E -23 720
15		8.0R	54 17.848	-0.0022	17	-29 6 57.17	-0.008	17	0.31	17.884	16	33.7	57.05	16	33.7	K0 J	13B	710	J -29 650
16		5.2T	54 19.672	0.0043	03	-22 46 12.86	-0.020	03	0.15	19.494	07	08.5	12.01	07	07.7	K5	GC	2343	C*-23 721
17		8.0R	54 20.562	-0.0027	17	-27 48 27.55	0.003	17	0.31	20.606	16	33.7	27.60	16	33.7	K0 J	13B	711	J -28 609
18		8.5R	54 23.121	0.0000	12	-24 42 28.27	0.038	12	0.25	23.120	16	33.7	28.88	16	33.7	F0 J	14	900	E -25 767
19		9.5R	54 24.924	0.0027	18	-23 6 55.81	0.020	18	0.33	24.880	16	33.7	56.13	16	33.7	F8 J	14	901	E -23 723
20		9.0R	54 26.587	-0.0016	18	-23 50 48.91	-0.012	18	0.33	26.613	16	33.7	48.71	16	33.7	F8 J	14	902K	E -24 823
21		9.0R	54 38.529	0.0035	18	-23 57 47.68	-0.016	18	0.33	38.473	16	33.7	47.42	16	33.7	K5 J	14	903	E -24 825
22		7.4T	54 41.735	0.0019	12	-25 51 51.12	-0.010	12	0.68	41.638	18	98.0	50.61	18	96.6	K0	GC	2350	C -26 704
23		9.0R	54 42.013	0.0099	20	-29 40 4.50	-0.022	20	0.35	41.852	16	33.7	4.15	16	33.7	G0 J	13B	714	J -30 677
24		9.0R	54 48.555	-0.0026	17	-27 3 11.57	0.061	17	0.31	48.598	16	33.7	12.56	16	33.7	G0 J	13B	715	J -27 673
25		7.7R	54 55.845	-0.0014	17	-26 53 18.33	0.019	17	0.31	55.868	16	33.7	18.65	16	33.7	K0 J	13B	717	J -27 675
26		9.2R	54 56.538	-0.0002	17	-27 29 37.31	0.012	17	0.31	56.542	16	33.7	37.51	16	33.7	F0 J	13B	718	J -27 674
27		8.1R	55 0.430	0.0017	18	-24 14 18.96	-0.018	18	0.33	0.402	16	33.7	18.67	16	33.7	K0 J	14	905	E -24 827
28		8.5R	55 2.310	-0.0009	17	-26 27 31.12	0.023	17	0.31	2.325	16	33.7	31.50	16	33.7	K0 J	14	907	E -26 705
29		9.5R	55 2.462	0.0012	18	-24 27 56.98	-0.008	18	0.33	2.443	16	33.7	56.86	16	33.7	G0 J	14	906	E -24 828
30		8.7R	55 3.230	0.0007	17	-27 59 19.51	0.013	17	0.31	3.219	16	33.7	19.72	16	33.7	F5 J	13B	720	J -28 613
31		8.9R	55 11.046	-0.0003	17	-29 42 22.34	0.016	17	0.31	11.051	16	33.7	22.60	16	33.7	F5 J	13B	722	J -30 681
32		8.8R	55 14.254	-0.0041	20	-25 45 0.86	0.033	20	0.35	14.321	16	33.7	1.41	16	33.7	G5 J	14	909	E -26 706
33		9.4R	55 20.644	-0.0027	18	-21 53 31.95	0.005	18	0.33	20.688	16	33.7	32.04	16	33.7	G5 J	14	910	E -22 655
34		8.4R	55 28.006	0.0069	18	-22 8 37.50	-0.022	18	0.33	27.893	16	33.7	37.15	16	33.7	G5 J	14	911	E -22 656
35		8.7R	55 36.222	-0.0030	18	-27 17 48.37	0.027	18	0.33	36.271	16	33.7	48.81	16	33.7	K0 J	13B	723	J -27 681
36		7.8R	55 36.791	0.0171	17	-29 5 24.66	0.019	17	0.31	36.513	16	33.7	24.98	16	33.7	G0 J	13B	724	J -29 664
37		9.0R	55 39.803	-0.0012	12	-26 43 31.03	0.006	12	0.25	39.822	16	33.7	31.13	16	33.7	M2 J	14	912	E -27 682
38		8.5R	55 41.116	-0.0001	18	-27 10 45.89	-0.032	18	0.33	41.117	16	33.7	45.37	16	33.7	F2 J	13B	725	J -27 683
39		8.2R	55 47.631	-0.0007	13	-29 3 28.24	-0.039	13	0.27	47.642	16	33.7	27.61	16	33.7	F8 J	13B	726	J -29 665
40		9.4R	55 54.208	-0.0032	20	-23 27 46.83	0.020	20	0.35	54.260	16	33.7	47.16	16	33.7	F8 J	14	913	E -23 732
41		9.4R	55 58.792	0.0075	12	-29 28 41.07	0.043	12	0.25	58.670	16	33.7	41.77	16	33.7	F5 J	13B	728	J -29 666
42		9.5R	56 6.199	-0.0043	20	-24 37 19.29	-0.029	20	0.35	6.269	16	33.7	18.82	16	33.7	F5 J	14	914	E -24 833
43		9.6R	56 14.475	0.0013	18	-22 55 6.51	0.021	18	0.33	14.454	16	33.7	6.85	16	33.7	G5 J	14	915	E -23 735
44		8.8A	56 20.941	0.0012	12	-21 5 23.10	0.013	11	0.24	20.922	16	33.8	23.32	16	33.8	K5 J	13A	525	A -21 351
45		9.0R	56 28.693	-0.0020	18	-22 26 12.54	-0.011	18	0.33	28.724	16	33.7	12.37	16	33.7	F5 J	14	916	E -22 662
46		9.4R	56 31.387	-0.0010	18	-22 25 30.02	0.057	18	0.33	31.403	16	33.7	30.95	16	33.7	F8 J	14	917	E -22 663
47		9.2R	56 31.676	0.0011	17	-25 8 27.63	-0.024	20	0.34	31.658	16	33.7	27.24	16	33.7	G5 J	14	918	E -25 780
48		7.3A	56 33.309	0.0026	18	-21 22 33.81	0.084	13	0.30	33.267	16	33.8	35.17	16	33.8	F5 J	13A	526	A -21 352
49		8.6R	56 37.996	0.0082	12	-26 45 4.83	-0.040	12	0.25	37.796	16	33.7	4.18	16	33.7	G5 J	14	920	E -27 684
50		7.7Q	56 40.008	0.0056	10	-23 9 41.15	0.041	10	0.59	39.703	17	95.4	43.47	15	92.9		GC	2391K	C -23 737
51		7.3T	1 56 40.618	0.0072	10	-23 9 44.85	0.058	10	0.57	40.217	17	94.3	48.20	15	92.0	F2	GC	2392K	C*-23 737
52		9.3R	56 40.746	0.0016	15	-22 59 22.21	-0.002	15	0.29	40.720	16	33.7	22.17	16	33.7	G0 J	14	922	E -23 739
53		9.0R	56 40.840	-0.0041	18	-26 7 9.06	-0.335	18	0.33	40.906	16	33.7	3.62	16	33.7	G5 J	14	925	E -26 711
54		8.7R	56 42.220	-0.0018	20	-22 30 41.96	-0.052	20	0.35	42.250	16	33.7	41.11	16	33.7	K0 J	14	924	E -22 665
55		9.0R	56 42.346	0.0026	20	-22 29 17.01	-0.023	20	0.35	42.304	16	33.7	16.64	16	33.7		14	923	E -22 664
56		9.1R	56 43.057	0.0009	20	-23 37 38.02	-0.018	20	0.35	43.043	16	33.7	37.73	16	33.7	G0 J	14	927	E -23 740
57		9.0R	56 43.138	0.0011	18	-23 13 54.06	0.005	18	0.33	43.120	16	33.7	54.14	16	33.7	G5 J	14	926	E -23 741
58		8.7R	56 44.324	-0.0014	20	-27 29 36.43	0.015	20	0.35	44.347	16	33.7	36.68	16	33.7	G5 J	13B	729	J -27 686
59		8.7R	56 54.424	0.0011	18	-23 59 4.58	0.022	18	0.33	54.407	16	33.7	4.95	16	33.7	K2 J	14	928	E -24 838
60		8.2R	56 59.293	-0.0014	18	-24 13 18.98	-0.001	18	0.33	59.316	16	33.7	18.97	16	33.7	K5 J	14	929	E -24 839
61		6.7T	57 1.999	0.0048	08	-26 40 28.43	0.026	08	0.35	1.806	10	09.7	29.53	12	08.4	A0	GC	2401	C*-27 688
62		8.3R	57 5.821	0.0066	18	-23 40 45.66	0.012	18	0.33	5.714	16	33.7	45.86	16	33.7	F5 J	14	931	E -24 840
63		8.0R	57 11.575	-0.0045	12	-28 11 4.36	-0.054	12	0.25	11.649	16	33.7	3.49	16	33.7	K0 J	13B	730	J -28 623
64		8.1R	57 16.327	-0.0001	20	-27 45 40.14	-0.001	20	0.35	16.328	16	33.7	40.13	16	33.7	K0 J	13B	731	J -28 624
65		8.8A	57 21.923	0.0007	18	-20 27 0.63	-0.020	13	0.30	21.912	16	33.8	0.30	16	33.8	K0 J	13A	528	A -20 378
66		5.7T	57 24.985	0.0003	04	-21 4 0.26	0.023	04	0.24	24.970	12	01.7	1.40	10	00.8	M0	GC	2411	B*-21 356
67		8.8R	57 27.972	0.0117	17	-27 10 55.50	0.175	17	0.31	27.782	16	33.7	58.35	16	33.7	G5 J	13B	732	J -27 692
68		8.5R	57 30.823	0.0011	20	-27 42 47.11	0.003	20	0.35	30.806	16	33.7	47.16	16	33.7	G5 J	13B	733	J -28 626
69		9.0R	57 32.462	-0.0010	20	-27 16 57.61	0.019	20	0.35	32.478	16	33.7	57.92	16	33.7	G0 J	13B	734	J -27 693
70		9.4R	57 36.613	0.0074	20	-22 46 13.75	0.081	20	0.35	36.493	16	33.7	15.07	16	33.7	F5 J	14	932	E -23 743
71		4.2H	57 38.911	0.0094	01	-21 19 9.71	-0.020	02	0.06	38.608	02	17.7	9.06	03	17.4	M0	F4	71	-21 358
72		8.5R	57 39.383	-0.0021	20	-28 23 54.60	-0.026	20	0.35	39.418	16	33.7	54.18	16	33.7	F0 J	13B	736	J -28 627
73		9.6R	57 41.215	-0.0002	15	-24 43 0.45	0.014	15	0.29	41.218	16	33.7	0.67	16	33.7	G0 J	14	933	E -25 784
74		8.4R	57 45.419	0.0023	20	-29 18 8.06	0.017	20	0.35	45.382	16	33.7	8.34	16	33.7	F0 J	13B	737	J -29 676
75		8.7R	58 7.138	0.0044	17	-29 44 57.42	0.060	17	0.31	7.066	16	33.7	58.40	16	33.7	G0 J	13B	740	J -30 697
76		8.4R	58 9.282	0.0025	18	-22 19 1.74	0.009	18	0.33	9.241	16	33.7	1.89	16	33.7	A2 J	14	934	E -22 672
77		8.8T	58 10.910	0.0079	18	-26 27 54.06	0.073	14	0.83	10.533	18	02.1	57.79	21	99.2	F5	GC	2431	C*-26 720
78		9.0R	58 17.791	-0.0020	12	-26 47 25.51	0.045	12	0.25	17.823	16	33.7	26.24	16	33.7	F8 J	13B	742	J -27 698
79		8.9R	58 19.264	-0.0000	18	-23 28 27.06	-0.069	18	0.33	19.265	16	33.7	25.94	16	33.7	G0 J	14	936	E -23 750
80		8.6R	58 19.881	-0.0002	15	-25 33 26.77	-0.006	15	0.29	19.884	16	33.7	26.68	16	33.7	K0 J	14	937	E -25 788
81		7.1T	58 23.756	0.0022	12	-24 39 42.65	-0.075	10	0.62	23.640	17	97.4	38.48	17	94.8	K2	GC	2434	C -25 789
82		9.0R	58 24.979	0.0011	17	-26 25 28.11	-0.036	17	0.31	24.962	16	33.7	28.70	16	33.7	F5 J	14	939	E -26 721
83		9.3R	58 39.159	0.0020	20	-27 57 57.56	-0.003	20	0.35	39.127	16	33.7	57.51	16	33.7	A5 J	13B	745	J -28 633
84		9.0R	58 39.311	-0.0020	17	-26 38 23.90	0.013	17	0.31	39.342	16	33.7	24.12	16	33.7	A0 J	14	941	E -27 700
85		9.1A	58 39.489	0.0021	18	-21 8 46.41	0.042	13	0.30	39.455	16	33.8	47.09	16	33.8	F8 J	13A	534	A -21 361
86		9.0R	58 40.439	-0.0000	12	-24 45 5.81	0.006	12	0.25	40.440	16	33.7	5.90	16	33.7	A0 J	14	940	E -25 791
87		9.0R	58 46.169	0.0044	20	-26 49 16.08	0.176	20	0.35	46.097	16	33.7	18.94	16	33.7	K0 J	13B	746	J -27 702
88		8.7R	58 46.597	-0.0021	20	-25 23 23.83	-0.028	20	0.35	46.631	16	33.7	24.29	16	33.7	F5 J	14	943	E -25 793
89		8.3R	58 49.650	0.0043	20	-27 50 58.91	0.019	20	0.35	49.580	16	33.7	59.22	16	33.7	G5 J	13B	748	J -28 634
90		9.2R	58 55.591	0.0035	18	-24 11 19.98	0.000	18	0.33	55.534	16	33.7	19.98	16	33.7	G0 J	14	944	E -24 856
91		8.8A	58 56.692	-0.0006	18	-21 8 24.85	0.025	13	0.30	56.701	16	33.8	25.25	16	33.8	F5 J	13A	535	A -21 362
92		9.1R	58 59.721	0.0019	20	-29 14 28.71	0.021	20	0.35	59.690	16	33.7	29.06	16	33.7	F0 J	13B	750	J -29 686
93		9.1R	59 0.389	-0.0026	20	-25 21 7.17	0.070	20	0.35	0.432	16	33.7	8.31	16	33.7	A2 J	14	945	E -25 794
94		9.4R	59 3.846	0.0029	17	-29 44 40.71	-0.012	17	0.31	3.799	16	33.7	40.52	16	33.7	G5 J	13B	753	J -30 704
95		9.1R	59 8.968	0.0003	17	-25 12 46.01	0.051	17	0.31	8.963	16	33.7	46.84	16	33.7	K0 J	14	946	E -25 797
96		8.4R	59 17.367	-0.0023	15	-25 52 28.23	-0.013	15	0.29	17.404	16	33.7	28.02	16	33.7	F8 J	14	947	E -26 723
97		8.9R	59 24.147	-0.0020	15	-26 44 3.68	0.010	15	0.29	24.180	16	33.7	3.85	16	33.7	K0 J	14	948	E -27 705
98		9.5R	59 26.921	0.0060	20	-27 16 43.38	-0.003	20	0.35	26.824	16	33.7	43.34	16	33.7	G5 J	13B	754	J -27 706
99		8.7R	59 27.455	-0.0035	18	-24 7 16.65	-0.119	18	0.33	27.513	16	33.7	14.71	16	33.7	K0 J	14	949	E -24 861
00		9.1R	59 29.279	0.0001	20	-29 36 12.02	0.050	20	0.35	29.277	16	33.7	12.84	16	33.7	G5 J	13B	755	J -29 690

167500

	EPOCH 1950										ORIGINAL EPOCH						SP.	SOURCE		-20° 1H
NUMBER	MAGNITUDES		α_{1950}		μ	σ_μ	δ_{1950}		μ'	$\sigma_{\mu'}$	σ_{1950}	α_2	σ	ep.	δ_2	σ'	ep.		CAT.	STAR NUMBER	DM NUMBER
	m_{pg}	m_v	h m	s	s	″.001	° ′	″	″	″.001	″	s	″.01		″	″.01					
1		9.2R	1 59	29.490	-0.0006	18	-22 31	36.57	-0.036	18	0.33	29.500	16	33.7	35.98	16	33.7	F2 J	14	950	E -22 678
2		9.5R	59	29.807	0.0012	20	-29 28	29.01	-0.025	20	0.35	29.788	16	33.7	28.61	16	33.7	F5 J	13B	756	J -29 691
3		9.5R	59	35.636	-0.0000	18	-24 37	13.36	-0.002	18	0.33	35.637	16	33.7	13.32	16	33.7	K5 J	14	951	E -24 864
4		8.5R	59	40.942	0.0009	18	-21 58	9.05	-0.011	18	0.33	40.926	16	33.7	8.88	16	33.7	K0 J	14	952	E -22 679
5		8.7R	59	44.436	-0.0008	20	-25 40	59.67	0.053	20	0.35	44.449	16	33.7	0.54	16	33.7	F8 J	14	953	E -26 726
6		8.5R	59	52.316	0.0066	18	-24 16	50.90	0.028	18	0.33	52.209	16	33.7	51.35	16	33.7	F8 J	14	954	E -24 867
7		9.2R	59	54.302	0.0006	17	-29 44	33.53	0.035	12	0.28	54.292	16	33.7	34.10	16	33.7	G5 J	13B	758	J -30 711
8		9.5R	2 0	1.820	-0.0089	20	-22 37	6.55	-0.065	20	0.35	1.965	16	33.7	5.49	16	33.7	G J	14	955	E -22 682
9		8.1R	0	6.350	-0.0001	17	-28 34	43.44	-0.028	17	0.31	6.351	16	33.7	42.99	16	33.7	K2 J	13B	760	J -28 643
10		9.2A	0	12.513	0.0016	18	-20 33	21.28	0.042	13	0.30	12.488	16	33.8	21.97	16	33.8	G0 J	13A	538	A -21 365
11		6.4T	0	13.786	-0.0028	16	-29 54	21.02	0.031	13	0.77	13.926	17	00.4	22.63	18	98.0	A3	GC	2463	C -30 714
12		6.8T	0	15.197	-0.0011	12	-22 12	22.14	-0.002	11	0.64	15.252	17	97.5	22.06	17	94.4	B9	GC	2464	-22 341
13		7.6R	0	18.675	0.0004	18	-26 58	53.78	0.044	18	0.33	18.668	16	33.7	54.50	16	33.7	K0 J	13B	763	J -27 713
14		9.1R	0	24.759	0.0043	18	-24 29	17.25	0.017	18	0.33	24.689	16	33.7	17.53	16	33.7	G0 J	14	958	E -24 871
15		9.0R	0	32.700	0.0053	18	-22 19	55.06	0.021	16	0.33	32.614	16	33.7	55.43	16	33.7	K0 J	14	959	E -22 686
16		6.5T	0	33.232	-0.0020	08	-24 7	34.98	-0.034	07	0.32	33.318	09	07.8	33.54	09	07.3	K0	GC	2470	C -24 872
17		9.1R	0	35.481	-0.0017	20	-28 17	57.32	-0.004	20	0.35	35.508	16	33.7	57.26	16	33.7	F5 J	13B	767	J -28 646
18		9.5R	0	35.680	-0.0003	17	-24 32	22.56	0.057	17	0.31	35.885	16	33.7	23.48	16	33.7	M0 J	14	961	E -24 873
19		9.3R	0	38.736	-0.0033	20	-27 39	27.13	0.015	20	0.35	38.790	16	33.7	27.38	16	33.7	A5 J	13B	769	J -28 647
20		7.9R	0	41.976	0.0026	18	-22 9	7.07	-0.019	18	0.33	41.933	16	33.7	6.77	16	33.7	K0 J	14	962	E -22 687
21		8.6R	0	52.973	-0.0008	12	-25 1	37.31	-0.008	12	0.25	52.986	16	33.7	37.18	16	33.7	A3 J	14	963	E -25 803
22		9.3P	1	0.950	0.0007	20	-22 38	55.33	0.012	20	0.35	0.939	16	33.7	55.53	16	33.7	G5 J	14	964	E -23 764
23		9.1R	1	0.984	-0.0006	18	-27 2	46.02	0.033	18	0.33	0.994	16	33.7	46.56	16	33.7	G5 J	13B	770	J -27 717
24		8.4R	1	7.218	0.0015	15	-25 22	1.86	-0.016	15	0.29	7.193	16	33.7	1.60	16	33.7	K5 J	14	965	E -25 805
25		8.3A	1	26.574	-0.0014	18	-21 35	55.89	-0.028	13	0.30	26.596	16	33.8	55.44	16	33.8	K5 J	13A	546	A -22 345
26		9.1R	1	31.674	0.0025	20	-28 45	13.44	0.040	20	0.35	31.634	16	33.7	14.09	16	33.7	G0 J	13B	774	J -29 702
27		9.2R	1	31.876	0.0050	18	-22 14	8.30	0.033	18	0.33	31.794	16	33.7	8.84	16	33.7	F2 J	14	966	E -22 690
28		8.4R	1	33.737	-0.0000	18	-22 7	20.70	-0.049	18	0.33	33.737	16	33.7	19.91	16	33.7	K0 J	14	967	E -22 691
29	9.9	9.2M	1	35.008	0.0006	21	-29 51	50.11	-0.055	21	0.44	34.997	22	31.9	49.11	21	31.9	K0 L	C7	733	C -30 722
30		8.9R	1	52.077	0.0041	18	-22 16	2.18	-0.009	18	0.33	52.009	16	33.7	2.04	16	33.7	K0 J	14	969	E -22 694
31		9.1R	1	56.149	0.0002	20	-29 4	36.46	0.053	20	0.35	56.145	16	33.7	37.32	16	33.7	G0 J	13B	776	J -29 704
32		4.7M	2	14.967	0.0008	02	-29 32	9.81	0.010	02	0.09	14.942	04	18.1	10.17	05	14.6	A0P	F4	1055	C -29 706
33		9.3R	2	16.029	-0.0002	20	-25 6	47.12	0.054	20	0.35	16.031	16	33.7	48.00	16	33.7	F5 J	14	970	E -25 813
34		8.7R	2	18.356	-0.0005	18	-26 50	31.41	0.077	18	0.33	18.364	16	33.7	32.67	16	33.7	F8 J	13B	779	J -27 722
35		9.1R	2	18.727	-0.0010	17	-28 47	41.86	-0.002	17	0.31	18.744	16	33.7	41.83	16	33.7	F5 J	13B	780	J -29 708
36		9.2R	2	29.475	0.0041	20	-24 43	35.80	-0.005	20	0.35	29.408	16	33.7	35.72	16	33.7	G0 J	14	971	E -25 815
37		9.4R	2	37.899	0.0005	15	-22 49	40.34	0.029	15	0.29	37.891	16	33.7	40.81	16	33.7	G5 J	14	972	E -23 773
38		7.7R	2	40.090	-0.0001	17	-28 35	51.03	0.005	17	0.31	40.091	16	33.7	51.12	16	33.7	K0 J	13B	781	J -28 653
39		9.0A	2	40.201	-0.0032	18	-20 41	59.95	-0.016	13	0.30	40.253	16	33.8	59.75	16	33.8	G5 J	13A	556	A -21 373
40		7.5R	3	1.348	0.0009	20	-28 47	47.15	-0.041	20	0.35	1.333	16	33.7	46.49	16	33.7	K5 J	13B	785	J -29 713
41		7.3R	3	1.393	0.0043	20	-28 37	0.11	0.025	20	0.35	1.323	16	33.7	0.52	16	33.7	G5 J	13B	784	J -28 656
42		9.1R	3	1.491	-0.0001	20	-23 30	13.79	-0.006	20	0.35	1.494	16	33.7	13.69	16	33.7	G5 J	14	975	E -23 777
43		8.6R	3	17.935	0.0302	20	-24 37	0.88	-0.019	20	0.35	17.444	16	33.7	0.57	16	33.7	G5 J	14	976	E -24 889
44		8.1R	3	21.728	0.0017	17	-28 21	2.32	0.056	17	0.31	21.701	16	33.7	3.23	16	33.7	M3 J	13B	788	J -28 659
45		8.7R	3	21.942	0.0286	20	-24 36	49.61	-0.069	20	0.35	21.477	16	33.7	48.48	16	33.7	G5 J	14	977	E -24 891
46		9.1R	3	26.123	-0.0042	18	-26 17	13.01	-0.063	18	0.33	26.191	16	33.7	11.97	16	33.7	F8 J	14	979	E -26 751
47		9.1R	3	34.550	-0.0011	12	-29 1	58.37	0.027	12	0.25	34.569	16	33.7	58.82	16	33.7	K0 J	13B	789	J -29 716
48		8.6R	3	37.842	-0.0012	17	-28 35	37.88	-0.052	17	0.31	37.862	16	33.7	37.04	16	33.7	G5 J	13B	790	J -28 661
49		8.4R	3	38.920	-0.0002	15	-21 59	38.23	0.028	15	0.29	38.923	16	33.7	38.69	16	33.7	K0 J	14	980	E -22 704
50		9.2R	3	43.670	0.0019	18	-23 38	17.20	0.008	18	0.33	43.640	16	33.7	17.33	16	33.7	F8 J	14	982	E -23 784
51		8.8R	2 3	49.359	0.0004	12	-28 28	13.30	0.005	12	0.25	49.353	16	33.7	13.38	16	33.7	G J	13B	791	J -28 662
52		8.8R	3	51.007	-0.0037	17	-28 29	56.74	0.048	17	0.31	51.067	16	33.7	57.53	16	33.7	G0 J	13B	792	J -28 664
53		8.5R	3	56.419	-0.0003	20	-29 27	50.22	-0.071	20	0.35	56.424	16	33.7	49.07	16	33.7	A5 J	13B	793	J -29 718
54		8.5R	4	8.934	0.0005	15	-24 54	46.25	0.098	15	0.29	8.926	16	33.7	47.84	16	33.7	F5 J	14	983	E -25 821
55		9.1R	4	9.091	0.0023	12	-28 21	46.07	-0.041	12	0.25	9.054	16	33.7	45.41	16	33.7	F0 J	13B	794	J -28 667
56		7.9R	4	11.978	0.0011	15	-23 48	16.36	-0.006	15	0.29	11.961	16	33.7	16.27	16	33.7	K0 J	14	984	E -24 895
57		9.1R	4	23.869	0.0036	15	-27 3	51.43	0.025	15	0.29	23.809	16	33.7	51.84	16	33.7	K0 J	13B	795	J -27 729
58		9.1R	4	30.584	0.0007	12	-28 20	44.97	-0.011	12	0.25	30.573	16	33.7	44.80	16	33.7	K0 J	13B	796	J -28 668
59		9.3R	4	31.344	0.0031	18	-24 5	55.96	0.014	18	0.33	31.293	16	33.7	56.19	16	33.7	K0 J	14	985	E -24 898
60		9.2R	4	45.879	0.0029	18	-23 20	40.49	-0.028	18	0.33	45.832	16	33.7	40.04	16	33.7	G J	14	986	E -23 791
61		8.5R	4	46.283	-0.0021	18	-26 18	15.88	-0.004	18	0.33	46.317	16	33.7	15.82	16	33.7	G5 J	14	987	E -26 759
62		8.7R	4	54.335	0.0037	17	-29 46	51.10	-0.005	17	0.31	54.275	16	33.7	51.02	16	33.7	G5 J	13B	799	J -30 737
63		8.5R	4	57.030	0.0085	12	-28 3	19.11	-0.031	12	0.25	56.891	16	33.7	18.61	16	33.7	G5 J	13B	800	J -28 670
64		7.7R	5	11.172	0.0010	12	-29 8	0.50	-0.006	12	0.25	11.156	16	33.7	0.42	16	33.7	K0 J	13B	801	J -29 728
65		9.0R	5	13.935	0.0022	18	-22 17	20.12	0.025	18	0.33	13.900	16	33.7	20.53	16	33.7	K0 J	14	988	E -22 720
66		9.1R	5	14.557	-0.0025	20	-22 31	0.60	0.004	20	0.35	14.598	16	33.7	0.67	16	33.7	G5 J	14	989	E -22 721
67		9.4R	5	14.725	-0.0015	20	-25 23	33.95	0.023	20	0.35	14.749	16	33.7	34.33	16	33.7	F5 J	14	990	E -25 825
68		8.9A	5	19.001	-0.0058	18	-21 2	54.77	-0.053	13	0.30	19.094	16	33.8	53.91	16	33.8	G0 J	13A	565	A -21 379
69		6.8R	5	20.583	0.0007	17	-29 34	17.07	0.016	17	0.31	20.572	16	33.7	17.33	16	33.7	F0 J	13B	803	J -29 730
70		9.3R	5	20.597	-0.0041	15	-23 51	59.33	-0.066	15	0.29	20.664	16	33.7	58.26	16	33.7	K0 J	14	991	E -24 901
71		8.7R	5	33.578	0.0028	12	-24 47	20.84	-0.043	12	0.25	33.533	16	33.7	20.14	16	33.7	F8 J	14	992	E -25 828
72		9.2R	5	36.058	0.0063	15	-27 6	5.95	-0.026	15	0.29	35.955	16	33.7	5.53	16	33.7	G0 J	13B	804	J -27 737
73		9.0R	5	38.644	0.0028	18	-24 19	45.21	0.039	18	0.33	38.599	16	33.7	45.85	16	33.7	K0 J	14	993	E -24 903
74		8.2A	5	39.689	0.0079	18	-21 35	4.14	-0.033	15	0.31	39.560	16	33.8	4.68	16	33.8	F5 J	13A	569	A -22 363
75		9.1R	5	50.081	0.0007	18	-24 26	26.30	-0.013	18	0.33	50.069	16	33.7	26.10	16	33.7	G5 J	14	994	E -24 906
76		7.2T	5	53.174	0.0053	09	-27 48	30.21	-0.012	08	0.37	52.946	09	07.2	29.71	10	06.8	A5	GC	2561	C -28 675
77		6.1R	5	56.107	0.0029	20	-24 55	53.32	-0.002	20	0.35	56.060	16	33.7	53.28	16	33.7	G0 J	14	995	E -25 830
78		9.3R	5	56.594	0.0030	17	-28 25	19.77	0.064	17	0.31	56.545	16	33.7	20.81	16	33.7	G0 J	13B	810	J -28 677
79		9.2R	5	57.438	0.0033	20	-27 15	43.69	0.048	20	0.35	57.385	16	33.7	44.48	16	33.7	F8 J	13B	809	J -27 739
80		8.2R	5	57.630	0.0010	17	-28 58	23.76	-0.034	17	0.31	57.614	16	33.7	23.21	16	33.7	K0 J	13B	811	J -29 738
81		8.7R	6	19.672	0.0032	17	-28 47	10.99	0.047	17	0.31	19.620	16	33.7	11.76	16	33.7	K5 J	13B	812	J -29 743
82		9.1R	6	20.187	-0.0018	20	-26 32	7.11	-0.029	20	0.35	20.217	16	33.7	6.64	16	33.7	G0 J	14	996	E -26 766
83		8.5R	6	23.032	0.0008	18	-25 58	39.21	0.018	18	0.33	23.019	16	33.7	39.50	16	33.7	A0 J	14	997	E -26 767
84		8.7A	6	23.381	0.0002	18	-21 20	27.95	0.013	12	0.29	23.378	16	33.8	28.16	16	33.8	G0 J	13A	574	A -21 382
85		8.6R	6	30.408	0.0039	18	-24 15	55.35	0.016	18	0.33	30.345	16	33.7	55.61	16	33.7	F8 J	14	998	E -24 913
86		8.7R	6	40.325	0.0004	18	-24 2	32.55	-0.069	18	0.33	40.318	16	33.7	31.43	16	33.7	F5 J	14	999	E -24 915
87		9.0R	6	41.495	-0.0006	17	-27 39	8.95	-0.195	17	0.31	41.505	16	33.7	5.78	16	33.7	G5 J	13B	814	J -28 681
88		8.5R	6	44.136	-0.0001	18	-24 36	2.83	0.041	18	0.33	44.137	16	33.7	3.49	16	33.7	K0 J	14	1000	E -24 917
89		7.6T	6	46.080	0.0017	11	-23 13	34.97	0.003	12	0.66	45.988	19	95.8	35.12	18	95.1	K2	GC	2582	C -23 799
90		8.9R	6	47.899	0.0020	15	-24 0	5.21	0.018	15	0.29	47.867	16	33.7	5.50	16	33.7	A2 J	14	1002	E -24 918
91		9.3R	6	50.756	0.0010	18	-22 14	20.32	0.014	18	0.33	50.739	16	33.7	20.56	16	33.7	F5 J	14	1003	E -22 732
92		9.0R	6	57.741	0.0018	20	-29 23	29.13	-0.046	20	0.35	57.712	16	33.7	28.39	16	33.7	G0 J	13B	817	J -29 748
93		8.9R	6	57.920	0.0014	17	-27 48	19.12	0.045	17	0.31	57.897	16	33.7	19.85	16	33.7	G5 J	13B	816	J -28 683
94		9.0A	7	2.824	0.0002	18	-20 58	41.92	0.039	13	0.30	2.821	16	33.8	42.55	16	33.8	K5 J	13A	576	A -21 383
95		8.5R	7	4.898	0.0022	15	-26 31	6.26	0.001	15	0.29	4.862	16	33.7	6.28	16	33.7	F0 J	14	1004	E -26 773
96		8.9R	7	7.628	0.0045	12	-29 10	17.41	0.045	12	0.25	7.555	16	33.7	18.15	16	33.7	G0 J	13B	818	J -29 751
97		9.4R	7	9.971	0.0083	18	-22 30	18.74	-0.006	18	0.33	9.836	16	33.7	18.63	16	33.7	G0 J	14	1005	E -22 735
98		8.5R	7	15.055	0.0043	17	-28 1	17.74	0.040	17	0.31	14.985	16	33.7	18.39	16	33.7	K2 J	13B	819	J -28 685
99		6.5T	7	17.303	-0.0028	13	-24 34	51.35	-0.024	11	0.65	17.448	17	98.4	49.98	17	94.0	F0	GC	2589	C*-24 921
00		7.4R	7	28.900	0.0003	20	-29 14	34.04	-0.018	20	0.35	28.895	16	33.7	33.75	16	33.7	K2 J	13B	823	J -29 752

167600			EPOCH 1950								ORIGINAL EPOCH							SP.	SOURCE		-20° 2H
NUMBER	MAGNITUDES		α_{1950}	μ	σ_μ	δ_{1950}	μ'	σ'_μ	σ_{1950}	α_2	σ	ep.	δ_2	σ'	ep.		CAT.	STAR NUMBER	DM NUMBER
	m_{pg}	m_v	h m s	s	″.001	° ′ ″	″	″.001	″	s	″.01		″	″.01					
1		9.4R	2 7 29.979	0.0059	15	-27 20 19.26	-0.029	20	0.32	29.883	16	33.7	18.79	16	33.7	G0	J	13B	822	J -27 744
2		8.5R	7 31.204	-0.0008	12	-28 50 29.19	-0.102	12	0.25	31.217	16	33.7	27.54	16	33.7	G5	J	13B	824	J -29 753
3		8.9R	7 35.940	-0.0000	12	-25 14 53.16	0.015	12	0.25	35.940	16	33.7	53.41	16	33.7	A5	J	14	1007	E -25 841
4		8.9R	7 41.115	0.0013	20	-29 38 43.19	0.003	20	0.35	41.094	16	33.7	43.24	16	33.7	F8	J	13B	826	J -30 753
5		9.0A	7 46.853	-0.0001	17	-20 59 58.85	-0.021	12	0.28	46.854	16	33.8	58.51	16	33.8	G0	J	13A	580	A -21 384
6		8.9R	7 47.420	0.0024	20	-26 55 41.12	0.018	20	0.35	47.380	16	33.7	41.42	16	33.7	G0	J	13B	827	J -27 745
7		9.5R	7 58.031	-0.0048	20	-26 56 30.16	0.028	20	0.35	58.109	16	33.7	30.62	16	33.7	A0	J	13B	830	J -27 746
8		9.4R	7 59.496	0.0025	15	-23 50 18.48	-0.001	15	0.29	59.456	16	33.7	18.46	16	33.7	F2	J	14	1008	E -24 928
9		8.5R	8 12.578	0.0004	17	-28 3 6.26	-0.018	17	0.31	12.572	16	33.7	5.97	16	33.7	A2	J	13B	831	J -28 691
10		8.6A	8 14.483	-0.0018	15	-20 25 49.30	0.008	12	0.27	14.512	16	33.8	49.42	16	33.8	G0	J	13A	582	A -20 408
11		8.8R	8 16.551	0.0054	12	-28 29 34.05	0.030	12	0.25	16.463	16	33.7	34.54	16	33.7	K2	J	13B	832	J -28 692
12		9.2R	8 23.810	0.0040	18	-23 18 21.07	-0.016	18	0.33	23.745	16	33.7	20.81	16	33.7	G5	J	14	1009	E -23 806
13		7.2T	8 26.854	0.0065	11	-28 27 15.53	0.002	11	0.60	26.521	15	98.9	15.66	17	97.5	K0		GC	2611	C -28 694
14		9.3R	8 31.417	-0.0015	15	-24 44 41.75	0.023	15	0.29	31.442	16	33.7	42.12	16	33.7	G0	J	14	1010	E -25 846
15		8.3R	8 42.736	0.0069	18	-25 41 29.60	-0.066	18	0.33	42.623	16	33.7	28.53	16	33.7	G0	J	14	1011	E -26 782
16		8.1R	8 43.754	-0.0028	15	-27 27 21.00	-0.007	15	0.29	43.799	16	33.7	20.89	16	33.7	G5	J	13B	835	J -27 752
17		8.7R	8 59.922	0.0016	17	-29 24 35.11	-0.034	17	0.31	59.896	16	33.7	35.67	16	33.7	K2	J	13B	840	J -29 761
18		9.4R	9 12.692	-0.0007	18	-23 14 1.79	-0.000	18	0.33	12.703	16	33.7	1.79	16	33.7	K0	J	14	1012	E -23 812
19		9.2R	9 17.521	0.0016	18	-21 39 4.54	0.028	18	0.33	17.495	16	33.7	5.00	16	33.7	G0	J	14	1013	E -22 746
20		9.1R	9 19.273	0.0002	15	-26 37 3.78	0.001	15	0.29	19.269	16	33.7	3.80	16	33.7	K5	J	14	1014	E -26 787
21		8.9R	9 26.966	0.0006	20	-29 39 34.61	-0.009	20	0.35	26.956	16	33.7	34.47	16	33.7	K0	J	13B	842	J -30 770
22		8.6R	9 31.472	-0.0001	18	-24 34 47.50	-0.006	18	0.33	31.473	16	33.7	47.40	16	33.7	A2	J	14	1015	E -24 946
23		8.7R	9 39.202	-0.0007	18	-26 32 32.04	0.005	18	0.33	39.212	16	33.7	32.12	16	33.7	G0	J	14	1016	E -26 791
24		8.1A	9 43.235	0.0017	18	-21 4 51.53	0.014	13	0.30	43.207	16	33.8	51.76	16	33.8	K0	J	13A	591	A -21 389
25		8.7R	9 45.544	0.0004	18	-21 47 30.01	0.009	18	0.33	45.537	16	33.7	30.16	16	33.7	K0	J	14	1017	E -22 749
26		9.5R	9 46.031	0.0025	20	-27 12 45.47	0.012	00	0.27	45.990	16	33.7	45.67	16	33.7	G5	J	13B	845	J -27 758
27		8.4R	9 48.376	-0.0009	17	-29 11 27.27	0.009	17	0.31	48.391	16	33.7	27.42	16	33.7	K0	J	13B	846	J -29 767
28		8.1A	9 51.848	0.0005	18	-21 17 49.71	0.037	13	0.30	51.841	16	33.8	50.30	16	33.8	G5	J	13A	593	A -21 390
29		7.4R	9 55.854	0.0008	20	-27 44 46.38	0.028	20	0.35	55.842	16	33.7	46.84	16	33.7	K0	J	13B	847	J -28 698
30		8.8R	9 59.174	-0.0042	17	-29 13 45.40	-0.014	17	0.31	59.242	16	33.7	45.18	16	33.7	G0	J	13B	848	J -29 770
31		8.5R	10 3.347	0.0059	18	-26 52 24.33	-0.038	18	0.33	3.251	16	33.7	23.72	16	33.7	G0	J	13B	849	J -27 760
32		9.0R	10 3.432	0.0001	17	-29 28 43.08	0.002	17	0.31	3.431	16	33.7	43.12	16	33.7	F5	J	13B	850	J -29 773
33		9.6R	10 16.978	0.0044	18	-24 15 35.52	0.017	18	0.33	16.907	16	33.7	35.80	16	33.7	G0	J	14	1018	E -24 951
34		7.7R	10 18.798	-0.0027	15	-26 33 21.86	-0.045	15	0.29	18.842	16	33.7	21.13	16	33.7	G5	J	14	1019	E -26 795
35		8.6A	10 24.652	0.0009	18	-21 14 56.74	-0.001	13	0.30	24.638	16	33.8	56.72	16	33.8	K0	J	13A	595	A -21 393
36		8.8A	10 29.078	0.0049	12	-21 25 43.91	0.016	11	0.24	28.999	16	33.8	44.17	16	33.8	G0	J	13A	596	A -21 394
37		6.0T	10 47.023	0.0033	15	-21 14 3.89	0.038	12	0.70	40.860	18	00.9	5.85	18	98.5	G0		GC	2662	-21 396
38		9.4R	10 48.793	-0.0011	15	-25 2 47.59	0.005	15	0.29	48.811	16	33.7	47.67	16	33.7	K0	J	14	1022	E -25 854
39		8.6A	10 50.373	0.0062	18	-20 19 6.82	0.010	13	0.30	50.241	16	33.8	6.98	16	33.8	G0	J	13A	598	A -20 415
40		9.3R	10 50.834	0.0004	20	-23 42 4.48	-0.025	20	0.35	50.827	16	33.7	4.08	16	33.7	A0	J	14	1023	E -24 957
41		7.3T	10 55.578	-0.0011	18	-23 6 18.54	0.003	17	0.87	55.631	21	02.1	18.67	21	01.5	G5		GC	2671	C -23 822
42		8.8R	11 11.224	0.0006	17	-29 12 12.43	0.035	17	0.31	11.214	16	33.7	13.00	16	33.7	A0	J	13B	855	J -29 784
43		9.0R	11 16.555	0.0036	18	-22 14 30.56	0.007	18	0.33	16.497	16	33.7	30.68	16	33.7	K2	J	14	1025	E -22 754
44		8.8R	11 16.716	0.0020	12	-25 34 3.29	-0.024	12	0.25	16.684	16	33.7	2.89	16	33.7	G5	J	14	1026	E -25 855
45		7.8R	11 19.308	-0.0003	18	-25 1 25.60	0.055	18	0.33	19.313	16	33.7	26.49	16	33.7	F5	J	14	1028	E -25 856
46		9.6R	11 20.697	-0.0023	20	-22 35 26.09	-0.013	20	0.35	20.735	16	33.7	25.88	16	33.7	G0	J	14	1027	E -22 756
47		9.5R	11 25.542	0.0011	15	-25 31 48.46	-0.067	15	0.29	25.524	16	33.7	47.38	16	33.7	K0	J	14	1029	E -25 857
48		8.9R	11 28.532	0.0069	18	-24 12 23.64	0.048	18	0.33	28.421	16	33.7	24.42	16	33.7	A0	J	14	1030	E -24 964
49		9.0R	11 33.116	0.0048	20	-25 14 51.87	0.042	20	0.35	33.038	16	33.7	52.55	16	33.7	K2	J	14	1031	E -25 858
50		8.5A	11 45.363	0.0035	17	-20 46 5.99	0.017	12	0.28	45.307	16	33.8	6.26	16	33.8	K0	J	13A	602	A -21 400
51		7.5R	2 12 5.043	0.0056	12	-28 8 20.59	-0.062	12	0.25	4.957	16	33.7	19.58	16	33.7	F2	J	13B	859	J -28 712
52		9.2R	12 22.471	-0.0001	12	-28 48 22.51	0.036	12	0.25	22.472	16	33.7	23.10	16	33.7	F5	J	13B	861	J -29 795
53		9.2R	12 30.200	-0.0023	17	-29 35 24.10	-0.011	12	0.28	30.238	16	33.7	23.93	16	33.7	G0	J	13B	862	J -29 798
54		7.2T	12 44.329	0.0030	10	-23 46 18.83	-0.036	10	0.57	44.169	15	96.0	16.81	17	93.4	F8		GC	2705	C -24 980
55	10.0	9.5W	12 45.553	-0.0030	21	-29 53 1.73	-0.023	21	0.44	45.607	22	31.9	1.31	21	31.9	K2		C7	802	C -30 791
56		8.7R	12 45.978	-0.0004	12	-29 25 9.43	-0.025	12	0.25	45.985	16	33.7	9.03	16	33.7	G5	J	13B	863	J -29 803
57		9.4R	12 54.110	-0.0015	12	-24 38 45.97	-0.042	12	0.25	54.134	16	33.7	45.28	16	33.7	F5	J	14	1033	E -25 868
58		8.1T	12 58.197	0.0057	14	-23 30 49.07	0.021	12	0.69	57.921	15	01.2	50.16	17	98.5	F8		GC	2709	C -23 840
59		8.9R	12 58.543	0.0012	12	-27 40 46.67	-0.071	12	0.25	58.524	16	33.7	45.52	16	33.7	G0	J	13B	866	J -28 717
60		8.6R	13 5.020	0.0020	18	-26 8 46.94	-0.026	18	0.33	4.988	16	33.7	46.53	16	33.7	G0	J	14	1035	E -26 814
61		7.9T	13 18.035	0.0021	17	-23 36 1.75	0.013	13	0.78	17.935	18	01.7	2.43	18	98.5	M0		GC	2720	C -23 845
62		8.9R	13 18.395	0.0002	17	-29 39 3.98	-0.046	17	0.31	18.392	16	33.7	3.24	16	33.7	G5	J	13B	869	J -30 804
63		8.6R	13 20.882	-0.0025	18	-22 49 50.85	-0.020	18	0.33	20.923	16	33.7	50.52	16	33.7	F8	J	14	1037	E -23 847
64		9.3R	13 21.959	-0.0016	15	-25 20 37.62	0.012	15	0.29	21.984	16	33.7	37.82	16	33.7	K5	J	14	1038	E -25 872
65		7.7R	13 22.807	-0.0020	18	-26 45 18.43	-0.011	18	0.33	22.839	16	33.7	18.26	16	33.7	G5	J	14	1039	E -27 780
66		8.1A	13 25.626	-0.0019	13	-21 33 0.88	-0.007	11	0.25	25.656	16	33.8	0.78	16	33.8	G5	J	13A	608	A -21 403
67		8.4R	13 30.589	-0.0008	20	-25 0 17.07	0.077	20	0.35	30.602	16	33.8	18.32	16	33.8	F8	J	14	1040	E -25 873
68		8.7R	13 34.473	0.0003	12	-28 53 19.46	0.018	12	0.25	34.468	16	33.7	19.76	16	33.7	K0	J	13B	870	J -29 805
69		9.0R	13 38.512	0.0061	18	-23 9 49.23	0.068	18	0.33	38.414	16	33.8	50.33	16	33.8	G0	J	14	1041	E -23 850
70		8.6R	13 45.334	-0.0007	17	-25 45 21.05	-0.018	17	0.31	45.345	16	33.8	20.76	16	33.8	K0	J	14	1042	E -26 816
71		9.1R	13 52.144	-0.0023	20	-26 23 47.26	0.058	20	0.35	52.182	16	33.8	48.20	16	33.8	F0	J	14	1043	E -26 817
72		7.8R	13 54.264	-0.0001	12	-28 48 56.68	0.027	12	0.25	54.266	16	33.7	57.12	16	33.7	K0	J	13B	872	J -29 807
73		8.5R	13 55.773	0.0049	18	-23 16 23.08	-0.032	18	0.33	55.695	16	33.8	22.56	16	33.8	G0	J	14	1044	E -23 852
74		8.9R	14 13.865	0.0072	18	-22 51 41.42	-0.012	18	0.33	13.749	16	33.8	41.23	16	33.8	G0	J	14	1046	E -23 854
75		8.8R	14 21.333	-0.0027	12	-24 39 57.66	-0.002	12	0.25	21.377	16	33.8	57.62	16	33.8	K2	J	14	1047	E -25 880
76		8.5R	14 36.264	0.0034	12	-24 51 43.76	0.042	12	0.25	36.209	16	33.8	44.44	16	33.8	G5	J	14	1048	E -25 883
77		8.6R	14 45.180	0.0046	18	-22 4 39.02	-0.006	18	0.33	45.105	16	33.8	38.93	16	33.8	G0	J	14	1049	E -22 772
78		8.5R	14 48.106	0.0029	18	-24 34 49.24	0.019	18	0.33	48.060	16	33.8	49.54	16	33.8	K5	J	14	1050	E -24 997
79		8.1A	14 50.825	0.0038	13	-20 13 39.78	0.023	11	0.25	50.764	16	33.8	40.15	16	33.8	F2	J	13A	613	A -20 432
80		8.4R	14 51.171	0.0019	15	-24 17 44.04	0.011	15	0.29	51.141	16	33.8	44.23	16	33.8	F0	J	14	1051	E -24 999
81		9.2R	15 12.558	-0.0017	12	-28 5 50.28	-0.006	12	0.25	12.585	16	33.7	50.19	16	33.7	G5	J	13B	878	J -28 725
82		8.8R	15 19.304	0.0020	18	-22 23 3.82	-0.005	18	0.33	19.272	16	33.8	3.75	16	33.8	K0	J	14	1053	E -22 774
83		9.0R	15 21.381	0.0017	18	-23 10 0.81	-0.026	18	0.33	21.354	16	33.8	0.39	16	33.8	K2	J	14	1054	E -23 859
84		9.4R	15 23.378	-0.0012	18	-26 42 24.81	0.008	18	0.33	23.397	16	33.8	24.94	16	33.8	F5	J	14	1055	E -27 794
85		9.1R	15 33.079	0.0021	12	-28 45 38.13	0.018	12	0.25	33.045	16	33.7	38.43	16	33.7	K0	J	13B	880	J -29 819
86		8.8R	15 34.336	0.0020	18	-23 57 9.89	-0.019	18	0.33	34.303	16	33.8	9.58	16	33.8	K2	J	14	1056	E -24 1006
87		9.6R	15 44.114	-0.0000	15	-23 27 47.81	-0.009	15	0.29	44.114	16	33.8	47.66	16	33.8	F2	J	14	1057	E -23 862
88		7.8R	15 45.869	-0.0013	12	-28 36 11.82	0.015	12	0.25	45.891	16	33.7	12.07	16	33.7	F5	J	13B	882	J -28 729
89		7.3T	15 46.581	0.0014	17	-23 51 29.97	-0.024	13	0.79	46.514	18	00.8	28.74	18	98.1	F0		GC	2776	C -24 1008
90		9.4R	15 54.437	-0.0000	12	-25 1 31.43	0.017	12	0.25	54.437	16	33.8	31.71	16	33.8	K0	J	14	1061	E -25 890
91		8.4R	15 55.075	-0.0004	12	-22 48 58.24	0.011	15	0.27	55.081	16	33.8	58.42	16	33.8	F0	J	14	1060	E -23 863
92		9.2R	16 8.989	0.0004	12	-29 32 59.74	0.062	12	0.25	8.983	16	33.7	* 0.75	16	33.7	F5	J	13B	887	J -29 821
93	8.7	8.6W	16 21.652	-0.0014	21	-29 54 1.14	0.015	21	0.44	21.677	22	31.9	1.41	21	31.9	F5		C7	828	C -30 815
94	8.7	8.6W	16 24.309	0.0012	21	-29 54 8.70	0.006	21	0.44	24.287	22	31.9	8.81	21	31.9	F5		C7	829	C -30 815
95		9.2R	16 29.492	-0.0009	18	-22 8 22.34	-0.041	18	0.33	29.507	16	33.8	21.68	16	33.8	M	J	14	1062	E -22 778
96		7.7R	16 33.700	0.0059	15	-26 40 12.02	0.015	15	0.29	33.604	16	33.8	12.27	16	33.8	K0	J	14	1063	E -27 802
97		6.4T	16 44.052	-0.0162	05	-26 10 53.13	0.451	05	0.25	44.799	09	04.0	*14.39	09	02.9	G0		GC	2794	C*-26 828
98		8.0R	16 50.798	0.0063	12	-29 9 12.14	0.003	12	0.25	50.696	16	33.7	12.19	16	33.7	K0	J	13B	892	J -29 825
99		9.1R	16 54.229	0.0018	18	-24 5 4.61	-0.031	18	0.33	54.200	16	33.8	4.12	16	33.8	A3	J	14	1065	E -24 1018
00		9.3R	16 57.414	0.0041	18	-22 35 20.93	0.014	18	0.33	57.348	16	33.8	21.16	16	33.8	K7	J	14	1066	E -22 779

167700

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	EPOCH 1950 μ_s s	EPOCH 1950 σ_μ .001	EPOCH 1950 δ_{1950} ° ′ ″	EPOCH 1950 μ' ″	EPOCH 1950 $\sigma_{\mu'}$ .001	EPOCH 1950 σ_{1950} ″	ORIGINAL EPOCH α_2 s	ORIGINAL EPOCH σ .01	ORIGINAL EPOCH ep.	ORIGINAL EPOCH δ_2 ″	ORIGINAL EPOCH σ' .01	ORIGINAL EPOCH ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	-20° 2H DM NUMBER
1		9.4R	2 17 8.145	-0.0000	15	-21 51 59.52	0.006	15	0.29	8.145	16	33.8	59.62	16	33.8	G5 J	14	1067	E -22 781
2		9.2R	17 9.251	0.0014	12	-27 48 48.36	-0.007	12	0.25	9.228	16	33.7	48.25	16	33.7	K5 J	13B	893	J -28 735
3		8.8R	17 17.685	0.0010	12	-25 31 53.38	0.010	12	0.25	17.670	16	33.8	53.53	16	33.8	K5 J	14	1068	E -25 899
4		8.9R	17 29.300	0.0026	12	-27 59 7.36	0.055	12	0.25	29.258	16	33.7	8.28	16	33.7	G5 J	13B	894	J -28 739
5		8.5T	17 30.138	0.0013	16	-24 5 33.81	-0.015	14	0.78	30.077	21	01.3	33.05	19	98.3	K2	GC	28065	C -24 1021
6		8.5T	17 33.119	0.0006	15	-24 5 45.84	0.014	14	0.76	33.092	21	01.2	46.57	19	98.9	F0	GC	2809	C -24 1022
7		8.5T	17 36.604	-0.0032	13	-23 51 49.41	-0.057	13	0.71	36.766	21	00.1	46.48	19	98.4	F8	GC	2811	C -24 1023
8		8.3A	17 39.124	0.0042	18	-20 15 46.88	0.055	13	0.30	39.056	16	33.8	47.77	16	33.8	K0 J	13A	626	A -20 438
9		8.7R	17 43.884	0.0037	15	-24 42 32.39	0.008	15	0.29	43.764	16	33.8	32.52	16	33.8	F5 J	14	1072	E -25 902
10		8.3A	17 48.363	-0.0016	18	-21 5 23.45	-0.013	13	0.30	48.389	16	33.8	23.25	16	33.8	K0 J	13A	627	A -21 417
11		9.2R	17 50.267	-0.0036	17	-27 26 2.04	-0.086	17	0.31	50.328	16	33.8	0.65	16	33.8	G0 J	13B	895	J -27 809
12		9.4R	17 55.442	-0.0060	21	-25 26 11.71	-0.075	21	0.37	55.539	16	33.8	10.50	16	33.8	K5 J	14	1073	E -25 904
13		9.1R	18 5.796	0.0013	18	-21 55 25.69	0.013	18	0.33	5.774	16	33.8	25.91	16	33.8	K0 J	14	1074	E -22 786
14		8.1T	18 6.672	0.0017	16	-22 20 52.55	0.003	13	0.77	6.584	17	99.4	52.73	17	96.3	K0	GC	2818	-22 392
15		8.1R	18 7.995	-0.0005	12	-27 30 6.02	0.007	12	0.25	8.003	16	33.8	6.14	16	33.8	K0 J	13B	896	J -27 811
16		9.3R	18 9.140	-0.0007	15	-22 18 14.34	0.000	15	0.29	9.152	16	33.8	14.35	16	33.8		14	1076	E -22 788
17		9.0R	18 13.881	0.0074	12	-27 55 46.76	0.051	12	0.25	13.761	16	33.8	47.59	16	33.8	G0 J	13B	897	J -28 746
18		8.6R	18 18.659	0.0013	12	-29 4 53.07	-0.003	12	0.25	18.638	16	33.8	53.03	16	33.8	K2 J	13B	898	J -29 837
19		8.7R	18 25.418	0.0013	18	-22 49 52.91	0.039	18	0.33	25.397	16	33.8	53.54	16	33.8	K0 J	14	1077	E -23 880
20		9.6R	18 30.869	0.0050	20	-23 56 22.70	0.025	20	0.35	30.788	16	33.8	23.11	16	33.8	F8 J	14	1078	E -24 1030
21		9.2R	18 38.053	0.0021	15	-24 5 46.13	-0.015	15	0.29	38.019	16	33.8	45.89	16	33.8	G5 J	14	1080	E -24 1031
22		6.6T	18 54.023	0.0003	11	-20 8 35.80	0.009	11	0.39	54.013	12	17.8	36.09	12	16.9	G5	GC	2838	C -20 440
23	10.0	9.8W	18 56.219	0.0051	21	-29 57 22.75	0.031	21	0.44	56.127	22	31.9	23.31	21	31.9	G0	C7	840	C -30 834
24		9.1R	18 56.933	-0.0052	12	-28 58 8.12	-0.063	12	0.25	57.017	16	33.8	7.10	16	33.8	F5 J	13B	902	J -29 840
25		9.4R	19 8.104	-0.0044	21	-25 3 59.69	-0.035	21	0.37	8.176	16	33.8	59.13	16	33.8	F8 J	14	1081	E -25 911
26		8.9A	19 8.327	0.0004	15	-20 32 53.14	0.020	12	0.27	8.320	16	33.8	53.46	16	33.8	K5 J	13A	630	A -20 441
27		9.4R	19 10.730	-0.0031	18	-24 58 15.50	0.015	18	0.33	10.780	16	33.8	15.74	16	33.8	K0 J	14	1082	E -25 912
28	9.6	9.0W	19 25.303	0.0020	21	-29 50 16.09	0.018	21	0.44	25.267	22	31.9	16.41	21	31.9	K2	C7	844	C -30 839
29		9.1A	19 32.333	0.0030	18	-20 34 48.47	-0.007	13	0.30	32.285	16	33.8	48.35	16	33.8	F0 J	13A	631	A -21 421
30		7.6R	19 47.037	0.0010	17	-29 34 37.95	-0.179	17	0.31	47.021	16	33.8	35.05	16	33.8	G0 J	13B	907K	J -29 845
31		7.5T	19 49.292	-0.0002	13	-28 5 20.09	0.037	13	0.69	49.301	18	99.1	22.03	18	98.1	G5	GC	2856	C -28 752
32		9.4R	19 54.120	-0.0008	18	-21 56 16.14	-0.030	18	0.33	54.132	16	33.8	15.66	16	33.8	G5 J	14	1083	E -22 792
33		8.2R	19 56.014	0.0022	12	-25 25 34.30	-0.054	12	0.25	55.978	16	33.8	33.43	16	33.8	K0 J	14	1085	E -25 916
34		8.0R	19 58.003	0.0028	18	-22 5 54.97	0.003	18	0.33	57.958	16	33.8	55.03	16	33.8	K5 J	14	1084	E -22 793
35		9.1A	20 11.135	-0.0000	18	-21 20 16.56	-0.020	13	0.30	11.136	16	33.8	16.24	16	33.8	K7 J	13A	634	A -21 423
36		5.4H	20 15.244	0.0144	02	-24 2 33.76	-0.056	02	0.06	14.775	03	17.5	31.90	03	16.9	F5	F4	83	C -24 1038
37		8.4R	20 17.345	0.0004	20	-25 47 48.20	0.052	20	0.35	17.338	16	33.8	49.04	16	33.8	K2 J	14	1088	E -26 849
38		9.5R	20 27.569	0.0004	18	-24 5 32.25	0.000	15	0.31	27.562	16	33.8	32.25	16	33.8	G5 J	14	1089	E -24 1042
39	7.9	8.5W	20 48.891	-0.0009	21	-29 50 42.44	0.098	21	0.44	48.907	22	31.9	44.21	21	31.9	B9	C7	852	C -30 850
40		9.4R	20 58.231	-0.0057	20	-24 42 39.55	0.072	20	0.35	58.324	16	33.8	40.71	16	33.8	F8 J	14	1090	E -25 921
41		8.2R	20 58.504	0.0126	13	-29 15 52.75	0.115	13	0.27	58.300	16	33.8	54.62	16	33.8	G0 J	13B	913	J -29 855
42		9.1R	21 4.225	0.0039	17	-24 48 38.63	0.017	17	0.31	4.162	16	33.8	38.90	16	33.8	A5 J	14	1092	E -25 922
43		9.0R	21 4.516	-0.0011	17	-29 28 4.96	-0.016	17	0.31	4.534	16	33.8	4.71	16	33.8	G5 J	13B	915	J -29 857
44		7.0T	21 9.452	0.0006	08	-27 13 16.64	-0.058	08	0.49	9.417	14	99.2	13.08	17	88.2	G5	GC	2879	C -27 827
45		8.6R	21 21.584	0.0011	18	-22 2 2.18	0.001	18	0.33	21.566	16	33.8	2.20	16	33.8	K0 J	14	1094	E -22 799
46		9.3R	21 22.162	0.0024	20	-25 31 54.26	-0.027	20	0.35	22.123	16	33.8	53.83	16	33.8	F8 J	14	1095	E -25 926
47		8.5R	21 30.906	-0.0010	20	-29 28 5.69	0.008	20	0.35	30.923	16	33.8	5.82	16	33.8	F8 J	13B	919	J -29 858
48		9.1R	21 34.039	-0.0023	18	-21 49 54.44	-0.019	18	0.33	34.076	16	33.8	54.14	16	33.8	K0 J	14	1096	E -22 802
49		9.0R	21 37.551	-0.0030	20	-29 42 25.93	-0.004	20	0.35	37.600	16	33.8	25.87	16	33.8	F0 J	13B	920	J -30 855
50		8.8R	21 45.659	-0.0010	17	-29 39 38.37	-0.030	17	0.31	45.675	16	33.8	37.89	16	33.8	A0 J	13B	921	J -30 859
51		9.1R	2 21 48.497	0.0033	18	-21 40 52.74	-0.027	18	0.33	48.444	16	33.8	52.31	16	33.8	K7 J	14	1097	E -22 803
52		9.5R	21 56.670	-0.0024	20	-24 57 22.63	-0.003	20	0.35	56.708	16	33.8	22.58	16	33.8	G5 J	14	1098	E -25 932
53		9.2R	21 59.891	-0.0061	20	-26 53 48.67	0.034	17	0.33	59.989	16	33.8	49.23	16	33.8	K2 J	13B	924	J -27 830
54		9.0R	22 0.274	-0.0007	15	-25 19 14.20	0.033	12	0.27	0.285	16	33.8	14.74	16	33.8	G5 J	14	1099	E -25 934
55		9.3R	22 2.818	0.0015	12	-28 10 44.19	0.018	12	0.25	2.793	16	33.8	44.49	16	33.8	F2 J	13B	925	J -28 764
56		9.1R	22 4.441	-0.0008	17	-28 37 2.43	-0.004	17	0.31	4.454	16	33.8	2.37	16	33.8	K0 J	13B	926	J -28 763
57		6.6T	22 5.276	0.0020	08	-26 4 25.95	0.032	07	0.34	5.192	09	07.2	25.32	09	06.7	K0	GC	2900	C -26 857
58		9.1R	22 13.450	0.0016	20	-24 48 25.60	0.011	20	0.35	13.424	16	33.8	25.78	16	33.8	F8 J	14	1103	E -25 937
59		9.4R	22 14.437	-0.0014	12	-22 58 48.86	-0.053	12	0.25	14.461	16	33.8	48.00	16	33.8	G5 J	14	1101	E -23 906
60		9.4R	22 14.827	0.0006	20	-22 58 55.86	0.034	20	0.35	14.818	16	33.8	56.41	16	33.8	G5 J	14	1102	E -23 906
61		9.4R	22 15.331	0.0009	15	-26 45 8.36	0.037	15	0.29	15.316	16	33.8	8.97	16	33.8	F8 J	14	1104	E -27 832
62		9.1R	22 18.629	-0.0004	20	-24 50 57.01	0.038	20	0.35	18.635	16	33.8	57.62	16	33.8	K0 J	14	1105	E -25 938
63		8.5A	22 22.284	-0.0000	18	-20 15 54.02	-0.025	13	0.30	22.284	16	33.8	53.61	16	33.8	F8 J	13A	642	A -20 447
64		9.1R	22 23.153	-0.0005	20	-21 57 38.42	-0.011	20	0.35	23.141	16	33.8	38.25	16	33.8	K0 J	14	1106	E -22 806
65		9.1R	22 28.239	-0.0036	17	-29 3 46.43	-0.118	17	0.31	28.298	16	33.8	44.52	16	33.8	F8 J	13B	928	J -29 863
66		7.7R	22 32.959	0.0111	17	-28 52 35.67	-0.042	17	0.31	32.779	16	33.8	34.99	16	33.8	F5 J	13B	929	J -29 864
67		8.8R	22 35.692	0.0012	20	-29 6 23.21	-0.041	20	0.35	35.672	16	33.8	22.55	16	33.8	F0 J	13B	930	J -29 865
68		9.2A	22 35.885	-0.0027	15	-20 30 26.76	0.000	12	0.27	35.929	16	33.8	26.76	16	33.8	K5 J	13A	643	A -20 448
69		9.0R	22 49.190	0.0003	18	-21 45 25.66	0.020	18	0.33	49.184	16	33.8	25.99	16	33.8	M J	14	1107	E -22 809
70		8.9A	22 49.360	0.0008	18	-20 3 18.66	-0.005	13	0.30	49.346	16	33.8	18.57	16	33.8	K7 J	13A	644	A -20 450
71		8.8A	22 53.889	-0.0021	18	-20 51 26.85	-0.031	13	0.30	53.902	16	33.8	26.35	16	33.8	F5 J	13A	646	A -21 431
72		9.4R	22 57.557	-0.0025	18	-22 12 49.60	-0.025	18	0.33	57.597	16	33.8	49.20	16	33.8	K0 J	14	1108	E -22 810
73		9.1R	23 3.558	0.0030	18	-24 18 54.06	0.039	18	0.33	3.510	16	33.8	54.69	16	33.8	K2 J	14	1109	E -24 1072
74		7.7T	23 6.382	-0.0020	12	-22 2 3.08	-0.061	12	0.66	6.485	17	97.3	59.77	15	95.5	F8	GC	2924	-22 409
75		8.6R	23 6.699	-0.0018	15	-26 7 58.19	0.002	15	0.29	6.728	16	33.8	58.23	16	33.8	K5 J	14	1111	E -26 863
76		8.5R	23 12.533	0.0016	12	-29 46 17.18	-0.028	12	0.25	12.507	16	33.8	16.73	16	33.8	K0 J	13B	934	J -30 864
77		8.4R	23 16.902	-0.0008	18	-24 11 48.86	-0.040	18	0.33	16.915	16	33.8	48.21	16	33.8	M3 J	14	1112	E -24 1074
78		8.7R	23 20.008	0.0213	12	-29 12 41.55	-0.081	12	0.25	19.663	16	33.8	40.25	16	33.8	G5 J	13B	935	J -29 870
79		8.7A	23 22.442	0.0055	18	-20 31 31.82	0.011	13	0.30	22.352	16	33.8	32.00	16	33.8	F8 J	13A	648	A -20 451
80		8.5R	23 28.740	0.0007	20	-27 22 8.38	0.010	20	0.35	28.729	16	33.8	8.55	16	33.8	F5 J	13B	936	J -27 839
81		9.2R	23 31.437	0.0010	12	-28 32 40.19	0.049	12	0.25	31.421	16	33.8	40.99	16	33.8	K J	13B	937	J -28 773
82		8.8A	23 32.164	0.0049	18	-20 27 35.51	-0.098	13	0.30	32.085	16	33.8	33.92	16	33.8	G0 J	13A	651	A -20 452
83		9.2R	23 33.139	-0.0009	21	-24 42 15.96	0.011	21	0.37	33.153	16	33.8	16.13	16	33.8	K2 J	14	1113	E -25 948
84		9.3R	23 35.436	-0.0024	20	-26 32 2.82	0.035	20	0.35	35.476	16	33.8	3.39	16	33.8	F5 J	14	1115	E -26 865
85		7.8R	23 36.274	0.0062	18	-24 4 1.81	0.006	18	0.33	36.174	16	33.8	1.92	16	33.8	A3 J	14	1114	E -24 1076
86		9.0R	23 36.644	0.0016	12	-28 58 59.70	0.031	12	0.25	36.618	16	33.8	0.21	16	33.8	F5 J	13B	938	J -29 873
87		8.6R	23 57.842	0.0001	12	-25 8 32.74	0.019	12	0.25	57.840	16	33.8	33.04	16	33.8	K2 J	14	1116	E -23 915
88		8.6R	23 59.467	-0.0037	18	-24 6 35.66	-0.219	18	0.33	59.528	16	33.8	32.12	16	33.8	G5 J	14	1117	E -24 1082
89		9.0R	24 1.754	0.0019	12	-27 39 52.03	0.030	12	0.25	1.724	16	33.8	52.52	16	33.8	K0 J	13B	939	J -28 776
90		8.9R	24 5.320	-0.0005	18	-22 14 39.71	0.001	18	0.33	5.328	16	33.8	39.73	16	33.8	K2 J	14	1118	E -22 818
91		9.7R	24 6.417	0.0052	18	-23 37 58.47	-0.063	18	0.33	6.334	16	33.8	57.45	16	33.8	G5 J	14	1119	E -23 916
92		8.6A	24 8.259	0.0012	18	-21 11 0.15	0.016	13	0.30	8.240	16	33.8	0.40	16	33.8	M0 J	13A	652	A -21 435
93		8.3R	24 8.519	0.0100	12	-29 21 59.73	-0.033	12	0.25	8.357	16	33.8	59.20	16	33.8	G0 J	13B	940	J -29 880
94		9.6R	24 11.174	0.0020	18	-24 23 7.71	-0.012	18	0.33	11.141	16	33.8	7.52	16	33.8	G5 J	14	1120	E -24 1085
95		8.0T	24 15.672	0.0052	08	-20 16 5.78	0.103	08	0.33	15.462	07	09.7	9.85	09	10.4	K0	GC	2941	-20 455
96		9.0R	24 27.673	0.0035	12	-29 18 54.34	-0.090	12	0.25	27.617	16	33.8	52.89	16	33.8	G0 J	13B	941	J -29 883
97		8.6R	24 29.119	0.0075	18	-23 11 40.02	0.056	18	0.33	28.998	16	33.8	40.93	16	33.8	F8 J	14	1121	E -23 918
98		9.2R	24 43.183	-0.0001	12	-29 38 49.13	0.015	12	0.25	43.185	16	33.8	49.38	16	33.8	A0 J	13B	943	J -29 884
99		9.6R	24 54.988	0.0015	18	-22 28 13.80	-0.024	18	0.33	54.963	16	33.8	14.20	16	33.8	K0 J	14	1122	E -22 823
00		8.7R	24 58.048	-0.0014	18	-27 2 40.48	-0.042	18	0.33	58.071	16	33.8	39.81	16	33.8	G0 J	13B	944	J -27 852

167800

EPOCH 1950 — ORIGINAL EPOCH — SOURCE — -20° 2H

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	σ_μ ″.001	σ_{1950} ″	α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	DM NUMBER
1		9.3R	2 25 3.899	-0.0007	12	-24 44 32.46	-0.000	12	0.25	3.910	16	33.8	32.46	16	33.8	K0 J	14	1123	E -25 969
2		8.6R	25 15.853	-0.0037	12	-27 51 21.25	-0.222	12	0.25	15.913	16	33.8	17.66	16	33.8	G5 J	13B	945	J -28 784
3	9.5	8.8W	25 40.197	0.0000	21	-29 56 15.88	-0.098	21	0.43	40.197	22	32.0	14.11	21	32.0	G5	C7	876	C -30 885
4		8.1R	25 44.151	0.0022	12	-29 1 13.45	-0.022	12	0.25	44.116	16	33.8	13.10	16	33.8	G5 J	13B	947	J -29 889
5		9.2R	25 45.567	-0.0019	13	-29 25 44.28	0.004	13	0.27	45.598	16	33.8	44.35	16	33.8	K0 J	13B	948	J -29 890
6		9.4R	25 54.244	-0.0005	20	-22 27 53.95	-0.013	20	0.35	54.251	16	33.8	53.75	16	33.8	G5 J	14	1124	E -22 824
7		9.1R	25 54.999	0.0013	20	-25 53 53.52	-0.010	20	0.35	54.978	16	33.8	53.36	16	33.8	G0 J	14	1125	E -26 881
8		7.8T	26 1.872	0.0015	13	-26 39 15.16	0.035	12	0.69	1.796	18	99.2	17.06	18	96.2	K0	GC	2968	C -26 882
9		9.3R	26 5.080	0.0008	18	-23 17 39.44	0.008	18	0.33	5.067	16	33.8	39.56	16	33.8	K5 J	14	1127	E -23 930
10		9.3R	26 8.488	-0.0014	18	-21 59 18.38	0.033	18	0.33	8.510	16	33.8	18.92	16	33.8	F5 J	14	1128	E -22 826
11	10.5	9.7W	26 11.849	0.0012	21	-29 50 23.67	0.014	21	0.43	11.827	22	32.0	23.91	21	32.0	G5	C7	879	C -30 890
12	10.1	9.3W	26 14.971	0.0002	21	-29 52 8.59	-0.004	21	0.43	14.967	22	32.0	8.51	21	32.0	K0	C7	880	C -30 891
13		8.2A	26 22.757	-0.0001	18	-20 1 17.44	0.001	13	0.30	22.758	16	33.8	17.45	16	33.8	F0 J	13A	655	A -20 463
14		8.9R	26 24.880	-0.0013	12	-29 29 46.25	-0.006	12	0.25	24.901	16	33.8	46.16	16	33.8	K5 J	13B	952	J -29 896
15		9.5R	26 28.986	0.0023	12	-25 30 4.99	0.005	12	0.25	28.949	16	33.8	5.08	16	33.8	F8 J	14	1130	E -25 966
16		8.7R	26 33.932	0.0015	12	-25 12 15.68	0.002	12	0.25	33.908	16	33.8	15.72	16	33.8	G0 J	14	1131	E -25 968
17		8.6R	26 36.108	0.0029	20	-25 2 4.29	0.031	20	0.35	36.060	16	33.8	4.79	16	33.8	F8 J	14	1132	E -25 969
18		8.7A	26 37.740	-0.0012	18	-21 25 9.83	0.007	13	0.30	37.759	16	33.8	9.94	16	33.8	K5 J	13A	658	A -21 438
19		8.5A	26 40.549	0.0462	18	-20 12 17.93	0.229	15	0.31	39.802	16	33.8	21.63	16	33.8	K2 J	13A	657	A -20 465
20		8.5R	26 43.921	-0.0004	18	-21 47 40.86	-0.005	18	0.33	43.927	16	33.8	40.78	16	33.8	K0 J	14	1133	E -22 831
21		8.0T	26 46.167	0.0018	12	-23 25 47.97	-0.036	12	0.69	46.073	19	97.7	46.02	18	96.1	K5	GC	2979	C -23 932
22		8.3R	26 54.620	0.0108	15	-27 37 45.84	-0.031	15	0.29	54.445	16	33.8	45.34	16	33.8	G0 J	13B	956	J -27 869
23		7.1T	27 0.047	0.0113	14	-21 15 35.62	-0.042	16	0.79	-59.467	17	98.8	33.46	17	98.5	F5	GC	2987	-21 439
24		8.1R	27 1.476	-0.0003	18	-27 28 49.01	-0.004	18	0.33	1.482	16	33.8	48.95	16	33.8	G5 J	13B	958	J -27 871
25		9.2R	27 4.241	0.0026	21	-25 14 39.33	0.029	21	0.37	4.198	16	33.8	39.80	16	33.8	F5 J	14	1136	E -25 976
26		9.2R	27 4.288	0.0084	20	-26 25 6.91	-0.036	20	0.35	4.152	16	33.8	6.31	16	33.8	G5 J	14	1137	E -26 893
27		8.7R	27 8.961	-0.0001	18	-22 31 30.08	0.030	18	0.33	8.964	16	33.8	30.57	16	33.8	G0 J	14	1138	E -22 836
28		9.0A	27 13.449	0.0023	18	-21 39 19.17	-0.019	15	0.31	13.412	16	33.8	18.87	16	33.8	M0 J	13A	664	A -22 424
29		7.5T	27 17.138	0.0262	13	-24 19 36.48	0.029	12	0.67	15.833	14	00.1	37.99	15	98.5	K0	GC	2992	C -24 1106
30		9.5R	27 25.562	0.0021	18	-23 58 33.09	0.008	18	0.33	25.528	16	33.8	33.23	16	33.8	K2 J	14	1140	E -24 1107
31		8.6R	27 37.912	0.0027	15	-26 19 31.43	0.028	15	0.29	37.868	16	33.8	31.90	16	33.8	F5 J	14	1142	E -26 898
32		6.6T	27 38.308	0.0053	06	-22 54 17.33	0.010	05	0.27	38.069	10	04.9	17.81	10	01.0	A2	GC	3000K	C*-23 942
33		8.2A	27 40.863	0.0009	17	-21 4 19.86	-0.005	12	0.28	40.849	16	33.8	19.78	16	33.8	K0 J	13A	665	A -21 441
34		9.1R	27 43.694	0.0008	12	-29 0 55.61	0.001	12	0.25	43.682	16	33.8	55.63	16	33.8	F5 J	13B	961	J -29 900
35		8.4A	27 45.038	-0.0005	13	-21 6 35.94	0.018	09	0.24	45.047	16	33.8	36.24	16	33.8	G5 J	13A	666	A -21 442
36	10.2	9.5W	27 50.191	-0.0020	21	-29 57 52.54	-0.007	21	0.43	50.227	22	32.0	52.41	21	32.0	K2	C7	891	C -30 906
37		6.5T	27 58.845	0.0064	05	-25 24 30.44	0.035	05	0.24	58.574	09	08.0	31.99	09	05.9	F0	GC	3006	C*-25 979
38		8.5R	28 15.324	-0.0007	12	-26 58 20.17	-0.053	12	0.25	15.335	16	33.8	19.32	16	33.8	K2 J	13B	965	J -27 875
39		6.5T	28 15.951	0.0003	05	-22 45 58.74	-0.030	05	0.26	15.938	10	06.2	57.32	10	02.9	K5	GC	3015	C*-23 947
40		8.8R	28 17.562	0.0006	12	-28 52 56.50	0.029	12	0.25	17.552	16	33.8	56.97	16	33.8	K0 J	13B	966	J -29 904
41		8.3R	28 19.951	0.0025	12	-28 51 30.68	0.048	12	0.25	19.911	16	33.8	31.46	16	33.8	F8 J	13B	967	J -29 905
42		9.4R	28 21.829	0.0025	18	-22 6 19.14	0.030	18	0.33	21.787	16	33.8	19.63	16	33.8	G5 J	14	1145	E -22 843
43		9.3R	28 23.724	-0.0022	18	-23 39 17.47	-0.010	18	0.33	23.760	16	33.8	17.32	16	33.8	K0 J	14	1147	E -23 949
44		9.4R	28 24.235	-0.0031	20	-22 14 28.86	0.023	20	0.35	24.285	16	33.8	29.24	16	33.8	G0 J	14	1146	E -22 844
45		8.8R	28 35.572	-0.0004	15	-24 53 49.89	-0.025	15	0.29	35.578	16	33.8	49.48	16	33.8	G5 J	14	1149	E -25 982
46		9.2R	28 36.172	0.0047	18	-23 23 40.45	-0.023	18	0.33	36.096	16	33.8	40.07	16	33.8	G0 J	14	1148	E -23 950
47		9.0R	28 48.180	0.0019	12	-28 13 8.04	-0.030	12	0.25	48.149	16	33.8	7.56	16	33.8	G0 J	13B	969	J -28 795
48		8.8R	28 50.156	0.0082	18	-25 28 48.86	-0.036	15	0.31	50.023	16	33.8	48.28	16	33.8	F2 J	14	1150	E -25 983
49		8.2R	28 53.996	0.0033	17	-29 0 22.41	0.002	17	0.31	53.943	16	33.8	22.45	16	33.8	F2 J	13B	970	J -29 912
50		8.8R	28 54.238	0.0031	20	-28 44 7.18	0.061	20	0.35	54.188	16	33.8	8.17	16	33.8	F8 J	13B	971	J -29 913
51		9.0R	2 29 18.351	-0.0028	20	-27 36 26.88	0.072	20	0.35	18.396	16	33.8	28.05	16	33.8	F5 J	13B	973	J -27 878
52		9.0R	29 19.226	-0.0005	15	-22 17 40.34	0.026	15	0.29	19.234	16	33.8	40.77	16	33.8	F8 J	14	1151	E -22 854
53		7.3R	29 21.002	0.0014	17	-27 43 31.06	0.039	17	0.31	20.980	16	33.8	31.69	16	33.8	A2 J	13B	974	J -28 800
54		9.2R	29 28.857	-0.0020	20	-23 39 36.14	0.018	20	0.35	28.889	16	33.8	36.44	16	33.8	F5 J	14	1152	E -23 955
55		8.8R	29 43.067	-0.0020	12	-24 8 55.32	-0.036	12	0.25	43.101	16	33.8	54.74	16	33.8	G5 J	14	1154	E -24 1123
56		8.0T	29 43.949	0.0010	13	-23 18 17.84	0.013	13	0.71	43.899	18	99.2	18.51	18	97.8	A3	GC	3047	C -23 957
57		9.3R	29 45.472	-0.0031	15	-22 28 59.87	-0.052	15	0.29	45.521	16	33.8	59.03	16	33.8	F5 J	14	1156	E -22 857
58		9.2R	29 56.081	0.0030	20	-21 59 53.26	0.016	20	0.35	56.032	16	33.8	53.53	16	33.8	G5 J	14	1157	E -22 858
59		9.0R	30 0.436	0.0001	18	-21 43 3.77	-0.044	18	0.33	0.434	16	33.8	3.06	16	33.8	K0 J	14	1158	E -22 860
60		7.5R	30 1.271	0.0055	17	-28 0 35.32	0.073	17	0.31	1.181	16	33.8	36.51	16	33.8	K2 J	13B	978	J -28 803
61		8.8R	30 2.798	0.0007	18	-23 5 4.77	-0.036	18	0.33	2.787	16	33.8	4.18	16	33.8	A5 J	14	1159	E -23 960
62		9.3R	30 2.871	-0.0021	18	-24 23 33.88	-0.007	18	0.33	2.905	16	33.8	33.76	16	33.8	F8 J	14	1160	E -24 1127
63		8.7R	30 9.840	0.0008	18	-23 32 58.07	0.015	18	0.33	9.827	16	33.8	58.30	16	33.8	G5 J	14	1161	E -23 962
64		9.0R	30 12.637	-0.0024	12	-27 49 13.03	0.032	12	0.25	12.675	16	33.8	13.55	16	33.8	G0 J	13B	979	J -28 806
65		8.9A	30 16.379	-0.0015	18	-20 23 29.21	-0.012	13	0.30	16.404	16	33.8	29.02	16	33.8	K0 J	13A	672	A -20 476
66		7.3T	30 17.220	0.0011	12	-27 13 23.30	-0.011	12	0.65	17.164	15	98.2	22.72	18	96.4	A3	GC	3059	C -27 882
67		9.0R	30 22.115	0.0033	18	-24 16 21.75	0.035	18	0.33	22.063	16	33.8	22.33	16	33.8	K0 J	14	1162	E -24 1130
68		8.7R	30 37.531	-0.0004	20	-25 58 25.84	-0.026	20	0.35	37.538	16	33.8	25.13	16	33.8	G0 J	14	1163	E -26 911
69		8.8R	30 52.831	0.0009	15	-27 29 1.69	-0.024	15	0.29	52.817	16	33.8	1.31	16	33.8	F8 J	13B	982	J -27 887
70		7.5R	31 3.764	0.0004	20	-26 30 37.02	-0.014	20	0.35	3.758	16	33.8	36.80	16	33.8	K2 J	14	1165	E -26 915
71		9.1R	31 3.769	0.0037	12	-25 15 25.81	0.004	12	0.25	3.710	16	33.8	25.87	16	33.8	G0 J	14	1164	E -25 998
72		9.6R	31 6.278	-0.0006	20	-24 53 57.26	0.048	20	0.35	6.288	16	33.8	58.04	16	33.8	F5 J	14	1166	E -25 1000
73		8.9R	31 7.379	-0.0019	20	-26 27 5.39	-0.031	20	0.35	7.409	16	33.8	4.89	16	33.8	G5 J	14	1167	E -26 916
74		9.1R	31 12.703	0.0017	17	-28 47 2.31	0.027	17	0.31	12.675	16	33.8	2.75	16	33.8	G0 J	13B	984	J -29 923
75		9.4R	31 15.089	0.0065	18	-24 27 24.40	0.046	18	0.33	14.984	16	33.8	25.15	16	33.8	K5 J	14	1169	E -24 1139
76		9.6R	31 16.055	0.0029	18	-21 53 51.02	-0.027	18	0.33	16.009	16	33.8	50.59	16	33.8	G0 J	14	1168	E -22 864
77		8.7R	31 21.534	-0.0008	17	-25 47 49.52	0.028	17	0.31	21.547	16	33.8	49.98	16	33.8	G5 J	14	1170	E -26 919
78		6.4T	31 21.687	-0.0032	12	-20 13 11.55	-0.076	12	0.51	21.811	17	11.8	8.39	18	08.5	K0	GC	3074	-20 480
79		9.0R	31 26.252	0.0039	17	-27 26 16.88	0.060	17	0.31	26.189	16	33.8	17.86	16	33.8	K0 J	13B	985	J -27 891
80		8.3R	31 34.261	0.0001	17	-25 17 48.61	0.009	17	0.31	34.259	16	33.8	48.75	16	33.8	K2 J	14	1171	E -25 1003
81		8.7T	31 38.497	-0.0015	17	-28 27 9.37	-0.002	16	0.85	38.573	21	98.8	9.28	21	00.3		GC	3082K	C -28 819
82		5.0T	31 39.261	-0.0017	05	-28 27 4.49	-0.009	04	0.24	39.336	09	05.4	4.07	09	01.5	B9	GC	3083K	C*-28 819
83		8.0R	31 42.748	0.0006	17	-29 38 41.06	-0.033	17	0.31	42.738	16	33.8	40.52	16	33.8	K0 J	13B	989	J -29 928
84		8.6A	31 45.818	-0.0001	18	-20 13 22.75	0.010	13	0.30	45.820	16	33.8	22.91	16	33.8	F0 J	13A	679	A -20 482
85		7.1T	32 18.953	-0.0031	11	-22 8 50.95	-0.071	10	0.61	19.121	15	95.8	46.81	15	91.3	K0	GC	3092	B*-22 444
86		8.5R	32 23.051	-0.0027	18	-23 21 40.69	0.041	18	0.33	23.094	16	33.8	41.35	16	33.8	K0 J	14	1174	E -23 972
87		9.3R	32 24.175	0.0055	12	-29 19 30.97	0.029	12	0.25	24.085	16	33.8	31.45	16	33.8	G0 J	13B	994	J -29 933
88		8.2R	32 24.338	0.0024	12	-25 35 51.63	0.024	12	0.25	24.298	16	33.8	52.03	16	33.8	K2 J	14	1175	E -25 1008
89		9.0R	32 29.967	0.0018	17	-27 33 51.37	0.005	17	0.31	29.937	16	33.8	51.46	16	33.8	G0 J	13B	995	J -27 896
90		9.3R	32 30.657	-0.0045	21	-24 32 57.35	0.005	21	0.37	30.730	16	33.8	57.43	16	33.8	G0 J	14	1176	E -24 1146
91		9.4R	32 35.199	-0.0016	15	-23 16 9.27	0.000	15	0.29	35.226	16	33.8	9.27	16	33.8	G5 J	14	1177	E -23 973
92		8.6R	32 48.539	0.0014	18	-26 58 48.04	-0.028	18	0.33	48.516	16	33.8	47.59	16	33.8	K0 J	13B	998	J -27 897
93		8.1T	33 0.065	-0.0021	12	-28 54 55.20	0.011	12	0.67	0.170	18	99.2	55.78	18	97.4	A0	GC	3110	C -29 935
94		8.4R	33 10.110	0.0007	17	-28 15 23.16	-0.019	20	0.33	10.098	16	33.8	22.86	16	33.8	G5 J	13B	1000	J -28 826
95		9.0R	33 14.195	-0.0006	00	-29 14 35.09	0.025	20	0.27	14.205	16	33.8	35.50	16	33.8	A7 J	13B	1002	J -29 937
96		9.1R	33 17.294	0.0017	20	-29 25 30.32	0.001	20	0.35	17.266	16	33.8	30.34	16	33.8	K0 J	13B	1003	J -29 938
97		9.2R	33 26.288	-0.0064	15	-26 45 3.84	-0.052	15	0.29	26.392	16	33.8	3.00	16	33.8	F8 J	14	1178	E -27 899
98		9.5R	33 29.672	-0.0022	18	-23 39 1.32	0.005	18	0.33	29.708	16	33.8	1.41	16	33.8	F8 J	14	1179	E -23 979
99		9.1A	33 30.309	-0.0013	18	-20 6 14.01	0.029	13	0.30	30.329	16	33.8	14.47	16	33.8	F8 J	13A	683	A -20 488
00		8.8R	33 30.815	0.0022	12	-28 31 44.64	0.002	12	0.25	30.779	16	33.8	44.68	16	33.8	K7 J	13B	1005	J -28 828

167900 — EPOCH 1950 — ORIGINAL EPOCH — -20° 2H

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	σ'_μ ″.001	σ_{1950} ″	α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	CAT.	STAR NUMBER	DM NUMBER
1		8.5R	2 33 31.505	0.0019	15	-26 54 50.50	-0.029	15	0.29	31.474	16	33.8	50.03	16	33.8	F5 J	13B	1004	J -27 900
2		9.3R	33 41.728	0.0010	21	-26 47 47.58	0.030	21	0.37	41.711	16	33.8	48.07	16	33.8	K0 J	13B	1006	J -27 901
3		7.2T	33 42.056	-0.0014	20	-21 37 15.92	0.018	16	0.89	42.123	18	02.1	16.83	18	00.6	G0	GC	31294	B+ -22 445
4		8.5R	33 44.980	0.0059	18	-23 44 19.63	0.013	18	0.33	44.885	16	33.8	19.85	16	33.8	K2 J	14	1180	E -24 1154
5		9.0R	33 47.204	0.0022	17	-26 54 57.99	0.049	17	0.31	47.169	16	33.8	58.79	16	33.8	G5 J	13B	1007	J -27 903
6		9.5R	33 48.194	-0.0003	18	-23 56 29.38	0.010	18	0.33	48.199	16	33.8	29.55	16	33.8	G5 J	14	1181	E -24 1155
7		9.2R	33 53.588	0.0027	12	-23 18 38.02	0.031	12	0.25	53.544	16	33.8	38.52	16	33.8	K0 J	14	1182	E -23 1020
8		9.0R	33 55.159	-0.0018	18	-23 51 58.42	0.016	18	0.33	55.187	16	33.8	58.69	16	33.8	K2 J	14	1183	E -24 936
9		8.6R	33 56.027	0.0011	20	-23 8 31.92	0.115	20	0.35	56.009	16	33.8	33.69	16	33.8	G0 J	13B	1009	J -23 945
10		8.2R	33 56.904	-0.0052	12	-28 26 10.74	0.051	12	0.25	56.988	16	33.8	11.58	16	33.8	G0 J	13B	1010	J -28 832
11		8.8A	34 5.192	0.0005	18	-20 1 20.47	-0.010	13	0.30	5.184	16	33.8	20.30	16	33.8	G5 J	13A	688	A -20 490
12		9.2R	34 6.468	-0.0011	21	-26 46 54.03	0.002	21	0.37	6.485	16	33.8	54.07	16	33.8	K0 J	13B	1012	J -27 907
13		9.3R	34 8.039	-0.0045	17	-29 20 51.30	0.032	17	0.31	8.113	16	33.8	51.82	16	33.8	G J	13B	1013	J -29 948
14		7.6T	34 14.178	0.0014	13	-24 8 9.68	-0.021	12	0.70	14.107	18	99.5	8.59	19	96.8	K0	GC	3144	C -24 1157
15		8.6A	34 14.334	-0.0032	17	-20 2 4.42	0.003	12	0.28	14.385	16	33.8	4.47	16	33.8	G5 J	13A	689	A -20 491
16		8.5A	34 29.321	0.0002	18	-20 59 9.28	0.008	13	0.30	29.318	16	33.8	9.41	16	33.8	A3 J	13A	691	A -21 461
17		9.0A	34 30.928	-0.0057	18	-21 30 41.32	-0.046	15	0.31	31.021	16	33.8	40.56	16	33.8	G5 J	13A	693	A -21 462
18		7.1T	34 31.986	-0.0032	18	-20 20 17.42	-0.043	15	0.74	32.122	19	08.2	15.50	19	05.4	K0	GC	3148	-20 492
19		9.4R	34 33.723	-0.0062	15	-22 55 59.21	-0.050	15	0.29	33.825	16	33.8	58.40	16	33.8	G0 J	14	1185	E -23 988
20		8.0R	34 33.927	-0.0052	12	-25 14 21.93	-0.070	12	0.25	34.012	16	33.8	20.79	16	33.8	G0 J	14	1186	E -25 1025
21		8.3R	34 39.770	-0.0011	18	-24 28 46.21	-0.027	18	0.33	39.787	16	33.8	45.78	16	33.8	K2 J	14	1188	E -24 1159
22		7.2T	34 54.654	0.0049	13	-29 12 35.41	-0.026	13	0.70	54.406	18	99.7	34.05	18	97.9	G0	GC	3154	C -29 951
23		9.3R	34 58.810	0.0028	18	-22 18 45.28	0.022	18	0.33	58.764	16	33.8	45.63	16	33.8	F8 J	14	1189	E -22 883
24		8.4A	35 1.882	0.0033	18	-20 52 46.02	0.007	13	0.30	1.826	16	33.8	46.14	16	33.8	K5 J	13A	694	A -21 466
25	10.5	10.8W	35 3.011	0.0015	21	-29 51 54.92	0.048	21	0.43	2.984	22	32.0	55.78	21	32.0	A0 L	C7	931	C -30 966
26		8.7R	35 4.761	-0.0021	18	-22 56 29.97	-0.011	18	0.33	4.795	16	33.8	29.80	16	33.8	G0 J	14	1190	E -23 995
27		8.5R	35 6.049	0.0048	18	-23 56 19.40	-0.017	18	0.33	5.972	16	33.8	19.13	16	33.8	F8 J	14	1191	E -24 1162
28		9.3R	35 12.301	0.0021	18	-22 39 24.15	0.031	18	0.33	12.268	16	33.8	24.64	16	33.8	K0 J	14	1192	E -22 886
29		9.1R	35 13.546	-0.0018	18	-23 8 28.14	0.048	18	0.33	13.575	16	33.8	28.92	16	33.8	G0 J	14	1193	E -23 996
30		9.3R	35 23.068	0.0020	17	-29 43 17.43	-0.020	17	0.31	23.036	16	33.8	17.10	16	33.8	G5 J	13B	1020	J -30 967
31		6.9T	35 28.633	-0.0007	07	-23 12 30.11	0.051	07	0.34	28.663	10	04.7	32.42	10	04.6	G5	GC	3163	C+ -23 998
32		8.4R	35 30.638	0.0074	12	-29 32 23.42	0.053	12	0.25	30.519	16	33.8	24.28	16	33.8	G0 J	13B	1021	J -29 955
33		9.3R	35 42.159	-0.0024	18	-23 6 5.63	0.009	18	0.33	42.197	16	33.8	5.77	16	33.8	K0 J	14	1195	E -23 999
34		9.3R	35 42.240	-0.0001	12	-29 9 30.37	0.027	12	0.25	42.242	16	33.8	30.81	16	33.8	G5 J	13B	1023	J -29 956
35		8.5R	35 45.070	-0.0020	12	-22 20 49.97	-0.001	15	0.27	45.103	16	33.8	49.97	16	33.8	G0 J	14	1196	E -22 890
36		8.8A	35 48.922	-0.0057	15	-20 24 11.75	-0.035	12	0.27	49.015	16	33.8	11.18	16	33.8	G5 J	13A	697	A -20 495
37		9.2R	36 6.447	0.0019	17	-28 46 32.24	0.032	17	0.31	6.415	16	33.8	32.76	16	33.8	G5 J	13B	1025	J -29 958
38		8.9R	36 14.444	-0.0014	17	-28 59 27.96	-0.026	17	0.31	14.467	16	33.8	27.54	16	33.8	F8 J	13B	1027	J -29 960
39		7.1T	36 15.470	-0.0036	17	-20 40 15.40	-0.049	15	0.84	15.659	24	00.7	12.88	22	98.3	K0	GC	3172	-21 469
40		8.3A	36 18.780	0.0004	17	-21 15 11.77	0.027	11	0.27	18.774	16	33.8	12.21	16	33.8	M2 J	13A	700	A -21 470
41		9.0R	36 22.836	-0.0007	12	-25 28 2.64	0.013	12	0.25	22.847	16	33.8	2.86	16	33.8	G0 J	14	1197	E -25 1041
42		8.6R	36 35.035	0.0008	12	-27 43 36.74	0.032	12	0.25	35.023	16	33.8	37.26	16	33.8	K2 J	13B	1030	J -28 846
43		8.5R	36 35.413	0.0012	12	-25 34 50.79	-0.008	12	0.25	35.394	16	33.8	50.66	16	33.8	F0 J	14	1198	E -25 1044
44		8.7R	36 41.113	0.0014	12	-28 22 50.36	-0.006	12	0.25	41.090	16	33.8	50.27	16	33.8	F5 J	13B	1032	J -28 847
45		7.4T	36 41.468	-0.0004	12	-25 57 33.60	-0.088	12	0.67	41.491	18	97.9	28.85	18	95.7	K5	GC	3182	C -26 953
46		8.5A	36 44.898	-0.0014	15	-21 6 3.49	-0.039	12	0.27	44.921	16	33.8	2.86	16	33.8	F8 J	13A	702	A -21 471
47		9.3R	36 46.255	-0.0016	20	-27 39 39.22	0.003	20	0.35	46.281	16	33.8	39.28	16	33.8	K J	13B	1033	J -27 924
48		8.1R	36 52.228	-0.0016	18	-24 33 10.56	-0.004	18	0.33	52.253	16	33.8	10.50	16	33.8	F2 J	14	1200	E -24 1162
49		9.0R	36 52.958	0.0016	20	-27 33 32.38	-0.011	20	0.35	52.932	16	33.8	32.21	16	33.8	K2 J	13B	1034	J -27 925
50		8.9R	36 53.011	-0.0002	12	-24 43 19.15	0.027	12	0.25	53.014	16	33.8	19.59	16	33.8	G5 J	14	1201	E -25 1045
51		7.3T	2 36 54.144	0.0033	12	-28 2 9.61	-0.065	12	0.66	53.970	18	97.5	6.20	18	97.3	K0	GC	3191	C -28 848
52		8.4R	36 56.400	0.0134	20	-26 31 48.37	-0.211	20	0.35	56.182	16	33.8	44.95	16	33.8	G0 J	14	1202	E -26 957
53		8.1A	36 58.873	0.0040	18	-20 23 9.80	-0.000	13	0.30	58.808	16	33.8	9.80	16	33.8	K0 J	13A	703	A -20 498
54		8.5R	37 0.283	0.0015	12	-28 30 45.37	-0.005	12	0.25	0.259	16	33.8	45.29	16	33.8	F5 J	13B	1036	J -28 850
55		7.8T	37 12.786	0.0017	13	-25 47 1.72	0.012	12	0.68	12.703	17	99.7	2.38	18	96.4	K0	GC	3200	C -26 958
56		9.5R	37 21.974	-0.0005	18	-22 14 12.72	0.085	18	0.33	21.983	16	33.8	14.10	16	33.8	G0 J	14	1204	E -22 901
57		7.4T	37 22.070	-0.0084	18	-20 38 24.75	-0.197	16	0.83	22.456	22	04.2	15.23	19	01.6	G0	GC	3205	-21 474
58		8.2R	37 39.122	0.0041	18	-24 8 40.14	-0.002	18	0.33	39.056	16	33.8	40.10	16	33.8	G5 J	14	1206	E -24 1189
59		8.9R	37 41.105	0.0004	20	-26 32 5.53	-0.002	20	0.35	41.099	16	33.8	5.50	16	33.8	K5 J	14	1208	E -26 964
60		8.4R	37 41.778	0.0062	12	-24 41 41.06	-0.052	12	0.25	41.677	16	33.8	40.21	16	33.8	G5 J	14	1207	E -25 1051
61		9.4R	37 47.043	-0.0015	18	-22 33 1.87	0.018	18	0.33	47.067	16	33.8	2.16	16	33.8	G5 J	14	1209	E -22 904
62		8.4R	37 47.661	0.0019	12	-28 16 51.82	0.005	12	0.25	47.629	16	33.8	51.91	16	33.8	G5 J	13B	1039	J -28 853
63		9.3R	38 9.328	-0.0036	15	-27 20 20.47	-0.050	12	0.27	9.367	16	33.8	19.66	16	33.8	G0 J	13B	1041	J -27 936
64		9.2R	38 15.031	0.0003	12	-29 25 44.76	-0.042	12	0.25	15.027	16	33.8	44.08	16	33.8	G5 J	13B	1042	J -29 975
65		7.6R	38 16.922	0.0012	15	-24 20 57.76	0.022	15	0.29	16.903	16	33.8	58.12	16	33.8	F5 J	14	1211K	E -24 1196
66		8.2R	38 20.984	-0.0035	15	-21 47 23.31	-0.189	15	0.29	21.042	16	33.8	20.25	16	33.8	G0 J	14	1212	E -22 907
67		9.1R	38 26.865	-0.0024	18	-23 2 16.86	-0.016	18	0.33	26.905	16	33.8	16.59	16	33.8	K0 J	14	1213	E -23 1017
68		9.2R	38 33.108	0.0024	18	-23 10 10.29	-0.007	18	0.33	33.069	16	33.8	10.18	16	33.8	G0 J	14	1214	E -23 1020
69		9.7R	38 34.286	-0.0002	20	-24 38 48.06	0.126	20	0.35	34.289	16	33.8	50.10	16	33.8		14	1215	E -24 1198
70		8.4R	38 39.505	0.0013	18	-22 8 8.04	0.044	18	0.33	39.484	16	33.8	8.74	16	33.8	K0 J	14	1216	E -22 908
71		9.1R	38 44.204	0.0011	18	-24 8 8.70	-0.094	18	0.33	44.187	16	33.8	7.18	16	33.8	G0 J	14	1217	E -24 1199
72		8.4R	38 53.920	0.0025	12	-24 42 33.48	0.014	12	0.25	53.880	16	33.8	33.71	16	33.8	K2 J	14	1218	E -25 1062
73		9.2R	39 17.765	0.0006	15	-25 2 27.97	0.037	15	0.29	17.756	16	33.8	28.57	16	33.8	F5 J	14	1219	E -25 1066
74		8.0R	39 20.783	0.0011	12	-27 43 44.56	0.027	12	0.25	20.765	16	33.8	45.00	16	33.8	G0 J	13B	1045	J -28 863
75		8.5A	39 25.795	0.0038	18	-21 23 7.80	0.069	13	0.30	25.734	16	33.8	8.92	16	33.8	G0 J	13A	716	A -21 478
76		8.7A	39 35.809	0.0023	18	-20 24 42.85	-0.021	13	0.30	35.772	16	33.8	42.50	16	33.8	G5 J	13A	717	A -20 502
77		8.0R	39 41.722	0.0029	18	-22 49 6.26	-0.023	18	0.33	41.676	16	33.8	5.88	16	33.8	M5 J	14	1221	E -23 1029
78		8.4R	39 46.484	0.0039	17	-28 45 33.31	0.011	17	0.31	46.420	16	33.8	33.49	16	33.8	K0 J	13B	1049	J -29 984
79		8.5R	39 46.867	-0.0013	20	-28 9 45.24	0.036	20	0.35	46.868	16	33.8	45.83	16	33.8	A3 J	13B	1050	J -28 869
80		8.3R	39 56.214	0.0034	15	-25 31 12.36	-0.009	15	0.29	56.159	16	33.8	12.24	16	33.8	K0 J	14	1222	E -25 1069
81		8.1R	39 57.596	-0.0059	18	-27 34 24.89	0.006	18	0.33	57.691	16	33.8	24.99	16	33.8	F5 J	13B	1051	J -27 946
82		9.0R	39 58.618	0.0003	15	-24 52 20.06	-0.044	15	0.29	58.612	16	33.8	19.35	16	33.8	A2 J	14	1223	E -25 1070
83		9.5R	40 1.159	0.0007	15	-22 51 8.08	-0.004	15	0.29	1.148	16	33.8	8.02	16	33.8	K2 J	14	1224	E -23 1032
84		8.5T	40 11.241	0.0017	17	-28 47 14.48	0.010	15	0.81	11.157	26	01.1	14.97	21	01.6	F5	GC	3265	C -29 986
85		9.1R	40 11.647	-0.0119	20	-25 56 51.57	-0.121	20	0.35	11.839	16	33.8	49.61	16	33.8	K2 J	14	1227	E -26 983
86		8.6R	40 11.878	0.0010	18	-26 6 11.69	-0.008	18	0.33	11.862	16	33.8	11.57	16	33.8	K2 J	14	1226	E -26 982
87		8.0A	40 11.988	0.0009	18	-21 40 38.77	0.018	13	0.30	11.974	16	33.8	39.06	16	33.8	M1 J	13A	721	A -22 465
88		9.0R	40 14.373	-0.0031	18	-22 1 41.15	-0.056	18	0.33	14.423	16	33.8	40.25	16	33.8	K2 J	14	1225	E -22 918
89		9.1R	40 19.064	0.0030	18	-24 54 8.90	-0.010	18	0.33	19.016	16	33.8	8.74	16	33.8	A2 J	14	1230	E -25 1073
90		9.5R	40 19.104	-0.0043	18	-24 8 45.92	-0.004	18	0.33	19.175	16	33.8	45.86	16	33.8	A5 J	14	1229	E -24 1211
91		8.4A	40 20.416	0.0017	20	-20 45 0.27	-0.008	12	0.30	20.388	16	33.8	0.14	16	33.8	G5 J	13A	724	A -21 481
92		9.3R	40 24.677	0.0059	17	-29 10 41.45	-0.087	17	0.31	24.581	16	33.8	40.04	16	33.8	G0 J	13B	1054	J -29 991
93		8.4R	40 31.221	0.0036	17	-25 31 53.41	0.049	12	0.28	31.162	16	33.8	54.21	16	33.8	G5 J	14	1231	E -25 1076
94		9.1A	40 35.172	-0.0030	17	-20 33 4.91	-0.028	12	0.28	35.221	16	33.8	4.46	16	33.8	G0 J	13A	725	A -20 505
95		7.4A	40 39.615	0.0078	18	-20 30 4.81	0.032	13	0.30	39.489	16	33.8	5.33	16	33.8	G0 J	13A	726	A -20 506
96		6.8T	40 40.033	-0.0013	12	-28 21 47.54	-0.014	12	0.65	40.100	18	98.3	46.83	18	98.0	G0	GC	3275	C -28 870
97		9.5R	40 40.959	-0.0008	21	-26 38 11.79	0.024	21	0.37	40.972	16	33.8	12.18	16	33.8		14	1232	E -26 986
98		8.6R	40 45.301	0.0012	18	-26 19 50.71	-0.032	18	0.33	45.281	16	33.8	50.20	16	33.8	M3 J	14	1233	E -26 987
99		8.9R	40 57.856	-0.0020	18	-26 9 10.78	-0.014	15	0.31	57.888	16	33.8	10.56	16	33.8	G0 J	14	1234	E -26 988
00		8.5R	41 10.892	-0.0007	18	-26 43 24.66	-0.010	18	0.33	10.904	16	33.8	24.50	16	33.8	A3 J	14	1235	E+ -27 957

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NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ_α s	σ_{μ_α} ″.001	δ_{1950} ° ′ ″	μ_δ ″	σ_{μ_δ} ″.001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	SOURCE CAT.	STAR NUMBER	-20° 2H DM NUMBER
1		9.1R	2 41 23.203	0.0010	18	-27 4 49.79	0.022	18	0.33	23.186	16	33.8	50.15	16	33.8	K2 J	13B	1057	J -27 959
2		8.4R	41 25.000	0.0013	12	-25 39 42.56	-0.024	12	0.25	24.978	16	33.8	42.18	16	33.8	K5 J	14	1237	E -25 1080
3		8.9R	41 26.002	0.0001	12	-22 52 52.76	0.001	12	0.25	26.000	16	33.8	52.78	16	33.8	F5 J	14	1236	E -23 1040
4		9.1R	41 34.625	0.0057	12	-29 36 51.82	-0.013	12	0.25	34.533	16	33.8	51.60	16	33.8	G0 J	13B	1060	J -29 1000
5		7.6T	41 34.729	0.0055	12	-28 6 39.47	0.005	12	0.66	34.445	17	98.4	39.76	18	96.6	G5	GC	3297K	C*-28 875
6		8.3T	41 36.660	0.0059	22	-29 1 4.21	0.027	20	0.97	38.396	22	05.4	5.43	22	04.8	K0	GC	3299	C -29 1001
7		9.0R	41 49.057	0.0053	18	-24 20 18.14	-0.063	18	0.33	48.971	16	33.8	17.13	16	33.8	K0 J	14	1238	E -24 1221
8		8.7A	41 49.937	-0.0010	15	-20 44 4.85	0.015	12	0.27	49.953	16	33.8	5.10	16	33.8	K0 J	13A	732	A -21 489
9		9.0R	41 53.457	-0.0005	18	-23 59 20.68	0.020	18	0.33	53.465	16	33.8	21.01	16	33.8	F5 J	14	1239	E -24 1222
10		9.1R	41 55.234	-0.0046	18	-24 1 11.53	-0.028	18	0.33	55.310	16	33.8	11.08	16	33.8	F8 J	14	1240	E -24 1223
11		9.0R	42 1.009	0.0115	17	-25 42 36.26	0.081	17	0.31	0.822	16	33.8	37.58	16	33.8	G0 J	14	1241	E -26 996
12		6.9H	42 1.200	0.0120	03	-25 42 24.78	0.052	03	0.10	0.877	05	23.2	26.23	05	22.2	G0	F4	1078	C -26 996
13		8.3R	42 7.956	0.0020	12	-25 3 42.62	0.017	12	0.25	7.924	16	33.8	42.89	16	33.8	K0 J	14	1243	E -25 1083
14		8.1R	42 15.242	-0.0031	18	-24 37 21.85	-0.251	18	0.33	15.292	16	33.8	17.78	16	33.8	G5 J	14	1244	E -24 1225
15		9.4R	42 17.475	-0.0015	20	-25 45 38.57	-0.037	20	0.35	17.499	16	33.8	37.98	16	33.8	G0 J	14	1245	E -26 997
16		9.3R	42 21.821	-0.0045	18	-26 57 25.59	-0.045	18	0.33	21.894	16	33.8	24.86	16	33.8	K7 J	13B	1067	J -27 965
17		8.9R	42 23.285	0.0016	15	-24 10 33.07	-0.022	15	0.29	23.260	16	33.8	32.72	16	33.8	M0 J	14	1246	E -24 1228
18		8.8R	42 31.661	-0.0031	18	-26 24 59.34	0.023	15	0.31	31.711	16	33.8	59.72	16	33.8	A2 J	14	1247	E -26 1000
19		9.4R	42 35.089	0.0014	15	-24 52 7.04	-0.005	15	0.29	35.067	16	33.8	6.96	16	33.8	G5 J	14	1248	E -25 1088
20		8.7R	42 37.141	0.0013	18	-24 2 39.52	-0.029	18	0.33	37.121	16	33.8	39.04	16	33.8	K5 J	14	1249	E -24 1230
21		7.2T	42 45.543	-0.0026	14	-22 22 32.04	-0.099	12	0.70	45.676	15	99.1	26.67	15	95.5	F8	GC	3316	-22 474
22		9.1R	42 47.066	0.0003	20	-26 21 52.93	0.028	20	0.35	47.061	16	33.8	53.39	16	33.8	F8 J	14	1251	E -26 1002
23		9.3R	42 53.672	0.0030	12	-27 51 30.45	0.022	12	0.25	53.623	16	33.8	30.81	16	33.8	G5 J	13B	1069	J -28 883
24		9.6R	42 56.526	0.0019	18	-23 1 37.61	0.040	18	0.33	56.495	16	33.8	38.25	16	33.8	F5 J	14	1252	E -23 1048
25		7.1T	43 0.963	-0.0017	16	-20 36 41.55	0.016	15	0.73	1.039	19	06.1	42.30	19	03.5	A0	GC	3321	-21 493
26		9.3R	43 7.982	0.0006	12	-29 27 30.10	-0.005	12	0.25	7.972	16	33.8	30.02	16	33.8	G5 J	13B	1070	J -29 1004
27		8.1R	43 9.112	0.0036	12	-24 51 44.65	0.041	12	0.25	9.054	16	33.8	45.31	16	33.8	F2 J	14	1253	E -25 1093
28		9.0A	43 20.041	0.0028	18	-20 16 45.83	-0.027	13	0.30	19.995	16	33.8	45.39	16	33.8	F5 J	13A	738	A -20 511
29		8.5R	43 44.046	0.0010	12	-28 52 36.63	-0.012	12	0.25	44.029	16	33.8	36.44	16	33.8	K0 J	13B	1072	J -29 1008
30		9.2R	43 44.785	-0.0042	18	-22 56 58.65	-0.004	18	0.33	44.854	16	33.8	58.59	16	33.8	F5 J	14	1254	E -23 1050
31		8.8R	43 45.333	0.0020	17	-25 25 11.23	0.021	17	0.31	45.300	16	33.8	11.57	16	33.8	G5 J	14	1255	E -25 1097
32		8.9R	43 47.387	-0.0010	15	-23 48 56.39	0.023	15	0.29	47.403	16	33.8	6.77	16	33.8	F2 J	14	1256	E -24 1234
33		9.6R	43 51.031	0.0050	18	-24 35 55.97	0.009	18	0.33	50.951	16	33.8	56.12	16	33.8	K0 J	14	1258	E -24 1236
34		7.4T	43 55.233	0.0006	14	-25 32 36.05	-0.043	12	0.69	55.205	18	00.7	33.85	17	98.4	K0	GC	3336	C -25 1099
35		8.7R	44 1.553	-0.0025	20	-27 12 15.48	-0.056	20	0.35	1.593	16	33.8	14.58	16	33.8	G0 J	13B	1077	J -27 975
36		8.6R	44 3.199	-0.0007	18	-26 22 51.15	0.027	18	0.33	3.209	16	33.8	51.59	16	33.8	G5 J	14	1261	E -26 1013
37		9.3R	44 9.026	0.0054	20	-23 2 6.77	0.038	20	0.35	8.939	16	33.8	7.39	16	33.8	F5 J	14	1263	E -23 1055
38		7.1T	44 9.641	0.0070	16	-21 52 14.98	0.035	15	0.80	9.293	18	00.3	16.78	18	99.1	F0	GC	3340	-22 477
39		9.2R	44 11.068	-0.0003	20	-23 2 8.15	0.013	20	0.35	11.074	16	33.8	8.35	16	33.8	F5 J	14	1264	E -23 1055
40		9.6R	44 11.960	0.0001	18	-22 27 11.12	-0.005	18	0.33	11.958	16	33.8	11.04	16	33.8	G5 J	14	1265	E -22 941
41		9.1R	44 17.891	0.0052	17	-28 3 44.87	0.049	17	0.31	17.805	16	33.8	45.67	16	33.8	K0 J	13B	1079	J -28 892
42		9.2R	44 25.360	0.0006	17	-26 17 45.57	0.085	17	0.31	25.350	16	33.8	46.96	16	33.8	G0 J	14	1269	E -26 1016
43		9.3R	44 26.902	0.0182	20	-23 17 50.90	0.142	20	0.35	26.607	16	33.8	53.20	16	33.8	M0 J	14	1266	E -23 1056
44		9.1R	44 27.498	0.0013	18	-22 52 11.45	-0.015	18	0.33	27.478	16	33.8	11.21	16	33.8	K0 J	14	1267	E -23 1059
45		6.5T	44 28.739	0.0062	10	-21 50 55.56	0.012	10	0.42	28.487	09	09.3	56.05	09	10.5	F5	GC	3348	-22 479
46		8.8A	44 29.062	0.0004	18	-21 17 20.45	0.013	13	0.30	29.056	16	33.8	20.66	16	33.8	K0 J	13A	745	A -21 497
47		9.1R	44 35.055	-0.0002	20	-27 7 27.24	-0.009	20	0.35	35.058	16	33.8	27.10	16	33.8	F2 J	13B	1080	J -27 978
48		9.3R	44 47.265	0.0041	20	-25 10 7.12	0.002	20	0.35	47.199	16	33.8	7.15	16	33.8	G0 J	14	1270	E -25 1103
49		9.1R	44 50.724	-0.0026	18	-21 54 26.98	0.030	18	0.33	50.766	16	33.8	27.48	16	33.8	M0 J	14	1271	E -22 946
50		9.4R	44 50.957	0.0003	17	-24 48 2.01	-0.019	17	0.31	50.951	16	33.8	1.70	16	33.8	F5 J	14	1272	E -25 1104
51		6.7T	2 44 55.973	-0.0018	10	-22 41 37.03	-0.035	10	0.54	56.066	15	97.2	35.13	14	95.7	F2	GC	3357	C*-23 1061
52		9.0R	45 14.268	-0.0013	18	-25 33 42.99	0.046	18	0.33	14.247	16	33.8	43.75	16	33.8	F5 J	14	1276	E -25 1106
53		9.2R	45 14.648	-0.0009	12	-22 11 6.00	-0.014	12	0.25	14.664	16	33.8	5.78	16	33.8	K5 J	14	1275	E -22 948
54		9.1R	45 15.081	0.0048	18	-27 30 36.70	-0.087	18	0.33	15.002	16	33.8	35.29	16	33.8	K0 J	13B	1083	J -27 983
55	10.8	10.1W	45 16.125	0.0006	21	-29 53 3.49	0.033	21	0.44	16.114	22	31.9	4.08	21	31.9	G5 L	C7	987	C -30 1041
56		9.1R	45 20.801	0.0007	12	-28 49 2.95	0.001	12	0.25	20.789	16	33.8	2.97	16	33.8	K0 J	13B	1085	J -29 1015
57		9.3R	45 28.799	-0.0015	17	-26 33 25.62	0.004	17	0.31	28.823	16	33.8	25.69	16	33.8	F5 J	14	1277	E -26 1024
58		8.6R	45 39.810	0.0033	18	-24 26 49.53	0.037	18	0.33	39.757	16	33.8	50.14	16	33.8	G5 J	14	1278	E -24 1248
59		8.0R	45 44.351	0.0051	12	-25 0 25.44	-0.048	12	0.25	44.267	16	33.8	24.67	16	33.8	K0 J	14	1279	E -25 1110
60		8.0R	45 46.173	0.0134	12	-26 18 5.06	-0.046	12	0.25	45.956	16	33.8	4.32	16	33.8	G5 J	14	1280	E -26 1025
61		9.3R	45 46.969	0.0030	12	-29 46 36.00	-0.054	12	0.25	46.921	16	33.8	35.12	16	33.8	F5 J	13B	1087	J -30 1048
62		8.4A	45 53.720	0.0003	18	-20 10 40.27	-0.065	13	0.30	53.715	16	33.8	39.21	16	33.8	G5 J	13A	755	A -20 518
63		9.4R	45 55.924	-0.0004	18	-22 44 46.89	0.046	15	0.31	55.931	16	33.8	47.64	16	33.8	F8 J	14	1281	E -23 1064
64		8.7R	46 7.009	0.0042	20	-29 38 36.48	0.043	17	0.33	6.941	16	33.8	37.17	16	33.8	F5 J	13B	1089	J -29 1022
65		9.0R	46 13.837	-0.0008	15	-23 18 0.27	-0.011	15	0.29	13.849	16	33.8	0.10	16	33.8	F2 J	14	1282	E -23 1069
66		7.8A	46 21.589	0.0018	17	-21 1 42.05	-0.012	11	0.27	21.560	16	33.8	41.86	16	33.8	G5 J	13A	758	A -21 499
67		9.1R	46 23.978	0.0017	15	-26 39 10.11	0.027	15	0.29	23.950	16	33.8	10.55	16	33.8	F5 J	14	1283	E -26 1027
68		8.9R	46 25.759	0.0002	12	-28 45 0.25	0.020	12	0.25	25.756	16	33.8	0.58	16	33.8	F5 J	13B	1091	J -29 1026
69		7.9R	46 42.581	-0.0007	12	-24 49 0.69	0.018	12	0.25	42.592	16	33.8	0.98	16	33.8	G5 J	14	1284	E -25 1114
70		9.1A	46 46.456	0.0018	17	-21 2 31.22	0.008	12	0.28	46.427	16	33.8	31.35	16	33.8	K2 J	13A	760	A -21 503
71		9.0R	46 58.304	0.0009	20	-25 29 45.16	0.017	20	0.35	58.289	16	33.8	45.43	16	33.8	A5 J	14	1285	E -25 1116
72		9.3R	47 5.424	-0.0007	18	-21 51 46.08	-0.006	18	0.33	5.436	16	33.8	46.00	16	33.8	K2 J	14	1286	E -22 958
73		8.6R	47 5.975	0.0003	17	-29 45 50.75	-0.026	17	0.31	5.970	16	33.8	50.32	16	33.8	G5 J	13B	1094	J -30 1056
74		9.3R	47 10.152	0.0016	18	-23 57 1.08	-0.016	18	0.33	10.126	16	33.8	0.83	16	33.8	G0 J	14	1287	E -24 1264
75		8.8R	47 10.679	0.0066	17	-29 15 54.23	0.007	17	0.31	10.572	16	33.8	54.35	16	33.8	A0 J	13B	1095	J -29 1035
76		9.0R	47 24.021	0.0022	17	-29 20 49.02	0.055	17	0.31	23.985	16	33.8	49.92	16	33.8	G5 J	13B	1097	J -29 1039
77		9.4R	47 24.506	-0.0025	18	-24 40 10.12	0.024	18	0.33	24.547	16	33.8	10.51	16	33.8	F8 J	14	1289	E -24 1266
78		8.4R	47 27.176	-0.0004	18	-21 55 34.15	-0.002	18	0.33	27.183	16	33.8	34.11	16	33.8	G5 J	14	1288	E -22 961
79		8.0A	47 27.460	0.0024	17	-20 27 8.89	-0.022	12	0.28	27.422	16	33.8	8.53	16	33.8	G5 J	13A	763	A -20 523
80		7.5A	47 30.226	0.0002	15	-20 27 9.05	0.026	12	0.27	30.222	16	33.8	9.47	16	33.8	K5 J	13A	765	A -20 524
81		6.3T	47 38.022	-0.0034	07	-24 45 53.61	-0.124	07	0.40	38.217	15	93.6	46.70	12	94.4	G5	GC	3404K	C -25 1120
82		5.4T	47 44.149	0.0033	06	-28 8 54.38	0.032	05	0.28	43.994	10	03.3	55.96	10	01.2	A0	GC	3405	C*-28 903
83		9.0R	47 53.243	-0.0050	20	-22 22 25.03	-0.002	20	0.35	53.323	16	33.8	24.99	16	33.8	G5 J	14	1291	E -22 964
84		9.0R	47 59.788	-0.0009	20	-26 14 47.59	-0.010	20	0.35	59.802	16	33.8	47.43	16	33.8	F5 J	14	1292	E -26 1036
85		9.0R	48 2.328	-0.0001	20	-24 55 29.62	0.013	20	0.35	2.330	16	33.8	29.83	16	33.8	K0 J	14	1293	E -25 1123
86		9.1R	48 5.185	0.0007	20	-25 43 39.51	0.023	20	0.35	5.173	16	33.8	39.89	16	33.8	F5 J	14	1296	E -26 1038
87		9.2R	48 6.337	-0.0012	20	-23 41 12.66	0.025	20	0.35	6.357	16	33.8	13.07	16	33.8	K2 J	14	1295	E -23 1082
88		8.4A	48 14.032	0.0004	18	-20 19 58.28	-0.003	13	0.30	14.025	16	33.8	58.23	16	33.8	A2 J	13A	768	A -20 528
89		8.8A	48 18.604	0.0072	18	-20 46 33.17	0.035	13	0.30	18.487	16	33.8	33.74	16	33.8	G5 J	13A	769	A -21 506
90		9.2R	48 24.676	0.0051	15	-21 45 25.13	-0.032	15	0.29	24.593	16	33.8	24.62	16	33.8	G5 J	14	1297	E -22 965
91		9.4R	48 33.424	0.0055	18	-22 22 33.56	-0.012	18	0.33	33.336	16	33.8	33.37	16	33.8	G5 J	14	1299	E -22 966
92		7.4T	48 35.472	0.0046	12	-23 13 59.36	0.011	12	0.66	35.232	18	98.3	59.94	18	97.0	A2	GC	3424	C -23 1086
93		9.4R	48 39.169	-0.0011	18	-24 33 27.51	0.011	18	0.33	39.187	16	33.8	27.69	16	33.8	G0 J	14	1301	E -24 1277
94		4.8H	48 46.150	-0.0038	02	-21 12 32.91	-0.018	02	0.06	46.280	03	15.7	32.33	04	17.3	K0	F4	102	-21 509
95		9.4R	48 47.940	-0.0013	17	-27 2 57.62	0.049	17	0.31	47.961	16	33.8	58.42	16	33.8	F5 J	13B	1103	J -27 1003
96		8.6R	48 49.051	0.0078	17	-28 20 13.88	0.054	17	0.31	48.924	16	33.8	14.76	16	33.8	F8 J	13B	1104	J -28 909
97		8.5R	48 51.641	0.0011	17	-29 12 28.55	0.001	17	0.31	51.623	16	33.8	28.57	16	33.8	G0 J	13B	1105	J -29 1048
98		9.2R	48 56.450	-0.0028	15	-22 34 18.33	0.010	15	0.29	56.496	16	33.8	18.49	16	33.8	M0 J	14	1302	E -22 967
99		8.3R	49 19.074	0.0009	17	-27 50 17.69	0.038	17	0.31	19.060	16	33.8	18.31	16	33.8	F0 J	13B	1107	J -28 914
00		9.1R	49 20.387	-0.0000	17	-28 38 58.18	-0.028	17	0.31	20.387	16	33.8	57.73	16	33.8	G5 J	13B	1108	J -28 915

168100

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	EPOCH 1950 μ s	EPOCH 1950 σ_μ ″.001	EPOCH 1950 δ_{1950} ° ′ ″	EPOCH 1950 μ' ″	EPOCH 1950 $\sigma_{\mu'}$ ″.001	EPOCH 1950 σ_{1950} ″	ORIGINAL EPOCH α_2 s	ORIGINAL EPOCH σ ″.01	ORIGINAL EPOCH ep.	ORIGINAL EPOCH δ_2 ″	ORIGINAL EPOCH σ' ″.01	ORIGINAL EPOCH ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	-20° 2H DM NUMBER
1		9.2R	2 49 22.222	0.0021	13	-24 23 33.25	0.002	13	0.27	22.189	16	33.8	33.29	16	33.8	K2 J	14	1305	E -24 1281
2		9.2R	49 24.324	0.0026	20	-22 23 21.40	-0.022	20	0.35	24.282	16	33.8	21.04	16	33.8	G0 J	14	1306	E -22 970
3		8.0A	49 30.124	0.0010	18	-21 29 40.83	0.001	13	0.30	30.108	16	33.8	40.85	16	33.8	G0 J	13A	776K	A -21 511
4		9.0R	49 35.329	0.0008	18	-23 22 51.96	-0.054	18	0.33	35.317	16	33.8	51.08	16	33.8	G5 J	14	1309	E -23 1091
5		9.5R	49 35.608	0.0053	18	-22 1 12.45	0.027	16	0.33	35.522	16	33.8	12.89	16	33.8	F8 J	14	1307	E -22 972
6		9.1R	49 35.956	0.0031	18	-22 25 16.03	0.015	18	0.33	35.906	16	33.8	16.26	16	33.8	G5 J	14	1308	E -22 973
7		9.3R	49 36.717	-0.0038	20	-24 55 45.94	0.028	20	0.35	36.779	16	33.8	46.39	16	33.8	K0 J	14	1310	E -25 1136
8		9.2R	49 47.793	0.0034	18	-25 14 1.76	0.037	18	0.33	47.739	16	33.8	2.37	16	33.8	G5 J	14	1311	E -25 1140
9		9.4R	50 7.704	0.0028	15	-24 24 6.60	-0.058	15	0.29	7.659	16	33.8	5.65	16	33.8	G0 J	14	1314	E -24 1290
10		8.9A	50 10.950	-0.0033	15	-20 22 59.27	-0.006	12	0.27	11.004	16	33.8	59.17	16	33.8	F5 J	13A	781	A -20 534
11		9.3R	50 20.080	-0.0025	15	-22 35 40.68	-0.022	15	0.29	20.120	16	33.8	40.32	16	33.8	G0 J	14	1315	E -22 975
12		8.8R	50 21.977	0.0019	18	-23 39 49.83	-0.011	18	0.33	21.946	16	33.8	49.66	16	33.8	K0 J	14	1316	E -23 1095
13		8.9R	50 22.018	-0.0011	12	-26 30 29.68	0.029	12	0.25	22.036	16	33.8	30.16	16	33.8	A2 J	14	1317	E -26 1051
14		7.3R	50 22.307	-0.0007	17	-28 9 42.85	0.029	17	0.31	22.319	16	33.8	43.33	16	33.8	G5 J	13B	1110	J -28 921
15		8.3R	50 24.768	0.0108	12	-26 55 28.89	0.052	12	0.25	24.594	16	33.8	29.90	16	33.8	F8 J	13B	1111	J -27 1007
16		7.7A	50 28.913	0.0007	18	-21 26 7.48	0.008	13	0.30	28.901	16	33.8	7.61	16	33.8	G5 J	13A	783	A -21 514
17		9.1R	50 32.213	-0.0011	18	-23 42 34.17	0.011	18	0.33	32.232	16	33.8	34.35	16	33.8	G5 J	14	1318K	E -24 1293
18		9.1R	50 38.900	0.0025	12	-28 22 57.70	0.016	12	0.25	38.859	16	33.8	57.97	16	33.8	F5 J	13B	1114	J -28 922
19		9.3R	50 44.600	-0.0011	15	-21 54 41.35	-0.027	15	0.29	44.618	16	33.8	41.79	16	33.8	G5 J	14	1319	E -22 979
20		6.7T	51 3.091	-0.0010	10	-22 17 38.68	-0.009	09	0.53	3.143	14	98.2	38.21	14	95.5	G5	GC	3470	-22 502
21		6.1T	51 20.159	0.0062	07	-22 34 42.75	-0.077	05	0.28	19.913	12	10.5	39.56	12	08.5	G5	GC	3480	-22 503
22		9.5R	51 22.828	-0.0030	15	-23 39 39.86	0.002	15	0.29	22.877	16	33.8	39.90	16	33.8	F5 J	14	1322	E -23 1105
23		8.6R	51 24.420	0.0018	12	-28 3 27.16	0.048	12	0.25	24.391	16	33.8	27.95	16	33.8	F0 J	13B	1118	J -28 928
24		8.4R	51 29.605	-0.0001	12	-26 21 31.56	-0.014	12	0.25	29.607	16	33.8	31.34	16	33.8	B5 J	14	1326	E -26 1057
25		8.2R	51 30.455	-0.0005	15	-23 20 55.23	-0.019	15	0.29	30.464	16	33.8	54.92	16	33.8	M1 J	14	1324	E -23 1106
26		9.1R	51 30.638	-0.0003	18	-22 59 20.59	0.003	18	0.33	30.642	16	33.8	20.63	16	33.8	K0 J	14	1323	E -23 1107
27		9.4R	51 33.597	0.0016	18	-21 52 33.53	-0.045	18	0.33	33.571	16	33.8	32.81	16	33.8	G0 J	14	1325	E -22 986
28		9.3R	51 41.052	0.0029	12	-25 40 36.45	0.011	12	0.25	41.005	16	33.8	36.64	16	33.8	A3 J	14	1328	E -25 1148
29		8.9R	51 54.785	0.0001	18	-23 36 45.34	0.024	18	0.33	54.784	16	33.8	45.74	16	33.8	G0 J	14	1329	E -23 1109
30		8.7R	51 57.295	0.0027	12	-29 49 28.96	0.006	12	0.25	57.252	16	33.8	29.05	16	33.8	K0 J	13B	1119	J -30 1092
31		8.7R	52 0.326	0.0013	18	-23 9 13.08	-0.029	18	0.33	0.304	16	33.8	12.61	16	33.8	K0 J	14	1330	E -23 1110
32		9.7R	52 5.474	0.0011	15	-22 50 6.59	0.012	15	0.29	5.456	16	33.8	6.78	16	33.8	F2 J	14	1331	E -23 1112
33		8.6A	52 6.847	0.0157	00	-20 19 13.28	0.048	12	0.21	6.593	16	33.8	14.06	16	33.8	G0 J	13A	786	A -20 540
34		9.2R	52 7.102	-0.0035	18	-23 28 51.57	-0.001	18	0.33	7.158	16	33.8	51.55	16	33.8	G5 J	14	1332	E -23 1113
35		7.1A	52 10.693	-0.0021	15	-21 7 37.45	-0.008	12	0.27	10.728	16	33.8	37.33	16	33.8	A2 J	13A	787	A -21 517
36		8.6R	52 13.557	0.0014	12	-29 3 10.18	0.007	12	0.25	13.534	16	33.8	10.30	16	33.8	K5 J	13B	1122	J -29 1073
37		7.3A	52 27.648	-0.0004	18	-21 23 48.16	-0.096	13	0.30	27.655	16	33.8	46.61	16	33.8	F2 J	13A	788	A -21 518
38		8.7A	52 32.816	-0.0004	18	-21 24 36.46	-0.027	13	0.30	32.823	16	33.8	36.03	16	33.8	F8 J	13A	789	A -21 519
39		8.8R	52 34.306	0.0020	18	-25 47 9.61	0.016	18	0.33	34.273	16	33.8	9.86	16	33.8	G5 J	14	1333	E -26 1063
40		9.0A	52 36.140	-0.0009	17	-21 9 32.89	-0.001	12	0.28	36.154	16	33.8	32.88	16	33.8	F0	13A	790	A -21 520
41		9.1T	52 40.022	0.0013	11	-29 49 52.33	-0.013	09	0.43	39.973	17	10.7	51.76	15	06.9	F2	GC	3510	C*-30 1097
42		8.5R	52 40.312	0.0009	12	-28 5 46.10	-0.001	12	0.25	40.296	16	33.8	46.09	16	33.8	K0 J	13B	1126	J -28 933
43		9.3R	52 42.048	0.0001	15	-24 10 50.27	0.006	15	0.29	42.047	16	33.8	50.36	16	33.8	G5 J	14	1334	E -24 1307
44		9.2R	52 44.105	0.0022	12	-25 4 53.68	-0.004	12	0.25	44.070	16	33.8	33.61	16	33.8	A0 J	14	1335	E -25 1156
45		9.3R	52 47.106	0.0021	15	-23 32 36.08	-0.011	15	0.29	47.071	16	33.8	35.91	16	33.8	G5 J	14	1336	E -23 1116
46		9.3R	52 51.901	-0.0004	18	-22 24 55.05	0.001	18	0.33	51.906	16	33.8	55.07	16	33.8	F8 J	14	1337	E -22 990
47		9.6R	52 52.693	-0.0012	20	-23 24 55.55	0.062	20	0.35	52.713	16	33.8	56.55	16	33.8	K0 J	14	1338	E -23 1118
48		7.5T	53 13.328	0.0029	15	-26 8 9.06	0.013	13	0.74	13.187	19	00.6	9.76	18	97.1	M0	GC	3521	C -26 1071
49		8.3T	53 16.404	0.0053	18	-26 20 12.76	-0.024	14	0.82	16.157	22	03.0	11.56	21	99.2	K0	GC	3523	C*-26 1072
50		6.8T	53 17.574	0.0035	12	-25 30 19.12	-0.057	12	0.66	17.396	17	98.5	16.11	17	96.9	K0	GC	3524	C*-25 1160
51		8.8A	2 53 23.543	-0.0041	18	-21 37 35.42	-0.016	15	0.31	23.609	16	33.8	35.17	16	33.8	F0 J	13A	793	A -22 511
52		8.8R	53 28.867	0.0032	18	-24 17 5.54	0.015	18	0.33	28.815	16	33.8	5.78	16	33.8	F5 J	14	1342	E -24 1310
53		8.6R	53 34.021	0.0018	18	-25 54 37.72	-0.024	18	0.33	33.992	16	33.8	37.34	16	33.8	K2 J	14	1343	E -26 1073
54		8.2R	53 41.703	0.0003	18	-23 25 18.07	-0.024	18	0.33	41.699	16	33.8	17.68	16	33.8	M0 J	14	1344	E -23 1122
55		9.1R	53 43.460	0.0006	15	-21 48 56.71	-0.027	15	0.29	43.450	16	33.8	56.27	16	33.8	K0 J	14	1345	E -22 998
56		7.3T	53 56.498	0.0015	18	-26 24 5.11	0.025	14	0.82	56.428	17	01.9	6.40	19	99.1	A3	GC	3538	C -26 1074
57		9.3R	53 57.394	-0.0006	18	-24 11 27.51	0.002	18	0.33	57.403	16	33.8	27.55	16	33.8	K J	14	1346	E -24 1318
58		9.1R	54 2.016	-0.0015	20	-23 41 6.65	-0.005	20	0.35	2.041	16	33.8	6.57	16	33.8	F8 J	14	1348	E -23 1127
59		9.0R	54 6.841	0.0051	12	-28 46 24.51	0.048	12	0.25	6.759	16	33.8	25.29	16	33.8	F5 J	13B	1130	J -29 1087
60		9.4R	54 8.096	-0.0022	18	-24 52 58.83	0.001	18	0.33	8.131	16	33.8	58.85	16	33.8	F8 J	14	1349	E -25 1163
61		8.5R	54 10.068	-0.0012	18	-24 30 16.37	0.003	18	0.33	10.087	16	33.8	16.42	16	33.8	K0 J	14	1350	E -24 1321
62		7.9T	54 11.640	0.0012	17	-26 17 35.50	0.031	13	0.78	11.584	21	02.0	37.14	19	97.5	K0	GC	3543	C -26 1077
63		7.8R	54 11.685	-0.0005	12	-29 9 5.28	0.005	12	0.25	11.693	16	33.8	5.37	16	33.8	F5 J	13B	1131K	J -29 1088
64		8.8R	54 14.945	0.0027	20	-23 48 17.22	0.036	20	0.35	14.901	16	33.8	17.81	16	33.8	F8 J	14	1352	E -24 1322
65		9.2R	54 18.101	0.0018	12	-24 20 52.18	0.015	12	0.25	18.072	16	33.8	52.42	16	33.8	F8 J	14	1353	E -24 1324
66		8.3R	54 22.601	0.0115	18	-22 30 43.40	0.098	18	0.33	22.415	16	33.8	44.98	16	33.8	G5 J	14	1354	E -22 1000
67		9.2R	54 27.337	-0.0037	12	-24 19 45.48	-0.068	12	0.25	27.397	16	33.8	44.39	16	33.8	G5 J	14	1356	E -24 1327
68		9.3R	54 33.593	-0.0050	20	-23 49 46.78	-0.028	20	0.35	33.674	16	33.8	46.33	16	33.8	G0 J	14	1357	E -24 1329
69		9.1R	54 34.695	0.0001	20	-27 13 43.48	0.014	20	0.35	34.694	16	33.8	43.71	16	33.8	F8 J	13B	1133	J -27 1031
70		8.6R	54 37.515	0.0031	18	-23 11 11.01	0.027	18	0.33	37.465	16	33.8	11.44	16	33.8	G5 J	14	1358	E -23 1131
71		9.4R	54 39.025	-0.0006	20	-26 38 4.26	-0.042	20	0.35	39.034	16	33.8	3.58	16	33.8	F5 J	14	1359	E -26 1081
72		9.3R	54 44.833	0.0060	20	-27 58 23.65	0.009	20	0.35	44.736	16	33.8	23.80	16	33.8	G5 J	13B	1135	J -28 951
73		9.4R	54 47.698	-0.0011	18	-24 53 21.98	-0.017	18	0.33	47.716	16	33.8	21.70	16	33.8	F0 J	14	1361	E -25 1166
74		9.2R	54 48.316	-0.0005	18	-22 54 10.25	-0.032	18	0.33	48.324	16	33.8	10.77	16	33.8	G5 J	14	1360	E -23 1135
75		9.2R	54 49.104	-0.0026	18	-23 34 31.50	-0.002	18	0.33	49.143	16	33.8	31.47	16	33.8	G5 J	14	1362	E -23 1136
76		7.9A	54 53.936	0.0016	17	-21 26 53.63	0.027	12	0.28	53.909	16	33.8	54.07	16	33.8	K0 J	13A	797	A -21 524
77		9.1R	54 57.549	-0.0014	15	-22 17 29.20	-0.024	15	0.29	57.572	16	33.8	28.81	16	33.8	K5 J	14	1363	E -22 1004
78		9.0R	54 59.765	0.0003	18	-24 49 36.36	0.001	18	0.33	59.761	16	33.8	36.38	16	33.8	K0 J	14	1365	E -25 1167
79		9.1R	55 0.518	0.0013	15	-22 19 32.59	0.017	15	0.29	0.497	16	33.8	32.87	16	33.8	G0 J	14	1364	E -22 1005
80		8.0Q	55 0.961	-0.0012	14	-25 10 29.21	-0.023	13	0.72	1.019	18	00.0	28.05	18	99.8	G5	GC	3558K	C*-25 1168
81		7.7T	55 2.477	0.0012	12	-25 10 8.01	-0.016	10	0.61	2.412	18	97.8	7.14	18	95.4	G5	GC	3559K	C -25 1169
82		9.0R	55 5.705	0.0040	12	-28 11 29.52	0.062	12	0.25	5.639	16	33.8	30.53	16	33.8	K2 J	13B	1137	J -28 953
83		5.4T	55 10.270	0.0069	04	-24 3 41.80	-0.027	04	0.21	9.934	09	01.4	40.49	09	00.7	A5	GC	3561	C*-24 1336
84		8.6R	55 17.545	0.0023	18	-22 44 15.61	0.025	18	0.33	17.508	16	33.8	16.01	16	33.8	G5 J	14	1369	E -23 1142
85		9.4R	55 28.983	-0.0007	18	-23 28 49.57	0.000	18	0.33	28.994	16	33.8	49.57	16	33.8	K0 J	14	1370	E -23 1144
86		8.3R	55 31.045	0.0029	17	-27 52 1.85	-0.019	17	0.31	30.998	16	33.8	1.55	16	33.8	G5 J	13B	1142	J -28 959
87		8.5R	55 31.568	0.0007	18	-22 25 37.89	0.028	18	0.33	31.556	16	33.8	38.35	16	33.8	G5 J	14	1371	E -22 1013
88		8.6R	55 32.460	0.0043	17	-25 45 38.45	0.008	17	0.31	32.390	16	33.8	38.59	16	33.8	K0 J	14	1372	E -26 1088
89		8.7R	55 35.137	0.0019	20	-28 38 35.48	-0.012	20	0.35	35.107	16	33.8	35.29	16	33.8	F0 J	13B	1143	J -28 961
90		8.4R	55 43.165	0.0030	20	-27 54 16.29	0.012	20	0.35	43.115	16	33.8	16.49	16	33.8	K0 J	13B	1144	J -28 963
91		6.0T	55 52.169	0.0041	05	-23 48 22.53	0.053	04	0.25	51.981	10	04.2	25.19	10	00.3	K0	GC	3574	C*-24 1343
92		8.5R	55 54.786	0.0013	15	-26 5 27.16	0.020	15	0.29	54.764	16	33.8	27.49	16	33.8	K0 J	14	1375	E -26 1094
93		9.3R	55 56.169	0.0004	18	-27 13 45.53	-0.055	18	0.33	56.162	16	33.8	44.64	16	33.8	G5 J	13B	1145	J -27 1038
94		8.5R	56 6.442	0.0228	12	-28 34 5.16	0.069	12	0.25	6.072	16	33.8	6.28	16	33.8	G5 J	13B	1147	J -28 967
95		9.0R	56 20.028	-0.0024	20	-26 35 51.98	0.016	20	0.35	20.068	16	33.8	52.25	16	33.8	K0 J	14	1377	E -26 1096
96		8.7R	56 21.011	-0.0027	12	-28 5 33.16	-0.016	12	0.25	21.054	16	33.8	32.91	16	33.8	K2 J	13B	1148	J -28 970
97		9.7R	56 22.537	0.0016	18	-23 14 9.15	0.042	18	0.33	22.512	16	33.8	9.83	16	33.8	A5 J	14	1376	E -23 1151
98		9.3R	56 26.016	0.0047	18	-23 58 42.82	0.000	18	0.33	25.940	16	33.8	42.83	16	33.8	G5 J	14	1378	E -24 1350
99		8.3R	56 31.823	-0.0002	17	-27 7 35.15	0.022	12	0.28	31.826	16	33.8	35.51	16	33.8	G5 J	13B	1150	J -27 1043
00		9.6R	56 47.781	-0.0017	18	-21 43 39.65	-0.034	18	0.33	47.808	16	33.8	39.09	16	33.8	G0 J	14	1379	E -22 1019

168200

EPOCH 1950 — ORIGINAL EPOCH — SOURCE — -20° 2H

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	σ'_μ ″.001	σ_{1950} ″	α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	CAT.	STAR NUMBER	DM NUMBER
1		9.7R	2 56 58.235	0.0010	15	-25 25 54.38	-0.014	15	0.29	58.219	16	33.8	54.16	16	33.8	GO J	14	1380	E -25 1187
2		6.2T	56 58.756	0.0011	07	-29 6 17.81	-0.041	06	0.30	58.708	09	07.5	15.91	10	03.7	G5 GC	3591	C -29 1106
3		8.2R	57 5.707	0.0075	18	-23 53 18.95	0.032	18	0.33	5.586	16	33.8	19.47	16	33.8	K0 J	14	1381	E -24 1356
4		9.5R	57 6.246	0.0032	12	-25 9 1.36	0.015	12	0.25	6.194	16	33.8	1.61	16	33.8	G5 J	14	1382	E -25 1188
5		9.0A	57 9.408	0.0037	18	-20 55 46.10	-0.033	13	0.30	9.349	16	33.8	45.57	16	33.8	K J	13A	806	A -21 528
6		8.4R	57 10.450	0.0025	12	-26 21 11.41	-0.015	12	0.25	10.410	16	33.8	11.18	16	33.8	K0 J	14	1383	E -26 1098
7		7.7A	57 10.515	-0.0019	17	-20 59 8.23	0.000	12	0.28	10.546	16	33.8	8.24	16	33.8	K0 J	13A	807	A -21 529
8		9.5R	57 22.704	-0.0031	18	-24 20 18.10	-0.029	18	0.33	22.755	16	33.8	17.64	16	33.8	F8 J	14	1384	E -24 1358
9		5.6T	57 23.999	0.0130	06	-25 28 24.57	0.091	05	0.27	23.444	10	07.4	28.82	12	03.3	F2 GC	3603	C*-25 1191
10		8.5R	57 29.775	0.0034	18	-23 34 46.98	0.017	18	0.33	29.720	16	33.8	47.26	16	33.8	G0 J	14	1386	E -23 1162
11		9.0R	57 38.209	-0.0045	20	-27 18 54.53	-0.014	20	0.35	38.282	16	33.8	54.31	16	33.8	G0 J	13B	1153	J -27 1046
12		7.8A	57 54.893	-0.0037	18	-20 59 59.69	-0.010	13	0.30	54.954	16	33.8	59.53	16	33.8	G0 J	13A	810	A -21 533
13		7.8T	58 0.740	-0.0009	16	-28 16 37.20	0.009	14	0.78	0.784	18	00.2	37.68	18	98.5	K0 GC		3615	C -28 978
14		9.2R	58 6.304	0.0002	17	-25 59 31.36	-0.011	17	0.31	6.300	16	33.8	31.19	16	33.8	K0 J	14	1387	E -26 1105
15		9.0R	58 7.625	0.0055	20	-29 47 24.07	0.028	20	0.35	7.537	16	33.8	24.52	16	33.8	K0 J	13B	1157	J -30 1140
16		9.3R	58 17.330	0.0015	18	-24 56 34.91	-0.000	15	0.31	17.305	16	33.8	34.91	16	33.8	K5 J	14	1388	E -25 1197
17		9.0R	58 18.286	0.0038	20	-28 53 21.82	0.008	20	0.35	18.225	16	33.8	21.95	16	33.8	K7 J	13B	1158	J -29 1113
18		8.7R	58 25.313	0.0013	12	-25 16 25.32	-0.062	12	0.25	25.292	16	33.8	24.32	16	33.8	G5 J	14	1389	E -25 1199
19		9.1R	58 31.919	0.0005	15	-23 34 18.44	-0.002	15	0.29	31.912	16	33.8	18.41	16	33.8	K0 J	14	1390	E -23 1169
20		7.5T	58 32.620	0.0016	15	-20 53 27.36	0.010	12	0.69	32.546	22	02.4	27.86	22	00.6	M0 GC		3624	- 21 535
21		7.6T	58 34.716	-0.0023	13	-27 50 13.94	-0.106	13	0.69	34.832	18	99.4	8.48	18	98.3	G0 GC		3625	C -28 982
22		8.7R	58 37.278	0.0027	17	-24 50 0.03	-0.002	17	0.31	37.234	16	33.8	00.00	16	33.8	F5 J	14	1391	E -25 1200
23	9.3	9.3W	58 37.463	0.0049	21	-29 54 22.71	-0.029	21	0.44	37.374	22	31.9	22.18	21	31.9	F0 C7		1053	C -30 1143
24		8.8A	58 40.079	0.0001	17	-20 55 44.01	-0.002	12	0.28	40.077	16	33.8	43.98	16	33.8	G5 J	13A	813	A -21 537
25		8.7R	58 45.687	-0.0005	18	-23 8 17.48	-0.017	18	0.33	45.696	16	33.8	17.21	16	33.8	K0 J	14	1392	E -23 1170
26		9.2R	58 46.404	-0.0002	21	-25 0 15.60	-0.006	21	0.37	46.407	16	33.8	15.50	16	33.8	K2 J	14	1393	E -25 1202
27		9.4R	58 56.352	-0.0060	21	-24 46 2.41	-0.022	21	0.37	56.449	16	33.8	2.06	16	33.8	F5 J	14	1394	E -25 1206
28		9.0R	58 57.782	0.0006	20	-26 52 29.72	0.037	20	0.35	57.772	16	33.8	30.32	16	33.8	F8 J	13B	1163	J -27 1053
29		9.4R	58 58.763	-0.0022	13	-26 39 26.79	-0.040	13	0.27	58.799	16	33.8	26.15	16	33.8	F8 J	14	1396	E -26 1110
30		8.7R	58 59.286	-0.0011	20	-27 4 19.87	0.006	20	0.35	59.303	16	33.8	19.97	16	33.8	G J	13B	1164	J -27 1055
31		8.7R	59 7.349	-0.0019	18	-24 12 34.17	0.032	18	0.33	7.381	16	33.8	34.68	16	33.8	G5 J	14	1397	E -24 1374
32		9.1A	59 8.134	-0.0014	18	-20 11 2.17	-0.019	13	0.30	8.156	16	33.8	1.86	16	33.8	F8 J	13A	815	A -20 569
33		8.5R	59 8.651	0.0024	18	-27 41 24.22	-0.049	18	0.33	8.612	16	33.8	23.44	16	33.8	A2 J	13B	1165	J -27 1056
34		9.3R	59 12.627	-0.0009	20	-27 20 55.34	-0.012	20	0.35	12.642	16	33.8	55.15	16	33.8	F8 J	13B	1166	J -27 1057
35		7.8T	59 18.659	0.0017	17	-28 37 55.88	0.009	13	0.78	18.574	18	00.8	56.37	18	97.2	F0 GC		3637	C -28 986
36		8.9R	59 24.987	0.0007	20	-25 29 52.72	-0.031	20	0.35	24.976	16	33.8	52.21	16	33.8	K0 J	14	1398	E -25 1211
37		8.5R	59 27.069	-0.0001	00	-25 37 25.94	0.007	20	0.27	27.071	16	33.8	26.06	16	33.8	F8 J	14	1399	E -25 1212
38		5.9T	59 28.210	0.0205	06	-28 16 54.52	-0.420	04	0.26	27.275	09	04.4	33.61	09	00.2	G5 GC		3641	C*-28 987
39		9.5R	59 31.860	-0.0012	18	-22 18 30.09	0.002	18	0.33	31.878	16	33.8	30.13	16	33.8	K0 J	14	1400	E -22 1032
40		8.6R	59 39.909	-0.0017	20	-25 23 10.99	0.015	20	0.35	39.937	16	33.8	11.23	16	33.8	K2 J	14	1402	E -25 1217
41		9.4R	59 53.027	0.0021	20	-23 6 55.36	-0.053	20	0.35	52.994	16	33.8	54.50	16	33.8	A2 J	14	1403	E -23 1181
42		8.5R	59 55.398	0.0079	20	-25 39 3.89	0.156	20	0.35	55.270	16	33.8	6.43	16	33.8	G0 J	14	1405	E -25 1218
43		8.7R	59 55.962	-0.0016	20	-28 11 13.32	0.026	20	0.35	55.988	16	33.8	13.75	16	33.8	F5 J	13B	1172	J -28 990
44		8.2R	59 58.330	-0.0002	20	-21 56 50.34	0.056	20	0.35	58.334	16	33.8	51.25	16	33.8	F8 J	14	1404K	E -22 1033
45		9.4R	3 0 0.866	0.0008	18	-24 0 22.31	-0.011	18	0.33	0.853	16	33.8	22.14	16	33.8	K5 J	14	1406	E -24 1384
46		8.9A	0 1.029	0.0122	18	-20 6 14.26	-0.036	13	0.30	0.831	16	33.8	13.68	16	33.8	G0 J	13A	822	A -20 570
47		9.4R	0 9.685	-0.0016	18	-22 7 39.89	0.000	18	0.33	9.711	16	33.8	39.89	16	33.8	G5 J	14	1408	E -22 1037
48		8.8R	0 10.840	0.0065	18	-23 0 12.66	0.038	18	0.33	10.735	16	33.8	13.28	16	33.8	F8 J	14	1409	E -23 1184
49		4.2H	0 11.170	-0.0107	02	-23 49 10.10	-0.051	02	0.07	11.555	03	14.2	8.28	03	14.0	A3 F4		1085	C -24 1387
50		9.1R	0 15.519	-0.0003	17	-25 18 42.63	0.091	17	0.31	15.525	16	33.8	44.11	16	33.8	G0 J	14	1411	E -25 1221
51		8.8A	3 0 18.843	0.0018	18	-20 40 15.64	-0.012	13	0.30	18.814	16	33.8	15.45	16	33.8	K0 J	13A	824	A -21 544
52		7.7R	0 32.105	-0.0008	18	-22 43 48.63	0.013	18	0.33	32.117	16	33.8	48.83	16	33.8	K5 J	14	1412	E -23 1108
53		9.0R	0 35.825	0.0017	17	-28 13 15.74	0.073	17	0.31	35.798	16	33.8	16.93	16	33.8	G0 J	13B	1179	J -28 994
54		8.9R	0 38.631	0.0005	20	-28 30 35.26	-0.010	20	0.35	38.623	16	33.8	35.10	16	33.8	F8 J	13B	1180	J -28 995
55		9.1R	0 40.219	-0.0001	13	-26 25 44.14	0.006	13	0.27	40.220	16	33.8	44.24	16	33.8	G0 J	14	1415	E -26 1117
56		8.1R	0 40.645	0.0045	18	-22 2 25.78	0.059	18	0.33	40.571	16	33.8	26.75	16	33.8	A3 J	14	1413	E -22 1039
57		9.4R	0 40.774	0.0025	15	-23 44 22.44	-0.000	15	0.29	40.733	16	33.8	22.43	16	33.8	F8 J	14	1414K	E -24 1390
58		8.2R	0 42.493	0.0019	20	-25 9 13.05	0.002	20	0.35	42.462	16	33.8	13.09	16	33.8	K0 J	14	1416	E -25 1225
59		9.0R	0 49.999	-0.0009	20	-24 47 58.99	0.006	20	0.35	50.013	16	33.8	59.08	16	33.8	K5 J	14	1417	E -25 1226
60		8.5R	0 51.694	0.0011	20	-27 10 36.76	-0.012	20	0.35	51.675	16	33.8	36.57	16	33.8	G0 J	13B	1181	J -27 1062
61		8.6R	0 52.848	-0.0027	18	-22 35 40.33	0.029	18	0.33	52.892	16	33.8	40.80	16	33.8	G0 J	14	1418	E -22 1041
62		8.6F	0 55.123	0.0033	12	-24 52 22.92	0.043	12	0.25	55.069	16	33.8	23.61	16	33.8	F5 J	14	1419	E -25 1229
63		9.4R	0 57.164	0.0033	15	-25 4 53.45	0.014	15	0.29	57.112	16	33.8	53.68	16	33.8	G0 J	14	1420	E -25 1230
64		9.0R	1 2.776	0.0033	12	-28 59 6.23	0.021	12	0.25	2.722	16	33.8	6.57	16	33.8	K0 J	13B	1184	J -29 1130
65		9.0Q	1 5.245	0.0020	33	-20 20 24 59.02	0.014	22	1.09	5.172	21	12.9	59.56	21	10.7	MB GC		3662	-20 575
66		8.7R	1 13.349	-0.0013	17	-29 14 34.36	-0.007	17	0.31	13.370	16	33.8	34.25	16	33.8	K0 J	13B	1186	J -29 1131
67		9.6R	1 23.745	0.0011	20	-21 46 50.72	0.028	20	0.35	23.727	16	33.8	51.18	16	33.8	F5 J	14	1421	E -22 1042
68		7.6T	1 31.337	0.0128	10	-21 33 19.86	-0.024	13	0.61	30.684	17	99.0	18.67	17	01.3	G0 GC		3671K	B*-21 549
69		8.9R	1 38.444	0.0128	12	-26 55 22.53	0.058	12	0.25	38.237	16	33.8	23.48	16	33.8	F5 J	13B	1189	J -27 1068
70		9.1R	1 38.875	0.0051	20	-27 15 45.57	-0.024	20	0.35	38.793	16	33.8	45.19	16	33.8	F2 J	13B	1190	J -27 1070
71		8.3R	1 38.912	0.0038	12	-29 26 5.95	0.038	12	0.25	38.851	16	33.8	6.57	16	33.8	K5 J	13B	1191	J -29 1132
72		9.1R	1 42.022	-0.0012	15	-22 5 0.12	-0.016	15	0.29	42.041	16	33.8	-59.87	16	33.8	K0 J	14	1422	E -22 1044
73		9.0A	1 42.645	-0.0000	17	-21 17 12.00	0.009	12	0.28	42.645	16	33.8	12.15	16	33.8	K5 J	13A	835	A -21 550
74		9.0Q	1 48.422	0.0019	14	-20 54 43.18	0.017	17	0.67	48.346	21	09.2	43.89	21	08.8	K0 GC		3676	-21 551
75		8.5R	2 0.039	0.0002	15	-23 20 16.28	-0.015	15	0.29	0.036	16	33.8	16.03	16	33.8	K0 J	14	1423	E -23 1200
76		9.2R	2 0.193	0.0006	18	-24 23 7.31	-0.036	18	0.33	0.183	16	33.8	6.74	16	33.8	G5 J	14	1424	E -24 1402
77		9.3R	2 6.895	0.0040	12	-28 22 37.96	0.011	12	0.25	6.830	16	33.8	38.14	16	33.8	G0 J	13B	1192	J -28 1005
78		8.9A	2 7.594	-0.0009	18	-21 16 2.73	0.021	12	0.29	7.608	16	33.8	3.07	16	33.8	K0 J	13A	838	A -21 552
79		9.1A	2 9.906	-0.0033	18	-20 44 49.90	-0.035	11	0.29	9.959	16	33.8	49.34	16	33.8	G0 J	13A	839	A -21 553
80		9.4R	2 16.338	-0.0023	15	-22 35 30.26	0.003	15	0.29	16.376	16	33.8	30.31	16	33.8	F0 J	14	1425	E -22 1047
81		9.2R	2 19.643	0.0002	15	-24 36 56.65	-0.024	15	0.29	19.639	16	33.8	56.26	16	33.8	K5 J	14	1426	E -24 1405
82		7.9A	2 21.289	0.0125	15	-21 36 3.27	0.088	12	0.27	21.086	16	33.8	4.69	16	33.8	F8 J	13A	840	A -21 555
83		8.8R	2 25.209	0.0047	12	-24 43 33.08	-0.032	12	0.25	25.133	16	33.8	32.56	16	33.8	G0 J	14	1427	E -25 1239
84		9.2R	2 28.488	0.0026	12	-24 52 21.40	0.001	12	0.25	28.446	16	33.8	21.42	16	33.8	G0 J	14	1428	E -25 1241
85		7.6R	2 32.950	0.0041	15	-25 58 21.69	-0.026	15	0.29	32.883	16	33.8	21.28	16	33.8	G5 J	14	1430	E -26 1132
86		9.3R	2 33.871	0.0008	12	-29 45 10.39	0.001	12	0.25	33.857	16	33.8	10.40	16	33.8	F5 J	13B	1195	J -30 1170
87		9.2R	2 36.380	-0.0017	15	-21 50 17.38	0.002	15	0.29	36.406	16	33.8	17.42	16	33.8	K0 J	14	1429	E -22 1051
88	10.4	10.1W	2 47.467	0.0013	21	-29 51 35.45	0.035	21	0.44	47.444	22	31.9	36.08	21	31.9	C7		1082	C -30 1172
89		9.2R	3 0.806	0.0024	15	-24 36 58.39	-0.001	15	0.29	0.767	16	33.8	58.37	16	33.8	G5 J	14	1431	E -24 1415
90		8.4R	3 5.833	-0.0001	13	-28 8 38.91	-0.003	13	0.27	5.834	16	33.8	38.87	16	33.8	G5 J	13B	1198	J -28 1014
91		9.0R	3 12.241	0.0006	15	-22 21 42.63	-0.002	15	0.29	12.232	16	33.8	42.60	16	33.8	F5 J	14	1432	E*-22 1054
92		8.3A	3 12.964	0.0062	18	-21 18 27.77	0.101	13	0.30	12.865	16	33.8	29.41	16	33.8	G0 J	13A	843	A -21 557
93		9.3R	3 23.308	0.0027	15	-23 39 43.59	0.078	15	0.29	23.264	16	33.8	44.84	16	33.8	K0 J	14	1433	E -23 1210
94		8.6R	3 23.640	0.0008	12	-27 51 10.58	0.008	12	0.25	23.626	16	33.8	10.71	16	33.8	K0 J	13B	1199	J -28 1016
95		8.2R	3 30.234	-0.0013	18	-24 23 57.47	0.002	18	0.33	30.255	16	33.8	57.51	16	33.8	F2 J	14	1434	E -24 1421
96		8.7R	3 35.174	-0.0021	17	-29 19 12.09	-0.003	17	0.31	35.208	16	33.8	12.05	16	33.8	K0 J	13B	1200	J -29 1143
97		9.0R	3 36.451	0.0014	12	-25 35 6.80	-0.056	12	0.25	36.429	16	33.8	5.90	16	33.8	G5 J	14	1435	E -25 1245
98		9.0R	3 36.724	0.0012	12	-28 35 45.13	-0.033	12	0.25	36.705	16	33.8	44.60	16	33.8	F5 J	13B	1201	J -28 1018
99		9.4R	3 40.088	0.0034	18	-25 48 32.38	-0.043	18	0.33	40.032	16	33.8	31.69	16	33.8	G5 J	14	1436	E -26 1140
00		9.4R	3 44.067	-0.0056	15	-22 3 2.36	0.003	15	0.29	44.157	16	33.8	2.41	16	33.8	K0 J	14	1437	E -22 1059

168300

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	-20° 3H DM NUMBER
1		8.8R	3 3 45.434	-0.0106	12	-25 20 26.39	-0.002	12	0.25	45.606	16	33.8	26.36	16	33.8	K0 J	14	14384	E -25 1246
2		8.8R	3 45.642	0.0006	12	-29 7 34.62	-0.001	12	0.25	45.632	16	33.8	34.61	16	33.8	K0 J	13B	1202	J -29 1145
3		9.5R	4 1.651	0.0005	13	-29 0 8.73	-0.004	13	0.27	1.640	16	33.8	8.67	16	33.8	K0 J	13B	1204	J -29 1146
4		9.5R	4 1.762	0.0142	18	-24 10 52.68	-0.000	15	0.31	1.532	16	33.8	52.67	16	33.8	K0 J	14	1440	E -24 1425
5		8.7R	4 1.834	0.0023	18	-23 58 41.02	-0.019	18	0.33	1.797	16	33.8	40.72	16	33.8	F8 J	14	1441	E -24 1426
6		8.8R	4 6.874	0.0010	12	-27 50 50.78	0.008	12	0.25	6.857	16	33.8	50.91	16	33.8	K2 J	13B	1206	J -28 1022
7		9.1R	4 20.080	-0.0010	20	-23 31 34.66	0.080	20	0.35	20.106	16	33.8	35.96	16	33.8	G5 J	14	1442	E -23 1216
8		8.6R	4 24.155	0.0015	12	-25 8 16.51	-0.004	12	0.25	24.131	16	33.8	16.45	16	33.8	G5 J	14	1443	E -25 1254
9		8.7R	4 38.251	0.0029	18	-26 8 40.34	-0.011	18	0.33	38.203	16	33.8	40.17	16	33.8	F0 J	14	1444	E -26 1144
10		9.0R	4 45.755	-0.0003	18	-24 20 2.24	-0.012	18	0.33	45.759	16	33.8	2.04	16	33.8	G5 J	14	1445	E -24 1443
11		9.4R	4 52.798	-0.0039	18	-22 46 21.26	0.048	18	0.33	52.862	16	33.8	22.03	16	33.8	G5 J	14	1446	E -23 1221
12		9.1R	4 58.623	-0.0003	12	-29 11 35.01	-0.070	12	0.25	58.627	16	33.8	35.08	16	33.8	G0 J	13B	1210	J -29 1149
13		8.0A	5 1.461	-0.0013	15	-20 50 23.04	-0.047	12	0.27	1.482	16	33.8	22.28	16	33.8	G0 J	13A	851	A -21 563
14		8.9R	5 3.636	0.0011	15	-26 40 14.07	-0.007	15	0.29	3.618	16	33.8	13.96	16	33.8	A0 J	14	1448	E -26 1147
15		8.9R	5 7.311	0.0012	15	-22 14 30.03	0.017	15	0.29	7.292	16	33.8	30.31	16	33.8	K5 J	14	1447	E -22 1068
16		8.4R	5 10.476	0.0011	20	-25 44 44.44	0.012	20	0.35	10.458	16	33.8	44.64	16	33.8	F0 J	14	1450	E -26 1149
17		8.9R	5 25.005	-0.0006	15	-23 40 16.57	0.007	15	0.29	25.016	16	33.8	16.69	16	33.8	F5 J	14	1451	E -23 1227
18		9.2R	5 25.981	0.0032	17	-26 9 51.78	0.040	17	0.31	25.928	16	33.8	52.44	16	33.8	G0 J	14	1452	E -26 1151
19		8.9R	5 31.169	0.0018	18	-22 38 40.67	0.026	18	0.33	31.141	16	33.8	41.09	16	33.8	K2 J	14	1453	E -22 1072
20		9.4R	5 42.449	0.0019	20	-23 17 31.39	0.007	20	0.35	42.418	16	33.8	31.51	16	33.8	G0 J	14	1454	E -23 1230
21		6.1T	5 42.622	0.0054	05	-28 1 18.84	-0.017	05	0.24	42.367	09	02.8	18.04	10	02.0	A2	GC	3747	C -28 1028
22		9.0R	5 45.055	-0.0014	15	-22 0 13.52	-0.023	15	0.29	45.073	16	33.8	13.15	16	33.8	G5 J	14	1455	E -22 1074
23		7.9A	6 0.365	-0.0009	15	-20 36 26.95	0.022	12	0.27	0.379	16	33.8	27.31	16	33.8	K2 J	13A	856	A -20 588
24		8.3A	6 3.647	0.0015	18	-21 22 34.98	-0.034	13	0.30	3.623	16	33.8	34.43	16	33.8	K0 J	13A	858	A -21 564
25		9.1R	6 7.980	-0.0004	12	-25 36 47.68	-0.056	12	0.25	7.986	16	33.8	46.78	16	33.8	G0 J	14	1456	E -25 1276
26		9.4R	6 12.877	0.0024	15	-23 29 8.49	0.022	15	0.29	12.838	16	33.8	8.84	16	33.8	F8 J	14	1457	E -23 1235
27		9.2R	6 13.964	0.0005	18	-24 21 21.24	-0.190	18	0.33	13.956	16	33.8	18.16	16	33.8	M0 J	14	1458	E -24 1458
28		9.0R	6 26.491	-0.0019	15	-21 53 47.66	-0.053	15	0.29	26.521	16	33.8	46.81	16	33.8	G0 J	14	1459	E -22 1078
29		8.3R	6 28.086	0.0018	12	-26 36 12.02	0.015	12	0.25	28.057	16	33.8	12.27	16	33.8	M3 J	14	1460	E -26 1159
30		8.8R	6 40.296	-0.0018	18	-26 32 50.35	0.081	18	0.33	40.325	16	33.8	51.67	16	33.8	F5 J	14	1462	E -26 1160
31		7.4T	6 40.580	0.0163	16	-25 4 47.28	0.130	14	0.78	39.773	17	00.6	53.97	18	98.5	G5	GC	3766	C+-25 1278
32		9.2A	6 42.839	0.0018	20	-21 49 37.99	0.015	15	0.32	42.810	16	33.8	38.24	16	33.8	K5 J	13A	861	A -22 554
33		9.3R	6 48.695	-0.0017	20	-23 17 38.85	-0.017	20	0.35	48.923	16	33.8	38.57	16	33.8	G0 J	14	1463	E -23 1237
34		8.4R	6 54.240	0.0010	18	-22 1 36.18	0.018	18	0.33	54.223	16	33.8	36.48	16	33.8	K0 J	14	1464	E -22 1082
35		6.0R	7 1.510	0.0005	18	-24 19 37.73	0.039	18	0.33	1.501	16	33.8	38.37	16	33.8	K5 J	14	1465	E -24 1462
36		7.5T	7 4.492	0.0011	17	-26 54 21.39	-0.011	12	0.77	4.438	15	99.7	20.80	18	94.9	A0	GC	3778	C -27 1153
37		8.8R	7 9.065	-0.0008	15	-24 11 45.25	-0.015	15	0.29	9.077	16	33.8	45.01	16	33.8	F8 J	14	1467	E -24 1466
38		8.4R	7 13.026	0.0043	12	-28 33 13.98	0.015	12	0.25	12.956	16	33.8	14.23	16	33.8	K0 J	13B	1217	J -28 1038
39		8.1A	7 21.024	0.0015	18	-20 12 5.53	-0.034	13	0.30	20.999	16	33.8	4.97	16	33.8	M0 J	13A	867	A -20 591
40		9.1R	7 22.949	0.0003	20	-26 18 53.34	0.038	20	0.35	22.943	16	33.8	53.96	16	33.8	K2 J	14	1469	E -26 1165
41		9.3R	7 28.477	-0.0014	15	-23 54 0.75	-0.092	15	0.29	28.499	16	33.8	59.25	16	33.8	G0 J	14	1470	E -24 1467
42		9.1R	7 30.854	0.0018	15	-26 26 41.02	-0.008	15	0.29	30.825	16	33.8	40.88	16	33.8	K2 J	14	1471	E -26 1167
43		9.2R	7 34.820	0.0052	12	-25 16 25.51	0.027	12	0.25	34.736	16	33.8	25.95	16	33.8	G0 J	14	1472	E -25 1285
44		9.2R	7 46.810	0.0031	12	-23 13 1.38	0.008	12	0.25	46.780	16	33.8	1.53	16	33.8	G0 J	13B	1222	J -29 1167
45		9.4R	7 47.027	0.0029	18	-22 21 35.94	0.001	18	0.33	46.981	16	33.8	35.97	16	33.8	K5 J	14	1473	E -22 1090
46		9.4R	7 54.621	0.0025	20	-24 26 55.68	0.032	20	0.35	54.580	16	33.8	56.19	16	33.8	F5 J	14	1474	E -24 1473
47		8.6A	8 1.062	-0.0016	12	-20 44 39.48	-0.014	09	0.23	1.089	16	33.8	39.26	16	33.8	K2 J	13A	870	A -21 569
48		8.4R	8 3.908	0.0017	15	-21 52 59.68	0.032	15	0.29	3.881	16	33.8	+ 0.39	16	33.8	F8 J	14	1476	E -22 1091
49		9.2R	8 4.271	0.0052	18	-24 22 22.11	0.017	18	0.33	4.187	16	33.8	22.39	16	33.8	F5 J	14	1477	E -24 1475
50		8.4R	8 4.437	-0.0001	12	-25 38 0.17	0.013	12	0.25	4.439	16	33.8	0.39	16	33.8	F0 J	14	1478	E -25 1287
51		8.7A	3 8 11.633	0.0018	18	-20 23 13.13	0.002	13	0.30	11.604	16	33.8	13.16	16	33.8	A3 J	13A	872	A -20 594
52		8.7R	8 14.712	0.0015	18	-21 56 15.47	-0.073	18	0.33	14.687	16	33.8	14.29	16	33.8	G0 J	14	1479	E -22 1093
53		9.1R	8 16.663	0.0011	15	-24 11 11.25	-0.007	15	0.29	16.646	16	33.8	11.14	16	33.8	F0 J	14	1480	E -24 1479
54		6.4T	8 23.167	0.0039	11	-23 55 38.88	0.036	10	0.61	22.953	17	95.3	40.99	17	92.3	G5	GC	3796	C -24 1480
55		8.0A	8 25.650	0.0025	15	-20 18 0.14	0.008	12	0.27	25.609	16	33.8	0.26	16	33.8	G5 J	13A	874	A -20 596
56		9.1R	8 32.045	0.0010	18	-25 54 46.78	0.011	18	0.33	32.028	16	33.8	46.97	16	33.8	F8 J	14	1482	E -26 1173
57		9.0R	8 39.996	0.0023	18	-22 11 31.81	-0.036	18	0.33	39.958	16	33.8	31.23	16	33.8	K0 J	14	1483	E -22 1098
58		8.2R	8 47.592	0.0030	12	-29 37 42.12	-0.011	12	0.25	47.544	16	33.8	41.94	16	33.8	K2 J	13B	1228	J -29 1172
59		9.4R	8 47.629	-0.0018	18	-27 33 7.40	-0.052	18	0.33	47.658	16	33.8	6.56	16	33.8	F2 J	13B	1227	J -27 1118
60		9.4A	8 48.172	0.0019	18	-22 4 8.47	-0.001	13	0.30	48.141	16	33.8	8.47	16	33.8	K2 J	13A	877	A -22 562
61		8.9A	8 50.725	0.0017	18	-21 35 13.21	-0.029	13	0.30	50.697	16	33.8	12.75	16	33.8	G5 J	13A	879	A -21 571
62		9.1R	8 52.914	0.0032	12	-27 45 24.19	0.060	12	0.25	52.863	16	33.8	25.17	16	33.8	F0 J	13B	1229	J -28 1047
63		9.3R	8 55.930	0.0071	16	-22 4 19.36	0.102	18	0.33	55.815	16	33.8	21.02	16	33.8	G0 J	14	1484	E -22 1100
64		8.2R	8 56.131	-0.0006	12	-25 1 38.16	-0.029	12	0.25	56.141	16	33.8	37.69	16	33.8	K5 J	14	1486	E -25 1296
65		9.0R	8 57.744	0.0036	18	-24 13 3.08	-0.014	18	0.33	57.686	16	33.8	2.86	16	33.8	F0 J	14	1487	E -24 1486
66		9.4R	8 58.735	-0.0014	18	-22 18 22.65	0.022	18	0.33	58.758	16	33.8	23.01	16	33.8	K0 J	14	1485	E -22 1101
67		9.2R	9 16.569	0.0009	18	-25 54 6.13	0.015	18	0.33	16.555	16	33.8	6.38	16	33.8	G0 J	14	1489	E -26 1179
68		6.9T	9 42.836	0.0010	11	-29 20 56.90	-0.050	09	0.55	42.784	17	98.9	54.16	17	95.2	G5	GC	3825	C -29 1174
69		7.3A	9 46.336	0.0016	18	-20 58 43.75	0.024	13	0.30	46.311	16	33.8	44.14	16	33.8	K5 J	13A	883	A -21 573
70		9.2R	9 50.251	-0.0008	15	-24 14 50.60	-0.031	15	0.29	50.264	16	33.8	50.11	16	33.8	M0 J	14	1491	E -24 1493
71		8.9R	9 53.905	-0.0008	12	-29 21 55.36	-0.009	12	0.25	53.918	16	33.8	55.22	16	33.8	G5 J	13B	1237	J -29 1176
72		9.5R	9 54.745	-0.0003	12	-24 18 54.77	-0.041	12	0.25	54.751	16	33.8	54.10	16	33.8	G5 J	14	1492	E -24 1494
73		4.0M	9 56.750	0.0254	02	-29 10 59.42	0.644	03	0.14	55.368	05	96.3	+32.98	06	97.9	F8 J	F3	117	
74		8.6R	9 57.307	-0.0009	20	-27 45 54.26	-0.004	20	0.35	57.321	16	33.8	54.20	16	33.8	K0 J	13B	1239	J -28 1057
75		9.1R	9 57.946	0.0011	18	-24 34 10.47	-0.038	18	0.33	57.928	16	33.8	9.85	16	33.8	G5 J	14	1493	E -24 1496
76		6.9T	10 0.314	-0.0000	18	-20 48 23.08	0.030	17	0.87	0.316	21	02.1	24.54	22	01.9	B9	GC	3833	-21 576
77		9.0R	10 2.814	0.0018	20	-29 16 52.45	0.028	20	0.35	2.785	16	33.8	52.90	16	33.8	A3 J	13B	1240	J -29 1178
78		9.3R	10 17.423	0.0068	18	-23 11 29.31	0.052	18	0.33	17.313	16	33.8	30.15	16	33.8	G0 J	14	1494	E -23 1270
79		9.0R	10 22.539	0.0078	20	-26 4 57.86	0.120	20	0.35	22.413	16	33.8	59.81	16	33.8	G0 J	14	1495	E -26 1185
80		8.5R	10 25.163	0.0076	20	-29 36 34.54	-0.000	20	0.35	23.040	16	33.8	34.53	16	33.8	F0 J	13B	1242	J -29 1180
81		8.6R	10 25.239	0.0029	18	-27 8 24.89	-0.003	18	0.33	25.193	16	33.8	24.85	16	33.8	G0 J	13B	1241	J -27 1127
82		8.7R	10 29.011	0.0025	20	-29 47 54.83	-0.005	20	0.35	28.971	16	33.8	54.75	16	33.8	K0 J	13B	1243	J -30 1226
83	10.1	10.0W	10 37.212	-0.0045	21	-29 51 0.53	0.025	21	0.44	37.294	22	31.9	0.98	21	31.9	G5 L	C7	1135	C -30 1229
84		6.8T	10 44.026	0.0088	20	-20 12 51.87	0.054	17	0.44	43.642	22	06.1	54.26	19	05.5	K0	GC	3848	-20 602
85		8.0R	10 46.355	0.0016	20	-28 57 37.38	0.018	20	0.35	46.328	16	33.8	37.67	16	33.8	K0 J	13B	1247	J -29 1182
86		7.9R	10 46.461	-0.0017	18	-26 26 45.48	0.000	18	0.33	46.489	16	33.8	45.49	16	33.8	G5 J	14	1496	E -26 1192
87		8.8R	10 57.435	-0.0037	18	-26 13 25.73	-0.052	15	0.31	57.495	16	33.8	24.89	16	33.8	G5 J	14	1498	E -26 1193
88		9.2R	10 58.272	0.0133	18	-23 45 50.68	0.100	18	0.33	58.057	16	33.8	52.31	16	33.8	K2 J	14	1497	E -24 1503
89		9.1R	11 4.688	-0.0003	15	-23 31 33.27	0.025	15	0.29	4.694	16	33.8	33.68	16	33.8	F5 J	14	1499	E -23 1275
90		7.0T	11 14.072	0.0020	13	-27 45 36.23	0.055	13	0.69	13.971	15	99.8	39.09	18	98.2	A2	GC	3854	C -28 1067
91		8.7R	11 16.912	0.0121	15	-22 9 1.72	0.044	15	0.29	16.715	16	33.8	2.42	16	33.8	G0 J	14	1500	E -22 1111
92		8.7R	11 17.713	0.0036	18	-23 12 46.52	0.016	18	0.33	17.655	16	33.8	46.77	16	33.8	G5 J	14	1501	E -23 1277
93		8.2R	11 17.789	0.0074	17	-29 9 34.97	-0.073	17	0.31	17.668	16	33.8	33.79	16	33.8	G0 J	13B	1251	J -29 1183
94		8.4R	11 23.077	0.0052	12	-25 3 37.52	-0.133	12	0.25	22.993	16	33.8	35.36	16	33.8	F8 J	14	1502	E -25 1317
95	10.5	10.4W	11 25.031	0.0037	21	-29 54 5.49	-0.000	21	0.44	24.964	22	31.9	5.48	21	31.9	G0 L	C7	1141	C -30 1236
96		8.7R	11 29.681	0.0037	17	-28 48 53.65	0.034	17	0.31	29.621	16	33.8	54.21	16	33.8	G5 J	13B	1253	J -29 1184
97		8.2T	11 32.762	0.0018	06	-29 59 23.53	0.001	05	0.29	32.684	12	05.3	23.57	12	01.0	G5	GC	3863	C -30 1238
98		9.3R	11 41.723	-0.0076	18	-27 14 24.66	-0.105	18	0.33	41.846	16	33.8	22.97	16	33.8	G5 J	13B	1256	J -27 1133
99		8.3R	11 46.634	0.0033	18	-24 28 56.33	0.040	18	0.33	46.581	16	33.8	56.98	16	33.8	F5 J	14	1503	E -24 1513
00		8.5R	11 50.850	0.0035	15	-22 20 51.67	0.015	15	0.29	50.793	16	33.8	51.91	16	33.8	K0 J	14	1504	E -22 1114

168400 — EPOCH 1950 — ORIGINAL EPOCH — -20° 3H

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	DM NUMBER
1		9.5R	3 11 56.459	0.0046	18	-24 0 5.65	0.007	18	0.33	56.385	16	33.8	5.77	16	33.8	G0 J	14	1505	E -24 1516
2		8.0R	12 34.084	0.0016	15	-21 56 1.55	0.013	15	0.29	34.059	16	33.8	1.76	16	33.8	K2 J	14	1506	E -22 1121
3		8.7R	12 35.081	0.0188	18	-26 37 56.89	0.095	18	0.33	34.776	16	33.8	58.44	16	33.8	K2 J	14	1507	E -26 1207
4		9.0A	12 39.467	0.0014	15	-20 42 22.67	-0.120	12	0.27	39.445	16	33.8	20.73	16	33.8	G0 J	13A	897	A -21 587
5		9.5R	12 44.157	0.0004	18	-23 18 1.45	-0.018	18	0.33	44.151	16	33.8	1.16	16	33.8	F2 J	14	1508	E -23 1291
6		6.1T	12 51.114	-0.0017	08	-26 17 4.47	-0.012	07	0.44	51.212	15	93.4	3.82	14	94.0	A0	GC	3887	C -26 1210
7		8.8R	12 53.457	0.0021	18	-24 7 22.42	-0.007	18	0.33	53.424	16	33.8	22.30	16	33.8	G0 J	14	1509	E -24 1529
8		9.0R	12 54.256	-0.0003	18	-27 41 17.51	-0.101	18	0.33	54.261	16	33.8	15.88	16	33.8	F5 J	13B	1260	J -27 1141
9		9.4R	12 59.030	-0.0048	12	-24 49 8.04	-0.044	12	0.25	59.108	16	33.8	7.33	16	33.8	F5 J	14	1511	E -25 1325
10		6.9T	12 59.582	0.0009	16	-20 12 11.23	0.010	15	0.77	59.542	21	03.0	11.70	21	01.8	A0	GC	3889	-20 605
11		7.8T	13 6.668	0.0001	13	-28 31 45.46	0.007	11	0.67	6.661	17	98.6	45.86	17	93.9	K0	GC	3892	C -28 1075
12		9.1R	13 7.154	0.0042	15	-22 39 56.75	0.016	15	0.29	7.086	16	33.8	57.01	16	33.8	F8 J	14	1512	E -22 1124
13	10.8	10.6W	13 9.605	0.0056	21	-29 56 23.44	0.008	21	0.44	9.504	22	31.9	23.58	21	31.9	G2 L	C7	1153	C -30 1249
14		8.9R	13 18.627	0.0004	15	-22 22 9.23	0.042	15	0.29	18.622	16	33.8	9.92	16	33.8	K0 J	14	1513	E -22 1125
15		9.3R	13 22.862	-0.0022	20	-22 23 41.62	0.040	20	0.35	22.898	16	33.8	42.27	16	33.8	K5 J	14	1514	E -22 1127
16		9.4R	13 24.256	0.0027	18	-23 28 7.59	-0.049	18	0.33	24.213	16	33.8	6.79	16	33.8	K0 J	14	1515	E -23 1295
17		8.7R	13 26.857	0.0020	20	-28 11 33.67	-0.023	20	0.35	26.825	16	33.8	33.30	16	33.8	F5 J	13B	1263	J -28 1077
18		9.3R	13 27.740	0.0041	20	-29 12 55.89	0.050	20	0.35	27.674	16	33.8	56.71	16	33.8	F2 J	13B	1265	J -29 1200
19		8.5R	13 36.609	-0.0015	12	-25 20 42.16	0.020	12	0.25	36.633	16	33.8	42.48	16	33.8	K0 J	14	1516	E -25 1332
20		8.8A	13 40.545	0.0007	18	-21 0 36.08	0.028	13	0.30	40.533	16	33.8	36.54	16	33.8	K0 J	13A	908	A -21 589
21		8.6R	13 41.116	-0.0020	18	-26 34 33.14	-0.010	18	0.33	41.149	16	33.8	32.98	16	33.8	K0 J	14	1518	E -26 1215
22		9.0R	13 41.392	-0.0002	20	-26 41 2.38	-0.026	20	0.35	41.394	16	33.8	1.96	16	33.8	G0 J	14	1519	E -26 1216
23		9.0R	13 42.878	0.0013	21	-24 52 33.63	0.040	21	0.37	42.856	16	33.8	34.28	16	33.8	M J	14	1517	E -25 1334
24		8.0R	13 45.569	0.0011	18	-27 18 44.27	-0.023	18	0.33	45.552	16	33.8	43.90	16	33.8	K2 J	13B	1266	J -27 1144
25		8.3R	13 57.649	0.0006	12	-28 49 5.00	-0.014	12	0.25	57.638	16	33.8	4.77	16	33.8	F0 J	13B	1268	J -29 1204
26		9.5R	14 16.772	0.0015	12	-24 47 2.30	0.010	12	0.25	16.747	16	33.8	2.46	16	33.8	G0 J	14	1520	E -25 1339
27		9.5R	14 20.362	-0.0012	20	-23 56 53.53	0.036	20	0.35	20.382	16	33.8	54.12	16	33.8	F5 J	14	1521	E -24 1544
28		8.8A	14 20.627	-0.0008	18	-20 25 4.42	0.018	13	0.30	20.640	16	33.8	4.71	16	33.8	A5 J	13A	910	A -20 609
29		9.5R	14 20.640	0.0088	18	-24 22 13.19	0.019	18	0.33	20.497	16	33.8	13.50	16	33.8	F8 J	14	1522	E -24 1543
30		8.4R	14 21.081	0.0010	12	-26 41 19.17	-0.040	12	0.25	21.065	16	33.8	18.53	16	33.8	K2 J	14	1523	E -26 1222
31		9.2T	14 29.041	0.0034	20	-28 40 29.21	-0.115	17	0.89	28.883	22	03.9	23.64	21	01.5	G0	GC	3924	C -28 1083
32		9.5R	14 32.318	0.0013	15	-25 24 56.32	0.050	15	0.29	32.298	16	33.8	57.13	16	33.8	F2 J	14	1527	E -25 1341
33		8.9R	14 32.346	0.0024	12	-22 23 6.76	0.061	12	0.25	32.308	16	33.8	7.75	16	33.8	A5 J	14	1524	E -22 1135
34		8.9R	14 34.763	-0.0050	12	-25 9 0.31	-0.039	12	0.25	34.844	16	33.8	-59.68	16	33.8	K0 J	14	1528	E -25 1340
35		8.3R	14 35.019	-0.0027	15	-22 15 18.08	-0.015	15	0.29	35.064	16	33.8	17.84	16	33.8	K0 J	14	1525	E -22 1137
36		9.4R	14 44.707	0.0017	17	-29 46 6.03	-0.002	17	0.31	44.680	16	33.8	5.99	16	33.8	A J	13B	1271	J -30 1261
37		8.7R	14 45.873	-0.0006	15	-24 48 41.67	-0.021	15	0.29	45.883	16	33.8	41.33	16	33.8	K0 J	14	1529	E -25 1342
38		9.2R	14 55.896	0.0036	18	-25 58 45.31	-0.026	18	0.33	55.837	16	33.8	44.90	16	33.8	K5 J	14	1531	E -26 1225
39		9.0R	14 57.864	-0.0024	18	-23 12 29.61	-0.029	18	0.33	57.902	16	33.8	29.14	16	33.8	F8 J	14	1530	E -23 1306
40		8.9A	14 58.910	-0.0004	00	-20 51 58.54	-0.118	13	0.22	58.917	16	33.8	56.63	16	33.8	K0 J	13A	914	A*-21 594
41		6.7T	15 5.750	0.0000	11	-23 42 10.19	0.011	10	0.61	5.750	17	96.4	10.84	17	93.3	K0	GC	3935	C -23 1308
42		9.0R	15 11.557	-0.0018	12	-24 59 28.91	0.010	12	0.25	11.586	16	33.8	29.07	16	33.8	G0 J	14	1533	E -25 1345
43		9.7R	15 13.505	0.0006	18	-25 1 37.32	-0.016	18	0.33	13.496	16	33.8	37.06	16	33.8	A0 J	14	1534	E -25 1346
44		9.0R	15 22.860	-0.0020	20	-28 59 2.41	-0.036	20	0.35	22.892	16	33.8	1.83	16	33.8	K5 J	13B	1273	J -29 1211
45		9.3R	15 39.609	-0.0035	18	-22 57 56.64	0.003	18	0.33	39.666	16	33.8	56.69	16	33.8	G0 J	14	1535	E -23 1315
46		7.3T	15 42.081	0.0039	14	-26 32 3.53	-0.015	12	0.69	41.887	17	99.9	2.75	18	97.0	F8	GC	3951	C -26 1228
47		8.7R	15 44.766	0.0057	15	-22 39 47.00	0.012	15	0.29	44.674	16	33.8	47.20	16	33.8	G5 J	14	1536	E -22 1142
48		9.1R	15 55.398	-0.0011	18	-22 38 40.94	0.022	18	0.33	55.415	16	33.8	41.29	16	33.8	G5 J	14	1538	E -22 1143
49		6.0T	15 56.311	0.0138	16	-28 58 42.86	-0.011	13	0.75	55.629	17	00.7	42.30	17	98.9	A5	GC	3954	C -29 1216
50		9.1R	15 57.425	0.0005	12	-25 8 0.91	0.041	12	0.25	57.417	16	33.8	1.58	16	33.8	G0 J	14	1539	E -25 1351
51		9.0R	3 16 4.045	0.0099	18	-22 6 33.31	0.214	18	0.33	3.885	16	33.8	36.78	16	33.8	F8 J	14	1540	E -22 1144
52		5.0T	16 9.419	0.0010	05	-22 41 34.59	0.014	04	0.25	9.366	09	99.4	35.35	09	95.6	K0	GC	3955K	C*-23 44
53		8.2R	16 14.782	-0.0016	15	-24 16 59.85	0.005	15	0.29	14.809	16	33.8	59.94	16	33.8	A5 J	14	1542	E -24 1569
54		9.4R	16 15.890	-0.0011	17	-27 32 41.64	0.008	17	0.31	15.908	16	33.8	41.77	16	33.8	F2 J	13B	1277	J -27 1166
55		8.7R	16 34.333	-0.0002	12	-29 41 45.98	0.051	12	0.25	34.337	16	33.8	46.80	16	33.8	F5 J	13B	1278K	J -29 1220
56		8.3R	16 34.390	0.0003	12	-25 36 35.89	-0.025	12	0.25	34.385	16	33.8	35.49	16	33.8	G5 J	14	1543	E -25 1353
57		9.2R	17 9.078	0.0018	18	-22 33 13.12	0.058	18	0.33	9.048	16	33.8	14.06	16	33.8	G5 J	14	1544	E -22 1153
58		8.5R	17 10.300	0.0052	12	-24 59 0.55	0.030	12	0.25	10.216	16	33.8	1.03	16	33.8	K2 J	14	1545	E -25 1356
59		9.0R	17 14.924	-0.0016	15	-23 10 14.92	-0.026	15	0.29	14.949	16	33.8	14.49	16	33.8	A2 J	14	1546	E -23 1330
60		4.0T	17 17.471	0.0034	03	-21 56 19.62	0.036	03	0.13	17.317	05	04.8	21.27	05	04.9	MB	GC	3979K	B*-22 584
61		8.8R	17 19.851	0.0030	18	-24 40 15.60	-0.071	18	0.33	19.802	16	33.8	16.75	16	33.8	F0 J	14	1548	E -24 1577
62		6.0T	17 23.977	-0.0002	11	-24 18 10.94	-0.022	09	0.57	23.987	18	95.8	9.68	17	91.5	M0	GC	3983	C -24 1578
63		9.3R	17 25.275	0.0020	20	-22 35 41.42	0.046	20	0.35	25.243	16	33.8	42.17	16	33.8	K5 J	14	1549	E -22 1156
64		8.0R	17 28.164	-0.0008	12	-25 45 33.08	-0.054	12	0.25	28.177	16	33.8	32.21	16	33.8	F0 J	14	1551	E -26 1240
65		9.1R	17 41.627	-0.0004	20	-24 47 35.69	0.026	20	0.35	41.633	16	33.8	36.11	16	33.8	F5 J	14	1552	E -25 1359
66		8.9A	17 45.798	-0.0017	18	-20 39 35.79	-0.012	12	0.29	45.826	16	33.8	35.60	16	33.8	K0 J	13A	928	A -21 604
67		7.5R	17 52.864	0.0018	20	-29 10 20.90	-0.056	20	0.35	52.835	16	33.8	20.00	16	33.8	K2 J	13B	1282	J -29 1230
68		8.3R	17 56.008	0.0272	20	-28 57 47.00	-0.097	20	0.35	55.568	16	33.8	45.44	16	33.8	G0 J	13B	1283	J -29 1229
69		7.5R	17 56.706	0.0268	20	-29 1 58.66	-0.039	20	0.35	56.272	16	33.8	58.03	16	33.8	G0 J	13B	1284	J -29 1231
70		8.3R	18 16.973	0.0059	15	-24 17 38.08	-0.029	15	0.29	16.878	16	33.8	37.62	16	33.8	F5 J	14	1553	E -24 1586
71		8.8R	18 19.422	-0.0031	12	-22 53 27.83	-0.049	12	0.25	19.472	16	33.8	27.03	16	33.8	F8 J	14	1554	E -23 1336
72		9.4R	18 29.664	0.0010	12	-24 44 38.08	0.009	12	0.25	29.648	16	33.8	38.22	16	33.8	F2 J	14	1556	E -25 1366
73		8.7R	18 30.929	0.0085	18	-23 29 14.51	0.132	18	0.33	30.792	16	33.8	16.64	16	33.8	G5 J	14	1555	E -23 1339
74		6.7T	18 36.049	0.0023	10	-26 28 8.85	0.139	09	0.53	35.927	15	96.2	17.00	17	91.5	F0	GC	4012	C -26 1246
75		6.4T	18 37.008	0.0029	06	-26 47 9.94	0.027	06	0.29	36.882	10	06.2	11.24	12	02.6	F8	GC	4013	C*-27 1183
76		8.9A	18 49.447	-0.0017	18	-21 16 54.46	-0.005	13	0.30	49.475	16	33.8	54.38	16	33.8	F8 J	13A	932	A -21 611
77		9.4R	18 52.457	0.0019	18	-23 15 29.43	0.003	18	0.33	52.426	16	33.8	29.47	16	33.8	K2 J	14	1559	E -23 1342
78		8.1R	18 55.889	0.0027	12	-26 21 1.25	-0.025	12	0.25	55.845	16	33.8	0.85	16	33.8	K2 J	14	1561	E -26 1248
79		9.2R	18 56.328	0.0014	18	-21 43 58.48	0.088	18	0.33	56.305	16	33.8	59.90	16	33.8	F8 J	14	1560	E -22 1168
80		9.5R	18 58.917	0.0015	18	-25 8 12.39	-0.061	18	0.33	58.893	16	33.8	11.41	16	33.8	G0 J	14	1562	E -25 1370
81		9.0R	19 12.157	0.0041	20	-29 2 49.76	0.019	20	0.35	12.091	16	33.8	50.07	16	33.8	G0 J	13B	1288	J -29 1242
82		5.7T	19 12.885	-0.0018	06	-23 48 48.81	-0.027	05	0.27	12.962	10	06.8	47.60	10	04.3	G5	GC	4018	C*-24 1600
83		8.8A	19 16.438	0.0053	18	-21 38 9.21	0.020	13	0.30	16.351	16	33.8	9.54	16	33.8	K7 J	13A	934	A -21 613
84		9.2R	19 21.284	-0.0006	15	-24 21 29.13	-0.034	15	0.29	21.293	16	33.8	28.57	16	33.8	G0 J	14	1564	E -24 1602
85		6.6T	19 27.103	0.0019	13	-20 30 9.74	0.002	13	0.64	27.018	17	04.3	9.85	17	02.3	A0	GC	4021K	-20 625
86		9.0R	19 28.047	-0.0012	20	-28 20 27.21	0.017	20	0.35	28.066	16	33.8	27.49	16	33.8	F5 J	13B	1292	J -28 1115
87		9.3R	19 41.541	0.0024	12	-23 51 29.02	0.005	12	0.25	41.503	16	33.8	29.11	16	33.8	G5 J	14	1565	E -24 1603
88		8.4A	19 45.041	-0.0025	18	-20 13 27.46	0.036	13	0.30	45.081	16	33.8	28.04	16	33.8	K2 J	13A	937	A -20 626
89		8.9R	19 45.311	0.0001	15	-26 27 20.01	-0.046	15	0.29	45.309	16	33.8	19.27	16	33.8	K7 J	14	1567	E -26 1252
90		8.4R	19 48.466	0.0004	18	-22 16 40.78	0.011	18	0.33	48.461	16	33.8	40.97	16	33.8	K2 J	14	1566	E -22 1173
91		9.3R	19 54.114	0.0063	20	-29 39 47.43	-0.046	20	0.35	54.012	16	33.8	46.68	16	33.8	G0 J	13B	1295	J -29 1246
92		6.6T	20 2.659	-0.0006	20	-21 16 39.75	-0.029	17	0.88	2.688	18	03.3	38.39	17	02.8	G5	GC	4028	-21 616
93		6.3T	20 7.272	0.0013	06	-25 45 56.21	0.007	05	0.24	7.222	07	10.6	56.51	07	08.9	A0	GC	4031	C -26 1257
94		9.2R	20 17.909	0.0030	20	-28 36 9.86	0.027	20	0.35	17.860	16	33.8	10.30	16	33.8	F8 J	13B	1299	J -28 1119
95		9.4R	20 19.169	0.0063	12	-25 12 34.97	0.002	12	0.25	19.068	16	33.8	35.01	16	33.8	G0 J	14	1570	E -25 1377
96		9.0R	20 31.201	-0.0013	15	-23 8 16.54	-0.127	15	0.29	31.223	16	33.8	14.47	16	33.8	G5 J	14	1571	E -23 1354
97		8.7A	20 31.922	0.0029	13	-21 15 58.69	-0.034	11	0.25	31.876	16	33.8	58.14	16	33.8	K0 J	13A	942	A -21 618
98		8.0R	20 37.508	-0.0027	15	-27 24 57.43	-0.008	15	0.29	37.553	16	33.8	57.30	16	33.8	G5 J	13B	1301	J -27 1199
99		8.0R	20 47.262	0.0042	12	-27 28 45.59	-0.031	12	0.25	47.195	16	33.8	45.09	16	33.8	K2 J	13B	1302	J -27 1200
00		9.4R	20 57.060	0.0010	18	-23 38 0.33	0.000	18	0.33	57.044	16	33.8	0.34	16	33.8	G5 J	14	1572	E -23 1362

168500

EPOCH 1950 — ORIGINAL EPOCH — SOURCE — -20° 3H

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	σ'_μ ″.001	σ_{1950} ″	α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	CAT.	STAR NUMBER	DM NUMBER
1		8.2R	3 21 2.148	0.0008	12	-29 32 33.14	0.008	12	0.25	2.135	16	33.8	33.26	16	33.8	F8 J	13B	1303	J -29 1251
2		8.2R	21 3.277	0.0182	15	-26 17 41.83	0.106	12	0.27	2.982	16	33.8	43.56	16	33.8	K0 J	14	1573	E -26 1262
3		9.4A	21 15.306	0.0021	18	-21 42 56.80	-0.006	15	0.30	15.272	16	33.8	56.71	16	33.8	F2 J	13A	944	A -22 598
4		9.4R	21 15.395	-0.0000	15	-23 38 57.04	-0.058	15	0.29	15.396	16	33.8	56.10	16	33.8	G0 J	14	1574	E -23 1366
5		9.3R	21 24.821	-0.0004	15	-23 3 24.44	0.020	15	0.29	24.827	16	33.8	24.76	16	33.8	K5 J	14	1575	E -23 1369
6		9.3R	21 25.715	0.0024	18	-23 36 11.28	0.023	18	0.33	25.677	16	33.8	11.66	16	33.8	A7 M	14	1576	E -23 1370
7		7.3T	21 33.416	0.0014	12	-28 6 23.56	0.010	12	0.66	33.344	15	98.8	24.12	18	96.0	K0	GC	4058	C -28 1126
8		8.3R	21 39.800	-0.0057	17	-29 18 7.12	-0.108	17	0.31	39.908	16	33.8	5.37	16	33.8	F8 J	13B	1305	J -29 1254
9		8.6R	21 44.826	-0.0017	12	-25 24 48.74	-0.011	12	0.25	44.855	16	33.8	48.57	16	33.8	A5 J	14	1577	E -25 1391
10		8.7R	21 48.536	0.0034	17	-29 11 47.17	0.000	17	0.31	48.481	16	33.8	47.17	16	33.8	G5 J	13B	1306	J -29 1256
11		8.3R	21 49.276	-0.0014	18	-26 23 33.99	-0.008	18	0.33	49.300	16	33.8	33.86	16	33.8	F5 J	14	1579	E -26 1269
12		8.4R	21 50.746	-0.0052	18	-26 23 35.18	0.012	18	0.33	50.831	16	33.8	35.38	16	33.8	F5 J	14	1580	E -26 1270
13		9.5R	21 51.694	0.0017	18	-24 2 54.49	0.022	18	0.33	51.666	16	33.8	54.84	16	33.8	K0 J	14	1578	E -24 1624
14		7.4A	21 54.057	-0.0011	18	-21 6 25.17	-0.002	15	0.30	54.074	16	33.8	25.14	16	33.8	G5 J	13A	945	A -21 619
15		7.8R	21 55.505	0.0052	18	-26 12 45.26	-0.086	18	0.33	55.421	16	33.8	43.84	16	33.8	F5 J	14	1581	E -26 1271
16		8.6R	22 4.313	-0.0004	12	-27 18 53.85	-0.008	12	0.25	4.320	16	33.8	53.72	16	33.8	G5 J	13B	1309	J -27 1205
17		8.7R	22 5.371	-0.0002	20	-29 46 48.00	0.053	20	0.35	5.375	16	33.8	48.86	16	33.8	G5 J	13B	1310	J -30 1311
18		7.3R	22 5.831	0.0055	18	-24 28 36.49	0.010	18	0.33	5.743	16	33.8	36.64	16	33.8	K0 J	14	1582	E -24 1627
19		8.5R	22 10.237	-0.0030	15	-21 50 33.32	-0.068	15	0.29	10.286	16	33.8	32.21	16	33.8	K0 J	14	1583	E -22 1184
20		9.3R	22 21.871	-0.0025	20	-27 19 35.00	-0.011	20	0.35	21.912	16	33.8	34.83	16	33.8	A7 J	13B	1312	J -27 1207
21		9.1A	22 26.577	-0.0002	18	-20 28 50.05	-0.000	13	0.30	26.581	16	33.8	50.05	16	33.8	K0 J	13A	948	A -20 632
22	10.0	10.1W	22 27.189	-0.0014	21	-29 53 21.19	0.011	21	0.43	27.214	22	32.0	21.38	21	32.0	A2	C7	1204	C -30 1314
23		9.5R	22 29.142	0.0022	12	-24 47 1.92	0.020	12	0.25	29.106	16	33.8	2.24	16	33.8	F5 J	14	1584	E -25 1394
24		8.6R	22 31.800	0.0021	17	-26 19 43.46	0.001	17	0.31	31.765	16	33.8	43.48	16	33.8	K0 J	14	1585	E -26 1276
25		9.0R	22 36.649	0.0007	20	-29 9 59.12	0.015	20	0.35	36.638	16	33.8	59.37	16	33.8	K0 J	13B	1315	J -29 1257
26		8.2R	22 42.836	-0.0005	15	-25 55 34.08	0.001	15	0.29	42.843	16	33.8	34.10	16	33.8	K0 J	14	1586	E -26 1277
27		8.6R	22 44.113	0.0037	20	-27 56 45.12	-0.013	20	0.35	44.053	16	33.8	44.92	16	33.8	K2 J	13B	1316	J -28 1133
28		7.9A	22 58.957	0.0004	13	-21 14 53.83	0.072	11	0.25	58.951	16	33.8	55.00	16	33.8	F5 J	13A	950	A -21 621
29		8.7R	23 0.385	0.0031	17	-28 49 0.45	0.039	12	0.25	0.335	16	33.8	1.09	16	33.8	K0 J	13B	1317	J -29 1259
30		8.5R	23 3.798	0.0019	16	-27 25 11.08	0.019	18	0.33	3.767	16	33.8	11.39	16	33.8	G5 J	13B	1318	J -27 1213
31		8.3R	23 10.585	0.0018	18	-26 8 19.26	-0.071	18	0.33	10.555	16	33.8	18.14	16	33.8	K0 J	14	1587	E -26 1281
32		9.1R	23 13.229	0.0006	12	-24 39 27.94	0.012	12	0.25	13.219	16	33.8	28.13	16	33.8	G0 J	14	1589	E -24 1643
33		8.5R	23 13.735	-0.0005	12	-24 45 10.87	0.010	12	0.25	13.743	16	33.8	11.03	16	33.8	K5 J	14	1590	E -25 1401
34		9.2R	23 15.392	0.0091	15	-22 9 23.35	-0.023	15	0.29	15.244	16	33.8	22.99	16	33.8	G0 J	14	1588	E -22 1188
35		9.2R	23 24.999	0.0000	18	-24 26 13.40	-0.049	18	0.33	24.999	16	33.8	12.61	16	33.8	G0 J	14	1591	E -24 1644
36		7.3T	23 29.399	0.0053	15	-27 26 49.69	0.010	11	0.72	29.130	19	99.0	50.28	18	93.3	G5	GC	4086	C -27 1216
37		9.3R	23 44.141	0.0021	15	-26 29 45.95	-0.022	15	0.29	44.107	16	33.8	45.60	16	33.8	G5 J	14	1593	E -26 1286
38		8.1R	23 44.623	0.0111	18	-22 14 22.75	0.139	18	0.33	44.443	16	33.8	25.01	16	33.8	G5 J	14	1592	E -22 1191
39		8.9R	23 55.189	-0.0001	18	-22 20 8.17	0.033	18	0.33	55.190	16	33.8	8.72	16	33.8	K2 J	14	1594	E -22 1192
40		9.0R	23 59.009	0.0002	15	-23 4 29.23	0.011	15	0.29	59.006	16	33.8	29.40	16	33.8	K0 J	14	1595	E -23 1369
41		8.9A	24 2.090	0.0004	18	-20 56 56.70	0.014	13	0.30	2.083	16	33.8	56.93	16	33.8	K0 J	13A	957	A -21 623
42		9.3R	24 3.694	-0.0014	15	-26 46 20.00	-0.034	15	0.29	3.716	16	33.8	19.45	16	33.8	G5 J	14	1596	E -27 1223
43		9.3R	24 12.971	-0.0017	20	-29 42 29.52	0.009	20	0.35	12.999	16	33.8	29.66	16	33.8	F8 J	13B	1325	J -29 1265
44		6.0T	24 15.780	0.0003	06	-27 29 32.05	0.052	06	0.30	15.768	12	06.4	34.48	12	03.5	G5	GC	4104	C -27 1228
45		8.6R	24 18.456	0.0012	12	-29 43 7.04	0.026	12	0.25	18.438	16	33.8	7.46	16	33.8	K0 J	13B	1326	J -29 1266
46		8.6R	24 25.095	-0.0009	18	-27 9 35.54	-0.011	18	0.33	25.110	16	33.8	35.37	16	33.8	K0 J	13B	1329	J -27 1230
47		9.0R	24 31.311	0.0005	13	-27 42 55.22	-0.035	13	0.27	31.302	16	33.8	54.66	16	33.8	F0 J	13B	1330	J -27 1231
48		8.8R	24 33.538	0.0057	12	-21 50 27.86	0.035	12	0.25	33.444	16	33.8	28.43	16	33.8	G0 J	14	1597	E -22 1195
49		7.7T	24 39.008	0.0037	12	-28 44 3.36	0.053	13	0.69	38.816	21	98.5	6.14	19	97.7	K0	GC	4110K	E -29 1268
50		9.5R	24 45.294	-0.0025	18	-22 15 20.36	-0.036	18	0.33	45.333	16	33.8	19.79	16	33.8	G0 J	14	1598	E -22 1197
51		9.5R	3 24 46.825	-0.0018	18	-24 22 3.60	0.041	18	0.33	46.796	16	33.8	4.27	16	33.8	K2 J	14	1599	E -24 1657
52		9.3R	24 47.403	-0.0034	18	-27 24 53.45	0.021	18	0.33	47.459	16	33.8	53.80	16	33.8	F2 J	13B	1332	J -27 1234
53		9.7R	24 50.925	-0.0017	18	-24 37 41.38	-0.059	18	0.33	50.953	16	33.8	40.42	16	33.8	G0 J	14	1600	E -24 1658
54		9.4R	25 6.336	0.0023	12	-25 32 46.91	-0.009	12	0.25	6.298	16	33.8	46.77	16	33.8	F2 J	14	1601	E -25 1412
55		8.3R	25 6.866	0.0030	20	-27 4 57.57	0.041	20	0.35	6.817	16	33.8	58.24	16	33.8	F5 J	13B	1334	J -27 1235
56		9.1R	25 9.631	0.0104	15	-26 41 58.01	0.053	15	0.29	9.462	16	33.8	58.88	16	33.8	G0 J	14	1602	E -26 1297
57		8.6R	25 11.198	0.0064	18	-26 25 54.31	0.022	18	0.33	11.093	16	33.8	54.67	16	33.8	F8 J	14	1603	E -26 1298
58		8.3R	25 21.258	0.0013	12	-27 55 9.43	-0.023	12	0.25	21.236	16	33.8	9.06	16	33.8	K0 J	13B	1335	J -28 1149
59		9.3R	25 27.921	0.0041	15	-25 34 22.54	-0.016	15	0.29	27.855	16	33.8	22.29	16	33.8	G5 J	14	1604	E -25 1416
60		9.0A	25 33.230	0.0015	17	-21 34 11.43	0.042	12	0.28	33.206	16	33.8	12.12	16	33.8	B9 J	13A	964	A -21 630
61		8.5R	25 36.097	0.0031	15	-27 35 9.17	0.114	15	0.29	36.046	16	33.8	11.02	16	33.8	G0 J	13B	1337	J -27 1237
62		9.4R	25 39.919	-0.0002	18	-25 47 29.76	-0.016	18	0.33	39.922	16	33.8	29.51	16	33.8	F8 J	14	1605	E -26 1301
63		9.2R	25 41.554	0.0035	12	-25 12 34.38	0.016	12	0.25	41.498	16	33.8	34.63	16	33.8	K2 J	14	1606	E -25 1417
64		9.4R	25 42.177	-0.0010	15	-24 24 39.91	0.000	15	0.29	42.193	16	33.8	39.92	16	33.8	G0 J	14	1607	E -24 1667
65		9.2A	25 43.539	-0.0036	18	-20 23 51.91	0.026	13	0.30	43.597	16	33.8	52.33	16	33.8	F8 J	13A	965	A -20 644
66		9.0A	25 50.517	-0.0000	20	-21 7 9.70	0.019	15	0.32	50.517	16	33.8	10.01	16	33.8	G5 J	13A	966	A -21 631
67		9.1R	25 55.218	-0.0034	18	-25 51 50.61	-0.065	18	0.33	55.274	16	33.8	49.57	16	33.8	F5 J	14	1608	E -26 1304
68		9.5R	26 4.409	-0.0027	18	-24 23 36.18	0.059	18	0.33	4.454	16	33.8	38.80	16	33.8	F2 J	14	1610	E -24 1670
69		8.6R	26 8.403	0.0011	12	-29 35 59.33	-0.011	12	0.25	8.385	16	33.8	59.15	16	33.8	K2 J	13B	1339	J -29 1279
70		8.5R	26 17.973	0.0060	18	-26 30 57.83	0.019	18	0.33	17.876	16	33.8	58.14	16	33.8	G0 J	14	1611	E -26 1306
71		8.4R	26 22.434	0.0004	20	-25 52 17.10	-0.047	20	0.35	22.427	16	33.8	16.34	16	33.8	G5 J	14	1613	E -26 1307
72		8.9A	26 39.543	-0.0016	18	-20 9 3.50	0.017	13	0.30	39.569	16	33.8	3.77	16	33.8	F8 J	13A	972	A -20 646
73		9.0R	26 39.568	-0.0015	17	-27 48 13.80	-0.042	17	0.31	39.592	16	33.8	13.13	16	33.8	F8 J	13B	1342	J -28 1158
74		8.8R	26 42.165	-0.0012	20	-26 36 21.37	0.031	20	0.35	42.184	16	33.8	21.88	16	33.8	G5 J	14	1614	E -26 1310
75		8.6R	26 52.133	-0.0011	12	-25 4 1.04	0.011	12	0.25	52.151	16	33.8	1.22	16	33.8	F5 J	14	1615	E -25 1426
76		9.2R	26 57.180	-0.0019	15	-27 42 50.96	-0.007	15	0.29	57.210	16	33.8	50.85	16	33.8	K2 J	13B	1345	J -27 1247
77		9.3R	26 57.300	0.0028	21	-28 45 36.89	-0.020	21	0.37	57.255	16	33.8	36.57	16	33.8	F8 J	14	1616	E -27 1246
78		8.3R	27 0.229	0.0028	17	-29 9 54.10	0.027	17	0.31	0.184	16	33.8	54.54	16	33.8	K5 J	13B	1346	J -29 1284
79		8.2A	27 4.232	0.0002	12	-21 32 31.93	0.015	11	0.24	4.229	16	33.8	32.17	16	33.8	K2 J	13A	975	A -21 636
80		9.1R	27 10.068	0.0005	17	-26 49 49.89	-0.042	17	0.31	10.060	16	33.8	49.21	16	33.8	G0 J	13B	1347	J -27 1250
81		9.0R	27 12.002	0.0174	15	-24 16 24.46	0.105	15	0.29	11.721	16	33.8	26.15	16	33.8	K5 J	14	1617	E -24 1679
82		6.8T	27 24.086	0.0061	07	-23 38 50.23	0.034	07	0.31	23.606	09	07.5	51.68	09	07.8	F5	GC	4167	C -23 1412
83		8.4A	27 25.728	-0.0003	17	-21 35 29.77	0.024	12	0.28	25.732	16	33.8	30.17	16	33.8	F0 J	13A	978	A -21 637
84		9.2R	27 29.439	0.0038	17	-28 34 26.08	0.006	17	0.31	29.378	16	33.8	26.18	16	33.8		13B	1349	J -28 1162
85		8.5R	27 31.177	-0.0009	13	-28 44 15.90	0.000	13	0.27	31.192	16	33.8	15.90	16	33.8	K0 J	13B	1350	J -29 1287
86		8.7R	27 33.162	0.0053	20	-28 39 54.60	-0.022	20	0.35	33.076	16	33.8	54.25	16	33.8	G5 J	13B	1351	J -28 1164
87		6.9T	27 37.234	-0.0004	12	-22 40 34.85	0.031	09	0.57	37.252	15	99.3	36.45	15	98.1	K0	GC	4171	C -23 46
88		9.2R	27 43.862	-0.0023	20	-29 29 1.55	-0.010	20	0.35	43.900	16	33.8	1.39	16	33.8		13B	1352	J -29 1269
89		8.4R	27 44.271	0.0019	15	-23 54 59.26	0.019	15	0.29	44.241	16	33.8	59.58	16	33.8	K2 J	14	1621	E -24 1686
90		8.6R	27 45.544	0.0005	20	-29 33 54.07	-0.022	20	0.35	45.536	16	33.8	53.71	16	33.8	K0 J	13B	1353	J -29 1290
91		8.8R	27 51.046	-0.0011	20	-28 30 33.60	-0.022	20	0.35	51.064	16	33.8	33.25	16	33.8	K0 J	13B	1354	J -28 1165
92		9.7R	27 54.519	0.0021	20	-28 31 32.70	0.040	20	0.35	54.485	16	33.8	33.35	16	33.8		13B	1355	J -28 1166
93		8.4R	28 0.185	0.0011	12	-28 29 46.02	-0.030	12	0.25	0.167	16	33.8	45.54	16	33.8	K5 J	14	1622	E -26 1318
94		9.2R	28 2.692	-0.0022	20	-28 33 57.11	-0.030	20	0.35	2.727	16	33.8	56.63	16	33.8	F2 J	13B	1357	J -28 1168
95		8.8R	28 3.687	0.0010	18	-23 54 55.08	-0.029	18	0.33	3.672	16	33.8	54.60	16	33.8	G0 J	14	1623	E -24 1692
96		9.5R	28 30.083	0.0002	18	-22 47 25.30	-0.022	18	0.33	30.079	16	33.8	24.94	16	33.8	K5 J	14	1624	E -23 1422
97		9.3R	28 30.827	-0.0016	18	-22 29 28.34	0.020	18	0.33	30.852	16	33.8	28.67	16	33.8	M J	14	1625	E -22 1219
98		7.8T	28 34.471	0.0034	15	-28 5 36.78	0.103	13	0.74	34.299	15	99.6	42.20	18	97.6	F5	GC	4204	C -28 1171
99	9.5	9.5W	28 35.617	-0.0026	21	-29 57 27.61	-0.007	21	0.43	35.664	22	32.0	27.48	21	32.0	G0	C7	1238	C -30 1357
00		9.4R	28 39.863	0.0008	18	-22 37 58.85	0.021	18	0.33	39.851	16	33.8	59.18	16	33.8	F5 J	14	1626	E -22 1221

168600			EPOCH 1950								ORIGINAL EPOCH						SP.	SOURCE		-20° 3H
NUMBER	MAGNITUDES		α_{1950}	μ	σ_μ	δ_{1950}	μ'	$\sigma_{\mu'}$	σ_{1950}	α_2	σ	ep.	δ_2	σ'	ep.		CAT.	STAR NUMBER	DM NUMBER
	m_{pg}	m_v	h m s	s	″.001	° ′ ″	″	″.001	″	s	″.01		″	″.01						
1		9.0R	3 28 52.511	0.0024	15	-25 48 25.76	-0.024	15	0.29	52.472	16	33.8	25.38	16	33.8	F5 J	14	1627	E -26 1326
2		9.0R	28 52.733	0.0023	17	-29 14 43.46	-0.001	17	0.31	52.696	16	33.8	43.45	16	33.8	K0 J	13B	1363	J -29 1296
3		7.8R	28 55.211	0.0010	12	-26 47 24.57	-0.068	12	0.25	55.196	16	33.8	23.47	16	33.8	K0 J	14	1628	E -27 1256
4		8.7R	28 59.535	-0.0031	15	-23 21 9.08	-0.005	15	0.29	59.585	16	33.8	9.00	16	33.8	K0 J	14	1629	E -23 1425
5		9.2R	29 10.363	-0.0003	18	-23 9 25.05	-0.032	18	0.33	10.367	16	33.8	24.54	16	33.8	G0 J	14	1630	E -23 1426
6		9.1R	29 15.010	0.0014	20	-29 37 20.18	-0.011	20	0.35	14.988	16	33.8	20.00	16	33.8	K0 J	13B	1365	J -29 1303
7		8.6R	29 19.747	0.0008	18	-24 1 16.57	-0.049	18	0.33	19.734	16	33.8	15.79	16	33.8	G5 J	14	1631	E -24 1705
8		8.9R	29 21.081	0.0024	15	-25 55 41.72	0.012	15	0.29	21.042	16	33.8	41.92	16	33.8	K0 J	14	1632	E -26 1330
9		8.8R	29 24.725	0.0035	20	-27 49 59.82	0.014	20	0.35	24.669	16	33.8	0.05	16	33.8	K2 J	13B	1367	J -28 1176
10		9.4R	29 26.491	-0.0007	18	-23 28 14.50	0.020	18	0.33	26.502	16	33.8	14.83	16	33.8	F5 J	14	1633	E -23 1428
11		8.4A	29 40.551	-0.0022	18	-20 32 9.10	-0.041	13	0.30	40.587	16	33.8	8.44	16	33.8	G5 J	13A	989	A -20 659
12		6.3T	29 45.395	0.0058	15	-25 46 57.94	-0.016	12	0.72	45.105	18	99.6	57.09	17	95.8	A0	GC	4227	C*-26 1333
13		8.7R	29 50.575	0.0019	12	-25 42 40.43	-0.017	12	0.25	50.544	16	33.8	40.16	16	33.8	K0 J	14	1635	E -25 1451
14		8.8A	29 51.800	0.0017	18	-21 24 57.91	0.022	13	0.30	51.772	16	33.8	58.27	16	33.8	B5 J	13A	990	A -21 644
15		8.4R	30 0.430	0.0020	12	-29 11 6.39	0.017	12	0.25	0.397	16	33.8	6.67	16	33.8	A2 J	13B	1369	J -29 1306
16		9.1A	30 11.555	-0.0048	18	-20 46 25.54	-0.023	13	0.30	11.631	16	33.8	25.16	16	33.8	K5 J	13A	991	A -21 646
17		7.2T	30 17.048	-0.0001	07	-24 47 5.45	0.015	07	0.32	17.044	09	03.5	6.19	10	01.8	A2	GC	4237	C*-25 1452
18		9.6R	30 17.584	-0.0045	18	-22 48 7.14	0.015	18	0.33	17.656	16	33.8	7.39	16	33.8	F8 J	14	1636	E -23 1435
19		8.0R	30 18.612	-0.0016	15	-25 49 35.35	-0.004	15	0.29	18.637	16	33.8	35.28	16	33.8	M5 J	14	1638	E -26 1336
20		9.1R	30 25.069	0.0009	12	-23 47 48.40	0.024	12	0.25	25.055	16	33.8	48.78	16	33.8	B9 J	14	1639	E -24 1715
21		8.5R	30 30.785	-0.0002	12	-29 22 53.50	0.035	12	0.25	30.789	16	33.8	54.07	16	33.8	F8 J	13B	1374	J -29 1310
22		9.0R	30 31.583	0.0048	18	-26 55 16.25	0.029	18	0.33	31.506	16	33.8	16.73	16	33.8	G5 J	13B	1373	J -27 1269
23		9.2R	30 35.561	-0.0027	18	-24 16 59.70	-0.048	18	0.33	35.604	16	33.8	58.92	16	33.8	F8 J	14	1640	E -24 1716
24		8.8A	30 45.273	-0.0007	18	-20 56 57.15	-0.025	12	0.29	45.284	16	33.8	56.74	16	33.8	F8 J	13A	993	A -21 649
25		8.4R	30 56.404	0.0048	18	-23 56 6.04	0.054	18	0.33	56.326	16	33.8	6.91	16	33.8	K0 J	14	1641	E -24 1721
26		9.5R	31 4.918	0.0030	18	-24 40 20.93	0.042	18	0.33	4.869	16	33.8	21.62	16	33.8	G0 J	14	1642	E -24 1724
27		9.1R	31 21.818	0.0031	18	-23 53 25.13	0.021	18	0.33	21.767	16	33.8	25.46	16	33.8	K2 J	14	1643	E -24 1729
28		8.9R	31 26.350	0.0029	12	-28 3 11.53	0.008	12	0.25	26.304	16	33.8	11.67	16	33.8	K5 J	13B	1377	J -28 1189
29		8.6R	31 26.541	-0.0018	13	-29 10 11.80	-0.001	13	0.27	26.570	16	33.8	11.79	16	33.8	F0 J	13B	1378	J -29 1318
30		8.4R	31 26.970	-0.0001	18	-23 7 1.86	-0.012	18	0.33	26.971	16	33.8	1.68	16	33.8	F2 J	14	1644	E -23 1442
31		8.8A	31 27.192	0.0006	18	-20 14 20.57	0.017	13	0.30	27.183	16	33.8	20.86	16	33.8	G5 J	13A	996	A -20 661
32		9.2R	31 28.556	0.0033	20	-29 24 52.21	-0.017	20	0.35	28.502	16	33.8	51.94	16	33.8	F2 J	13B	1379	J -29 1319
33		9.4R	31 33.424	-0.0011	18	-22 5 39.47	0.039	18	0.33	33.441	16	33.8	40.10	16	33.8	A5 J	14	1645	E -22 1237
34		4.3H	31 34.657	0.0029	01	-21 47 57.95	-0.024	02	0.06	34.561	03	16.9	57.13	03	16.2	B8	F4	1099	-22 628
35		9.2R	31 37.487	-0.0007	18	-25 16 50.47	-0.003	18	0.33	37.498	16	33.8	50.43	16	33.8	F8 J	14	1646	E -25 1457
36		9.6R	31 43.736	0.0015	20	-22 53 28.67	0.042	20	0.35	43.711	16	33.8	29.35	16	33.8	F5 J	14	1647	E*-23 1443
37		8.7A	31 44.234	-0.0016	18	-20 32 11.50	0.026	13	0.30	44.260	16	33.8	11.92	16	33.8	A2 J	13A	999	A -20 663
38		8.9R	31 48.410	0.0020	17	-29 23 28.65	-0.035	17	0.31	48.379	16	33.8	28.09	16	33.8	K0 J	13B	1381	J -29 1324
39		9.2R	32 3.915	0.0044	18	-23 1 23.22	0.015	18	0.33	3.843	16	33.8	23.46	16	33.8	A2 J	14	1649	E -23 1445
40		8.9R	32 4.029	-0.0012	18	-22 12 6.49	-0.012	18	0.33	4.048	16	33.8	6.30	16	33.8	K5 J	14	1648	E -22 1241
41		8.9R	32 9.697	-0.0007	18	-24 44 14.67	-0.043	18	0.33	9.708	16	33.8	13.98	16	33.8	F8 J	14	1650	E -24 1736
42		9.1R	32 12.319	0.0035	12	-27 53 12.28	-0.022	12	0.25	12.265	16	33.8	11.93	16	33.8	G0 J	13B	1385	J -28 1192
43		8.8R	32 24.930	0.0061	18	-24 30 10.66	-0.020	18	0.33	24.847	16	33.8	10.34	16	33.8	F5 J	14	1652	E -24 1738
44		8.9R	32 25.966	-0.0005	18	-22 18 38.75	-0.011	18	0.33	25.974	16	33.8	38.57	16	33.8	K5 J	14	1651	E -22 1244
45		9.0R	32 38.190	0.0065	15	-25 40 43.61	0.130	15	0.29	38.085	16	33.8	45.71	16	33.8	G0 J	14	1654	E -25 1461
46		8.8R	32 40.020	-0.0003	20	-23 21 46.10	0.017	20	0.35	40.025	16	33.8	46.39	16	33.8	K2 J	14	1653	E -23 1449
47		8.7A	32 42.769	-0.0013	18	-20 0 13.04	0.010	13	0.30	42.790	16	33.8	13.21	16	33.8	M0 J	13A	1002	A -20 673
48		6.6T	32 44.245	0.0032	12	-25 44 55.80	0.051	12	0.65	44.082	18	98.2	58.54	18	95.8	G5	GC	4285	C*-26 1348
49		8.6R	32 44.432	-0.0008	18	-24 1 30.34	0.021	18	0.33	44.445	16	33.8	30.67	16	33.8	B9 J	14	1655	E -24 1743
50		9.0R	32 50.599	-0.0021	20	-29 0 27.43	0.012	20	0.35	50.633	16	33.8	27.63	16	33.8	K5 J	13B	1389	J -29 1329
51		8.0R	3 32 54.400	0.0016	18	-24 28 24.58	0.010	18	0.33	54.374	16	33.8	24.74	16	33.8	K0 J	14	1658	E -24 1745
52		9.3R	33 7.573	-0.0026	18	-24 24 22.99	-0.040	18	0.33	7.614	16	33.8	22.34	16	33.8	G0 J	14	1659	E -24 1752
53		8.3R	33 9.053	0.0033	12	-25 3 41.30	-0.013	12	0.25	9.000	16	33.8	41.09	16	33.8	K2 J	14	1660	E -25 1465
54		8.5R	33 11.828	-0.0005	20	-24 6 42.51	-0.001	20	0.35	11.836	16	33.8	42.49	16	33.8	K2 J	14	1661	E -24 1754
55		8.4R	33 12.335	0.0050	20	-29 15 25.13	-0.036	20	0.35	12.254	16	33.8	24.55	16	33.8	K5 J	13B	1390	J -29 1331
56		9.3R	33 13.229	0.0061	20	-29 42 28.39	-0.045	20	0.35	13.131	16	33.8	27.67	16	33.8	G0 J	13B	1391	J -29 1332
57		9.5R	33 17.959	0.0049	18	-22 1 40.75	0.023	18	0.33	17.879	16	33.8	41.12	16	33.8	F2 J	14	1662	E -22 1246
58		8.8R	33 18.435	0.0024	17	-26 11 49.09	0.055	17	0.31	18.397	16	33.8	49.97	16	33.8	F5 J	14	1663	E -26 1351
59		8.5R	33 19.637	0.0139	20	-28 30 0.14	-0.124	20	0.35	19.413	16	33.8	-58.14	16	33.8	A3 J	13B	1392	J -28 1205
60		8.5R	33 22.304	-0.0003	18	-24 43 35.16	-0.010	18	0.33	22.309	16	33.8	35.00	16	33.8	K5 J	14	1664	E -24 1757
61		9.4R	33 23.017	0.0002	18	-25 18 39.57	-0.010	18	0.33	23.014	16	33.8	39.41	16	33.8	G5 J	14	1665	E -25 1467
62		8.2R	33 23.879	-0.0013	18	-26 35 43.33	-0.002	18	0.33	23.900	16	33.8	43.30	16	33.8	F0 J	14	1666	E -26 1352
63		8.8A	33 35.183	-0.0020	20	-20 11 0.63	0.121	15	0.32	35.215	16	33.8	2.60	16	33.8	G0 J	13A	1004	A -20 676
64		8.9R	33 39.930	0.0031	17	-28 52 22.66	0.042	17	0.31	39.880	16	33.8	23.34	16	33.8	K0 J	13B	1393	J -29 1337
65		8.5A	33 40.848	0.0005	20	-20 19 0.52	0.000	15	0.32	40.840	16	33.8	0.53	16	33.8	A2 J	13A	1005	A -20 677
66		8.2R	33 44.026	0.0013	18	-26 57 7.58	-0.006	18	0.33	44.004	16	33.8	7.49	16	33.8	F0 J	13B	1394	J -27 1295
67		8.6R	33 46.322	0.0007	18	-24 21 29.53	-0.007	18	0.33	46.311	16	33.8	29.41	16	33.8	K5 J	14	1667	E -24 1758
68		8.9R	33 47.537	0.0017	17	-29 41 53.58	0.032	17	0.31	47.509	16	33.8	54.10	16	33.8	G5 J	13B	1397	J -29 1338
69		8.6R	33 49.425	-0.0066	18	-23 40 55.95	-0.034	18	0.33	49.532	16	33.8	55.40	16	33.8	G5 J	14	1668	E -23 1460
70		8.6R	33 49.726	0.0017	18	-24 40 52.53	-0.037	18	0.33	49.699	16	33.8	51.94	16	33.8	K5 J	14	1669	E -24 1759
71		9.4R	34 0.224	-0.0007	18	-27 31 8.30	-0.036	18	0.33	0.236	16	33.8	7.72	16	33.8	G5 J	13B	1398	J -27 1296
72		8.5R	34 8.214	0.0087	20	-28 54 47.58	-0.023	20	0.35	8.073	16	33.8	47.21	16	33.8	F8 J	13B	1399	J -29 1341
73		9.3R	34 17.771	0.0009	18	-23 36 37.37	-0.050	18	0.33	17.756	16	33.8	36.56	16	33.8	G5 J	14	1670	E -23 1462
74		9.2A	34 17.919	0.0015	20	-20 48 14.38	-0.019	15	0.32	17.894	16	33.8	14.07	16	33.8	F5 J	13A	1009	A -21 660
75		8.9R	34 19.806	0.0060	20	-28 3 8.37	-0.055	17	0.33	19.708	16	33.8	7.49	16	33.8	G0 J	13B	1400	J -28 1211
76		8.5R	34 21.169	-0.0074	15	-25 7 32.60	-0.090	15	0.29	21.289	16	33.8	31.15	16	33.8	G5 J	14	1672	E -25 1474
77		8.5R	34 22.451	0.0019	18	-23 31 57.48	0.030	18	0.33	22.420	16	33.8	57.96	16	33.8	F5 J	14	1671	E -23 1463
78		9.7R	34 32.417	0.0017	21	-24 0 36.54	-0.040	21	0.37	32.390	16	33.8	35.89	16	33.8		14	1673	E -24 1764
79		8.1R	34 38.415	-0.0007	18	-22 38 55.07	-0.001	18	0.33	38.426	16	33.8	55.06	16	33.8	K0 J	14	1674	E -22 1253
80		9.2R	34 49.204	-0.0003	15	-24 49 24.95	0.035	15	0.29	49.208	16	33.8	25.52	16	33.8	F5 J	14	1675	E -25 1476
81		10.0R	34 52.365	-0.0029	22	-24 0 44.96	0.001	22	0.40	52.412	16	33.8	44.97	16	33.8		14	1676	E -24 1769
82		8.8R	34 53.027	-0.0012	12	-24 0 3.69	-0.029	12	0.25	53.047	16	33.8	3.22	16	33.8	K0 J	14	1677	E -24 1770
83		8.3R	34 53.636	-0.0048	12	-28 17 30.13	-0.216	12	0.25	53.713	16	33.8	26.64	16	33.8	G5 J	13B	1401	J -28 1214
84		8.6R	34 56.210	0.0013	18	-21 57 13.44	-0.003	18	0.33	56.189	16	33.8	13.39	16	33.8	F5 J	14	1678	E -22 1257
85		7.3T	35 6.525	-0.0006	10	-29 59 36.77	-0.030	10	0.58	6.560	15	96.2	35.06	17	92.7	A0	GC	4326	C*-30 1406
86		8.9A	35 13.430	0.0022	20	-21 3 36.70	0.080	15	0.32	13.394	16	33.8	37.99	16	33.8	F8 J	13A	1013	A -21 663
87		9.5R	35 23.681	0.0012	15	-22 50 54.53	0.003	15	0.29	23.662	16	33.8	54.58	16	33.8	G0 J	14	1679	E -23 1472
88		9.3A	35 30.527	0.0007	18	-20 37 50.12	0.032	13	0.30	30.515	16	33.8	50.63	16	33.8	F5 J	13A	1014	A -20 680
89		9.0R	35 38.872	0.0019	15	-24 55 23.22	-0.003	15	0.29	38.841	16	33.8	23.18	16	33.8	A2 J	14	1680	E -25 1485
90		9.0R	35 42.200	-0.0052	15	-22 15 38.45	-0.040	15	0.29	42.284	16	33.8	37.80	16	33.8	G0 J	14	1681	E -22 1259
91		9.5R	35 55.727	-0.0006	18	-27 28 9.50	-0.030	18	0.33	55.736	16	33.8	9.02	16	33.8	F8 J	13B	1407	J -27 1311
92		8.5R	36 4.680	-0.0009	18	-22 25 40.30	-0.012	18	0.33	4.695	16	33.8	40.11	16	33.8	K5 J	14	1682	E -22 1261
93		9.4R	36 11.486	0.0000	18	-24 30 46.93	-0.018	18	0.33	11.485	16	33.8	46.64	16	33.8	F5 J	14	1683	E -24 1778
94		8.8R	36 12.600	0.0020	18	-24 10 10.20	-0.024	18	0.33	12.567	16	33.8	9.81	16	33.8	G0 J	14	1684	E -24 1779
95		9.0A	36 13.441	-0.0015	20	-20 54 43.63	0.025	15	0.32	13.466	16	33.8	44.03	16	33.8	K7 J	13A	1019	A -21 664
96		8.9R	36 15.708	-0.0023	17	-27 39 4.11	-0.007	17	0.31	15.745	16	33.8	4.00	16	33.8	K5 J	13B	1410	J -27 1312
97		8.8R	36 17.963	-0.0003	12	-23 14 55.97	0.015	12	0.25	17.967	16	33.8	56.22	16	33.8	K2 J	14	1685	E -23 1462
98		8.8A	36 30.385	-0.0010	20	-21 28 40.07	0.011	15	0.32	30.400	16	33.8	40.24	16	33.8	K2 J	13A	1020	A -21 665
99		7.5A	36 35.606	0.0005	18	-20 22 39.59	0.017	13	0.30	35.598	16	33.8	39.87	16	33.8	K0 J	13A	1021	A -20 684
00		7.8R	36 39.964	0.0009	17	-25 46 13.49	-0.002	17	0.31	39.949	16	33.8	13.45	16	33.8	K2 J	14	1686	E -26 1375

168700

EPOCH 1950 — ORIGINAL EPOCH — SOURCE — -20° 3H

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	CAT.	STAR NUMBER	DM NUMBER
1		6.1H	3 36 42.771	0.0014	02	-28 6 19.13	0.030	02	0.09	42.731	04	20.9	20.06	04	18.7	AO	F4	1102	C -28 1225
2		9.4R	36 44.920	0.0012	16	-23 42 54.67	0.015	18	0.33	44.900	16	33.8	54.91	16	33.8	KO J	14	1687	E -23 1488
3		8.7R	36 50.378	0.0009	16	-24 14 59.10	-0.022	18	0.33	50.364	16	33.8	58.74	16	33.8	KO J	14	1688	E -24 1787
4		9.2R	36 54.238	0.0015	15	-23 51 16.52	0.007	15	0.29	54.213	16	33.8	16.63	16	33.8	GO J	14	1689	E -24 1789
5		9.3R	36 55.814	0.0049	12	-29 28 23.33	0.008	12	0.25	55.736	16	33.8	23.46	16	33.8	G5 J	13B	1414	J -29 1361
6		8.8R	36 56.401	0.0003	20	-26 58 33.63	0.013	20	0.35	56.396	16	33.8	33.84	16	33.8	F8 J	13B	1413	J -27 1319
7		8.3T	36 59.000	0.0024	17	-28 10 54.56	0.000	09	0.68	58.887	18	03.0	54.59	18	98.9	KO	GC	4357	C -28 1227
8		7.9R	37 4.170	-0.0008	18	-22 29 1.96	-0.061	18	0.33	4.184	16	33.8	0.98	16	33.8	G5 J	14	1690	E -22 1289
9		9.4R	37 4.597	-0.0007	16	-24 5 59.49	-0.022	16	0.33	4.607	16	33.8	59.13	16	33.8	G5 J	14	1691	E -24 1793
10		8.9R	37 10.002	0.0069	12	-27 50 21.19	-0.077	12	0.25	9.991	16	33.8	19.95	16	33.8	GO J	13B	1416	J -28 1226
11		8.8A	37 10.203	-0.0008	15	-20 45 0.88	0.009	11	0.26	10.216	16	33.8	1.02	16	33.8	GO J	13A	1023	A -21 667
12		9.5R	37 13.982	-0.0012	20	-22 7 50.99	-0.010	20	0.35	14.001	16	33.8	50.83	16	33.8	FO J	14	1692	E -22 1270
13		9.0A	37 15.923	0.0021	20	-20 16 17.06	0.038	15	0.32	15.889	16	33.8	17.68	16	33.8	F8 J	13A	1025	A -20 685
14		9.2R	37 21.695	0.0029	18	-23 40 24.48	0.035	18	0.33	21.648	16	33.8	25.04	16	33.8	F8 J	14	1693	E -23 1492
15		9.3A	37 25.715	-0.0000	20	-21 0 29.64	0.010	15	0.32	25.719	16	33.8	29.80	16	33.8	K7 J	13A	1027	A -21 668
16		8.6R	37 28.477	0.0016	17	-27 31 30.78	0.012	17	0.31	28.451	16	33.8	30.98	16	33.8	KO J	13B	1417	J -27 1322
17		8.0R	37 29.461	0.0030	17	-29 15 46.77	-0.007	17	0.31	29.413	16	33.8	46.66	16	33.8	K2 J	13B	1418	J -29 1363
18		8.5R	37 32.160	-0.0011	20	-25 31 17.72	-0.014	20	0.35	32.178	16	33.8	17.49	16	33.8	K2 J	14	1694	E -25 1497
19		9.4R	37 40.404	-0.0001	15	-23 34 17.55	0.033	15	0.29	40.405	16	33.8	18.08	16	33.8	KO J	14	1695	E -23 1499
20		6.9T	37 49.498	-0.0013	12	-28 40 15.29	-0.116	12	0.66	49.565	18	97.6	9.07	18	96.3	F8	GC	4386	C*-28 1235
21		9.0R	37 49.835	-0.0006	18	-26 23 0.44	0.067	18	0.33	49.845	16	33.8	1.52	16	33.8	G5 J	14	1697	E -26 1382
22		8.8R	37 50.097	0.0005	15	-22 19 48.96	0.015	15	0.29	50.088	16	33.8	49.20	16	33.8	A2 J	14	1696	E -22 1275
23	10.9	10.0W	37 55.139	0.0022	21	-29 57 16.09	0.061	21	0.43	55.100	22	32.0	17.19	21	32.0		C7	1299	C -30 1430
24		9.4R	38 0.112	0.0001	17	-23 48 26.24	0.003	17	0.31	0.110	16	33.8	26.28	16	33.8	F5 J	14	1699	E -26 1385
25		8.6R	38 9.719	-0.0008	18	-24 40 47.38	0.091	18	0.33	9.731	16	33.8	48.86	16	33.8	F8 J	14	1701	E -24 1805
26		8.6R	38 10.336	-0.0004	18	-22 40 47.68	-0.007	18	0.33	10.343	16	33.8	47.76	16	33.8	KO J	14	1700	E -22 1277
27		9.3R	38 11.182	-0.0003	20	-27 4 31.34	0.022	20	0.35	11.188	16	33.8	31.70	16	33.8	F2 J	13B	1424	J -27 1325
28		9.0A	38 15.989	0.0003	20	-21 32 19.11	0.018	15	0.32	15.984	16	33.8	19.40	16	33.8	F5 J	13A	1031	A -21 672
29		9.0R	38 17.261	-0.0011	12	-23 4 33.27	-0.033	12	0.25	17.278	16	33.8	32.75	16	33.8	GO J	14	1702K	E -23 1503
30		9.4R	38 25.569	0.0057	17	-22 6 33.94	0.047	17	0.31	25.477	16	33.8	34.70	16	33.8	F8 J	14	1703	E -22 1280
31		9.4R	38 35.831	-0.0010	20	-23 17 58.40	0.006	20	0.35	35.847	16	33.8	58.50	16	33.8	A5 J	14	1704	E -23 1504
32		7.2T	38 44.748	-0.0036	13	-28 7 45.64	-0.034	12	0.66	44.929	15	99.6	43.89	17	97.8	KO	GC	4412	C -28 1241
33		9.2R	38 49.934	0.0017	15	-22 54 16.41	-0.032	15	0.29	49.907	16	33.8	15.90	16	33.8		14	1705	E -23 1506
34		9.3R	38 50.070	-0.0008	15	-22 56 27.68	-0.036	15	0.29	50.083	16	33.8	27.10	16	33.8	F2 J	14	1706	E -23 1509
35		8.9R	38 55.778	0.0003	15	-24 47 3.41	0.013	15	0.29	55.774	16	33.8	3.63	16	33.8	F8 J	14	1707	E -25 1503
36		9.3R	39 2.006	0.0022	18	-27 28 25.21	-0.026	18	0.33	1.970	16	33.8	24.79	16	33.8	F2 J	13B	1429	J -27 1331
37		9.3R	39 5.429	-0.0006	12	-22 17 41.71	0.004	12	0.25	5.472	16	33.8	41.81	16	33.8	GO J	14	1708	E -22 1286
38		9.4R	39 8.002	-0.0012	17	-28 4 53.68	0.054	17	0.31	8.022	16	33.8	54.56	16	33.8	G5 J	13B	1430	J -28 1243
39		9.2R	39 11.388	0.0014	12	-29 15 26.81	-0.023	12	0.25	11.365	16	33.8	26.41	16	33.8	KO J	13B	1433	J -29 1360
40		9.1R	39 15.390	0.0068	17	-28 4 51.86	-0.075	17	0.31	15.280	16	33.8	50.65	16	33.8	GO J	13B	1434	J -28 1244
41		8.4R	39 16.005	0.0021	17	-25 30 16.19	0.008	17	0.31	15.971	16	33.8	16.31	16	33.8	KO J	14	1709	E -25 1507
42		9.3R	39 21.219	0.0250	20	-23 6 54.81	-0.011	20	0.35	20.846	16	33.8	54.64	16	33.8	F5 J	14	1710	E -23 1508
43		9.4R	39 21.408	0.0000	17	-28 7 52.69	-0.092	17	0.31	21.408	16	33.8	51.21	16	33.8	GO J	13B	1435	J -28 1247
44		8.7A	39 23.729	0.0004	18	-20 31 36.12	-0.009	13	0.30	23.722	16	33.8	35.97	16	33.8	K2 J	13A	1040	A -20 690
45		9.3R	39 26.220	0.0019	15	-27 13 7.42	0.018	15	0.29	26.189	16	33.8	7.71	16	33.8	F5 J	13B	1436	J -27 1338
46		9.1R	39 30.045	0.0029	20	-28 25 59.60	0.033	20	0.35	29.999	16	33.8	+ 0.14	16	33.8	KO J	13B	1437	J -28 1248
47		8.7R	39 36.645	0.0017	20	-28 59 34.24	0.023	20	0.35	36.619	16	33.8	34.61	16	33.8	K5 J	13B	1438	J -29 1381
48		8.7R	39 45.551	-0.0000	17	-28 56 48.41	0.029	17	0.31	45.552	16	33.8	48.88	16	33.8	F8 J	13B	1440	J -29 1383
49		9.1R	39 45.701	0.0010	18	-23 15 45.51	0.010	18	0.33	45.684	16	33.8	45.68	16	33.8	MO J	14	1711	E -23 1518
50		8.3A	39 49.677	-0.0017	18	-21 23 44.36	-0.001	13	0.30	49.704	16	33.8	44.34	16	33.8	G5 J	13A	1042	A -21 674
51		6.8T	3 39 50.144	0.0125	14	-24 48 38.07	-0.026	13	0.73	49.516	17	99.7	36.71	18	97.2	F5	GC	4436	C -25 1513
52		8.3R	39 50.839	0.0023	15	-23 48 13.03	-0.022	15	0.29	50.802	16	33.8	12.67	16	33.8	AO J	14	1713	E -24 1820
53		8.5R	39 55.490	-0.0026	18	-23 24 20.17	-0.001	18	0.33	55.532	16	33.8	20.16	16	33.8	A2 J	14	1714	E -23 1522
54		9.0R	39 59.627	-0.0035	12	-22 36 9.59	0.022	12	0.25	59.684	16	33.8	9.94	16	33.8	GO J	14	1715	E -22 1288
55		8.9A	40 12.268	-0.0000	16	-20 50 16.85	0.037	13	0.30	12.288	16	33.8	17.44	16	33.8	K J	13A	1044	A -21 675
56		8.9A	40 13.626	-0.0005	20	-21 16 35.59	-0.056	15	0.32	13.834	16	33.8	36.50	16	33.8	FO J	13A	1045	A -21 676
57		9.6R	40 14.469	-0.0031	15	-23 9 12.30	-0.002	15	0.29	14.519	16	33.8	12.28	16	33.8	A7 J	14	1716	E -23 1526
58		9.0R	40 18.092	0.0001	12	-28 33 17.34	-0.064	12	0.25	18.092	16	33.8	16.31	16	33.8	GO J	13B	1444	J -28 1255
59		9.0R	40 20.030	-0.0033	16	-26 59 19.11	-0.022	16	0.33	20.083	16	33.8	18.76	16	33.8	G5 J	13B	1445	J -27 1351
60		8.4R	40 26.649	0.0024	15	-22 8 14.13	0.033	15	0.29	26.610	16	33.8	14.66	16	33.8	KO J	14	1717	E -22 1292
61		8.8A	40 26.662	-0.0025	20	-20 42 13.84	0.032	15	0.32	26.703	16	33.8	14.35	16	33.8	G5 J	13A	1047	A -21 677
62		9.4R	40 27.318	-0.0020	15	-24 51 52.93	-0.076	15	0.29	27.350	16	33.8	51.70	16	33.8	F5 J	14	1718	E -25 1519
63		8.5A	40 35.136	0.0060	20	-21 43 27.01	0.019	15	0.32	35.039	16	33.8	27.32	16	33.8	F5 J	13A	1050	A -22 658
64		8.7R	40 35.971	0.0031	18	-24 37 9.22	-0.377	18	0.33	35.920	16	33.8	3.12	16	33.8	K7 J	14	1719	E -24 1826
65		9.7R	40 36.625	0.0033	18	-23 34 37.87	-0.003	16	0.33	38.571	16	33.8	37.82	16	33.8	M J	14	1721	E -23 1530
66		8.4R	40 38.771	0.0003	18	-23 4 5.85	0.002	18	0.33	38.766	16	33.8	5.89	16	33.8	KO J	14	1720	E -23 1529
67		8.0R	40 59.770	0.0089	18	-26 8 1.13	0.003	18	0.33	59.659	16	33.8	1.17	16	33.8	KO J	14	1722	E -26 1398
68		9.1R	41 0.775	-0.0010	18	-25 55 36.80	-0.015	18	0.33	0.791	16	33.8	36.55	16	33.8	GO J	14	1723	E -26 1399
69		8.7R	41 6.105	0.0008	18	-22 26 21.30	-0.002	18	0.33	6.097	16	33.8	21.27	16	33.8	G5 J	14	1724	E -22 1293
70		8.8R	41 6.893	0.0025	12	-28 17 50.76	0.032	12	0.25	6.853	16	33.8	51.28	16	33.8	KO J	13B	1449	J -28 1257
71		9.0R	41 16.705	0.0024	12	-29 38 34.99	-0.033	12	0.25	16.666	16	33.8	34.46	16	33.8	F2 J	13B	1451	J -29 1391
72		9.3R	41 17.478	-0.0013	15	-26 30 43.61	0.001	15	0.29	17.499	16	33.8	43.63	16	33.8	A3 J	14	1726	E -26 1402
73		9.0R	41 17.602	0.0011	17	-29 31 55.61	0.011	17	0.31	17.584	16	33.8	55.79	16	33.8	GO J	13B	1452	J -29 1392
74		9.4R	41 19.728	0.0041	18	-24 47 14.59	-0.011	18	0.33	19.662	16	33.8	14.42	16	33.8	G5 J	14	1725	E -25 1522
75		9.2R	41 26.473	0.0114	20	-29 39 42.79	0.017	20	0.35	26.288	16	33.8	43.07	16	33.8	F8 J	13B	1453	J -29 1395
76		9.0R	41 34.836	-0.0004	15	-25 30 54.10	-0.036	15	0.29	34.842	16	33.8	53.51	16	33.8	G5 J	14	1728	E -25 1525
77		9.3R	41 42.188	0.0086	20	-27 6 16.02	0.179	20	0.35	42.080	16	33.8	18.92	16	33.8	FO J	13B	1454	J -27 1361
78		8.8R	41 42.605	-0.0008	17	-29 41 12.26	-0.150	17	0.31	42.618	16	33.8	9.83	16	33.8	F5 J	13B	1456	J -29 1399
79		8.6R	41 43.272	0.0008	15	-22 5 36.87	-0.016	15	0.29	43.259	16	33.8	37.13	16	33.8	FO J	14	1729	E -22 1297
80		9.1R	41 44.158	0.0040	17	-29 27 23.09	-0.016	17	0.31	44.094	16	33.8	22.83	16	33.8	KO J	13B	1457	J -29 1400
81		7.1T	41 54.438	0.0016	14	-28 47 6.83	-0.031	13	0.72	54.357	18	00.0	5.22	18	97.9	A2	GC	4478	C -29 1401
82		8.5A	41 54.773	0.0016	20	-21 42 58.35	0.012	15	0.32	54.748	16	33.8	58.55	16	33.8	KO J	13A	1055	A -22 664
83		8.7R	41 54.913	0.0012	18	-22 11 17.55	-0.003	18	0.33	54.894	16	33.8	17.50	16	33.8	GO J	14	1730	E -22 1300
84		9.0R	42 6.867	0.0039	15	-22 43 13.46	0.018	15	0.29	6.804	16	33.8	13.76	16	33.8	G5 J	14	1731	E -22 1302
85		8.2A	42 9.273	0.0015	18	-21 15 45.87	-0.004	13	0.30	9.248	16	33.8	45.80	16	33.8	K5 J	13A	1057	A -21 682
86		9.0R	42 25.213	0.0027	20	-27 43 55.03	-0.039	20	0.35	25.169	16	33.8	54.40	16	33.8	F5 J	13B	1462	J -27 1367
87		8.9R	42 25.243	0.0032	15	-25 19 24.46	0.015	15	0.29	25.191	16	33.8	24.71	16	33.8	K5 J	14	1732	E -25 1530
88		9.2R	42 31.890	-0.0010	17	-26 49 8.98	0.019	17	0.31	31.905	16	33.8	9.29	16	33.8	A7 J	14	1733	E -27 1368
89		9.2R	42 36.882	-0.0037	21	-27 31 42.17	-0.011	21	0.37	36.974	16	33.8	42.00	16	33.8	FO J	13B	1465	J -27 1369
90		7.9R	42 42.707	-0.0003	12	-23 32 9.81	-0.036	12	0.25	42.711	16	33.8	9.22	16	33.8	KO J	14	1734	E -23 1537
91		8.4A	42 45.246	0.0013	20	-21 44 22.26	0.045	15	0.32	45.225	16	33.8	22.99	16	33.8	F5 J	13A	1062	A -22 667
92		9.2R	42 53.136	-0.0002	15	-25 44 43.97	0.012	15	0.29	53.141	16	33.8	44.16	16	33.8	AO J	14	1735	E -25 1535
93		9.1R	42 56.222	0.0004	20	-25 53 26.97	0.042	20	0.35	56.215	16	33.8	27.64	16	33.8	K7 J	14	1736	E -26 1416
94		9.1R	42 57.926	0.0011	20	-27 11 16.11	-0.049	20	0.35	57.908	16	33.8	15.32	16	33.8	KO J	13B	1467	J -27 1370
95		9.0A	42 58.186	-0.0013	18	-21 27 36.29	0.007	13	0.30	58.186	16	33.8	36.40	16	33.8	GO J	13A	1063	A -21 687
96		9.0R	42 58.179	0.0053	20	-27 58 40.47	0.015	20	0.35	58.094	16	33.8	40.70	16	33.8	GO J	13B	1468	J -28 1270
97		8.1R	42 59.626	0.0001	17	-27 45 46.53	0.029	17	0.31	59.625	16	33.8	47.00	16	33.8	K2 J	13B	1469	J -28 1271
98		9.3R	43 1.262	-0.0006	20	-23 5 51.30	-0.007	20	0.35	1.271	16	33.8	51.18	16	33.8	A5 J	14	1738	E -23 1552
99		9.2R	43 1.478	-0.0016	12	-22 7 54.08	0.019	12	0.25	1.503	16	33.8	54.39	16	33.8	A5 J	14	1737	E -22 1307
00		9.2R	43 3.296	0.0020	18	-24 4 32.47	0.028	18	0.33	3.264	16	33.8	32.92	16	33.8	G5 J	14	1739	E -24 1850

168800			EPOCH 1950								ORIGINAL EPOCH							SP.	SOURCE		-20° 3H
NUMBER	MAGNITUDES m_{pg}	m_v	α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	σ'_μ ″.001	σ_{1950} ″	α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.		CAT.	STAR NUMBER	DM NUMBER
1		8.5R	3 43 5.832	-0.0001	20	-27 55 29.15	0.062	20	0.35	5.835	16	33.8	30.16	16	33.8	G5 J	13B	1471	J -28 1274
2		7.9A	43 7.291	-0.0034	18	-20 40 44.60	-0.007	13	0.30	7.346	16	33.8	44.48	16	33.8	A5 J	13A	1066	A -20 700
3		9.3R	43 10.320	0.0027	17	-29 4 22.44	0.007	17	0.31	10.276	16	33.8	22.56	16	33.8	K2 J	13B	1472	J -29 1408
4		8.7R	43 15.830	-0.0012	18	-22 29 54.72	0.022	18	0.33	15.850	16	33.8	55.08	16	33.8	K0 J	14	1740	E -22 1309
5		8.4R	43 17.605	0.0025	18	-22 16 7.77	-0.004	18	0.33	17.564	16	33.8	7.71	16	33.8	K0 J	14	1741	E -22 1310
6		8.7A	43 17.614	0.0037	18	-20 24 23.42	-0.010	13	0.30	17.554	16	33.8	23.27	16	33.8	G5 J	13A	1067	A -20 701
7		7.7R	43 18.694	0.0246	20	-28 1 11.29	0.162	20	0.35	18.297	16	33.8	13.91	16	33.8	K0 J	13B	1473	J -28 1276
8		8.9R	43 22.820	0.0012	17	-29 48 25.57	0.011	17	0.31	22.800	16	33.8	25.75	16	33.8	K0 J	13B	1475	J -30 1477
9		6.9T	43 26.521	-0.0017	10	-26 4 14.15	0.007	09	0.39	26.588	09	09.3	14.42	09	09.5	A3	GC	4514	C*-26 1423
10		9.1R	43 33.616	-0.0019	20	-25 46 28.38	-0.024	20	0.35	33.648	16	33.8	27.98	16	33.8	K0 J	14	1744	E -26 1426
11		9.1R	43 40.876	0.0071	20	-27 18 43.83	0.082	20	0.35	40.761	16	33.8	45.17	16	33.8	F2 J	13B	1477	J -27 1376
12		9.5R	43 47.315	0.0014	20	-22 16 21.58	0.066	20	0.35	47.293	16	33.8	22.65	16	33.8	G0 J	14	1745	E -22 1314
13		9.0A	43 53.870	0.0005	18	-21 14 29.81	-0.001	13	0.30	53.861	16	33.8	29.78	16	33.8	F5 J	13A	1072	A -21 694
14		9.0R	44 0.394	-0.0014	18	-23 14 15.97	-0.050	18	0.33	0.416	16	33.8	15.16	16	33.8	G5 J	14	1746	E -23 1562
15		8.2R	44 4.598	0.0007	18	-24 32 45.67	0.004	18	0.33	4.586	16	33.8	45.74	16	33.8	F8 J	14	1747	E -24 1861
16		8.7R	44 5.460	-0.0003	20	-25 41 10.34	0.003	20	0.35	5.465	16	33.8	10.38	16	33.8	M3 J	14	1748	E -25 1549
17		9.0A	44 8.317	0.0018	18	-20 58 51.02	-0.024	13	0.30	8.288	16	33.8	50.63	16	33.8	G5 J	13A	1073	A -21 695
18		8.9R	44 12.234	0.0023	18	-22 7 33.74	-0.048	18	0.33	12.196	16	33.8	32.97	16	33.8	A2 J	14	1749	E -22 1316
19		9.1R	44 21.789	-0.0008	18	-24 12 15.39	-0.037	18	0.33	21.802	16	33.8	14.79	16	33.8	A0 J	14	1750	E -24 1863
20		5.9T	44 25.013	0.0000	08	-29 29 32.61	0.014	07	0.46	25.012	17	94.9	33.45	17	91.3	A2	GC	4537K	C -29 1413
21		9.1R	44 25.381	-0.0004	21	-25 42 21.96	0.019	21	0.37	25.387	16	33.8	22.26	16	33.8	F8 J	14	1751	E -25 1552
22		9.5R	44 31.580	-0.0021	15	-23 49 13.62	-0.008	15	0.29	31.614	16	33.8	13.48	16	33.8	K0 J	14	1752	E -24 1865
23		7.3T	44 34.370	0.0007	13	-25 30 42.28	0.024	11	0.70	34.330	15	96.7	43.64	14	92.3	K0	GC	4543	C -25 1556
24		8.9R	44 35.323	-0.0028	20	-24 47 57.22	-0.035	20	0.35	35.367	16	33.8	56.66	16	33.8	G5 J	14	1754	E -25 1555
25		7.8T	44 36.914	-0.0015	13	-25 0 35.59	-0.014	12	0.69	36.992	14	96.9	34.81	14	92.7	K5	GC	4545	C -25 1557
26		9.0R	44 38.031	0.0030	20	-28 20 21.94	0.000	20	0.35	37.983	16	33.8	21.95	16	33.8	G5 J	13B	1481	J -28 1281
27		4.3H	44 41.716	-0.0118	02	-23 23 46.59	-0.527	02	0.06	42.132	03	14.8	28.74	03	16.1	F8	F4	140	C -23 1565
28		9.0R	44 42.012	0.0046	17	-26 46 22.76	0.068	17	0.31	41.938	16	33.8	23.87	16	33.8	G5 J	14	1757	E -27 1383
29		9.3R	44 46.555	0.0050	17	-27 27 34.20	0.049	17	0.31	46.474	16	33.8	34.98	16	33.8	G5 J	13B	1482	J -27 1386
30		8.8R	44 48.281	0.0008	20	-29 48 35.13	0.031	20	0.35	48.268	16	33.8	35.64	16	33.8	K0 J	13B	1485	J -30 1492
31		9.3R	44 51.228	0.0026	20	-27 9 12.43	-0.046	20	0.35	51.186	16	33.8	11.69	16	33.8	G5 J	13B	1484	J -27 1387
32		8.7R	44 55.858	-0.0004	20	-26 49 15.23	0.018	20	0.35	55.864	16	33.8	15.52	16	33.8	K0 J	14	1759	E -27 1389
33		8.4R	44 58.009	0.0013	20	-24 54 16.64	0.042	20	0.35	57.988	16	33.8	17.33	16	33.8	K5 J	14	1758	E -25 1563
34		9.2R	45 4.350	-0.0014	18	-22 9 52.73	0.065	18	0.33	4.373	16	33.8	53.79	16	33.8	F5 J	14	1760	E -22 1330
35		7.0T	45 20.068	0.0022	10	-29 37 18.05	-0.067	09	0.53	19.957	17	98.5	14.42	17	95.9	K0	GC	4563	C -29 1425
36		5.0T	45 30.513	0.0028	03	-24 1 42.50	0.050	03	0.16	30.378	06	02.4	44.97	06	00.6	A2	GC	4566	C*-24 1877
37		9.3R	45 32.288	-0.0015	15	-23 27 38.35	-0.010	15	0.29	32.313	16	33.8	38.19	16	33.8	K5 J	14	1762	E -23 1571
38		8.3R	45 32.806	0.0006	20	-27 20 15.23	0.034	20	0.35	32.796	16	33.8	15.79	16	33.8	K2 J	13B	1489	J -27 1394
39		8.9R	45 46.826	-0.0012	20	-24 10 37.21	0.007	20	0.35	46.846	16	33.8	37.32	16	33.8	K5 J	14	1763	E -24 1882
40		8.5R	45 52.767	0.0033	18	-23 21 1.35	0.002	18	0.33	52.713	16	33.8	1.39	16	33.8	F5 J	14	1764	E -23 1576
41		6.9T	45 53.129	-0.0015	09	-26 28 53.16	0.006	11	0.60	53.214	12	91.7	53.50	12	90.3	A2	GC	4577	C -26 1434
42		8.6A	45 56.971	-0.0007	20	-21 43 43.53	0.024	15	0.32	56.983	16	33.8	43.92	16	33.8	A5 J	13A	1082	A -22 680
43		8.5R	46 6.587	-0.0009	20	-26 53 51.63	0.021	20	0.35	6.600	16	33.8	51.97	16	33.8	K5 J	13B	1493	J -27 1400
44		8.5R	46 9.973	-0.0003	12	-22 20 44.65	0.009	12	0.25	9.977	16	33.8	44.80	16	33.8	K2 J	14	1766	E -22 1335
45		9.0A	46 10.628	0.0009	20	-20 33 54.47	0.055	15	0.32	10.614	16	33.8	55.35	16	33.8	F5 J	13A	1083	A -20 714
46		9.5R	46 10.849	0.0089	18	-22 33 33.38	-0.002	18	0.33	10.704	16	33.8	33.36	16	33.8	G5 J	14	1767	E -22 1336
47		8.9R	46 10.935	0.0019	18	-22 24 19.58	0.020	18	0.33	10.904	16	33.8	19.90	16	33.8	K0 J	14	1768	E -22 1337
48		9.0A	46 15.946	-0.0021	18	-20 42 11.91	0.001	13	0.30	15.980	16	33.8	11.93	16	33.8	M0 J	13A	1086	A -20 715
49		8.5R	46 17.753	-0.0015	15	-23 50 54.92	-0.022	15	0.29	17.728	16	33.8	54.56	16	33.8	K0 J	14	1769	E -24 1885
50		8.9R	46 19.018	-0.0031	18	-23 47 10.79	0.019	18	0.33	19.067	16	33.8	11.10	16	33.8	K0 J	14	1770	E -24 1886
51		6.1T	3 46 23.570	-0.0014	09	-21 3 18.02	-0.023	09	0.37	23.627	09	09.0	17.08	09	09.7	K0	GC	4593	-21 703
52		9.2R	46 35.275	0.0012	12	-25 19 24.00	0.007	12	0.25	35.255	16	33.8	24.12	16	33.8	K2 J	14	1771	E -25 1577
53		9.0A	46 36.598	0.0017	18	-21 27 10.52	0.022	13	0.30	36.570	16	33.8	10.87	16	33.8	G5 J	13A	1088	A -21 704
54		8.3R	46 41.034	0.0142	12	-28 37 8.23	0.056	12	0.25	40.805	16	33.8	9.14	16	33.8	G5 J	13B	1497	J -28 1289
55		8.8R	46 43.794	0.0015	12	-29 23 45.12	0.010	12	0.25	43.770	16	33.8	45.29	16	33.8	K0 J	13B	1499	J -29 1436
56		9.2R	46 46.318	0.0020	15	-25 16 45.40	-0.019	15	0.29	46.285	16	33.8	45.10	16	33.8	F2 J	14	1772	E -25 1580
57		9.1R	46 48.437	0.0064	18	-26 12 41.33	-0.022	18	0.33	48.333	16	33.8	41.68	16	33.8	G0 J	14	1773	E -26 1438
58		6.9T	46 54.025	-0.0038	14	-26 11 2.65	-0.017	12	0.69	54.217	17	00.1	1.73	18	96.9	F2	GC	4608	C*-26 1440
59		9.0R	47 3.231	0.0006	20	-25 4 53.05	-0.021	20	0.35	3.222	16	33.8	52.71	16	33.8	K5 J	14	1777	E -25 1584
60		8.7R	47 4.756	0.0032	12	-28 54 24.54	-0.008	12	0.25	4.705	16	33.8	24.42	16	33.8	K2 J	13B	1500	J -29 1437
61		9.1R	47 5.022	0.0034	18	-23 14 33.83	0.022	18	0.33	4.967	16	33.8	34.17	16	33.8	K0 J	14	1776	E -23 1583
62		8.9R	47 10.663	-0.0009	20	-27 42 18.35	-0.028	20	0.35	10.678	16	33.8	17.90	16	33.8	K0 J	13B	1502	J -27 1409
63		9.0A	47 11.361	-0.0004	18	-20 5 13.57	0.009	13	0.30	11.368	16	33.8	13.72	16	33.8	G5 J	13A	1095	A -20 716
64		9.0R	47 16.222	0.0034	20	-26 25 56.60	0.047	20	0.35	16.167	16	33.8	57.35	16	33.8	F8 J	14	1778	E -26 1442
65		8.3R	47 28.078	0.0008	20	-27 15 30.70	0.060	20	0.35	28.065	16	33.8	31.67	16	33.8	G5 J	13B	1503	J -27 1411
66		8.4A	47 32.723	0.0012	18	-20 34 39.88	0.016	13	0.30	32.704	16	33.8	40.13	16	33.8	G5 J	13A	1098	A -20 718
67		8.9A	47 39.047	0.0140	18	-20 12 20.58	-0.003	13	0.30	38.821	16	33.8	20.54	16	33.8	K2 J	13A	1099	A -20 719
68		8.2R	47 47.941	0.0012	15	-25 39 17.06	0.040	15	0.29	47.921	16	33.8	17.70	16	33.8	G5 J	14	1781	E -25 1593
69		8.8R	47 48.414	-0.0020	12	-22 6 19.76	-0.053	12	0.25	48.454	16	33.8	18.91	16	33.8	G0 J	14	1779	E -22 1347
70		9.4R	47 51.475	-0.0020	18	-23 17 12.18	0.008	18	0.33	51.507	16	33.8	12.32	16	33.8	G5 J	14	1782	E -23 1590
71		8.9R	47 52.017	0.0009	17	-24 0 54.46	0.012	17	0.31	52.002	16	33.8	54.65	16	33.8	G5 J	14	1783	E -24 1901
72		8.8R	47 54.725	-0.0010	12	-24 51 15.53	-0.009	12	0.25	54.741	16	33.8	15.39	16	33.8	K0 J	14	1784	E -25 1594
73		8.5R	48 2.624	-0.0007	18	-22 57 28.30	-0.002	18	0.33	2.634	16	33.8	28.26	16	33.8	K2 J	14	1785	E -23 1591
74		9.3R	48 3.145	0.0011	12	-28 44 22.59	-0.023	12	0.25	3.127	16	33.8	22.22	16	33.8	G0 J	13B	1505	J -28 1301
75		8.8R	48 6.603	0.0025	18	-25 55 18.82	-0.011	18	0.33	6.563	16	33.8	18.63	16	33.8	F2 J	14	1786	E -26 1449
76		9.3R	48 10.447	0.0061	15	-23 58 34.73	-0.240	15	0.29	10.348	16	33.8	30.84	16	33.8	K7 J	14	1787	E -24 1905
77		8.8R	48 11.874	-0.0012	12	-24 11 37.72	-0.017	12	0.25	11.894	16	33.8	37.44	16	33.8	F8 J	14	1788	E -24 1906
78		9.0A	48 13.983	-0.0006	18	-20 16 5.48	0.007	13	0.30	13.992	16	33.8	5.60	16	33.8	F0 J	13A	1103	A -20 722
79		9.1A	48 23.363	-0.0017	18	-20 48 9.01	-0.007	13	0.30	23.390	16	33.8	8.89	16	33.8	A0 J	13A	1104	A -19 711
80		8.6R	48 24.141	0.0012	12	-29 49 33.90	-0.013	12	0.25	24.121	16	33.8	33.70	16	33.8	K0 J	13B	1507	J -30 1515
81		9.3R	48 24.404	0.0005	15	-22 45 5.61	-0.024	15	0.29	24.396	16	33.8	5.23	16	33.8	F8 J	14	1789	E -22 1353
82		8.5R	48 30.017	0.0011	17	-26 45 3.94	0.062	17	0.31	30.000	16	33.8	4.95	16	33.8	G5 J	14	1790	E -26 1450
83		9.3R	48 34.085	0.0010	20	-27 15 35.63	0.030	20	0.35	34.068	16	33.8	36.12	16	33.8	F5 J	13B	1508	J -27 1421
84		8.7R	48 46.259	0.0041	18	-23 3 17.62	0.078	18	0.33	46.193	16	33.8	18.87	16	33.8	G0 J	14	1791	E -23 1595
85		8.2R	48 55.031	0.0007	18	-24 15 37.25	0.039	18	0.33	55.020	16	33.8	37.88	16	33.8	A2 J	14	1792	E -24 1914
86		7.5R	48 57.587	0.0014	12	-29 33 2.50	-0.032	12	0.25	57.565	16	33.8	1.99	16	33.8	K2 J	13B	1513	J -29 1448
87		9.2R	49 5.120	0.0033	12	-28 59 40.64	-0.001	12	0.25	5.068	16	33.8	40.63	16	33.8	G0 J	13B	1515	J -29 1449
88		6.6T	49 19.486	-0.0001	16	-21 25 45.51	-0.054	15	0.79	19.491	18	00.8	42.80	19	00.1	K0	GC	4660	-21 713
89		9.3R	49 19.520	0.0009	15	-23 6 22.30	-0.038	15	0.29	19.506	16	33.8	21.69	16	33.8	F8 J	14	1793	E -23 1599
90		9.1R	49 21.199	0.0029	17	-27 37 45.69	0.021	17	0.31	21.152	16	33.8	46.03	16	33.8	G0 J	13B	1517	J -27 1425
91		9.8R	49 21.989	0.0001	18	-24 49 32.30	-0.048	18	0.33	21.987	16	33.8	31.53	16	33.8	G0 J	14	1794	E -25 1612
92		9.3R	49 29.166	-0.0006	15	-24 11 5.40	0.032	15	0.29	29.175	16	33.8	5.91	16	33.8	K7 J	14	1795	E -24 1923
93		9.0R	49 31.938	0.0007	12	-29 42 22.95	0.010	12	0.25	31.927	16	33.8	23.12	16	33.8	G5 J	13B	1520	J -29 1455
94		9.7R	49 32.139	0.0032	21	-23 4 43.84	-0.060	18	0.35	32.087	16	33.8	42.88	16	33.8	G5 J	14	1796	E -23 1600
95		7.7R	49 32.724	-0.0008	17	-23 4 48.50	-0.012	17	0.31	32.737	16	33.8	48.32	16	33.8	G5 J	14	1797	E -23 1600
96		8.9A	49 41.163	0.0027	17	-21 22 39.96	0.066	12	0.28	41.119	16	33.8	41.02	16	33.8	F5 J	13A	1108	A -21 715
97		8.2R	49 48.074	-0.0057	12	-28 59 7.81	-0.069	12	0.25	48.167	16	33.8	6.70	16	33.8	F8 J	13B	1522	J -29 1456
98		8.8R	49 48.445	0.0008	15	-22 50 30.25	-0.036	15	0.29	48.432	16	33.8	29.66	16	33.8	G0 J	14	1799	E -23 1601
99		8.9R	49 50.006	0.0012	15	-22 21 42.76	0.036	12	0.27	49.987	16	33.8	43.34	16	33.8	G0 J	14	1800	E -22 1359
00		8.4R	49 51.766	-0.0001	15	-25 44 8.49	0.030	15	0.29	51.768	16	33.8	8.97	16	33.8	A0 J	14	1801	E -25 1617

168900 | EPOCH 1950 | ORIGINAL EPOCH | -20° 3H

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	DM NUMBER
1		8.5R	3 49 54.938	0.0070	18	-25 6 20.89	-0.017	18	0.33	54.824	16	33.8	20.62	16	33.8	G0 J	14	1802	E -25 1618
2		9.2R	49 56.291	0.0050	18	-24 43 47.12	-0.008	18	0.33	56.209	16	33.8	47.00	16	33.8	G0 J	14	1803	E -24 1928
3		9.0R	50 1.734	-0.0014	18	-24 33 34.16	0.003	18	0.33	1.756	16	33.8	34.21	16	33.8	K0 J	14	1804	E -24 1930
4		9.1R	50 3.005	0.0017	12	-28 12 57.23	0.044	12	0.25	2.978	16	33.8	57.93	16	33.8	G0 J	13B	1524	J -28 1312
5		8.8A	50 15.869	-0.0016	20	-21 19 4.65	0.001	15	0.32	15.895	16	33.8	4.66	16	33.8	F8 J	13A	1112	A -21 719
6		8.8R	50 19.873	0.0015	17	-26 4 44.65	0.054	17	0.31	19.848	16	33.8	45.52	16	33.8	K2 J	14	1805	E -26 1458
7		8.5A	50 20.198	-0.0024	20	-20 16 24.23	0.003	15	0.32	20.237	16	33.8	24.29	16	33.8	M0 J	13A	1113	A -20 727
8		8.8A	50 25.806	-0.0001	20	-20 58 20.74	-0.013	15	0.32	25.807	16	33.8	20.52	16	33.8	G5 J	13A	1114	A -21 722
9		8.8R	50 33.272	-0.0012	15	-22 2 3.67	0.055	15	0.29	33.292	16	33.8	4.56	16	33.8	F5 J	14	1807	E -22 1365
10		9.3R	50 36.407	0.0015	18	-26 57 29.68	0.028	18	0.33	36.382	16	33.8	30.14	16	33.8	G5 J	13B	1526	J -27 1433
11		9.3R	50 39.014	0.0016	12	-28 39 58.86	0.040	12	0.25	38.988	16	33.8	59.51	16	33.8	K0 J	13B	1528	J -28 1315
12		8.7R	50 39.126	0.0034	15	-23 5 29.21	-0.046	15	0.29	39.071	16	33.8	28.48	16	33.8	K5 J	14	1809	E -23 1610
13		7.2T	50 39.359	-0.0025	11	-22 25 28.53	0.040	11	0.64	39.492	17	96.2	30.72	17	95.3	F0	GC	4681	-22 697
14		9.0R	50 45.880	0.0101	12	-29 35 2.40	0.026	12	0.25	45.716	16	33.8	2.83	16	33.8	G5 J	13B	1529	J -29 1464
15		8.9R	50 46.016	0.0025	15	-23 2 42.78	-0.046	15	0.29	45.975	16	33.8	42.04	16	33.8	G5 J	14	1810	E -23 1611
16		9.2R	50 53.937	0.0049	15	-25 36 43.23	0.043	15	0.29	53.857	16	33.8	43.92	16	33.8	F5 J	14	1811	E -25 1622
17		8.8R	50 54.989	0.0004	15	-26 6 18.44	0.025	15	0.29	54.982	16	33.8	18.84	16	33.8	F8 J	14	1812	E -26 1460
18		9.0A	50 56.892	-0.0013	18	-20 3 16.03	0.001	13	0.30	56.913	16	33.8	16.05	16	33.8	K5 J	13A	1121	A -20 730
19		9.4R	51 1.207	0.0007	18	-25 28 15.51	0.032	18	0.33	1.196	16	33.8	16.03	16	33.8	G0 J	14	1813	E -25 1624
20		8.9A	51 8.654	0.0011	20	-20 21 30.63	0.004	15	0.32	8.637	16	33.8	30.70	16	33.8	F8 J	13A	1123	A -20 732
21		9.3R	51 17.887	0.0030	17	-28 41 31.24	-0.014	17	0.31	17.839	16	33.8	31.02	16	33.8	G5 J	13B	1531	J -28 1321
22		8.5A	51 18.388	-0.0015	17	-21 9 39.97	0.014	12	0.28	18.413	16	33.8	40.19	16	33.8	G0 J	13A	1124	A -21 727
23		9.4R	51 20.610	-0.0018	15	-23 53 8.38	0.027	15	0.29	20.638	16	33.8	8.81	16	33.8	F5 J	14	1814	E -24 1940
24		9.3R	51 29.400	0.0014	20	-27 17 20.24	0.010	20	0.35	29.378	16	33.8	20.41	16	33.8	G5 J	13B	1532	J -27 1437
25		4.8T	51 34.897	0.0014	04	-24 45 33.23	-0.014	04	0.20	34.828	07	00.2	32.53	07	98.8	B5	GC	4698	C*-24 1945
26		8.7R	51 35.178	0.0030	15	-25 58 21.34	-0.012	15	0.29	35.130	16	33.8	21.14	16	33.8	F5 J	14	1817	E -26 1464
27		8.8R	51 35.705	0.0061	12	-28 27 11.52	0.097	12	0.25	35.607	16	33.8	13.09	16	33.8	G0 J	13B	1534	J -28 1322
28		9.0R	51 36.067	-0.0007	18	-27 24 1.11	-0.019	18	0.33	36.078	16	33.8	0.80	16	33.8	K2 J	13B	1533	J -27 1439
29		6.8T	51 48.814	0.0240	11	-23 16 44.22	-0.257	11	0.60	47.553	14	97.4	30.34	14	95.9	G0	GC	4707	C*-23 1619
30		9.1R	51 49.711	0.0014	15	-23 35 10.66	0.007	15	0.29	49.687	16	33.8	10.77	16	33.8	K5 J	14	1819	E -23 1621
31		8.9R	51 58.038	-0.0009	20	-22 31 37.61	0.033	20	0.35	58.062	16	33.8	38.15	16	33.8	A5 J	14	1820	E -22 1382
32		9.1R	52 0.936	0.0022	15	-22 30 31.27	-0.023	15	0.29	0.901	16	33.8	30.90	16	33.8	F2 J	14	1821	E -22 1383
33		6.9T	52 13.334	0.0027	06	-27 48 56.07	0.038	06	0.28	13.222	10	08.5	57.76	12	06.0	A2	GC	4719	C -28 1326
34		9.3R	52 13.706	0.0013	18	-27 35 45.76	-0.016	18	0.33	13.685	16	33.8	45.50	16	33.8	F5 J	13B	1539	J -27 1444
35		9.2R	52 16.139	-0.0033	15	-21 58 59.09	-0.011	15	0.29	16.192	16	33.8	58.92	16	33.8	A2 J	14	1822	E -22 1384
36		8.7A	52 23.100	-0.0004	18	-20 36 24.77	-0.024	13	0.30	23.106	16	33.8	24.38	16	33.8	F5 J	13A	1131	A -20 735
37		9.5R	52 23.250	0.0033	15	-24 47 39.12	0.027	15	0.29	23.197	16	33.8	39.56	16	33.8	K5 J	14	1824	E -25 1635
38		8.1R	52 24.089	-0.0056	15	-25 2 11.10	-0.016	15	0.29	24.180	16	33.8	10.85	16	33.8	G0 J	14	1825	E -25 1637
39		8.6A	52 26.915	-0.0053	20	-20 49 48.28	-0.009	15	0.32	27.000	16	33.8	48.13	16	33.8	G5 J	13A	1132	A -21 731
40		8.5R	52 32.945	0.0003	12	-29 8 35.09	-0.010	12	0.25	32.941	16	33.8	34.93	16	33.8	K5 J	13B	1541	J -29 1477
41		8.6A	52 35.462	0.0019	18	-20 38 2.24	0.009	13	0.30	35.430	16	33.8	2.38	16	33.8	F0 J	13A	1135	A -20 737
42		9.0A	52 40.555	0.0002	18	-20 6 30.02	-0.012	13	0.30	40.553	16	33.8	29.84	16	33.8	K2 J	13A	1136	A -20 738
43		9.0R	52 40.688	0.0020	12	-29 23 10.72	0.000	12	0.25	40.655	16	33.8	10.72	16	33.8	M1 J	13B	1542	J -29 1479
44		9.0R	52 42.274	0.0037	18	-26 44 30.71	-0.030	18	0.33	42.213	16	33.8	30.23	16	33.8	G0 J	14	1826	E -26 1470
45		9.3R	52 55.459	0.0016	12	-21 56 55.08	-0.062	12	0.25	55.433	16	33.8	54.08	16	33.8	G0 J	14	1827	E -22 1393
46		9.0A	52 57.227	0.0024	18	-21 26 3.32	0.040	12	0.29	57.188	16	33.8	3.97	16	33.8	F5 J	13A	1138	A -21 733
47		8.5R	52 58.427	0.0060	17	-29 21 26.50	0.027	17	0.31	58.330	16	33.8	26.94	16	33.8	K0 J	13B	1543	J -29 1483
48		8.0R	53 0.157	0.0021	18	-25 1 33.69	0.122	18	0.33	0.123	16	33.8	35.67	16	33.8	F5 J	14	1828	E -25 1640
49		9.2R	53 1.822	0.0058	17	-29 32 32.40	0.063	17	0.31	1.729	16	33.8	33.42	16	33.8	G0 J	13B	1544	J -29 1484
50		7.4I	53 5.584	0.0030	26	-24 10 40.65	-0.007	26	1.17	5.448	22	05.2	40.33	22	05.2	M4E	GC	4733V	C*-24 1960
51		9.1R	3 53 5.985	-0.0007	20	-27 46 12.15	0.011	20	0.35	5.996	16	33.8	12.33	16	33.8	F8 J	13B	1545	J -27 1449
52		9.4R	53 8.709	0.0021	20	-26 21 13.62	0.029	20	0.35	8.676	16	33.8	14.08	16	33.8	F2 J	14	1830	E -26 1473
53		8.6A	53 10.815	0.0011	20	-21 43 0.23	0.029	15	0.32	10.798	16	33.8	0.70	16	33.8	A3 J	13A	1139	A -21 736
54		8.8R	53 12.805	0.0051	12	-27 52 26.75	-0.014	12	0.25	12.723	16	33.8	26.53	16	33.8	G0 J	13B	1547	J -28 1330
55		8.1R	53 16.392	0.0001	18	-26 41 22.91	0.002	18	0.33	16.390	16	33.8	22.95	16	33.8	K0 J	14	1831	E -26 1477
56		9.3R	53 16.925	-0.0005	20	-27 7 13.66	0.027	20	0.35	16.932	16	33.8	14.10	16	33.8	A0 J	13B	1548	J -27 1451
57		9.3R	53 24.065	-0.0043	18	-24 9 49.55	-0.001	18	0.33	24.135	16	33.8	49.53	16	33.8	G5 J	14	1833	E -24 1961
58		9.2R	53 25.910	-0.0005	12	-21 58 49.78	0.037	12	0.25	25.918	16	33.8	50.38	16	33.8	A0 J	14	1832	E -22 1396
59		8.6A	53 27.697	-0.0009	20	-21 44 29.31	-0.006	15	0.32	27.712	16	33.8	29.21	16	33.8	F0 J	13A	1143	A -22 712
60		7.5T	53 29.741	0.0024	13	-26 4 22.54	0.029	12	0.69	29.623	17	99.8	24.05	19	97.1	K2	GC	4737	C -26 1478
61		7.7R	53 30.862	-0.0008	12	-26 21 34.46	-0.010	12	0.25	30.876	16	33.8	34.29	16	33.8	K0 J	14	1837	E -26 1479
62		9.0R	53 33.806	-0.0003	17	-22 1 10.02	0.025	17	0.31	33.810	16	33.8	10.43	16	33.8	K5 J	14	1835	E -22 1397
63		9.4R	53 42.107	-0.0045	20	-26 8 50.99	-0.021	20	0.35	42.179	16	33.8	50.64	16	33.8	G0 J	14	1839	E -26 1481
64		9.1R	53 44.263	0.0023	20	-27 41 16.62	0.068	20	0.35	44.225	16	33.8	17.73	16	33.8	F8 J	13B	1551	J -27 1453
65		8.9R	53 46.700	0.0006	15	-23 41 43.45	-0.047	15	0.29	46.689	16	33.8	42.68	16	33.8	K0 J	14	1840	E -23 1641
66		9.4R	53 47.954	-0.0035	20	-23 11 17.11	-0.057	20	0.35	48.010	16	33.8	16.19	16	33.8	G0 J	14	1841	E -23 1640
67	10.2	8.9W	53 58.687	0.0027	21	-29 57 17.76	0.024	21	0.42	58.639	22	32.5	18.18	21	32.5	K2	C7	1423	C -30 1559
68		9.3R	53 58.898	-0.0022	12	-22 32 42.55	-0.002	12	0.25	58.933	16	33.8	42.51	16	33.8	G5 J	14	1842	E -22 1401
69		9.0A	54 2.033	-0.0008	18	-20 56 48.32	-0.013	13	0.30	2.046	16	33.8	48.10	16	33.8	G0 J	13A	1147	A -21 738
70		9.2A	54 2.266	-0.0013	18	-20 49 34.24	-0.003	12	0.29	2.287	16	33.8	34.18	16	33.8	A0 J	13A	1148	A -21 739
71		8.6R	54 2.694	0.0052	12	-23 34 10.77	-0.032	12	0.25	2.610	16	33.8	10.25	16	33.8	F8 J	14	1843	E -23 1642
72		8.9R	54 3.458	0.0017	17	-28 26 0.71	0.016	17	0.31	3.430	16	33.8	1.00	16	33.8	K5 J	13B	1554	J -28 1339
73		7.5T	54 9.989	0.0014	12	-29 48 14.76	-0.013	12	0.65	9.914	19	98.2	14.08	19	96.8	K0	GC	4750	C -30 1564
74		9.2R	54 13.195	0.0013	12	-28 32 37.12	0.019	12	0.25	13.175	16	33.8	37.43	16	33.8	M	J 13B	1556	J -28 1340
75		9.0R	54 15.891	0.0034	17	-28 34 5.15	0.023	17	0.31	15.837	16	33.8	5.52	16	33.8	F5 J	13B	1557	J -28 1342
76		8.9A	54 19.923	0.0009	20	-20 28 28.13	-0.060	15	0.32	19.908	16	33.8	27.17	16	33.8	K5 J	13A	1149	A -20 744
77		6.9T	54 21.556	0.0089	14	-25 19 17.06	-0.269	13	0.73	21.104	18	99.4	2.95	19	97.5	G0	GC	4755	C -25 1653
78		8.8R	54 42.302	-0.0012	18	-23 19 38.64	0.015	18	0.33	42.321	16	33.8	38.89	16	33.8	G0 J	14	1845	E -23 1646
79		9.2R	54 46.265	0.0020	18	-25 9 6.09	0.009	18	0.33	46.233	16	33.8	6.24	16	33.8	A0 J	14	1846	E -25 1657
80		8.5R	54 52.661	-0.0020	18	-26 53 32.13	-0.019	18	0.33	52.693	16	33.8	31.82	16	33.8	F8 J	13B	1561	J -27 1459
81		7.7R	54 53.273	-0.0011	18	-27 39 34.71	0.010	18	0.33	53.291	16	33.8	34.88	16	33.8	F8 J	13B	1562	J -27 1460
82		9.2A	54 53.840	0.0012	20	-21 18 8.64	0.028	13	0.31	53.819	16	33.8	9.08	16	33.8	K7 J	13A	1152	A -21 742
83		7.0R	55 4.740	0.0009	18	-24 46 29.81	0.019	18	0.33	4.725	16	33.8	30.12	16	33.8	A2 J	14	1847	E -24 1981
84		9.3R	55 7.594	0.0033	20	-23 39 48.79	-0.034	20	0.35	7.540	16	33.8	48.24	16	33.8	K5 J	14	1848	E -23 1650
85		9.5R	55 16.714	0.0008	15	-22 46 52.57	-0.004	15	0.29	16.701	16	33.8	52.51	16	33.8	M0 J	14	1849	E -23 1653
86		8.6R	55 25.246	0.0011	18	-25 52 55.53	-0.061	18	0.33	25.228	16	33.8	54.53	16	33.8	K0 J	14	1850	E -26 1495
87		9.2R	55 26.256	0.0001	15	-26 7 54.65	-0.023	15	0.29	26.255	16	33.8	54.27	16	33.8	F8 J	14	1851	E -26 1496
88		8.7A	55 31.001	0.0072	18	-20 24 43.50	0.102	13	0.30	30.885	16	33.8	45.16	16	33.8	K0 J	13A	1155	A -20 749
89		8.8R	55 39.723	0.0011	18	-22 37 7.33	-0.016	18	0.33	39.705	16	33.8	7.07	16	33.8	G5 J	14	1852	E -22 1408
90		8.5R	55 48.619	-0.0007	17	-28 0 52.96	0.027	17	0.31	48.631	16	33.8	53.40	16	33.8	K0 J	13B	1566	J -28 1353
91		9.2A	55 51.135	-0.0010	20	-21 39 0.54	0.009	15	0.32	51.152	16	33.8	0.69	16	33.8	G0 J	13A	1158	A -21 745
92		9.0R	55 57.539	-0.0014	18	-27 18 25.04	0.009	18	0.33	57.561	16	33.8	25.19	16	33.8	F5 J	13B	1567	J -27 1468
93		9.4R	56 2.314	0.0008	17	-26 55 55.24	0.091	17	0.31	2.301	16	33.8	56.73	16	33.8	F2 J	13B	1568	J -27 1469
94		8.8R	56 5.939	0.0021	18	-25 0 33.31	-0.025	18	0.33	5.905	16	33.8	32.91	16	33.8	K5 J	14	1854	E -25 1661
95		8.8R	56 6.834	0.0001	15	-24 4 54.21	-0.033	15	0.29	6.831	16	33.8	53.67	16	33.8	K0 J	14	1853	E -24 1996
96		9.6R	56 15.263	0.0025	20	-22 56 50.95	0.015	20	0.35	15.222	16	33.8	51.20	16	33.8	F5 J	14	1855	E -23 1658
97		8.6R	56 15.829	-0.0031	20	-26 15 3.76	0.038	20	0.35	15.880	16	33.8	4.36	16	33.8	G0 J	14	1856	E -26 1502
98		7.8R	56 25.894	-0.0001	15	-23 56 14.42	-0.018	15	0.29	25.895	16	33.8	14.12	16	33.8	A0 J	14	1857	E -24 2001
99		8.8R	56 30.696	-0.0007	15	-27 10 8.50	-0.006	15	0.29	30.707	16	33.8	8.41	16	33.8	F0 J	13B	1573	J -27 1477
00		9.1R	56 44.144	0.0025	20	-27 52 56.42	0.006	20	0.35	44.104	16	33.8	56.52	16	33.8	K5 J	13B	1576	J -28 1357

169000

EPOCH 1950												ORIGINAL EPOCH							SP.	SOURCE		-20° 3H
NUMBER	MAGNITUDES		α_{1950}	μ	σ_μ	δ_{1950}	μ'	σ'_μ	σ_{1950}		α_2	σ	ep.	δ_2	σ'	ep.			CAT.	STAR NUMBER	DM NUMBER
	m_{pg}	m_v	h m s	s	″.001	° ′ ″	″	″.001	″		s	″.01		″	″.01						
1		9.0A	3 56 47.498	-0.0081	17	-20 16 43.69	-0.164	12	0.28		47.629	16	33.8	41.04	16	33.8	G5	J	13A	1161	A -20 751
2		8.6R	56 48.085	0.0019	15	-23 17 4.72	-0.007	15	0.29		48.054	16	33.8	4.61	16	33.8	G0	J	14	1858	E -23 1666
3		9.3R	56 50.733	-0.0014	20	-24 51 44.38	-0.003	20	0.35		50.756	16	33.8	44.34	16	33.8	F8	J	14	1860	E -25 1664
4		9.0R	56 51.647	-0.0026	18	-23 28 28.94	-0.019	18	0.33		51.889	16	33.8	28.63	16	33.8	K2	J	14	1859	E -23 1668
5		8.6R	57 1.916	0.0023	20	-27 34 6.72	0.019	20	0.35		1.879	16	33.8	7.03	16	33.8	K2	J	13B	1580	J -27 1485
6		9.0R	57 4.121	-0.0013	20	-27 8 11.37	0.022	20	0.35		4.142	16	33.8	11.73	16	33.8	F2	J	13B	1581	J -27 1486
7		8.8R	57 8.379	0.0019	20	-29 42 0.38	-0.042	20	0.35		8.348	16	33.8	1.06	16	33.8	G0	J	13B	1582	J -29 1515
8		8.8A	57 12.983	-0.0008	18	-20 28 24.60	-0.035	15	0.31		12.996	16	33.8	24.04	16	33.8	K0	J	13A	1165	A -20 755
9		9.1A	57 13.207	0.0052	18	-21 45 4.69	0.014	13	0.30		13.124	16	33.8	4.92	16	33.8	G0	J	13A	1166	A -22 723
10		8.6R	57 23.812	0.0029	20	-26 3 4.81	0.008	20	0.35		23.766	16	33.8	4.93	16	33.8	F5	J	14	1861	E -26 1510
11		8.6R	57 24.928	0.0017	17	-28 54 53.98	0.062	17	0.31		24.901	16	33.8	54.99	16	33.8	F5	J	13B	1584K	J -29 1517
12		9.5R	57 26.592	0.0029	20	-28 41 52.48	0.014	20	0.35		26.546	16	33.8	52.71	16	33.8	G0	J	13B	1586	J -28 1360
13		9.0R	57 26.728	0.0003	20	-26 55 0.49	-0.114	20	0.35		26.722	16	33.8	-58.65	16	33.8	G0	J	13B	1583	J -27 1491
14		8.5R	57 35.303	0.0049	20	-29 28 44.95	-0.009	20	0.35		35.224	16	33.8	44.81	16	33.8	F5	J	13B	1587	J -29 1519
15		9.1R	57 36.945	-0.0020	18	-24 43 16.30	0.070	18	0.33		36.977	16	33.8	17.44	16	33.8	F5	J	14	1862	E -24 2018
16		8.7R	57 46.015	0.0014	18	-23 19 16.68	-0.147	18	0.33		45.992	16	33.8	14.30	16	33.8	G5	J	14	1863	E -23 1677
17		4.7T	57 47.470	0.0004	03	-24 9 25.12	0.011	03	0.18		47.449	06	01.7	25.67	06	00.6	A0P		GC	4801	C*-24 2022
18		9.0R	57 50.730	-0.0031	17	-29 52 3.83	-0.011	17	0.31		50.781	16	33.8	3.66	16	33.8	K5	J	13B	1588	J -30 1593
19		8.8R	57 51.711	0.0041	20	-25 28 25.75	0.034	20	0.35		51.645	16	33.8	26.31	16	33.8	G0	J	14	1865	E -25 1671
20		8.7R	57 58.256	0.0036	20	-27 24 22.33	0.016	20	0.35		58.198	16	33.8	22.59	16	33.8	K0	J	13B	1589	J -27 1493
21		9.1A	57 58.925	0.0005	18	-21 6 0.26	-0.000	13	0.30		58.917	16	33.8	0.25	16	33.8	K5	J	13A	1170	A -21 754
22		9.2R	58 1.899	0.0036	20	-29 10 39.00	0.079	20	0.35		1.842	16	33.8	40.28	16	33.8	K0	J	13B	1590	J -29 1522
23		8.5R	58 8.661	0.0012	18	-23 18 38.62	0.012	18	0.33		8.641	16	33.8	38.82	16	33.8	G5	J	14	1866	E -23 1684
24		9.0R	58 14.799	0.0010	18	-23 18 13.84	0.037	18	0.33		14.782	16	33.8	14.44	16	33.8	K5	J	14	1867	E -23 1686
25		8.9R	58 20.157	-0.0004	12	-27 49 46.83	-0.001	12	0.25		20.164	16	33.8	46.82	16	33.8	K2	J	13B	1592	J -28 1366
26		8.2R	58 20.960	-0.0052	20	-26 58 35.11	-0.012	20	0.35		21.044	16	33.8	34.92	16	33.8	G0	J	13B	1591	J -27 1497
27		8.2R	58 23.157	0.0011	12	-29 22 31.17	0.060	12	0.25		23.139	16	33.8	32.14	16	33.8	F0	J	13B	1593	J -29 1526
28		8.6A	58 41.243	0.0114	18	-20 28 25.82	-0.028	13	0.30		41.059	16	33.8	25.37	16	33.8	G5	J	13A	1172	A -20 758
29		8.0A	58 42.921	0.0002	18	-20 51 7.98	0.041	15	0.31		42.918	16	33.8	8.63	16	33.8	K0	J	13A	1173	A -21 758
30		9.0A	58 46.838	0.0011	17	-21 38 3.35	-0.010	12	0.28		46.821	16	33.8	3.19	16	33.8	K0	J	13A	1174	A -21 760
31		9.1R	58 50.047	0.0003	15	-27 29 53.79	0.059	15	0.29		50.042	16	33.8	54.76	16	33.8	G0	J	13B	1597	J -27 1502
32		9.0R	58 54.006	0.0000	15	-25 18 51.75	0.005	15	0.29		54.005	16	33.8	51.84	16	33.8	G5	J	14	1869	E -25 1679
33		8.7R	58 54.268	-0.0005	18	-23 25 22.08	0.006	18	0.33		54.276	16	33.8	22.19	16	33.8	K2	J	14	1868	E -23 1693
34		9.0A	58 57.859	-0.0015	20	-21 16 57.19	0.005	15	0.32		57.884	16	33.8	57.26	16	33.8	F8	J	13A	1175	A -21 761
35		8.5R	59 2.032	0.0040	12	-28 24 34.65	0.025	12	0.25		1.968	16	33.8	35.06	16	33.8	G0	J	13B	1598	J -28 1369
36		7.2T	59 2.197	0.0002	15	-22 24 53.62	0.019	15	0.77		2.186	18	00.1	54.57	18	99.8	F0		GC	4829	-22 727
37		8.9A	59 3.614	-0.0026	18	-21 28 6.78	0.041	13	0.30		3.656	16	33.8	7.43	16	33.8	G0	J	13A	1177	A -21 762
38		9.0R	59 6.279	-0.0008	18	-27 32 48.67	-0.019	18	0.33		6.292	16	33.8	48.35	16	33.8	F5	J	13B	1599	J -27 1503
39		9.6R	59 9.033	0.0006	15	-25 26 32.34	-0.026	15	0.29		9.023	16	33.8	31.93	16	33.8	G0	J	14	1871	E -25 1682
40		7.5T	59 15.882	0.0064	13	-26 39 20.08	0.017	12	0.68		15.558	17	99.1	21.00	18	97.4	F5		GC	4833	C -26 1521
41		9.5R	59 26.627	0.0026	15	-24 33 57.59	-0.014	15	0.29		26.585	16	33.8	57.37	16	33.8	K2	J	14	1873	E -24 2041
42		9.5R	59 32.252	0.0001	20	-23 14 26.36	-0.029	20	0.35		32.251	16	33.8	25.89	16	33.8	F8	J	14	1875	E -23 1698
43		8.8R	59 35.450	-0.0007	12	-27 51 15.00	0.015	12	0.25		35.461	16	33.8	15.25	16	33.8	F8	J	13B	1601	J -28 1372
44		8.6R	59 38.306	0.0004	12	-29 19 0.58	0.028	12	0.25		38.301	16	33.8	1.04	16	33.8	K0	J	13B	1602	J -29 1532
45		8.2A	59 39.924	0.0006	20	-20 36 48.70	0.008	15	0.32		39.914	16	33.8	48.82	16	33.8	G0	J	13A	1184	A -20 762
46		7.5T	59 44.003	-0.0006	13	-21 9 32.58	0.006	14	0.62		44.029	18	06.6	32.83	18	06.0	K2		GC	4840	-21 764
47		9.5R	59 50.834	-0.0001	20	-21 55 46.82	-0.004	20	0.35		50.835	16	33.8	46.76	16	33.8	K7	J	14	1876	E -22 1432
48		9.3R	59 52.891	-0.0017	12	-29 40 12.19	-0.014	12	0.25		52.919	16	33.8	11.97	16	33.8	F5	J	13B	1603	J -29 1533
49		9.5R	59 57.435	0.0013	18	-23 50 19.38	0.050	18	0.33		57.414	16	33.8	20.19	16	33.8	G0	J	14	1878	E -24 2045
50		9.2R	59 57.989	-0.0050	18	-21 47 19.76	0.020	18	0.33		58.070	16	33.8	20.09	16	33.8	G0	J	14	1877	E -22 1434
51		9.0R	4 0 9.551	0.0016	18	-24 34 58.15	-0.075	18	0.33		9.525	16	33.8	56.94	16	33.8	G5	J	14	1881	E -24 2049
52		7.5T	0 19.816	-0.0037	10	-28 40 5.47	-0.037	09	0.51		20.007	17	98.2	3.48	17	95.7	F8		GC	4859K	C*-28 1379
53		9.1R	0 27.398	0.0040	18	-26 46 7.78	-0.052	18	0.33		27.332	16	33.8	6.94	16	33.8	G0	J	14	1882	E -26 1528
54		9.0A	0 32.402	-0.0019	18	-20 1 27.79	-0.025	13	0.30		32.432	16	33.8	27.39	16	33.8	G0	J	13A	1189	A -20 766
55		9.0R	0 32.989	0.0037	20	-28 48 21.29	0.007	20	0.35		32.930	16	33.8	21.41	16	33.8	K0	J	13B	1609	J -29 1536
56		8.4A	0 33.875	-0.0051	20	-20 51 40.13	0.003	15	0.32		33.958	16	33.8	40.17	16	33.8	F8	J	13A	1191	A -21 765
57		9.1R	0 34.564	-0.0003	12	-22 6 52.92	0.000	12	0.25		34.568	16	33.8	52.92	16	33.8	G5	J	14	1883	E -22 1438
58		6.9T	0 37.600	0.0013	12	-22 43 50.77	-0.085	13	0.68		37.533	18	97.3	46.36	18	97.8	K0		GC	4865	B*-22 736
59		8.7R	0 38.547	0.0041	15	-27 8 1.91	0.001	15	0.29		38.480	16	33.8	1.93	16	33.8	K2	J	13B	1610	J -27 1516
60		7.4T	0 39.057	0.0079	11	-27 37 19.21	0.083	11	0.63		38.633	15	96.4	23.81	18	95.0	G0		GC	4866	C -27 1517
61		8.3A	0 41.982	0.0016	18	-20 38 36.01	-0.007	15	0.31		41.957	16	33.8	35.90	16	33.8	K2	J	13A	1194	A -20 767
62		9.0R	0 43.183	0.0022	12	-29 45 44.65	0.011	12	0.25		43.147	16	33.8	44.83	16	33.8	F8	J	13B	1613	J -29 1539
63		8.8R	0 43.288	-0.0017	12	-24 7 21.13	-0.018	12	0.25		43.315	16	33.8	20.83	16	33.8	K0	J	14	1885	E -24 2054
64		9.5R	0 46.554	0.0011	18	-27 3 55.44	-0.052	18	0.33		46.535	16	33.8	54.60	16	33.8	G5	J	13B	1612	J -27 1518
65		9.4R	0 47.432	-0.0018	15	-25 30 13.30	-0.000	15	0.29		47.461	16	33.8	13.29	16	33.8	G0	J	14	1886	E -25 1696
66		8.0A	0 56.542	-0.0019	18	-20 38 28.19	0.004	13	0.30		56.573	16	33.8	28.25	16	33.8	A0	J	13A	1195	A -20 768
67		9.2R	1 3.932	-0.0005	12	-28 5 32.92	0.079	12	0.25		3.940	16	33.8	34.20	16	33.8	F8	J	13B	1615	J -28 1385
68		7.9A	1 4.884	-0.0011	20	-21 33 17.76	0.009	15	0.32		4.901	16	33.8	17.91	16	33.8	K0	J	13A	1196	A -21 768
69		9.2R	1 8.801	-0.0032	20	-22 57 1.28	-0.199	20	0.35		8.852	16	33.8	-58.05	16	33.8	K5	J	14	1887	E -23 1712
70		9.3R	1 9.496	-0.0026	18	-24 27 58.46	0.018	18	0.33		9.537	16	33.8	58.75	16	33.8	K2	J	14	1888	E -24 2061
71		6.4T	1 12.419	-0.0002	11	-20 16 50.56	-0.013	14	0.71		12.430	21	95.7	49.91	19	98.2	B3		GC	4881	-20 769
72		9.3R	1 15.412	-0.0057	20	-22 18 54.71	-0.022	20	0.35		15.505	16	33.8	54.36	16	33.8	K5	J	14	1889	E -22 1446
73		8.8R	1 15.548	-0.0000	18	-26 9 7.84	-0.020	18	0.33		15.548	16	33.8	7.51	16	33.8	F5	J	14	1890	E -26 1533
74		9.0R	1 18.649	0.0004	13	-29 49 33.63	0.006	13	0.27		18.643	16	33.8	33.73	16	33.8	F2	J	13B	1617	J -30 1624
75		7.7T	1 21.831	0.0039	20	-24 35 47.69	-0.040	18	0.93		21.645	18	02.0	45.79	19	02.1	MB		GC	4885	C -24 2062
76		9.5R	1 22.907	-0.0001	20	-27 16 43.56	0.100	20	0.35		22.909	16	33.8	45.18	16	33.8	G5	J	13B	1618	J -27 1524
77		9.5R	1 24.001	0.0027	15	-25 0 15.92	0.015	15	0.29		23.958	16	33.8	16.17	16	33.8	K0	J	14	1892	E -25 1700
78		7.4T	1 24.448	0.0010	15	-20 17 41.74	0.007	14	0.71		24.402	21	03.9	42.09	21	02.9	K2		GC	4888	-20 770
79		8.8R	1 26.536	0.0009	18	-26 37 3.92	-0.046	18	0.33		26.521	16	33.8	3.18	16	33.8	F5	J	14	1893	E -26 1534
80		6.8T	1 28.507	-0.0002	13	-25 59 4.26	-0.011	12	0.68		28.519	18	99.3	3.65	18	96.8	K5		GC	4889	C -26 1535
81		8.5R	1 33.104	0.0012	20	-25 0 43.62	0.015	20	0.35		33.084	16	33.8	43.87	16	33.8	K5	J	14	1897	E -25 1702
82		9.0R	1 36.339	0.0010	18	-21 48 13.00	0.023	18	0.33		36.323	16	33.8	13.38	16	33.8	K2	J	14	1896	E -22 1451
83		8.6A	1 37.157	0.0043	18	-20 21 24.70	-0.006	13	0.30		37.088	16	33.8	24.61	16	33.8	K0	J	13A	1200	A -20 771
84		9.1A	1 48.318	0.0009	18	-20 14 52.70	0.013	15	0.31		48.303	16	33.8	52.92	16	33.8	K7	J	13A	1203	A -20 772
85		9.3R	1 49.134	0.0003	15	-25 28 2.04	0.066	15	0.29		49.129	16	33.8	3.12	16	33.8	G5	J	14	1898	E -25 1706
86		9.1R	2 3.538	-0.0009	18	-27 34 30.28	0.013	00	0.26		3.553	16	33.8	30.50	16	33.8	F5	J	13B	1621	J -27 1529
87		7.0A	2 5.363	-0.0011	18	-21 29 0.77	0.006	12	0.29		5.380	16	33.8	0.87	16	33.8	G5	J	13A	1205	A -21 771
88		9.0A	2 6.402	-0.0009	18	-20 44 48.25	0.019	13	0.30		6.416	16	33.8	48.56	16	33.8	M1	J	13A	1206	A -21 770
89		9.7R	2 7.257	0.0032	15	-23 22 14.98	-0.043	15	0.29		7.205	16	33.8	14.29	16	33.8	F2	J	14	1899	E -23 1721
90		9.3R	2 11.092	0.0011	15	-25 11 3.06	-0.029	15	0.29		11.075	16	33.8	2.60	16	33.8	F8	J	14	1900	E -25 1710
91		9.3A	2 16.062	-0.0004	20	-21 13 23.18	-0.009	15	0.32		16.068	16	33.8	23.03	16	33.8	G0	J	13A	1207	A -21 773
92		8.5R	2 19.590	-0.0004	15	-27 47 23.57	-0.071	15	0.29		19.597	16	33.8	22.43	16	33.8	G0	J	13B	1623	J -27 1530
93		9.0A	2 21.866	0.0038	18	-21 35 59.07	0.047	13	0.30		21.805	16	33.8	59.83	16	33.8	G0	J	13A	1208	A -21 774
94		9.3T	2 24.501	0.0037	14	-29 39 4.00	-0.036	12	0.69		24.322	22	02.3	2.22	21	00.4	F2		GC	4918	C -29 1555
95		6.3T	2 28.915	0.0016	13	-20 31 1.30	-0.008	13	0.66		28.841	21	03.4	0.90	19	01.8	K0		GC	4920	-20 774
96		8.4R	2 39.980	0.0013	12	-22 51 48.98	0.024	12	0.25		39.959	16	33.8	49.37	16	33.8	K0	J	14	1901	E -23 1729
97		9.0R	2 42.583	0.0058	20	-27 52 16.66	0.062	20	0.35		42.490	16	33.8	17.67	16	33.8	G0	J	13B	1627	J -28 1390
98		8.3R	2 43.013	-0.0006	20	-28 29 1.72	0.008	20	0.35		43.022	16	33.8	1.85	16	33.8	F2	J	13B	1629	J -28 1392
99		8.8A	2 47.525	0.0017	20	-20 57 55.37	-0.004	15	0.32		47.497	16	33.8	55.30	16	33.8	K5	J	13A	1211	A -21 775
00		8.4R	2 48.471	0.0051	15	-25 38 44.19	0.010	15	0.29		48.389	16	33.8	44.34	16	33.8	F5	J	14	1904	E -25 1714

169100

EPOCH 1950												ORIGINAL EPOCH						SP.	SOURCE		-20° 4H
NUMBER	MAGNITUDES m_{pg}	m_v	α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.		CAT.	STAR NUMBER	DM NUMBER
1		9.5R	4 2 48.849	0.0011	15	-25 5 25.02	0.004	15	0.29	48.830	16	33.8	25.09	16	33.8	KO J	14	1903	E -25 1713
2		8.5R	2 50.346	0.0020	17	-29 3 27.28	0.026	17	0.31	50.314	16	33.8	27.71	16	33.8	KO J	13B	1630	J -29 1559
3		9.3R	2 50.571	0.0015	20	-28 54 55.29	0.045	20	0.35	50.548	16	33.8	56.02	16	33.8	GO J	13B	1631	J -29 1560
4		8.0A	2 59.450	-0.0006	20	-21 35 15.38	-0.006	15	0.32	59.460	16	33.8	15.28	16	33.8	K2 J	13A	1212	A -21 777
5		9.2R	3 4.028	-0.0014	18	-22 14 47.39	0.007	18	0.33	4.051	16	33.8	47.51	16	33.8	F2 J	14	1905	E -22 1457
6		9.3R	3 11.438	0.0010	17	-26 59 0.25	-0.021	17	0.31	11.422	16	33.8	-59.91	16	33.8	K0 J	13B	1635	J -27 1538
7		8.9R	3 14.974	-0.0048	20	-28 29 9.93	0.010	20	0.35	15.052	16	33.8	10.08	16	33.8	G0 J	13B	1637	J -28 1396
8		9.1R	3 16.664	0.0025	18	-25 56 35.19	-0.078	18	0.33	16.624	16	33.8	33.92	16	33.8	F8 J	14	1906	E -26 1544
9		9.6R	3 24.980	-0.0005	17	-22 41 3.56	0.053	17	0.31	24.988	16	33.8	4.43	16	33.8	G0 J	14	1907	E -22 1461
10		5.8H	3 33.684	0.0149	02	-27 47 14.97	0.098	02	0.09	33.220	04	18.9	18.19	05	17.1	A5	F4	153	C -27 1540
11		6.4T	3 35.051	-0.0018	12	-20 38 48.02	0.013	13	0.70	35.148	22	95.9	48.69	21	97.9	G5	GC	4939	-20 780
12		9.2T	3 39.930	0.0014	12	-29 17 19.64	0.001	10	0.62	39.858	21	99.3	19.71	19	95.6	K5	GC	4942	C -29 1564
13		9.1R	3 40.802	-0.0075	21	-23 53 59.30	-0.087	21	0.37	40.924	16	33.8	57.89	16	33.8	A5 J	14	1908	E -24 2090
14		8.9R	3 44.430	-0.0016	13	-24 20 22.61	-0.022	18	0.30	44.456	16	33.8	22.25	16	33.8	A2 J	14	1910	E -24 2091
15		9.1R	3 44.583	-0.0001	21	-24 8 7.50	-0.011	21	0.37	44.585	16	33.8	7.32	16	33.8	F8 J	14	1909	E -24 2092
16		9.7R	3 47.486	0.0020	18	-23 35 2.99	-0.008	18	0.33	47.454	16	33.8	2.85	16	33.8	K0 J	14	1911	E -23 1735
17		8.8R	3 49.218	0.0037	15	-26 47 27.16	0.021	15	0.29	49.159	16	33.8	27.50	16	33.8	G0 J	14	1913	E -26 1549
18		8.0R	3 52.396	0.0018	17	-29 48 46.22	-0.040	17	0.31	52.366	16	33.8	45.58	16	33.8	M2 J	13B	1642	J -30 1642
19		9.1R	3 52.620	0.0025	17	-28 3 28.11	0.047	17	0.31	52.580	16	33.8	28.88	16	33.8	K0 J	13B	1641	J -28 1401
20		9.0R	3 52.906	-0.0008	18	-22 15 55.14	0.010	18	0.33	52.920	16	33.8	55.31	16	33.8	K0 J	14	1912	E -22 1464
21		9.1R	4 0.430	-0.0004	18	-25 53 37.81	0.030	18	0.33	0.436	16	33.8	38.29	16	33.8	F8 J	14	1915	E -26 1550
22		8.7R	4 2.865	0.0017	18	-23 24 50.44	0.016	18	0.33	2.838	16	33.8	50.71	16	33.8	G5 J	14	1914	E -23 1739
23		8.5R	4 3.740	-0.0017	18	-23 36 52.32	-0.022	18	0.33	3.767	16	33.8	51.96	16	33.8	K0 J	14	1916	E -23 1741
24		9.0R	4 8.016	0.0035	18	-22 40 8.54	0.007	18	0.33	7.960	16	33.8	8.66	16	33.8	G5 J	14	1917	E -22 1467
25		9.3R	4 10.629	0.0032	18	-21 59 6.93	-0.023	18	0.33	10.577	16	33.8	8.56	16	33.8	G5 J	14	1918	E -22 1468
26		9.3R	4 17.531	0.0018	15	-24 49 9.68	-0.025	15	0.29	17.502	16	33.8	9.28	16	33.8	K5 J	14	1919	E -25 1728
27		9.0R	4 22.368	0.0008	17	-27 27 5.88	0.064	17	0.31	22.355	16	33.8	6.93	16	33.8	K5 J	13B	1644	J -27 1547
28		9.0A	4 23.285	0.0027	18	-20 58 32.12	-0.769	13	0.30	23.241	16	33.8	19.66	16	33.8	K7 J	13A	1222	A -21 784
29		9.1R	4 32.045	0.0045	20	-28 40 20.89	0.083	20	0.35	31.972	16	33.8	22.24	16	33.8	G0 J	13B	1647	J -28 1405
30		9.2R	4 33.905	-0.0015	17	-27 48 6.36	0.000	17	0.31	33.929	16	33.8	6.37	16	33.8	A3 J	13B	1648	J -28 1406
31		8.6R	4 33.975	0.0165	18	-21 48 14.47	-0.075	18	0.33	33.707	16	33.8	13.26	16	33.8	G0 J	14	1920	E -22 1475
32		8.9A	4 36.028	0.0008	20	-20 36 40.25	0.020	15	0.32	36.014	16	33.8	40.57	16	33.8	G5 J	13A	1224	A -20 784
33		9.1R	4 36.655	-0.0012	20	-25 41 6.05	-0.043	20	0.35	36.675	16	33.8	5.35	16	33.8	F5 J	14	1921	E -25 1732
34		9.5R	4 39.976	0.0052	18	-27 41 22.05	-0.016	18	0.33	39.891	16	33.8	21.79	16	33.8	K0 J	13B	1649	J -27 1549
35		6.6T	4 48.105	0.0001	12	-22 7 37.10	-0.014	12	0.49	48.100	09	09.8	36.55	09	10.7	A3	GC	4961K	B#-22 754
36		9.3R	4 53.233	0.0022	12	-22 31 28.64	0.007	12	0.25	53.198	16	33.8	28.76	16	33.8	A3 J	14	1923	E -22 1479
37		8.6R	4 57.399	0.0019	18	-27 15 59.84	0.041	18	0.33	57.368	16	33.8	* 0.51	16	33.8	K0 J	13B	1651	J -27 1554
38		8.1T	5 3.175	0.0035	13	-28 56 38.63	0.023	12	0.67	2.998	18	99.8	39.81	19	99.0	F2	GC	4970K	C#-29 1569
39		9.0R	5 12.059	0.0003	18	-23 38 13.69	0.014	18	0.33	12.054	16	33.8	13.91	16	33.8	K2 J	14	1924	E -23 1754
40		9.4R	5 14.364	0.0019	18	-26 35 36.22	0.049	18	0.33	14.333	16	33.8	37.03	16	33.8	G5 J	14	1925	E#-26 1562
41		9.0T	5 17.234	0.0010	12	-28 49 23.43	-0.032	11	0.64	17.162	21	99.3	21.72	19	96.0	G0	GC	4974	C -29 1572
42		8.4T	5 17.772	-0.0052	17	-27 33 19.14	-0.285	17	0.84	18.026	19	01.2	5.53	19	01.6	K0	GC	4975	C -27 1560
43		8.9R	5 18.279	-0.0019	15	-25 50 20.77	-0.037	15	0.29	18.309	16	33.8	20.16	16	33.8	K0 J	14	1927	E -26 1563
44		9.2R	5 18.699	-0.0007	15	-23 53 10.46	-0.012	15	0.29	18.671	16	33.8	10.26	16	33.8	F5 J	14	1926	E -24 2102
45		8.4R	5 18.927	-0.0015	17	-26 25 56.81	0.048	17	0.31	18.952	16	33.8	57.58	16	33.8	F5 J	14	1928	E -26 1564
46		8.7R	5 21.225	0.0009	15	-24 52 33.44	-0.007	15	0.29	21.210	16	33.8	33.33	16	33.8	K0 J	14	1929	E -25 1735
47		9.3R	5 29.516	0.0031	20	-27 49 31.36	-0.016	20	0.35	29.466	16	33.8	31.11	16	33.8	K2 J	13B	1655	J -28 1414
48		9.5R	5 29.769	0.0025	20	-23 29 23.70	0.002	20	0.35	29.728	16	33.8	23.74	16	33.8	K0 J	14	1930	E -23 1757
49	10.2	10.1W	5 30.127	-0.0029	21	-29 56 13.59	0.061	21	0.43	30.179	22	32.0	14.68	21	32.0	F8	C7	1504	C -30 1657
50		9.0R	5 38.595	0.0014	18	-23 14 13.60	-0.002	18	0.33	38.571	16	33.8	13.58	16	33.8	A0 J	14	1931	E -23 1758
51		9.5R	4 5 39.932	0.0012	20	-25 20 24.66	0.018	20	0.35	39.912	16	33.8	24.96	16	33.8	G0 J	14	1933	E -25 1737
52		8.7R	5 40.231	0.0004	18	-23 56 23.36	0.033	18	0.33	40.225	16	33.8	23.89	16	33.8	A2 J	14	1932	E -24 2109
53		9.4R	5 47.719	0.0058	18	-24 17 1.47	-0.015	18	0.33	47.624	16	33.8	1.22	16	33.8	K0 J	14	1934	E -24 2110
54		8.1R	5 48.773	-0.0017	12	-27 41 47.19	-0.018	12	0.25	48.801	16	33.8	46.90	16	33.8	K2 J	13B	1657	J -27 1564
55		9.2R	5 52.658	0.0026	15	-24 37 41.93	0.064	15	0.29	52.616	16	33.8	42.81	16	33.8	G5 J	14	1935	E -24 2112
56		9.5R	6 0.242	0.0021	18	-26 48 33.39	0.009	18	0.33	0.208	16	33.8	33.55	16	33.8	G0 J	14	1936	E -26 1565
57		9.0A	6 1.829	0.0016	12	-20 19 1.71	-0.001	09	0.25	1.803	16	33.8	1.70	16	33.8	K5 J	13A	1230	A -20 788
58		9.0R	6 3.743	0.0047	20	-28 39 26.53	0.008	20	0.35	3.668	16	33.8	26.66	16	33.8	F8 J	13B	1660	J -28 1415
59		9.6R	6 6.004	0.0014	18	-26 48 54.64	-0.092	18	0.33	5.981	16	33.8	53.15	16	33.8	F5 J	14	1938	E -26 1569
60		8.1R	6 6.605	0.0011	18	-25 31 26.46	0.018	18	0.33	6.587	16	33.8	26.76	16	33.8	K2 J	14	1937	E -25 1738
61		8.5A	6 10.355	0.0026	20	-21 15 37.62	0.001	12	0.30	10.314	16	33.8	37.63	16	33.8	G5 J	13A	1232	A -21 791
62		8.7A	6 13.086	-0.0037	20	-20 37 27.69	0.014	15	0.32	13.146	16	33.8	27.91	16	33.8	K0 J	13A	1233	A -20 790
63		9.3R	6 15.217	0.0009	12	-22 1 41.49	0.002	12	0.25	15.203	16	33.8	41.53	16	33.8	A5 J	14	1940	E -22 1486
64		9.4R	6 28.796	-0.0003	15	-22 3 57.71	0.020	15	0.29	28.800	16	33.8	58.03	16	33.8	F5 J	14	1941	E -22 1488
65		8.9R	6 39.093	0.0022	12	-29 26 17.71	0.009	12	0.25	39.058	16	33.8	17.86	16	33.8	K0 J	13B	1665	J -29 1583
66		9.2R	6 41.748	-0.0006	12	-24 54 58.79	-0.023	12	0.25	41.758	16	33.8	58.42	16	33.8	G0 J	14	1943	E -25 1745
67		9.6R	6 43.682	0.0017	15	-25 40 42.80	0.014	15	0.29	43.655	16	33.8	43.02	16	33.8	G5 J	14	1944	E -25 1746
68		8.9R	6 44.138	0.0010	12	-21 58 9.38	-0.091	12	0.25	44.122	16	33.8	7.91	16	33.8	F5 J	14	1942	E -22 1490
69		8.5A	6 54.014	-0.0005	00	-20 24 27.99	-0.016	15	0.23	54.023	16	33.8	27.74	16	33.8	K0 J	13A	1244	A -20 792
70		8.0T	6 54.207	0.0026	14	-25 8 54.96	0.006	13	0.73	54.075	18	99.7	55.29	19	98.2	K2	GC	5002	C -25 1748
71		7.8T	6 56.186	-0.0024	17	-29 2 22.77	-0.040	13	0.77	56.279	21	02.5	20.78	19	99.9	F2	GC	5005	C -29 1587
72		8.7Q	6 58.410	-0.0009	10	-20 50 5.02	-0.021	08	0.45	58.453	15	02.7	3.94	15	99.3	K0	GC	5006	-21 797
73		9.1R	7 0.611	0.0053	17	-29 22 46.71	0.016	17	0.31	0.726	16	33.8	46.97	16	33.8	G0 J	13B	1668	J -29 1589
74		9.2R	7 5.585	0.0028	17	-24 7 6.80	0.004	17	0.31	5.539	16	33.8	6.86	16	33.8	K2 J	14	1946	E -24 2120
75		9.1A	7 7.159	0.0016	18	-20 32 45.12	0.084	13	0.30	7.133	16	33.8	46.47	16	33.8	G5 J	13A	1246	A -20 793
76		8.0R	7 16.327	0.0005	12	-28 55 12.66	-0.048	12	0.25	16.320	16	33.8	11.89	16	33.8	K2 J	13B	1670	J -29 1592
77		8.4R	7 21.002	0.0018	17	-27 56 25.60	0.006	17	0.31	20.974	16	33.8	25.70	16	33.8	F5 J	13B	1672	J -28 1423
78		9.5R	7 21.139	0.0031	20	-22 9 40.36	-0.044	20	0.35	21.089	16	33.8	39.65	16	33.8	K2 J	14	1947	E -22 1494
79		7.7R	7 26.910	0.0035	18	-26 9 4.96	-0.036	18	0.33	26.853	16	33.8	4.37	16	33.8	K2 J	14	1948	E -26 1575
80		9.5R	7 43.231	-0.0005	12	-25 31 42.39	-0.021	12	0.25	43.240	16	33.8	42.24	16	33.8	F8 J	14	1950	E -25 1751
81		9.2R	7 45.501	0.0041	12	-22 25 4.50	0.050	12	0.25	45.435	16	33.8	5.31	16	33.8	G0 J	14	1949	E -22 1495
82		9.4R	7 45.639	0.0021	15	-24 53 13.78	-0.012	15	0.29	45.605	16	33.8	13.59	16	33.8	F8 J	14	1951	E -25 1752
83		8.9R	7 47.543	-0.0019	13	-28 49 58.94	0.012	13	0.27	47.574	16	33.8	59.14	16	33.8	G0 J	13B	1673	J -29 1593
84		9.1A	7 50.780	0.0007	20	-21 37 48.48	0.053	15	0.32	50.769	16	33.8	49.34	16	33.8	K2 J	13A	1254	A -21 801
85		7.0T	7 52.872	0.0061	13	-25 10 19.32	0.011	12	0.69	52.558	15	98.8	19.92	17	96.9	K0	GC	5026	C -25 1754
86		9.1R	7 57.712	0.0003	18	-27 46 8.85	0.023	18	0.33	57.708	16	33.8	9.23	16	33.8	A0 J	13B	1674	J -27 1577
87		8.7R	8 5.834	-0.0015	18	-25 32 55.28	-0.016	18	0.33	5.858	16	33.8	55.01	16	33.8	K0 M	14	1954	E -25 1756
88		9.3R	8 6.955	-0.0023	20	-25 16 50.96	0.002	20	0.35	6.992	16	33.8	51.00	16	33.8	G5 J	14	1956	E -25 1757
89		9.2R	8 7.002	-0.0000	15	-25 7 9.88	0.020	15	0.29	7.003	16	33.8	10.21	16	33.8	K0 J	14	1955	E -25 1758
90		8.9R	8 10.032	0.0023	12	-28 35 48.81	0.035	12	0.25	9.995	16	33.8	49.38	16	33.8	K2 J	13B	1675	J -28 1431
91		9.0R	8 16.440	-0.0007	18	-27 28 17.62	-0.024	18	0.33	16.450	16	33.8	17.22	16	33.8	K0 J	13B	1676	J -27 1580
92		9.0R	8 18.599	0.0006	20	-25 54 4.93	0.023	20	0.35	18.590	16	33.8	5.29	16	33.8	F8 J	14	1957	E -26 1580
93		8.0R	8 24.953	0.0001	20	-26 10 51.44	0.008	20	0.35	24.952	16	33.8	51.56	16	33.8	G5 J	14	1958	E -26 1582
94		8.5R	8 30.272	0.0007	18	-26 44 14.44	-0.053	18	0.33	30.132	16	33.8	13.58	16	33.8	G5 J	14	1959	E -26 1583
95		9.5R	8 35.211	-0.0045	21	-24 20 3.48	-0.010	21	0.37	35.283	16	33.8	3.31	16	33.8	G5 J	14	1960	E -24 2134
96		7.8R	8 36.061	-0.0023	15	-25 33 10.34	-0.152	15	0.29	36.099	16	33.8	7.87	16	33.8	F5 J	14	1961	E -25 1762
97		9.2R	8 38.449	0.0018	18	-26 43 31.32	-0.029	18	0.33	38.420	16	33.8	30.86	16	33.8	K0 J	14	1963	E -26 1584
98		7.3T	8 38.835	-0.0037	13	-25 13 26.64	-0.050	11	0.67	39.025	17	98.1	23.83	18	93.3	F8	GC	5041	C#-25 1763
99		8.8R	8 39.267	0.0011	13	-29 43 16.82	-0.024	13	0.27	39.249	16	33.8	16.44	16	33.8	G0 J	13B	1678	J -29 1653
00		9.0R	8 49.847	0.0010	12	-23 30 54.65	-0.008	12	0.25	49.830	16	33.8	54.52	16	33.8	F0 J	14	1964	E -23 1788

169200 — -20° 4H

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	EPOCH 1950 μ s	σ_μ ″.001	EPOCH 1950 δ_{1950} ° ′ ″	EPOCH 1950 μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	DM NUMBER
1		8.4A	4 8 52.527	-0.0001	18	-20 10 48.19	0.002	13	0.30	52.529	16	33.8	48.23	16	33.8	M2 J	13A	1259	A -20 798
2		8.2R	8 52.832	0.0017	13	-29 10 58.49	-0.014	13	0.27	52.805	16	33.8	58.27	16	33.8	G0 J	13B	1679	J -29 1606
3		8.7R	8 56.477	0.0025	12	-29 6 59.17	0.034	12	0.25	56.436	16	33.8	59.73	16	33.8	G5 J	13B	1680	J -29 1607
4		9.3R	9 2.721	-0.0004	18	-27 4 14.18	-0.041	18	0.33	2.729	16	33.8	13.52	16	33.8	G5 J	13B	1682	J -27 1590
5		8.3A	9 22.494	0.0030	20	-20 28 10.17	0.040	15	0.32	22.446	16	33.8	10.82	16	33.8	F2 J	13A	1261	A -20 800
6		5.8T	9 24.344	0.0020	09	-20 29 6.27	0.038	09	0.39	24.267	14	11.3	7.85	12	08.7	A0	GC	5055	-20 801
7		8.8R	9 27.171	0.0092	15	-26 53 28.60	-0.135	15	0.29	27.022	16	33.8	26.42	16	33.8	G0 J	13B	1683	J -27 1594
8		9.2R	9 29.208	-0.0043	15	-27 12 51.56	0.010	15	0.29	29.278	16	33.8	51.73	16	33.8	A3 J	13B	1684	J -27 1595
9		8.8A	9 33.313	0.0025	15	-21 32 39.88	0.004	11	0.26	33.273	16	33.8	39.95	16	33.8	A3 J	13A	1263	A -21 809
10		9.1R	9 34.070	0.0037	15	-24 47 45.08	-0.015	15	0.29	34.010	16	33.8	44.84	16	33.8	G0 J	14	1966	E -24 2142
11		9.4R	9 43.923	0.0020	12	-22 14 23.75	-0.014	12	0.25	43.891	16	33.8	23.53	16	33.8	K2 J	14	1967	E -22 1509
12		9.0A	9 52.723	0.0006	18	-20 36 39.45	0.024	13	0.30	52.714	16	33.8	39.83	16	33.8	K5 J	13A	1267	A -20 802
13		8.6R	9 53.552	0.0003	00	-26 15 3.93	-0.008	18	0.26	53.548	16	33.8	3.79	16	33.8	F5 J	14	1969	E -26 1591
14		9.1R	9 54.607	-0.0010	18	-25 45 25.10	-0.024	18	0.33	54.623	16	33.8	24.70	16	33.8	G0 J	14	1970	E -25 1774
15		9.0R	9 56.726	0.0036	18	-27 40 46.55	0.045	18	0.33	56.668	16	33.8	47.28	16	33.8	G0 J	13B	1685	J -27 1599
16		8.9R	10 2.773	0.0010	12	-28 34 7.36	-0.036	12	0.25	2.757	16	33.8	6.78	16	33.8	G5 J	13B	1688	J -28 1450
17		9.1R	10 10.136	0.0008	17	-24 2 8.20	0.016	17	0.31	10.123	16	33.8	8.46	16	33.8	K5 J	14	1971	E -24 2145
18		9.1R	10 15.023	0.0053	18	-27 11 8.59	0.026	18	0.33	14.938	16	33.8	9.01	16	33.8	F5 J	13B	1689	J -27 1602
19		8.0R	10 28.939	-0.0001	17	-29 13 38.18	0.030	17	0.31	28.940	16	33.8	38.67	16	33.8	A5 J	13B	1694	J -29 1615
20		9.1R	10 31.262	-0.0005	18	-27 3 28.85	-0.033	18	0.33	31.271	16	33.8	28.32	16	33.8	G0 J	13B	1692	J -27 1605
21		8.9R	10 31.527	-0.0000	17	-28 6 40.10	-0.012	17	0.31	31.528	16	33.8	39.89	16	33.8	K2 J	13B	1695	J -28 1453
22		9.0R	10 34.224	0.0025	17	-26 56 11.51	-0.012	17	0.31	34.183	16	33.8	11.32	16	33.8	K0 J	13B	1696	J -29 1617
23		9.6R	10 34.546	-0.0100	17	-21 56 17.13	0.020	17	0.31	34.709	16	33.8	17.46	16	33.8	K0 J	14	1972	E -22 1512
24		8.9A	10 34.867	0.0019	20	-20 2 42.29	-0.018	15	0.32	34.836	16	33.8	42.01	16	33.8	K5 J	13A	1271	A -20 805
25		9.4R	10 36.484	0.0053	20	-23 27 57.43	0.003	20	0.35	36.398	16	33.8	57.48	16	33.8	F0 J	14	1973	E -23 1807
26		9.3R	10 36.509	-0.0004	15	-24 30 0.37	0.009	15	0.29	36.515	16	33.8	0.52	16	33.8	F8 J	14	1974	E -24 2151
27		9.1R	10 37.638	0.0023	18	-24 1 23.89	-0.008	18	0.33	37.600	16	33.8	23.75	16	33.8	K0 J	14	1975	E -24 2152
28		9.1R	10 40.437	-0.0006	20	-24 55 24.85	0.036	20	0.35	40.447	16	33.8	25.44	16	33.8	A2 J	14	1977	E -25 1781
29		6.7T	10 40.615	-0.0014	12	-23 56 52.90	-0.010	11	0.63	40.686	15	97.8	52.33	17	93.5	K2	GC	5082	C -24 2153
30		8.6A	10 41.713	0.0027	18	-21 29 45.24	-0.006	13	0.30	41.668	16	33.8	45.13	16	33.8	K0 J	13A	1272	A -21 812
31		6.6T	10 55.169	-0.0024	12	-23 15 15.76	-0.019	11	0.64	55.298	18	97.1	14.67	17	94.4	F0	GC	5092K	C#-23 1810
32		8.4R	10 58.351	-0.0025	18	-26 33 45.37	0.095	18	0.33	58.390	16	33.8	46.91	16	33.8	F8 J	14	1979	E -26 1597
33		7.4T	10 59.024	0.0070	17	-28 40 2.57	0.061	14	0.81	58.683	18	01.5	5.77	19	97.8	F8	GC	5094K	C#-28 1457
34		8.6R	11 6.463	0.0021	18	-25 25 10.31	-0.008	18	0.33	6.429	16	33.8	10.19	16	33.8	K0 J	14	1981	E -25 1783
35		9.3R	11 9.589	-0.0024	12	-22 15 13.33	0.033	12	0.25	9.628	16	33.8	13.87	16	33.8	F2 J	14	1980	E -22 1517
36		9.1R	11 11.931	0.0014	12	-29 32 1.51	0.016	12	0.25	11.909	16	33.8	1.77	16	33.8	F2 J	13B	1700	J -29 1626
37		9.4R	11 22.871	-0.0046	20	-22 7 0.62	-0.012	20	0.35	22.945	16	33.8	0.43	16	33.8	K5 J	14	1982	E -22 1522
38		8.8R	11 26.289	0.0033	15	-21 50 45.51	-0.109	15	0.29	26.235	16	33.8	43.75	16	33.8	F5 J	14	1983	E -22 1523
39		7.5R	11 31.635	0.0031	18	-25 39 18.13	0.027	18	0.33	31.585	16	33.8	18.56	16	33.8	K0 J	14	1985	E -25 1786
40		9.7R	11 32.479	-0.0016	18	-23 56 43.61	-0.043	18	0.33	32.505	16	33.8	42.91	16	33.8	K0 J	14	1984	E -24 2162
41		9.3R	11 34.268	0.0035	18	-27 47 41.19	-0.055	18	0.33	34.211	16	33.8	40.31	16	33.8	K0 J	13B	1703	J -27 1609
42		9.4R	11 36.263	0.0036	15	-24 43 2.79	0.001	15	0.29	36.205	16	33.8	2.81	16	33.8	F5 J	14	1986	E -24 2166
43		9.0R	11 41.572	0.0012	17	-22 37 35.99	-0.048	17	0.31	41.553	16	33.8	35.22	16	33.8	A0 J	14	1987	E -22 1524
44		9.2R	11 46.781	0.0021	12	-29 25 9.17	0.024	12	0.25	46.748	16	33.8	9.56	16	33.8	G0 J	13B	1704	J -29 1630
45		9.3R	11 51.815	0.0004	17	-23 59 47.27	-0.064	17	0.31	51.809	16	33.8	46.23	16	33.8	F5 J	14	1988	E -24 2170
46		9.2R	11 53.801	-0.0003	12	-29 18 53.60	0.005	12	0.25	53.806	16	33.8	53.69	16	33.8	F5 J	13B	1705	J -29 1631
47		9.0A	11 56.459	0.0019	18	-21 12 18.09	0.109	13	0.30	56.429	16	33.8	19.85	16	33.8	G0 J	13A	1279	A -21 815
48		8.8R	12 2.092	-0.0009	17	-29 12 0.51	0.014	17	0.31	2.107	16	33.8	0.74	16	33.8	G5 J	13B	1706	J -29 1633
49		7.6R	12 4.964	-0.0000	12	-24 19 49.69	0.016	12	0.25	4.964	16	33.8	49.95	16	33.8	A5 J	14	1989	E -24 2171
50		9.5R	12 5.922	0.0074	18	-26 59 50.85	0.032	18	0.33	5.802	16	33.8	51.36	16	33.8	K0 J	13B	1707	J -27 1610
51		9.5R	4 12 7.407	0.0020	18	-23 49 19.34	-0.018	18	0.33	7.375	16	33.8	19.05	16	33.8	G0 J	14	1990	E -24 2174
52		9.1R	12 9.557	-0.0031	20	-27 13 50.46	-0.015	20	0.35	9.606	16	33.8	50.22	16	33.8	F0 J	13B	1709	J -27 1612
53		9.6R	12 10.613	-0.0055	20	-23 24 37.36	-0.005	20	0.35	10.702	16	33.8	37.28	16	33.8	F2 J	14	1991	E -23 1821
54		8.8A	12 14.029	0.0030	18	-20 56 57.74	-0.059	13	0.30	13.980	16	33.8	56.78	16	33.8	K0 J	13A	1280	A -21 816
55		9.2R	12 15.395	0.0008	12	-22 5 7.37	-0.007	12	0.25	15.382	16	33.8	7.26	16	33.8	K5 J	14	1992	E -22 1530
56		9.1R	12 18.023	0.0033	12	-28 27 29.65	0.003	12	0.25	17.970	16	33.8	29.70	16	33.8	K5 J	13B	1711	J -28 1466
57		9.5R	12 25.238	0.0006	18	-22 4 37.84	0.010	18	0.33	25.228	16	33.8	38.01	16	33.8	K2 J	14	1994	E -22 1531
58		9.3R	12 32.012	-0.0011	20	-27 26 24.33	-0.021	20	0.35	32.030	16	33.8	23.99	16	33.8	G5 J	13B	1713	J -27 1614
59		8.9R	12 34.061	-0.0031	12	-29 48 21.25	-0.041	12	0.25	34.111	16	33.8	20.59	16	33.8	F5 J	13B	1714	J -29 1636
60		9.1R	12 40.943	-0.0015	18	-24 47 46.39	-0.051	18	0.33	40.967	16	33.8	45.57	16	33.8	F8 J	14	1996	E -24 2181
61		9.4R	12 41.369	0.0005	15	-24 16 56.11	0.003	15	0.29	41.361	16	33.8	56.15	16	33.8	F0 J	14	1995	E -24 2180
62		8.8R	12 45.530	0.0036	15	-25 8 7.14	-0.056	15	0.29	45.472	16	33.8	6.24	16	33.8	G5 J	14	1997	E -25 1795
63		9.3R	12 56.024	0.0024	18	-27 31 35.64	0.062	18	0.33	55.985	16	33.8	36.65	16	33.8	G0 J	13B	1716	J -27 1619
64		9.3R	12 58.192	0.0025	12	-22 6 37.31	-0.018	12	0.25	58.152	16	33.8	37.02	16	33.8	G0 J	14	1998	E -22 1536
65		8.8A	12 59.481	0.0013	18	-20 6 48.34	-0.023	13	0.30	59.461	16	33.8	47.98	16	33.8	K5 J	13A	1285	A -20 812
66		9.1R	13 3.491	0.0032	20	-25 40 5.54	0.060	20	0.35	3.440	16	33.8	6.50	16	33.8	G5 J	14	1999	E -25 1799
67		9.6R	13 8.684	-0.0029	18	-24 8 14.07	0.006	18	0.33	8.731	16	33.8	14.16	16	33.8	G5 J	14	2000	E -24 2187
68		8.2R	13 12.831	0.0046	12	-29 2 34.59	0.087	12	0.25	12.757	16	33.8	36.00	16	33.8	K0 J	13B	1719	J -29 1641
69		8.7R	13 13.794	0.0023	20	-29 4 9.73	-0.017	20	0.35	13.757	16	33.8	9.46	16	33.8		13B	1720	J -29 1643
70		8.9R	13 27.406	0.0053	15	-24 10 57.11	-0.009	15	0.29	27.321	16	33.8	56.96	16	33.8	G5 J	14	2003	E -24 2191
71		9.0R	13 28.774	-0.0002	15	-22 37 32.32	0.001	15	0.29	28.777	16	33.8	32.34	16	33.8	G0 J	14	2002	E -22 1543
72		8.7R	13 34.876	0.0026	17	-28 31 9.96	-0.013	17	0.31	34.834	16	33.8	9.75	16	33.8	K2 J	13B	1723	J -28 1474
73		6.6T	13 38.242	0.0025	09	-23 21 43.13	0.022	10	0.57	38.097	15	91.4	44.37	17	92.3	A2	GC	5157	C -23 1836
74		6.8T	13 42.388	-0.0020	14	-22 16 27.78	-0.035	14	0.74	42.487	17	99.6	26.00	18	99.1	A2	GC	5159	-22 787
75		9.0R	13 51.061	0.0053	18	-27 38 10.94	-0.060	18	0.33	50.975	16	33.8	9.97	16	33.8	G5 J	13B	1725	J -27 1628
76		8.6R	13 51.453	0.0039	17	-24 7 55.74	0.059	17	0.31	51.390	16	33.8	56.69	16	33.8	F2 J	14	2006	E -24 2195
77		8.5T	13 51.478	0.0037	13	-24 37 47.09	0.088	12	0.67	51.298	22	01.1	51.58	21	99.1	G5	GC	5165	C -24 2194
78		9.1A	13 53.292	0.0020	15	-21 47 5.25	0.004	11	0.26	53.260	16	33.8	5.32	16	33.8	G5 J	13A	1291	A -22 789
79		9.6R	13 54.191	-0.0092	18	-22 35 14.11	-0.058	18	0.33	54.339	16	33.8	13.16	16	33.8	G5 J	14	2008	E -22 1547
80		9.2A	13 56.985	-0.0009	20	-21 19 48.34	0.002	15	0.32	56.998	16	33.8	48.36	16	33.8		13A	1292	A -21 825
81		8.3R	14 1.004	-0.0010	13	-22 41 6.60	-0.002	13	0.27	1.020	16	33.8	6.57	16	33.8	K0 J	14	2009	E -22 1549
82		8.7R	14 2.358	-0.0043	12	-29 16 42.77	0.001	12	0.25	2.427	16	33.8	42.79	16	33.8	A2 J	13B	1726	J -29 1647
83		9.1R	14 5.990	0.0004	18	-25 34 57.83	-0.021	18	0.33	5.984	16	33.8	57.48	16	33.8	A2 J	14	2010	E -25 1811
84		9.0R	14 8.633	-0.0004	18	-24 54 41.84	-0.021	18	0.33	8.639	16	33.8	41.51	16	33.8	G5 J	14	2011	E -25 1812
85		9.2R	14 12.529	-0.0040	17	-28 54 57.96	-0.013	17	0.31	12.594	16	33.8	57.75	16	33.8	G0 J	13B	1727	J -29 1648
86		8.7R	14 16.158	-0.0009	12	-29 51 48.85	0.008	12	0.25	16.173	16	33.8	48.98	16	33.8	K0 J	13B	1729	J -30 1725
87		9.2R	14 18.633	-0.0018	18	-24 3 16.19	-0.012	18	0.33	18.661	16	33.8	15.99	16	33.8	K0 J	14	2012	E -24 2200
88		8.3A	14 19.505	0.0013	18	-20 50 5.83	-0.015	13	0.30	19.483	16	33.8	5.58	16	33.8	K2 J	13A	1294	A -21 826
89		8.1R	14 21.667	-0.0010	12	-23 39 24.14	0.018	12	0.25	21.683	16	33.8	24.43	16	33.8	K0 J	14	2014	E -23 1841
90		9.3R	14 21.753	-0.0019	18	-23 4 21.46	0.024	18	0.33	21.783	16	33.8	21.86	16	33.8	G0 J	14	2013	E -23 1840
91		9.3R	14 24.497	-0.0011	15	-27 8 38.86	0.001	15	0.29	24.515	16	33.8	38.89	16	33.8	A0 J	13B	1731	J -27 1630
92		8.9R	14 30.172	0.0051	17	-28 32 1.55	0.087	17	0.31	30.090	16	33.8	2.96	16	33.8	G5 J	13B	1734	J -28 1476
93		9.3R	14 40.939	0.0010	12	-26 53 12.15	-0.123	12	0.25	40.923	16	33.8	10.16	16	33.8	G5 J	13B	1735	J -27 1634
94		8.6R	14 43.919	0.0032	17	-29 24 35.91	0.014	17	0.31	43.868	16	33.8	36.14	16	33.8	A2 J	13B	1736	J -29 1652
95		9.5R	14 48.704	0.0009	18	-23 0 35.27	-0.028	18	0.33	48.690	16	33.8	34.82	16	33.8	K0 J	14	2015	E -23 1844
96		9.4R	14 49.817	0.0039	17	-24 5 18.69	0.012	17	0.31	49.754	16	33.8	18.88	16	33.8	G0 J	14	2016	E -24 2207
97		9.5R	14 52.462	-0.0002	20	-29 43 0.57	0.024	20	0.35	52.465	16	33.8	0.97	16	33.8	A5 J	13B	1738	J -29 1653
98		8.9R	14 54.279	0.0008	18	-27 43 15.85	-0.005	18	0.33	54.266	16	33.8	15.77	16	33.8	K0 J	13B	1737	J -27 1636
99		7.7R	14 55.692	0.0034	20	-29 0 57.85	-0.058	20	0.35	55.637	16	33.8	56.91	16	33.8	A2 J	13B	1739	J -29 1654
00		8.6R	14 58.069	-0.0002	15	-24 56 24.46	-0.003	15	0.29	58.072	16	33.8	24.42	16	33.8	K5 J	14	2018	E -25 1817

169300			EPOCH 1950							ORIGINAL EPOCH						SP.	SOURCE		-20° 4H
NUMBER	MAGNITUDES m_{pg}	m_v	α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.		CAT.	STAR NUMBER	DM NUMBER
1		9.1R	4 14 58.176	-0.0019	13	-22 26 27.65	0.067	13	0.27	58.207	16	33.8	26.94	16	33.8	G5 J	14	2017	E -22 1555
2		9.0A	15 6.672	0.0003	20	-21 8 10.85	0.025	15	0.32	6.667	16	33.8	11.25	16	33.8	G0 J	13A	1298	A -21 828
3		9.2R	15 8.870	0.0029	15	-24 33 41.28	-0.038	15	0.29	8.823	16	33.8	40.67	16	33.8	G0 J	14	2019	E -24 2212
4		9.4R	15 14.589	-0.0028	18	-25 15 11.70	-0.047	18	0.33	14.635	16	33.8	10.94	16	33.8	G5 J	14	2020	E -25 1820
5		9.0R	15 18.092	0.0039	20	-25 26 32.27	0.016	20	0.35	18.029	16	33.8	32.54	16	33.8	G0 J	14	2021	E -25 1821
6		9.4R	15 25.091	0.0038	18	-27 47 36.81	-0.012	18	0.33	25.029	16	33.8	36.62	16	33.8	G5 J	13B	1742	J -27 1642
7		8.4A	15 27.934	0.0001	15	-21 22 18.69	0.015	11	0.26	27.931	16	33.8	18.93	16	33.8	K0 J	13A	1302	A -21 829
8		8.5R	15 33.526	-0.0008	18	-23 55 10.61	0.034	18	0.33	33.539	16	33.8	11.16	16	33.8	K0 J	14	2022	E -24 2218
9		9.0A	15 36.205	0.0001	18	-20 0 15.67	0.006	13	0.30	36.203	16	33.8	15.77	16	33.8	A0 J	13A	1303	A -20 819
10		9.0R	15 38.710	-0.0006	12	-29 30 12.44	0.009	12	0.25	38.719	16	33.8	12.59	16	33.8	F0 J	13B	1744	J -29 1656
11		9.5R	15 39.393	0.0011	18	-22 39 43.68	0.007	18	0.33	39.375	16	33.8	43.80	16	33.8	A2 J	14	2023	E -22 1563
12		9.6R	15 46.057	0.0036	18	-22 29 12.01	-0.011	18	0.33	46.000	16	33.8	11.83	16	33.8	F2 J	14	2024	E -22 1564
13		9.3R	15 48.322	-0.0026	18	-27 19 58.21	0.008	18	0.33	48.365	16	33.8	58.34	16	33.8	F8 J	13B	1745	J -27 1644
14		9.0R	15 49.755	0.0113	18	-26 6 1.02	0.106	18	0.33	49.573	16	33.8	2.72	16	33.8	G5 J	14	2025	E -26 1618
15		9.0R	15 57.405	0.0022	17	-28 34 6.00	-0.004	17	0.31	57.369	16	33.8	5.94	16	33.8	K0 J	13B	1747	J -28 1485
16		8.3R	15 59.466	0.0053	15	-24 10 56.40	0.078	15	0.29	59.381	16	33.8	57.66	16	33.8	F8 J	14	2026	E -24 2222
17		6.4T	16 5.079	-0.0013	17	-20 50 11.49	0.013	14	0.79	5.142	21	01.8	12.13	19	99.9	MB	GC	5202	-21 831
18		8.7R	16 9.486	-0.0003	15	-22 52 46.98	0.000	15	0.29	9.491	16	33.8	46.99	16	33.8	G5 J	14	2027	E -23 1854
19		9.5R	16 11.095	0.0015	15	-25 25 31.12	0.012	15	0.29	11.070	16	33.8	31.32	16	33.8	G0 J	14	2028	E -25 1829
20		8.8A	16 16.398	-0.0112	20	-20 52 10.75	-0.051	15	0.32	16.579	16	33.8	9.92	16	33.8	G0 J	13A	1307	A -21 832
21		8.6R	16 19.090	0.0039	18	-25 37 34.76	-0.018	18	0.33	19.027	16	33.8	34.46	16	33.8	G0 J	14	2031	E -25 1830
22		9.6R	16 19.586	0.0029	18	-23 54 45.12	0.051	18	0.33	19.539	16	33.8	45.94	16	33.8	G0 J	14	2029	E -24 2228
23		9.0A	16 24.582	0.0006	15	-21 14 49.71	-0.032	11	0.26	24.571	16	33.8	49.18	16	33.8	K2 J	13A	1308	A -21 833
24		8.8A	16 27.875	0.0012	20	-20 26 46.45	-0.021	15	0.32	27.856	16	33.8	46.12	16	33.8	K2 J	13A	1309	A -20 824
25		6.1T	16 29.153	0.0030	09	-23 5 27.51	0.030	08	0.52	28.985	17	93.3	29.37	15	88.9	A3	GC	5211	C -23 1856
26		8.7R	16 33.949	-0.0008	18	-24 35 46.85	-0.012	18	0.33	33.962	16	33.8	46.66	16	33.8	K0 J	14	2033	E -24 2230
27		8.7R	16 36.699	0.0033	12	-28 17 47.69	-0.019	12	0.25	36.646	16	33.8	47.37	16	33.8	F8 J	13B	1749	J -28 1485
28		9.1R	16 45.400	0.0024	17	-29 1 10.40	0.003	17	0.31	45.362	16	33.8	10.45	16	33.8	A2 J	13B	1753	J -29 1665
29		8.4R	16 48.240	0.0015	18	-24 16 27.83	-0.026	18	0.33	48.215	16	33.8	27.41	16	33.8	K0 J	14	2034	E -24 2232
30		9.0R	16 49.412	0.0028	20	-28 51 50.83	0.000	20	0.35	49.368	16	33.8	50.83	16	33.8	K0 J	13B	1754	J -29 1667
31		8.6R	16 49.560	0.0014	18	-26 51 12.45	-0.031	18	0.33	49.537	16	33.8	11.95	16	33.8	F8 J	14	2036	E -27 1650
32		9.4R	16 53.429	-0.0012	15	-22 10 52.92	0.037	15	0.29	53.449	16	33.8	53.52	16	33.8	K0 J	14	2035	E -22 1573
33		9.1R	16 58.552	0.0019	18	-24 34 37.73	0.102	18	0.33	58.520	16	33.8	37.77	16	33.8	K5 J	14	2037	E -24 2235
34		9.3R	17 5.461	0.0013	18	-27 6 23.21	0.182	18	0.33	5.440	16	33.8	24.55	16	33.8	G0 J	13B	1755	J -27 1654
35		9.2R	17 6.826	-0.0001	18	-23 32 0.82	0.062	18	0.33	6.827	16	33.8	1.82	16	33.8	F8 J	14	2038	E -23 1866
36		8.8R	17 11.992	0.0007	12	-28 6 20.32	-0.006	12	0.25	11.981	16	33.8	20.23	16	33.8	K0 J	13B	1756	J -28 1491
37		8.0R	17 14.190	0.0038	18	-27 23 30.51	-0.044	18	0.33	14.128	16	33.8	29.80	16	33.8	K5 J	13B	1758	J -27 1656
38		9.4R	17 24.011	-0.0006	18	-24 23 22.86	0.008	18	0.33	24.020	16	33.8	22.99	16	33.8	K0 J	14	2040	E -24 2243
39		9.2R	17 26.613	0.0046	20	-27 27 37.87	0.018	20	0.35	26.539	16	33.8	38.16	16	33.8	F5 J	13B	1759	J -27 1660
40		7.6R	17 30.050	0.0078	20	-26 4 36.46	0.021	20	0.35	29.904	16	33.8	36.79	16	33.8	F0 J	14	2041	E -26 1629
41		8.9R	17 31.627	-0.0024	17	-28 38 58.57	0.018	17	0.31	31.666	16	33.8	58.87	16	33.8	G0 J	13B	1761	J -28 1495
42		8.0R	17 33.513	0.0021	20	-28 54 21.65	0.115	20	0.35	33.480	16	33.8	23.51	16	33.8	G0 J	13B	1762	J -29 1672
43		8.8R	17 35.863	0.0044	20	-25 0 26.11	0.044	20	0.35	35.792	16	33.8	26.83	16	33.8	F5 J	14	2042	E -25 1841
44		6.9T	17 36.927	0.0018	05	-25 8 37.62	0.017	05	0.24	36.846	09	05.7	38.43	09	05.3	K2	GC	5248	C*-25 1842
45		8.7R	17 41.351	0.0012	18	-22 55 51.15	0.023	18	0.33	41.331	16	33.8	51.52	16	33.8	K0 J	14	2044	E -23 1872
46		9.0A	17 42.886	-0.0075	20	-20 49 20.34	-0.006	12	0.30	43.007	16	33.8	20.25	16	33.8	G5 J	13A	1315	A -21 837
47		8.8R	17 47.221	-0.0031	18	-22 48 15.35	-0.024	18	0.33	47.271	16	33.8	14.97	16	33.8	G5 J	14	2045	E -22 1579
48		9.1R	17 52.589	-0.0027	21	-21 59 8.03	0.041	21	0.37	52.633	16	33.8	8.70	16	33.8	F8 J	14	2046	E -22 1581
49		9.3R	18 0.917	0.0010	18	-24 22 33.04	0.004	18	0.33	0.900	16	33.8	33.10	16	33.8	K0 J	14	2047	E -24 2249
50		7.8A	18 15.730	0.0038	20	-21 27 13.87	-0.017	15	0.32	15.668	16	33.8	13.59	16	33.8	G5 J	13A	1317	A -21 842
51		8.3A	4 18 17.492	0.0037	20	-21 20 11.78	0.015	15	0.32	17.432	16	33.8	12.02	16	33.8	G5 J	13A	1318	A -21 843
52		8.5R	18 18.310	-0.0018	20	-24 45 45.96	0.017	20	0.35	18.339	16	33.8	46.24	16	33.8	K0 J	14	2048	E -24 2252
53		9.0R	18 19.148	-0.0028	20	-27 2 23.93	-0.019	20	0.35	19.193	16	33.8	23.61	16	33.8	F2 J	13B	1764	J -27 1666
54		5.3H	18 28.041	0.0015	02	-20 45 27.59	-0.010	03	0.10	27.991	04	15.7	27.27	05	16.1	A0	F4	161	-20 831
55		8.5R	18 39.129	0.0013	15	-24 50 40.81	0.023	15	0.29	39.108	16	33.8	41.19	16	33.8	K0 J	14	2049	E -25 1849
56		9.4R	18 45.120	0.0042	21	-25 7 13.74	0.011	21	0.37	45.053	16	33.8	13.93	16	33.8	K0 J	14	2050	E -25 1850
57		9.3R	18 46.988	-0.0011	18	-26 40 51.92	-0.016	18	0.33	47.006	16	33.8	51.67	16	33.8	K2 J	14	2051	E -26 1637
58		8.6R	18 52.951	0.0023	17	-26 36 22.67	0.073	17	0.31	52.913	16	33.8	23.85	16	33.8	F2 J	14	2052	E -26 1638
59		7.7A	18 55.385	0.0004	20	-21 21 56.86	-0.000	15	0.32	55.378	16	33.8	56.86	16	33.8	G5 J	13A	1324	A -21 845
60		9.6R	18 57.454	-0.0004	18	-23 51 19.69	0.013	18	0.33	57.461	16	33.8	19.90	16	33.8	G5 J	14	2053	E -24 2264
61		9.4R	18 59.286	0.0027	20	-26 36 34.12	0.112	20	0.35	59.242	16	33.8	35.94	16	33.8	F2 J	14	2054	E -26 1640
62		9.1R	19 4.168	0.0017	18	-24 39 23.88	0.007	18	0.33	4.145	16	33.8	24.00	16	33.8	G0 J	14	2055	E -24 2266
63		8.6A	19 4.789	-0.0037	20	-20 18 19.64	-0.198	15	0.32	4.849	16	33.8	16.44	16	33.8	K0 J	13A	1325	A -20 834
64		9.4R	19 9.103	-0.0024	20	-22 51 12.16	0.032	20	0.35	9.142	16	33.8	12.68	16	33.8	G5 J	14	2056	E -23 1881
65		9.2R	19 16.457	0.0014	20	-28 2 4.23	0.023	20	0.35	16.435	16	33.8	4.60	16	33.8	F8 J	13B	1768	J -28 1504
66		8.7A	19 17.611	0.0137	20	-21 2 3.79	0.142	15	0.32	17.389	16	33.8	6.08	16	33.8	G5 J	13A	1327	A -21 848
67		9.0R	19 26.010	-0.0015	18	-24 24 35.28	0.075	18	0.33	26.034	16	33.8	36.49	16	33.8	G5 J	14	2057	E -24 2273
68		5.9T	19 26.683	0.0032	06	-25 50 41.61	-0.049	05	0.26	26.537	09	05.0	39.36	09	04.4	F0	GC	5290K	C*-26 1642
69		8.6T	19 28.789	0.0025	13	-25 50 8.27	-0.060	12	0.69	28.660	18	99.6	5.13	18	97.9	G0	GC	5291K	C -26 1643
70		8.3R	19 30.716	-0.0006	20	-29 2 11.48	0.018	20	0.35	30.726	16	33.8	11.77	16	33.8	G5 J	13B	1769	J -29 1683
71		8.9R	19 34.377	0.0034	20	-29 40 20.41	0.030	20	0.35	34.321	16	33.8	20.90	16	33.8	G5 J	13B	1770	J -29 1685
72		7.2R	19 37.696	0.0049	18	-21 53 15.21	0.004	18	0.33	37.617	16	33.8	15.28	16	33.8	G0 J	14	2060	E -22 1587
73		9.1R	19 47.445	-0.0018	20	-27 59 11.28	0.085	20	0.35	47.474	16	33.8	12.66	16	33.8	F5 J	13B	1773	J -28 1513
74		9.5R	19 49.055	-0.0019	18	-24 48 57.67	0.013	18	0.33	49.085	16	33.8	57.89	16	33.8	F8 J	14	2061	E -24 2278
75		9.3R	19 52.069	-0.0018	20	-22 34 19.48	0.025	20	0.35	52.098	16	33.8	19.90	16	33.8	G0 J	14	2062	E -22 1596
76		9.2R	20 15.189	0.0001	20	-29 17 59.68	-0.015	20	0.35	15.188	16	33.8	59.44	16	33.8	K5 J	13B	1775	J -29 1690
77		8.5R	20 15.237	0.0051	12	-22 58 16.58	0.007	12	0.25	15.155	16	33.8	16.70	16	33.8	G0 J	14	2063	E -23 1886
78		8.5R	20 17.835	-0.0006	12	-29 28 47.10	0.039	12	0.25	17.845	16	33.8	47.74	16	33.8	F2 J	13B	1776	J -29 1692
79		8.9R	20 19.863	0.0013	12	-26 1 31.05	-0.039	12	0.25	19.842	16	33.8	30.41	16	33.8	G5 J	14	2064	E -26 1650
80		9.5R	20 22.474	0.0066	18	-24 32 49.32	-0.048	18	0.33	22.367	16	33.8	48.55	16	33.8	G5 J	14	2065	E -24 2284
81		9.5R	20 24.677	0.0009	20	-23 52 15.31	-0.015	20	0.35	24.662	16	33.8	15.06	16	33.8	F2 J	14	2066	E -24 2287
82		8.8R	20 25.375	0.0011	12	-29 16 39.05	-0.029	12	0.25	25.358	16	33.8	38.58	16	33.8	F2 J	13B	1777	J -29 1693
83		8.5A	20 35.034	0.0006	18	-20 21 31.43	0.007	12	0.29	35.024	16	33.8	31.55	16	33.8	A2 J	13A	1334	A -20 837
84		8.8A	20 41.639	0.0014	17	-20 52 23.09	-0.007	12	0.28	41.616	16	33.8	22.98	16	33.8	G5 J	13A	1335	A -21 852
85		9.2R	20 41.899	0.0008	15	-25 21 54.47	-0.011	15	0.29	41.887	16	33.8	54.30	16	33.8	K0 J	14	2067	E -25 1859
86		8.9A	20 43.779	0.0002	20	-21 42 48.01	0.045	15	0.32	43.776	16	33.8	48.74	16	33.8	K0 J	13A	1336	A -21 853
87		9.0R	20 51.087	-0.0007	20	-27 58 51.08	0.057	20	0.35	51.099	16	33.8	52.00	16	33.8	K0 J	13B	1779	J -28 1522
88		8.3R	20 55.235	-0.0005	17	-29 52 14.58	-0.011	17	0.31	55.243	16	33.8	14.40	16	33.8	K0 J	13B	1780	J -30 1796
89		8.7R	20 57.200	-0.0016	18	-22 14 8.56	-0.016	18	0.33	57.226	16	33.8	8.31	16	33.8	K0 J	14	2068	E -22 1604
90		8.9A	20 59.794	0.0017	20	-21 43 47.33	0.012	15	0.32	59.766	16	33.8	47.53	16	33.8	K0 J	13A	1339	A -21 854
91		6.0T	21 0.187	0.0011	10	-25 0 26.85	-0.018	10	0.56	0.125	17	95.3	25.90	15	96.3	K5	GC	5324	C -25 1862
92		9.6R	21 3.146	0.0011	18	-25 24 50.93	-0.001	18	0.33	3.129	16	33.8	50.92	16	33.8	F5 J	14	2070	E -25 1863
93		9.0R	21 3.387	0.0011	17	-29 51 16.92	0.013	17	0.31	3.369	16	33.8	17.13	16	33.8	F5 J	13B	1783	J -30 1798
94		8.3R	21 5.503	-0.0034	17	-28 21 6.81	0.044	17	0.31	5.448	16	33.8	7.53	16	33.8	K2 J	13B	1782	J -28 1523
95		9.5R	21 9.094	-0.0001	15	-24 44 14.38	-0.007	15	0.29	9.095	16	33.8	14.27	16	33.8	K0 J	14	2071	E -24 2297
96		7.5R	21 15.236	0.0026	18	-25 30 23.90	-0.297	18	0.33	15.193	16	33.8	19.08	16	33.8	G0 J	14	2072	E -25 1868
97		9.5R	21 18.146	-0.0028	18	-26 9 23.82	-0.026	18	0.33	18.192	16	33.8	23.39	16	33.8	G5 J	14	2073	E*-26 1655
98		8.5A	21 25.071	-0.0036	18	-20 23 18.33	-0.056	13	0.30	25.129	16	33.8	17.43	16	33.8	F5 J	13A	1341	A -20 839
99		8.2R	21 27.045	0.0014	20	-27 46 19.99	0.005	20	0.35	27.023	16	33.8	20.08	16	33.8	G0 J	13B	1784	J -27 1685
00		9.5R	21 33.471	-0.0013	18	-24 14 34.68	0.088	18	0.33	33.492	16	33.8	36.10	16	33.8	F8 J	14	2076	E -24 2300

169400

EPOCH 1950 — ORIGINAL EPOCH — SOURCE — -20° 4H

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.		SOURCE CAT.	SOURCE STAR NUMBER	DM NUMBER
1		9.8R	4 21 33.495	-0.0011	20	-22 10 37.69	-0.023	20	0.35	33.513	16	33.8	37.32	16	33.8	F8	J	14	2074	E -22 1698
2		8.8R	21 34.549	-0.0000	18	-23 5 30.92	-0.046	18	0.33	34.549	16	33.8	30.17	16	33.8	K0	J	14	2075	E -23 1905
3		9.1A	21 35.263	-0.0008	20	-20 9 24.38	0.011	15	0.32	35.276	16	33.8	24.57	16	33.8	G5	J	13A	1344	A -20 840
4		9.4R	21 35.779	0.0056	18	-26 4 2.63	-0.033	18	0.33	35.688	16	33.8	2.09	16	33.8	K0	J	14	2077	E -26 1659
5		7.9R	21 38.850	0.0003	12	-27 56 41.90	0.041	12	0.25	38.845	16	33.8	42.57	16	33.8	M3	J	13B	1785	J -28 1527
6		9.5R	21 41.098	-0.0027	18	-24 33 5.90	-0.022	18	0.33	41.141	16	33.8	5.55	16	33.8	A5	J	14	2079	E -24 2302
7		9.5R	21 42.260	0.0038	12	-22 31 3.00	-0.001	12	0.25	42.198	16	33.8	3.00	16	33.8	G0	J	14	2078	E -22 1610
8		8.5R	21 42.801	-0.0048	13	-28 52 44.75	-0.148	13	0.27	42.879	16	33.8	42.36	16	33.8	G5	J	13B	1786	J -29 1697
9		9.0R	21 47.632	-0.0030	17	-23 51 6.42	-0.011	17	0.31	47.583	16	33.8	6.59	16	33.8	K2	J	14	2080	E -24 2305
10		8.9A	21 48.761	-0.0000	17	-20 42 10.70	-0.006	12	0.28	48.761	16	33.8	10.60	16	33.8	K5	J	13A	1346	A -20 841
11		8.5Q	21 56.028	0.0036	22	-20 13 51.59	-0.096	20	0.89	55.884	19	09.9	47.55	18	07.7	F5		GC	5343	-20 842
12		9.1R	22 16.058	-0.0027	18	-21 51 7.26	-0.028	18	0.33	16.102	16	33.8	6.81	16	33.8	G5	J	14	2081	E -22 1616
13		9.6R	22 18.819	0.0023	17	-24 9 52.79	0.022	17	0.31	18.781	16	33.8	53.14	16	33.8	F5	J	14	2082	E -24 2311
14		9.3R	22 22.597	-0.0008	15	-23 12 58.48	-0.046	15	0.29	22.610	16	33.8	57.74	16	33.8	F2	J	14	2083	E -23 1910
15		8.9A	22 30.934	0.0009	18	-20 44 29.90	-0.065	13	0.30	30.919	16	33.8	28.84	16	33.8	G0	J	13A	1350	A -20 843
16		8.5R	22 32.238	0.0006	15	-21 59 10.93	-0.004	15	0.29	32.228	16	33.8	10.87	16	33.8	A0	J	14	2084	E -22 1620
17		8.4R	22 32.411	0.0108	20	-29 19 40.95	-0.008	20	0.35	32.237	16	33.8	40.83	16	33.8	F8	J	13B	1788	J -29 1704
18		9.5R	22 36.360	0.0029	17	-24 18 23.43	0.021	17	0.31	36.312	16	33.8	23.76	16	33.8	K0	J	14	2085	E -24 2312
19		8.7R	22 42.004	0.0017	20	-28 57 2.13	-0.001	20	0.35	41.977	16	33.8	2.12	16	33.8	G5	J	13B	1789	J -29 1706
20		9.1R	22 49.703	0.0023	15	-26 34 50.64	-0.044	15	0.29	49.665	16	33.8	49.93	16	33.8	F8	J	14	2086	E -26 1667
21		7.7R	22 50.973	-0.0006	20	-28 19 18.47	0.019	17	0.33	50.982	16	33.8	18.78	16	33.8	K0	J	13B	1791	J -28 1536
22		8.3A	22 51.363	0.0016	20	-21 19 28.09	0.010	15	0.32	51.336	16	33.8	28.25	16	33.8	G5	J	13A	1351	A -21 859
23		9.3R	23 0.652	0.0025	18	-24 25 48.40	-0.057	18	0.33	0.612	16	33.8	47.48	16	33.8	K0	J	14	2087	E -24 2316
24		8.5R	23 6.299	-0.0010	17	-29 31 44.06	-0.002	12	0.28	6.316	16	33.8	44.03	16	33.8	G5	J	13B	1792	J -29 1708
25		8.9R	23 11.588	-0.0026	20	-29 0 56.13	0.010	20	0.35	11.630	16	33.8	56.29	16	33.8	F2	J	13B	1793	J -29 1709
26		8.5A	23 21.517	0.0038	15	-21 4 51.37	-0.074	11	0.26	21.454	16	33.8	50.16	16	33.8	F0	J	13A	1353	A -21 864
27		9.5R	23 25.193	0.0006	17	-23 57 25.84	-0.100	17	0.31	25.182	16	33.8	24.22	16	33.8	G0	J	14	2088	E -24 2324
28		9.4R	23 30.504	0.0031	15	-25 0 47.43	-0.045	15	0.29	30.454	16	33.8	46.71	16	33.8	K0	J	14	2089	E -25 1876
29		9.5R	23 30.544	0.0031	12	-25 36 12.65	-0.015	12	0.25	30.494	16	33.8	12.40	16	33.8	K2	J	14	2090	E -25 1877
30		9.0R	23 31.800	-0.0003	00	-28 0 9.67	-0.026	20	0.27	31.806	16	33.8	9.25	16	33.8	G5	J	13B	1795	J -28 1542
31		8.3R	23 32.971	0.0022	20	-28 35 48.46	-0.013	20	0.35	32.935	16	33.8	48.25	16	33.8	K0	J	13B	1796	J -28 1543
32		8.8A	23 35.577	-0.0001	18	-21 25 28.39	0.036	13	0.30	35.578	16	33.8	28.97	16	33.8	K0	J	13A	1354	A -21 865
33		9.1A	23 46.773	0.0026	18	-21 13 50.33	0.014	15	0.31	46.730	16	33.8	50.55	16	33.8	G0	J	13A	1356	A -21 866
34		9.2R	23 48.387	0.0001	15	-22 46 52.36	-0.036	15	0.29	48.385	16	33.8	51.77	16	33.8	F8	J	14	2091	E -22 1628
35		8.7R	23 48.626	0.0027	20	-28 51 55.14	-0.014	17	0.33	48.583	16	33.8	54.92	16	33.8	F5	J	13B	1798K	J -29 1714
36		9.4R	23 54.396	-0.0005	20	-29 17 13.06	-0.022	20	0.35	54.405	16	33.8	12.71	16	33.8	F8	J	13B	1799	J -29 1716
37		9.5R	23 57.981	0.0004	20	-23 55 49.05	-0.032	20	0.35	57.974	16	33.8	48.53	16	33.8	K0	J	14	2093	E -24 2330
38		8.7R	23 58.612	-0.0009	15	-23 13 47.70	-0.091	15	0.29	58.627	16	33.8	46.23	16	33.8	G0	J	14	2092	E -23 1920
39		9.2R	24 4.997	0.0003	17	-24 18 40.69	-0.010	17	0.31	4.992	16	33.8	40.52	16	33.8			14	2095	E -24 2335
40		9.1R	24 7.603	-0.0014	21	-22 12 17.69	-0.023	21	0.37	7.626	16	33.8	17.32	16	33.8	F2	J	14	2094	E -22 1630
41		9.5R	24 8.183	0.0034	15	-21 56 24.79	0.017	15	0.29	8.128	16	33.8	25.07	16	33.8	F8	J	14	2096	E -22 1631
42		9.2R	24 10.363	0.0046	20	-27 51 33.60	0.039	20	0.35	10.288	16	33.8	34.24	16	33.8	F5	J	13B	1800	J -28 1544
43		9.2R	24 11.740	-0.0065	21	-23 8 23.07	-0.019	21	0.37	11.845	16	33.8	22.75	16	33.8	F5	J	14	2097	E -23 1924
44		8.7A	24 13.421	-0.0001	20	-21 37 11.08	0.015	15	0.32	13.423	16	33.8	11.33	16	33.8	K0	J	13A	1359	A -21 868
45		9.4R	24 13.981	0.0030	18	-24 31 34.39	0.021	18	0.33	13.932	16	33.8	34.73	16	33.8	G0	J	14	2098	E -24 2337
46		8.6A	24 15.747	0.0024	18	-21 4 21.25	-0.000	13	0.30	15.709	16	33.8	21.24	16	33.8	G5	J	13A	1360	A -21 869
47		8.1R	24 18.635	0.0013	18	-26 23 35.59	-0.010	18	0.33	18.614	16	33.8	35.42	16	33.8	K2	J	14	2099	E -26 1676
48		8.4R	24 24.363	-0.0009	15	-23 14 48.16	0.005	15	0.29	24.378	16	33.8	48.23	16	33.8	A0	J	14	2100	E -23 1927
49		9.2R	24 26.896	-0.0019	13	-22 45 32.42	-0.053	13	0.27	26.926	16	33.8	31.57	16	33.8	A7	J	14	2101	E -22 1634
50		8.7R	24 35.839	-0.0009	18	-27 22 34.13	-0.058	18	0.33	35.853	16	33.8	33.19	16	33.8	G0	J	13B	1805	J -27 1709
51		9.0R	4 24 36.194	0.0044	20	-28 46 59.64	0.009	20	0.35	36.124	16	33.8	59.79	16	33.8	K0	J	13B	1806	J -28 1548
52		8.3R	24 38.659	0.0037	20	-29 3 44.11	-0.052	20	0.35	38.600	16	33.8	43.27	16	33.8	G5	J	13B	1807	J -29 1721
53		8.9A	24 38.958	-0.0040	20	-21 31 47.60	-0.007	15	0.32	39.023	16	33.8	47.49	16	33.8	K5	J	13A	1363	A -21 872
54		8.6R	24 44.581	-0.0018	18	-23 4 8.56	-0.007	18	0.33	44.551	16	33.8	8.47	16	33.8	K0	J	14	2102	E -23 1931
55		6.1T	24 50.693	-0.0006	12	-24 11 32.31	-0.014	11	0.64	50.722	18	98.0	31.55	18	95.7	A2		GC	5409K	C*-24 2343
56		9.0R	24 52.135	0.0011	20	-28 19 54.12	0.011	20	0.35	52.117	16	33.8	54.30	16	33.8	G5	J	13B	1809	J -28 1550
57		8.6R	24 52.785	0.0023	20	-29 26 46.16	-0.020	20	0.35	52.748	16	33.8	45.84	16	33.8	G0	J	13B	1811	J -29 1722
58		9.4R	24 53.483	0.0020	18	-26 36 10.59	-0.009	18	0.33	53.450	16	33.8	10.45	16	33.8	G5	J	14	2104	E -26 1682
59		9.1R	25 0.874	0.0036	15	-25 7 14.88	0.010	15	0.29	0.816	16	33.8	15.05	16	33.8	G5	J	14	2105	E -25 1888
60		8.3R	25 1.298	-0.0003	20	-28 46 56.78	0.029	20	0.35	1.303	16	33.8	57.25	16	33.8	K2	J	13B	1812	J -28 1552
61		9.0R	25 6.258	0.0012	20	-29 26 55.82	0.055	20	0.35	6.239	16	33.8	56.71	16	33.8	F5	J	13B	1813	J -29 1724
62		9.0R	25 9.255	-0.0005	18	-23 39 38.30	0.003	18	0.33	9.263	16	33.8	38.34	16	33.8	K0	J	14	2106	E -23 1940
63		8.5A	25 12.939	0.0035	18	-20 29 0.55	-0.013	12	0.29	12.883	16	33.8	0.35	16	33.8	F0	J	13A	1366	A -20 851
64		8.8R	25 17.988	0.0050	20	-29 18 8.08	0.101	20	0.35	17.908	16	33.8	9.72	16	33.8	F8	J	13B	1814	J -29 1725
65		9.5R	25 21.903	0.0031	18	-24 58 29.91	-0.042	18	0.33	21.853	16	33.8	29.24	16	33.8	F5	J	14	2107	E -25 1889
66		9.1R	25 22.874	-0.0033	20	-28 2 45.01	0.113	20	0.35	22.927	16	33.8	46.84	16	33.8	F5	J	13B	1815	J -28 1554
67		9.3R	25 25.296	0.0003	15	-23 19 8.28	0.032	15	0.29	25.291	16	33.8	8.81	16	33.8	F5	J	14	2108K	E -23 1943
68		9.7R	25 25.387	-0.0020	18	-24 8 45.54	-0.063	18	0.33	25.419	16	33.8	44.52	16	33.8	G5	M	14	2109	E -24 2353
69		8.1R	25 26.000	-0.0034	18	-24 34 1.92	-0.096	18	0.33	26.055	16	33.8	1.02	16	33.8	G0	J	14	2110K	E -24 2354
70		7.6T	25 27.083	0.0045	12	-29 18 31.43	0.126	10	0.59	26.864	18	01.6	38.11	17	97.1	G5		GC	5420	C -29 1728
71		9.3R	25 27.231	0.0011	17	-28 10 27.36	0.027	17	0.31	27.213	16	33.8	27.79	16	33.8	F2	J	13B	1817	J -28 1555
72		9.0R	25 42.773	0.0004	18	-24 5 6.82	0.012	18	0.33	42.766	16	33.8	7.01	16	33.8	F5	J	14	2112	E -24 2359
73		9.4R	25 43.839	-0.0007	20	-24 16 21.08	-0.082	20	0.35	43.851	16	33.8	19.75	16	33.8	F8	M	14	2114	E -24 2360
74		9.5R	25 45.884	0.0018	15	-22 25 52.59	-0.007	15	0.29	45.856	16	33.8	52.48	16	33.8	G5	J	14	2113	E -22 1644
75		6.7T	25 45.911	-0.0013	11	-21 36 48.27	-0.037	10	0.43	45.962	09	09.4	46.74	09	08.7	F5		GC	5435K	B*-21 878
76		9.4R	25 46.105	-0.0010	15	-26 15 12.92	0.013	20	0.32	46.121	16	33.8	13.12	16	33.8	G0	J	14	2115	E -26 1686
77		9.1A	25 51.073	0.0018	18	-20 20 23.74	-0.014	13	0.30	51.045	16	33.8	23.52	16	33.8	K7	J	13A	1373	A -20 852
78		8.7R	25 56.178	0.0025	17	-29 19 25.73	-0.013	17	0.31	56.139	16	33.8	25.52	16	33.8	M2	J	13B	1820	J -29 1730
79		9.4R	25 58.538	-0.0030	17	-25 44 43.29	-0.036	17	0.31	58.586	16	33.8	42.70	16	33.8	G0	J	14	2117	E -25 1896
80		9.3R	25 58.656	0.0014	18	-27 27 47.02	0.004	18	0.33	58.632	16	33.8	47.09	16	33.8	A2	J	13B	1821	J -27 1717
81		8.8R	25 59.434	0.0004	18	-26 6 9.56	-0.006	18	0.33	59.427	16	33.8	9.46	16	33.8	K0	J	14	2118	E -26 1688
82		9.0R	25 59.583	0.0012	18	-22 49 24.80	0.007	18	0.33	59.564	16	33.8	24.92	16	33.8	K2	J	14	2116	E -23 1948
83		6.9T	26 6.831	0.0025	20	-22 52 40.83	-0.017	20	0.94	6.716	19	03.3	40.06	19	03.2	G5		GC	5444	C -23 1950
84		8.7R	26 7.504	-0.0012	18	-23 12 41.73	-0.002	18	0.33	7.524	16	33.8	41.70	16	33.8	A2	J	14	2120	E -23 1952
85		9.5R	26 8.137	0.0003	17	-23 18 17.84	-0.022	17	0.31	8.132	16	33.8	17.50	16	33.8	G	J	14	2121	E -23 1953
86		8.2R	26 9.230	-0.0027	15	-26 46 30.40	-0.024	15	0.29	9.273	16	33.8	30.01	16	33.8	A2	J	14	2122	E -26 1690
87		9.4R	26 13.339	-0.0035	18	-24 36 11.92	-0.024	18	0.33	13.395	16	33.8	11.54	16	33.8			14	2124	E -24 2366
88		8.9R	26 14.655	-0.0031	18	-23 33 11.84	-0.004	18	0.33	14.705	16	33.8	11.77	16	33.8	F8	J	14	2123	E -23 1956
89		9.5R	26 15.768	0.0001	18	-23 49 34.05	0.010	18	0.33	15.767	16	33.8	34.21	16	33.8	K0	J	14	2125	E -23 1955
90		9.1R	26 22.392	0.0014	17	-23 59 21.75	0.003	17	0.31	22.369	16	33.8	21.80	16	33.8	A5	J	14	2126	E -24 2369
91		8.5T	26 34.009	0.0011	16	-26 24 13.15	-0.045	13	0.76	33.953	21	01.6	10.80	19	98.1	G5		GC	5453	C -26 1691
92		7.9T	26 36.361	0.0002	15	-29 51 57.91	0.027	11	0.69	36.349	17	00.7	59.34	18	97.4	F0		GC	5454K	C -30 1842
93		9.3R	27 5.435	0.0019	15	-25 42 46.40	-0.007	15	0.29	5.404	16	33.8	46.28	16	33.8	A5	J	14	2130	E -25 1905
94		9.5R	27 6.162	-0.0043	15	-22 38 21.88	-0.032	15	0.29	6.232	16	33.8	21.37	16	33.8	F0	J	14	2129	E -22 1658
95		8.6R	27 10.086	-0.0020	18	-22 37 14.16	-0.083	18	0.33	10.117	16	33.8	12.82	16	33.8	G0	J	14	2131	E -22 1659
96		8.7A	27 11.735	0.0004	18	-21 32 17.93	0.049	13	0.30	11.729	16	33.8	18.72	16	33.8	F8	J	13A	1377	A -21 886
97		8.6A	27 12.019	0.0018	18	-20 34 26.62	0.011	13	0.30	11.989	16	33.8	26.79	16	33.8	K0	J	13A	1376	A -20 859
98		9.5R	27 17.015	-0.0002	15	-22 29 26.13	-0.045	15	0.29	17.018	16	33.8	25.40	16	33.8	G5	J	14	2132	E -22 1660
99		9.2R	27 17.745	-0.0022	15	-25 30 4.45	0.018	15	0.29	17.781	16	33.8	4.73	16	33.8	K2	J	14	2133	E -25 1906
00		8.8R	27 17.871	-0.0010	15	-27 6 46.65	-0.041	15	0.29	17.886	16	33.8	45.97	16	33.8	F0	J	13B	1828	J -27 1727

169500	EPOCH 1950									ORIGINAL EPOCH							SP.	SOURCE		-20° 4H
NUMBER	MAGNITUDES		α_{1950}		μ	σ_μ	δ_{1950}		μ'	$\sigma_{\mu'}$	σ_{1950}	α_2	σ	ep.	δ_2	σ'	ep.		CAT.	STAR NUMBER	DM NUMBER
	m_{pg}	m_v	h m	s	.s	″.001	°	′ ″	″	″.001	″	s	″.01		″	″.01					
1		9.0A	4 27	25.078	0.0014	18	-21	5 49.54	-0.010	15	0.31	25.057	16	33.8	49.37	16	33.8	G5 J	13A	1378	A -21 888
2		8.9R	27	29.109	0.0006	18	-23	9 35.39	-0.001	18	0.33	29.099	16	33.8	35.59	16	33.8	F5 J	14	2134	E -23 1971
3		6.9T	27	29.281	0.0035	14	-25	23 4.73	0.019	12	0.71	29.107	18	99.6	5.72	18	97.0	K0	GC	5473	C -26 1697
4		8.3R	27	33.618	0.0029	17	-28	29 36.90	0.018	17	0.31	33.571	16	33.8	37.20	16	33.8	K2 J	13B	1829	J -28 1567
5		8.0T	27	44.062	-0.0024	13	-29	8 14.62	-0.035	13	0.71	44.182	21	99.5	12.79	19	97.4	K0	GC	5481	C -29 1746
6		8.9A	27	45.662	-0.0004	17	-20	51 3.62	-0.009	12	0.28	45.668	16	33.8	3.47	16	33.8	M0 J	13A	1380	A -21 891
7		9.7R	27	50.153	0.0041	18	-22	15 49.09	-0.001	18	0.33	50.086	16	33.8	49.07	16	33.8	G0 J	14	2136	E -22 1663
8		8.9R	27	52.985	0.0012	20	-28	32 28.98	-0.022	17	0.33	52.966	16	33.8	28.63	16	33.8	F2 J	13B	1831	J -28 1569
9		7.5T	27	57.984	0.0018	11	-28	59 15.14	0.008	12	0.65	57.887	19	96.5	15.59	18	95.9	F0	GC	5488	C*-29 1748
10		8.9A	27	58.995	0.0012	18	-20	57 20.25	0.003	15	0.31	58.975	16	33.8	20.29	16	33.8	F8 J	13A	1382	A -21 892
11		8.3R	27	59.392	0.0004	18	-23	38 5.81	0.011	18	0.33	59.386	16	33.8	5.99	16	33.8	K0 J	14	2137	E -23 1978
12		8.9R	28	0.120	0.0008	12	-25	11 55.60	0.000	12	0.25	0.107	16	33.8	55.61	16	33.8	K2 J	14	2138	E -25 1911
13		9.1R	28	5.888	-0.0024	20	-29	38 27.27	0.001	20	0.35	5.927	16	33.8	27.29	16	33.8	K5 J	13B	1833	J -29 1755
14		9.0R	28	9.346	-0.0038	15	-24	4 48.67	0.004	15	0.29	9.407	16	33.8	48.73	16	33.8	F5 J	14	2139	E -24 2383
15		8.5R	28	14.107	-0.0007	20	-29	20 56.03	0.018	20	0.35	14.120	16	33.8	56.33	15	33.8	G5 J	13B	1838	J -29 1751
16		8.7R	28	15.216	-0.0017	18	-24	28 35.83	-0.145	18	0.33	15.243	16	33.8	33.48	16	33.8	G0 J	14	2141	E -24 2384
17		8.7R	28	15.810	-0.0031	15	-23	36 6.61	-0.037	15	0.29	15.860	16	33.8	6.01	16	33.8	F2 J	14	2140	E -23 1980
18		9.0R	28	16.161	0.0020	20	-27	51 43.54	0.010	20	0.35	16.129	16	33.8	43.69	16	33.8	G0 J	13B	1837	J -28 1572
19		9.0R	28	21.080	-0.0010	15	-23	13 54.26	-0.006	15	0.29	21.096	16	33.8	54.18	16	33.8	G5 J	14	2142	E -23 1982
20		8.7A	28	23.419	0.0003	18	-21	0 1.38	0.007	13	0.30	23.414	16	33.8	1.49	16	33.8	F8 J	13A	1383	A -21 894
21		7.0T	28	26.278	-0.0005	07	-23	7 53.77	-0.005	07	0.30	26.300	10	07.5	53.58	10	08.4	A2	GC	5503	C -23 1983
22		9.6R	28	28.728	-0.0008	18	-25	44 35.76	-0.027	18	0.33	28.741	16	33.8	35.31	16	33.8	G5 J	14	2144	E -25 1914
23		7.9A	28	30.124	-0.0014	18	-21	28 52.67	-0.006	15	0.31	30.147	16	33.8	52.56	16	33.8	A3 J	13A	1384	A -21 895
24		8.5R	28	39.123	0.0022	17	-29	23 59.29	-0.033	17	0.31	39.088	16	33.8	58.76	16	33.8	K0 J	13B	1842	J -29 1754
25		8.3A	28	41.115	-0.0020	17	-20	56 13.50	0.013	12	0.28	41.147	16	33.8	13.70	16	33.8	A0 J	13A	1385	A -21 896
26		8.1R	28	41.399	-0.0010	12	-23	30 52.93	0.013	12	0.25	41.415	16	33.8	53.14	16	33.8	K2 J	14	2145	E -23 1985
27		9.4R	28	43.429	0.0040	12	-25	33 20.80	0.003	12	0.25	43.364	16	33.8	20.84	16	33.8	K2 J	14	2147	E -25 1918
28		9.4R	28	43.982	-0.0034	20	-27	35 38.79	0.066	20	0.35	44.038	16	33.8	39.85	16	33.8	F2 J	13B	1843	J -27 1742
29		8.5R	28	51.587	-0.0007	15	-25	51 37.21	-0.052	15	0.29	51.598	16	33.8	36.36	16	33.8	K0 J	14	2148	E -25 1709
30		8.5R	28	54.678	0.0000	12	-25	5 11.59	-0.013	12	0.25	54.677	16	33.8	11.38	16	33.8	K0 J	14	2149	E -25 1919
31		8.6R	29	1.191	0.0027	15	-26	6 42.44	0.012	15	0.29	1.147	16	33.8	42.62	16	33.8	F2 J	14	2150	E -26 1714
32		8.3R	29	13.437	-0.0034	20	-27	57 4.55	0.035	17	0.33	13.493	16	33.8	5.12	16	33.8	G5 J	13B	1844	J -28 1578
33		7.4T	29	20.826	-0.0007	12	-28	59 15.91	0.016	12	0.66	20.861	18	98.1	16.76	18	97.6	F0	GC	5529	C -29 1760
34		9.0R	29	22.089	-0.0028	18	-23	9 23.88	0.001	18	0.33	22.133	16	33.8	23.91	16	33.8	G5 J	14	2151	E -23 1995
35		8.9R	29	22.253	0.0028	17	-29	32 9.15	-0.026	17	0.31	22.207	16	33.8	8.73	16	33.8	K0 J	13B	1846	J -29 1763
36		8.2T	29	30.318	0.0032	15	-29	52 55.31	0.030	13	0.72	30.160	19	01.5	56.85	18	99.0	K2	GC	5535	C*-30 1866
37		8.8A	29	33.176	0.0046	18	-21	6 48.68	-0.040	15	0.31	33.102	16	33.8	48.02	16	33.8	G0 J	13A	1388	A -21 900
38		7.0R	29	42.411	0.0016	15	-24	12 57.44	-0.006	15	0.29	42.385	16	33.8	57.34	16	33.8	A2 J	14	2152	E -24 2401
39		8.6A	29	45.157	0.0021	20	-21	20 2.96	0.005	15	0.32	45.122	16	33.8	3.03	16	33.8	K2 J	13A	1390	A -21 902
40		8.9A	29	45.852	0.0001	17	-21	30 54.78	-0.011	12	0.28	45.859	16	33.8	54.61	16	33.8	K0 J	13A	1392	A -21 903
41		9.0R	29	46.250	0.0044	18	-20	40 20.97	0.003	18	0.33	46.179	16	33.8	21.02	16	33.8	G0 J	14	2154	E -24 2403
42		7.0T	29	49.428	-0.0007	18	-20	48 15.89	-0.022	16	0.84	49.460	26	04.3	14.80	22	01.2	K5	GC	5538	-21 904
43		9.0R	29	51.134	0.0006	12	-24	52 4.36	-0.021	12	0.25	51.125	16	33.8	4.03	16	33.8	G5 J	14	2155	E -25 1931
44		9.3R	30	3.501	0.0010	20	-29	46 25.01	0.010	20	0.35	3.484	16	33.8	25.17	16	33.8	F5 J	13B	1854	J -29 1769
45		7.2T	30	6.624	0.0133	13	-28	54 36.46	-0.108	12	0.69	5.947	15	98.9	30.66	18	96.2	K5	GC	5542	C -29 1770
46		9.4R	30	8.590	-0.0028	15	-26	8 28.62	-0.081	15	0.29	8.635	16	33.8	27.30	16	33.8	G5 J	14	2157	E -26 1725
47		9.3R	30	12.029	0.0008	20	-28	12 25.91	0.016	20	0.35	12.015	16	33.8	26.18	16	33.8	K2 J	13B	1856	J -28 1585
48		8.9R	30	13.081	-0.0002	17	-29	19 59.91	-0.026	17	0.31	13.085	16	33.8	59.50	16	33.8	K0 J	13B	1857	J -29 1771
49		9.1A	30	20.098	0.0014	20	-21	25 26.62	0.001	15	0.32	20.075	16	33.8	26.65	16	33.8	F5 J	13A	1399	A -21 905
50		9.6R	30	31.010	-0.0006	18	-25	36 10.03	0.002	18	0.33	31.021	16	33.8	10.06	16	33.8	A3 M	14	2158	E -25 1939
51		7.9T	4 30	33.171	-0.0013	13	-25	18 35.53	0.011	12	0.68	33.239	18	99.0	36.12	18	97.8	A5	GC	5548	C -25 1941
52		9.1R	30	36.371	-0.0011	18	-26	16 53.03	-0.030	18	0.33	36.389	16	33.8	52.54	16	33.8	F5 J	14	2160	E -26 1726
53		8.7R	30	49.273	0.0017	17	-28	43 51.99	0.027	17	0.31	49.245	16	33.8	52.44	16	33.8	G5 J	13B	1860	J -28 1594
54		8.7R	30	49.502	0.0002	20	-28	34 43.25	-0.066	20	0.35	49.499	16	33.8	42.19	16	33.8	G0 J	13B	1861	J -28 1593
55		9.1R	30	51.156	-0.0001	17	-29	29 23.06	0.084	17	0.31	51.157	16	33.8	24.43	16	33.8	G5 J	13B	1862	J -29 1777
56		8.7A	30	55.033	-0.0001	20	-21	15 2.55	0.032	15	0.32	55.035	16	33.8	3.06	16	33.8	K0 J	13A	1402	A -21 907
57		9.5R	30	55.829	0.0010	18	-25	53 57.77	-0.035	18	0.33	55.813	16	33.8	57.20	16	33.8	K5 J	14	2161	E -26 1729
58		8.5R	30	59.705	0.0020	15	-26	20 6.66	-0.019	15	0.29	59.674	16	33.8	6.35	16	33.8	K0 J	14	2163	E -26 1731
59		8.8R	31	0.018	0.0035	15	-24	7 0.25	-0.060	15	0.29	-59.961	16	33.8	-59.27	16	33.8	G0 J	14	2162	E -24 2415
60		7.4T	31	5.823	-0.0016	14	-25	39 51.06	-0.019	12	0.71	5.904	18	99.4	50.04	18	97.1	F2	GC	5562	C -25 1946
61		9.0A	31	6.983	0.0045	13	-20	59 56.07	0.094	11	0.25	6.910	16	33.8	57.60	16	33.8	G5 J	13A	1403	A -21 908
62		9.2R	31	8.592	-0.0010	18	-24	7 44.21	-0.000	18	0.33	8.638	16	33.8	44.20	16	33.8	K2 J	14	2166	E -24 2416
63		9.4A	31	9.909	-0.0004	20	-21	40 49.67	-0.003	15	0.32	9.915	16	33.8	49.62	16	33.8		13A	1406	A -21 912
64		8.6A	31	10.389	-0.0003	18	-21	28 45.85	-0.022	15	0.31	10.394	16	33.8	45.51	16	33.8	G0 J	13A	1407	A -21 911
65		9.4R	31	11.865	0.0006	18	-25	41 1.15	-0.003	18	0.33	11.856	16	33.8	1.09	16	33.8	F2 J	14	2167	E -25 2008
66		9.3R	31	16.995	-0.0015	15	-23	5 59.08	0.034	15	0.29	17.019	16	33.8	59.64	16	33.8	G0 J	14	2168	E -23 2009
67		8.8R	31	18.639	-0.0001	15	-24	2 32.91	-0.020	15	0.29	18.641	16	33.8	32.58	16	33.8	A3 J	14	2169	E -24 2419
68		9.1R	31	19.383	0.0039	20	-25	3 18.76	0.015	20	0.35	19.319	16	33.8	19.01	16	33.8	K5 J	14	2170	E -25 1947
69		8.9R	31	21.594	0.0031	15	-25	31 57.06	-0.001	15	0.29	21.545	16	33.8	57.04	16	33.8	K2 J	14	2171	E -25 1948
70		4.6T	31	32.818	-0.0081	04	-29	51 59.49	-0.274	04	0.22	33.206	09	02.1	45.13	09	97.6	K5	GC	5472	C*-30 1883
71		8.8R	31	35.332	0.0005	15	-27	37 53.30	-0.036	15	0.29	35.324	16	33.8	52.73	16	33.8	G5 J	13B	1865	J -27 1771
72		9.0R	31	38.098	-0.0013	17	-27	55 43.45	0.010	17	0.31	38.119	16	33.8	43.62	16	33.8	F5 J	13B	1867	J -28 1599
73		8.7R	31	43.782	-0.0009	15	-26	22 52.41	-0.031	15	0.29	43.796	16	33.8	51.90	16	33.8	K5 J	14	2172	E -26 1734
74		6.9T	32	2.704	-0.0008	09	-28	33 8.26	-0.043	07	0.48	2.749	17	96.7	5.77	15	91.8	F5	GC	5583	C*-28 1608
75		8.0R	32	3.695	0.0050	20	-29	18 26.56	-0.019	20	0.35	3.615	16	33.8	26.26	16	33.8	K0 J	13B	1869	J -29 1784
76		8.9A	32	5.803	0.0009	18	-21	45 11.93	-0.004	13	0.30	5.789	16	33.8	11.86	16	33.8	K0 J	13A	1412	A -21 915
77		9.5R	32	9.569	-0.0040	15	-26	3 45.82	-0.031	15	0.29	9.634	16	33.8	45.31	16	33.8	K5 J	14	2173	E -26 1738
78		9.0R	32	19.714	-0.0020	18	-27	32 53.18	-0.041	18	0.33	19.682	16	33.8	52.51	16	33.8	K0 J	13B	1871	J -27 1776
79		9.5R	32	25.563	-0.0004	15	-22	12 33.74	0.001	15	0.29	25.569	16	33.8	33.75	16	33.8	G5 J	14	2174	E -22 1699
80		8.6R	32	29.852	-0.0003	20	-28	15 43.31	0.016	20	0.35	29.857	16	33.8	43.57	16	33.8	K0 J	13B	1872	J -28 1612
81		6.6T	32	32.055	-0.0004	13	-24	8 34.79	0.037	12	0.68	32.075	15	99.1	36.75	18	96.5	G5	GC	5588	C -24 2433
82		8.3R	32	36.165	0.0036	17	-28	18 48.34	0.071	17	0.31	36.107	16	33.8	49.48	16	33.8	G0 J	13B	1874	J -28 1613
83		9.6R	32	36.770	-0.0008	18	-27	9 45.00	-0.046	18	0.33	36.783	16	33.8	44.26	16	33.8	G5 J	13B	1873	J -27 1779
84		6.2T	32	49.106	0.0053	17	-20	1 26.20	0.042	16	0.81	48.864	24	03.9	30.16	22	01.8	K0	GC	5592	-20 885
85		7.4T	32	50.058	-0.0000	14	-25	8 27.61	-0.052	12	0.72	50.059	17	99.8	24.82	18	95.9	F5	GC	5594K	C -25 1961
86		7.8A	32	54.233	0.0021	20	-20	50 43.43	0.029	15	0.32	54.199	16	33.8	43.90	16	33.8	G5 J	13A	1417	A -21 916
87		8.4R	32	58.732	0.0015	15	-26	4 26.58	-0.018	15	0.29	58.708	16	33.8	26.28	16	33.8	K0 J	14	2178	E -26 1746
88		9.1R	33	11.178	0.0012	18	-23	23 27.49	0.014	18	0.33	11.159	16	33.8	27.72	16	33.8	G5 J	14	2179	E -23 2032
89		6.6T	33	12.161	0.0063	09	-24	38 5.72	-0.005	10	0.54	11.820	17	96.3	5.44	17	94.5	F8	GC	5608	C*-24 2439
90		8.7R	33	14.625	0.0017	20	-29	44 18.38	0.026	20	0.35	14.598	16	33.8	18.80	16	33.8	A2 J	13B	1878	J -29 1793
91		8.7R	33	16.258	0.0048	20	-29	27 34.28	0.023	20	0.35	16.180	16	33.8	34.66	16	33.8	K2 J	13B	1879	J -29 1794
92		8.4A	33	35.921	0.0077	20	-21	26 26.10	-0.023	15	0.32	35.796	16	33.8	25.74	16	33.8	G0 J	13A	1421	A -21 919
93		9.5R	33	37.033	0.0013	18	-22	13 39.79	0.009	18	0.33	37.013	16	33.8	39.93	16	33.8	A2 J	14	2181	E -22 1756
94		8.5A	33	39.103	0.0007	20	-20	6 58.25	0.007	15	0.32	39.091	16	33.8	58.37	16	33.8	F2 J	13A	1422	A -20 883
95		8.5A	33	42.854	0.0079	18	-20	16 28.76	0.018	13	0.30	42.726	16	33.8	29.05	16	33.8	G5 J	13A	1424	A -20 884
96		8.7R	33	48.835	-0.0011	12	-24	38 19.19	-0.043	12	0.25	48.853	16	33.8	18.49	16	33.8	K0 J	14	2182	E -24 2445
97		9.4R	33	51.300	0.0019	15	-24	54 41.94	-0.018	15	0.29	51.269	16	33.8	41.65	16	33.8	K5 J	14	2183	E -25 1968
98		9.3R	33	56.103	-0.0001	20	-28	4 4.57	0.044	20	0.35	56.105	16	33.8	5.29	16	33.8	F8 J	13B	1882	J -28 1626
99		9.2R	34	2.865	0.0003	20	-28	18 16.67	-0.023	20	0.35	2.860	16	33.8	16.30	16	33.8	F5 J	13B	1884	J -28 1628
00		8.7R	34	3.592	-0.0020	18	-27	42 2.54	-0.011	18	0.33	3.623	16	33.8	2.37	16	33.8	K0 J	13B	1883	J -27 1794

169600			EPOCH 1950								ORIGINAL EPOCH							SP.		SOURCE		-20° 4H
NUMBER	MAGNITUDES m_{pg}	m_v	α_{1950} h m s	μ s	σ_μ .001	δ_{1950} ° ′ ″	μ' ″	σ'_μ .001	σ_{1950} ″	α_2 s	σ .01	ep.	δ_2 ″	σ' .01	ep.			CAT.	STAR NUMBER	DM NUMBER
1		9.2R	4 34 6.779	0.0031	20	-29 42 50.60	-0.001	20	0.35	6.730	16	33.8	50.58	16	33.8	K0	J	13B	1885	J -29 1798
2		8.2A	34 7.361	-0.0013	18	-21 25 7.44	0.006	13	0.30	7.382	16	33.8	7.55	16	33.8	G5	J	13A	1427	A -21 921
3		9.7R	34 10.880	0.0029	18	-24 30 35.46	0.010	18	0.33	10.833	16	33.8	35.62	16	33.8	A2	J	14	2184	E -24 2449
4		8.3S	34 13.857	-0.0028	18	-22 21 22.46	0.005	18	0.33	13.903	16	33.8	22.54	16	33.8	G5	J	14	2185	E -22 1711
5		9.0R	34 19.165	0.0008	20	-26 9 5.34	0.009	20	0.35	19.151	16	33.8	5.48	16	33.8	K2	J	14	2186	E -26 1752
6		8.2R	34 19.214	-0.0005	20	-26 39 48.00	0.022	20	0.35	19.222	16	33.8	48.36	16	33.8	K0	J	14	2187	E -26 1753
7		8.2R	34 32.167	-0.0013	12	-22 22 48.45	0.011	12	0.25	32.189	16	33.8	48.62	16	33.8	B9	J	14	2188	E -22 1713
8		9.0R	34 32.837	0.0020	17	-27 40 43.61	0.016	17	0.31	32.805	16	33.8	43.88	16	33.8	M7	J	13B	1887	J -27 1800
9		7.2T	34 33.775	0.0014	13	-27 8 52.96	-0.029	12	0.68	33.704	18	00.0	51.44	18	97.0	F5		GC	5626K	C*-27 1799
10		8.3R	34 37.207	0.0050	20	-26 31 47.91	0.049	20	0.35	37.126	16	33.8	48.69	16	33.8	F5	J	14	2189	E -26 1755
11		8.9A	34 46.203	0.0009	18	-20 12 13.11	-0.110	13	0.30	46.188	16	33.8	11.33	16	33.8	G5	J	13A	1434	A -20 887
12		9.1R	34 50.502	0.0030	12	-28 28 39.97	-0.007	12	0.25	50.454	16	33.8	39.87	16	33.8	K2	J	13B	1890	J -28 1634
13		9.0R	34 55.942	0.0027	18	-26 23 30.34	-0.080	18	0.33	55.898	16	33.8	29.04	16	33.8	K0	J	14	2191	E -26 1762
14		9.0R	34 57.588	0.0013	15	-25 16 22.74	0.017	15	0.29	57.566	16	33.8	23.03	16	33.8	A5	J	14	2192	E -25 1977
15		9.4R	35 0.645	0.0018	18	-26 21 8.11	-0.043	18	0.33	0.616	16	33.8	7.41	16	33.8	K0	J	14	2193	E -26 1763
16		8.0R	35 2.892	0.0002	17	-29 3 8.73	-0.030	17	0.31	2.889	16	33.8	8.25	16	33.8	F8	J	13B	1892	J -29 1805
17		7.6T	35 5.779	0.0020	22	-22 42 53.99	-0.043	20	1.01	5.685	21	03.6	51.99	21	03.2	B9		GC	5636	-22 867
18		8.2R	35 5.858	0.0020	12	-25 39 21.61	0.014	12	0.25	5.826	16	33.8	21.83	16	33.8	G0	J	14	2195	E -25 1978
19		8.0T	35 9.936	0.0013	16	-23 8 54.98	0.005	14	0.77	9.871	18	00.9	55.24	19	00.0	B8		GC	5639	C -23 2052
20		9.5R	35 13.866	0.0055	18	-24 8 50.83	0.066	18	0.33	13.777	16	33.8	51.89	16	33.8	G5	J	14	2197	E -24 2459
21		8.6A	35 22.182	0.0011	18	-20 17 43.97	0.007	13	0.30	22.163	16	33.8	44.08	16	33.8	F8	J	13A	1437	A -20 891
22		8.6R	35 35.957	0.0058	17	-28 16 53.41	0.042	17	0.31	35.862	16	33.8	54.10	16	33.8	F8	J	13B	1896	J -28 1642
23		8.1R	35 41.297	0.0045	18	-26 52 42.70	-0.021	18	0.33	41.225	16	33.8	42.37	16	33.8	A2	J	14	2198	E -27 1806
24		7.1T	35 49.017	-0.0009	28	-20 47 11.22	0.032	26	1.23	49.058	27	06.2	12.69	26	04.7	B8		GC	5656	-20 892
25		9.2R	35 54.018	0.0030	18	-23 1 12.55	-0.004	18	0.33	53.970	16	33.8	12.49	16	33.8	F8	J	14	2199	E -23 2062
26		8.0R	35 59.777	0.0048	15	-27 21 35.00	-0.028	15	0.29	59.699	16	33.8	34.55	16	33.8	K2	J	13B	1900	J -27 1809
27		8.9A	36 1.867	-0.0005	17	-20 56 23.64	-0.029	12	0.28	1.874	16	33.8	23.18	16	33.8	G0	J	13A	1441	A -21 933
28		9.1A	36 8.885	-0.0006	18	-21 29 3.06	0.029	13	0.30	8.895	16	33.8	3.54	16	33.8	A0	J	13A	1442	A -21 934
29		8.7R	36 11.185	0.0001	12	-24 45 25.49	0.008	12	0.25	11.184	16	33.8	25.62	16	33.8	B8	J	14	2200	E -24 2465
30		8.6R	36 20.670	0.0020	15	-26 18 15.03	-0.020	15	0.29	20.637	16	33.8	14.70	16	33.8	F0	J	14	2201K	E -26 1770
31		9.1R	36 25.627	0.0023	13	-24 14 18.79	0.015	13	0.27	25.590	16	33.8	19.02	16	33.8	K5	J	14	2202	E -24 2466
32		9.5R	36 38.112	0.0007	20	-23 50 46.22	-0.022	20	0.35	38.101	16	33.8	45.86	16	33.8	G0	J	14	2203	E -24 2470
33		8.6R	36 41.967	0.0039	15	-27 7 53.97	-0.036	15	0.29	41.904	16	33.8	53.38	16	33.8	G0	J	13B	1906	J -27 1816
34		9.2R	36 50.552	0.0016	18	-22 15 5.68	-0.024	18	0.33	50.525	16	33.8	5.29	16	33.8	G0	J	14	2205	E -22 1736
35		7.3T	36 52.428	0.0008	13	-25 48 13.02	-0.056	12	0.69	52.388	18	99.1	9.99	18	96.2	K0		GC	5675	C -25 1990
36		9.2R	36 55.214	-0.0020	18	-23 51 37.65	0.032	18	0.33	55.247	16	33.8	38.16	16	33.8	F5	J	14	2208	E -24 2473
37		7.6T	36 55.929	0.0010	11	-28 0 33.52	0.000	11	0.61	55.876	18	99.2	33.54	18	98.0	A3		GC	5676	C -28 1652
38		9.2A	37 4.577	-0.0011	18	-20 12 12.27	-0.016	13	0.30	4.595	16	33.8	12.01	16	33.8	G0	J	13A	1451	A -20 899
39		8.6A	37 25.546	-0.0009	20	-21 20 13.50	0.004	15	0.32	25.560	16	33.8	13.57	16	33.8	G0	J	13A	1453	A -21 940
40		7.0A	37 27.671	0.0010	20	-21 20 41.36	0.015	15	0.32	27.656	16	33.8	41.60	16	33.8	G5	J	13A	1454K	A -21 941
41		9.1R	37 31.100	-0.0009	12	-24 26 47.56	0.005	12	0.25	31.114	16	33.8	47.63	16	33.8	F2	J	14	2209	E -24 2484
42		9.0R	37 38.169	-0.0001	20	-28 17 53.18	-0.004	20	0.35	38.171	16	33.8	53.12	16	33.8	A0	J	13B	1915	J -28 1661
43		9.3A	37 38.249	-0.0033	18	-20 9 46.62	-0.015	13	0.30	38.301	16	33.8	46.38	16	33.8	A	J	13A	1457	A -20 904
44		8.7R	37 50.894	-0.0017	20	-27 45 39.69	0.025	20	0.35	50.922	16	33.8	40.10	16	33.8	F5	J	13B	1916	J -27 1825
45		9.0R	37 52.673	0.0008	18	-24 14 30.99	-0.019	18	0.33	52.661	16	33.8	30.68	16	33.8	K7	J	14	2210	E -24 2487
46		8.7R	37 56.276	-0.0011	18	-22 42 38.30	0.004	18	0.33	56.294	16	33.8	38.37	16	33.8	A0	J	14	2211	E -22 1746
47		9.0A	38 0.813	0.0013	18	-21 12 17.93	0.034	13	0.30	0.792	16	33.8	18.49	16	33.8	G5	J	13A	1459	A -21 944
48	9.6	9.5W	38 1.374	-0.0025	21	-29 54 11.62	0.004	21	0.41	1.416	22	33.1	11.69	21	33.1	F5		C7	1753	C -30 1939
49		8.9R	38 1.462	-0.0008	17	-28 38 54.65	0.015	17	0.31	1.476	16	33.8	54.90	16	33.8	K0	J	13B	1917	J -28 1666
50		5.6H	38 1.933	-0.0052	02	-24 34 44.14	0.019	02	0.09	2.097	05	18.3	44.74	05	17.6	K0		F4	1127	C -24 2488
51		8.6A	4 38 10.231	0.0028	18	-20 35 30.98	-0.002	13	0.30	10.186	16	33.8	30.94	16	33.8	K2	J	13A	1461	A -20 906
52		9.0R	38 10.845	0.0011	20	-28 44 42.65	-0.007	20	0.35	10.828	16	33.8	42.55	16	33.8	F5	J	13B	1920	J -28 1668
53		8.9R	38 11.416	-0.0013	13	-24 50 37.80	-0.036	13	0.27	11.437	16	33.8	37.22	16	33.8	K0	J	14	2214	E -24 2492
54		9.1R	38 12.578	-0.0041	20	-29 47 3.80	0.012	20	0.35	12.645	16	33.8	3.99	16	33.8	G0	J	13B	1923	J -29 1826
55		8.5R	38 14.493	-0.0003	00	-27 49 50.39	0.016	20	0.27	14.498	16	33.8	50.65	16	33.8	A2	J	13B	1921	J -27 1831
56		9.5R	38 28.897	0.0004	18	-24 23 50.90	-0.004	18	0.33	28.891	16	33.8	50.83	16	33.8	K0	J	14	2215	E -24 2497
57		8.9R	38 29.185	0.0005	18	-29 40 23.57	-0.046	18	0.33	29.178	16	33.8	22.82	16	33.8	F5	J	13B	1924	J -29 1830
58		9.2R	38 29.731	0.0020	18	-24 29 11.93	-0.071	18	0.33	29.699	16	33.8	10.77	16	33.8	F2	J	14	2216	E -24 2498
59		8.2R	38 31.652	0.0014	20	-26 10 25.73	0.005	20	0.35	31.630	16	33.8	25.81	16	33.8	K0	J	14	2217	E -26 1786
60		8.2K	38 34.359	0.0028	20	-25 52 5.37	0.063	20	0.35	34.314	16	33.8	6.38	16	33.8	F0	J	14	2218	E -26 1787
61		8.6T	38 38.102	0.0012	18	-23 8 52.25	-0.002	20	0.89	38.047	24	04.7	52.17	24	05.4	K0		GC	5703	C -23 2091
62		8.9R	38 38.658	0.0011	20	-27 33 16.91	0.027	20	0.35	38.639	16	33.8	17.34	16	33.8	G0	J	13B	1926	J -27 1832
63		7.6T	38 42.468	-0.0007	11	-28 17 35.73	-0.283	12	0.62	42.502	15	99.1	21.44	17	99.4	G0		GC	5704	C -28 1674
64		9.3R	38 54.866	-0.0004	18	-22 28 47.27	0.032	18	0.33	54.871	16	33.8	47.78	16	33.8	G5	J	14	2221	E -22 1752
65		8.4R	39 0.107	0.0036	17	-29 28 42.37	0.045	17	0.31	0.049	16	33.8	43.10	16	33.8	G0	J	13B	1928	J -29 1833
66		9.1R	39 6.823	0.0021	18	-23 40 52.30	0.011	18	0.33	6.789	16	33.8	52.47	16	33.8	G5	J	14	2222	E -23 2097
67		9.2R	39 15.504	0.0009	15	-25 10 21.96	0.040	15	0.29	15.489	16	33.8	22.62	16	33.8	G5	J	14	2223	E -25 2009
68		9.5R	39 17.527	-0.0023	18	-27 42 29.50	-0.004	18	0.33	17.565	16	33.8	29.44	16	33.8	G5	J	13B	1930	J -27 1842
69		9.2R	39 18.874	0.0006	12	-29 45 44.73	0.011	12	0.25	18.864	16	33.8	44.91	16	33.8	F5	J	13B	1931	J -29 1835
70		7.9R	39 25.220	0.0013	13	-24 4 16.69	0.003	13	0.27	25.200	16	33.8	16.73	16	33.8	M2	J	14	2224	E -24 2510
71		9.0A	39 31.745	0.0031	18	-20 12 6.13	0.026	13	0.30	31.695	16	33.8	6.55	16	33.8	G5	J	13A	1467	A -20 910
72		9.4R	39 33.780	0.0008	18	-26 40 38.97	-0.027	18	0.33	33.768	16	33.8	38.54	16	33.8	F8	J	14	2225	E -26 1791
73		8.9A	39 33.879	0.0026	18	-21 27 19.26	0.025	13	0.30	33.837	16	33.8	19.68	16	33.8	G5	J	13A	1468	A -21 948
74		8.9R	39 34.111	0.0036	12	-29 8 55.92	-0.042	12	0.25	34.053	16	33.8	55.25	16	33.8	G0	J	13B	1933	J -29 1837
75		8.9R	39 49.680	-0.0001	18	-26 31 43.02	-0.031	18	0.33	49.682	16	33.8	42.53	16	33.8	A2	J	14	2228	E -26 1792
76		8.9R	39 53.937	0.0007	15	-22 41 37.72	0.004	15	0.29	53.925	16	33.8	37.79	16	33.8	K2	J	14	2227	E -22 1762
77		9.1R	40 1.178	-0.0011	15	-26 1 32.20	-0.026	15	0.29	1.196	16	33.8	31.78	16	33.8	K	J	14	2229	E -26 1793
78		8.8A	40 2.819	0.0031	17	-21 41 21.48	-0.049	12	0.28	2.769	16	33.8	20.68	16	33.8	K0	J	13A	1469	A -21 951
79		8.5R	40 5.455	-0.0028	12	-29 43 36.94	0.036	12	0.25	5.500	16	33.8	37.52	16	33.8	F5	J	13B	1937	J -29 1844
80		7.0T	40 15.412	-0.0028	10	-23 16 19.00	-0.031	08	0.50	15.560	17	96.4	17.35	15	96.4	K5		GC	5737	C -23 2106
81		7.5A	40 22.192	0.0015	18	-21 4 0.07	0.010	13	0.30	22.167	16	33.8	0.23	16	33.8	+++	J	13A	1470	A -21 953
82		8.8R	40 22.506	0.0035	12	-29 48 12.73	-0.187	12	0.25	22.449	16	33.8	9.71	16	33.8	G5	J	13B	1939	J -29 1847
83		9.2R	40 32.620	0.0023	15	-26 43 59.35	0.083	15	0.29	32.583	16	33.8	+ 0.68	16	33.8	G0	J	14	2234	E -26 1797
84		8.9R	40 34.849	0.0035	18	-21 56 18.58	-0.037	18	0.33	34.792	16	33.8	17.98	16	33.8	G5	J	14	2232	E -22 1771
85		8.9A	40 38.355	0.0016	20	-20 13 59.76	-0.013	15	0.32	38.328	16	33.8	59.55	16	33.8	M0	J	13A	1475	A -20 916
86		9.5R	40 46.068	0.0008	20	-22 6 8.85	-0.053	20	0.35	46.055	16	33.8	7.99	16	33.8	F2	J	14	2235	E -22 1776
87		9.0R	40 49.999	0.0002	18	-22 19 13.87	0.014	18	0.33	49.995	16	33.8	14.09	16	33.8	K0	J	14	2236	E -22 1781
88		8.5R	40 52.556	0.0021	15	-27 6 53.35	0.013	15	0.29	52.523	16	33.8	53.57	16	33.8	K0	J	13B	1940	J -27 1857
89		8.0R	40 53.436	0.0037	17	-24 23 41.93	0.049	17	0.31	53.377	16	33.8	42.71	16	33.8	F0	J	14	2237	E -24 2529
90		8.5R	40 56.039	0.0011	18	-22 24 54.47	0.017	18	0.33	56.021	16	33.8	54.74	16	33.8	G0	J	14	2238K	E -22 1782
91		8.8R	40 56.243	0.0010	15	-26 20 43.96	0.010	15	0.29	56.227	16	33.8	44.12	16	33.8	F0	J	14	2239	E -26 1801
92		8.2R	41 2.764	-0.0020	18	-23 56 22.11	-0.021	18	0.33	2.797	16	33.8	21.76	16	33.8	K2	J	14	2240	E -24 2530
93		9.2R	41 5.305	0.0027	12	-24 35 43.40	0.010	12	0.25	5.261	16	33.8	43.56	16	33.8	F8	J	14	2241K	E -24 2531
94		7.6R	41 10.886	0.0030	18	-23 43 15.01	-0.007	18	0.33	10.838	16	33.8	14.89	16	33.8	F2	J	14	2242	B -23 2115
95		9.4R	41 22.682	0.0026	15	-22 30 39.93	-0.060	15	0.29	22.640	16	33.8	38.96	16	33.8	K0	J	14	2243	E -22 1784
96		8.7A	41 27.363	-0.0021	20	-20 53 14.42	0.013	15	0.32	27.397	16	33.8	14.64	16	33.8	A0	J	13A	1480	A -21 957
97		9.1A	41 27.967	-0.0024	18	-20 7 36.79	-0.084	13	0.30	28.006	16	33.8	35.44	16	33.8	G5	J	13A	1479	A -20 920
98		8.9A	41 29.666	-0.0012	18	-20 49 16.70	-0.018	15	0.31	29.685	16	33.8	16.41	16	33.8	F0	J	13A	1481	A -21 958
99		8.7R	41 34.864	-0.0024	12	-28 45 23.89	-0.002	12	0.25	34.904	16	33.8	23.86	16	33.8	K0	J	13B	1943	J -28 1698
00		8.7A	41 35.309	0.0038	20	-21 32 5.53	0.013	15	0.32	35.248	16	33.8	5.74	16	33.8	F8	J	13A	1482	A -21 959

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EPOCH 1950 | ORIGINAL EPOCH | -20° 4H

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	CAT.	STAR NUMBER	DM NUMBER
1		9.5R	4 41 36.167	0.0028	17	-23 15 12.87	-0.085	17	0.31	36.122	16	33.8	11.50	16	33.8	G5 J	14	2244	E -23 2119
2		7.0A	41 36.800	-0.0026	20	-20 26 38.71	-0.021	15	0.32	36.842	16	33.8	38.37	16	33.8	G5 J	13A	1483	A -20 923
3		8.3R	41 45.248	0.0007	18	-24 52 17.61	0.031	15	0.31	45.238	16	33.8	18.11	16	33.8	A3 J	14	2245	E -25 2027
4		8.3A	41 53.729	0.0034	20	-21 11 55.74	0.003	15	0.32	53.674	16	33.8	55.80	16	33.8	G5 J	13A	1485	A -21 960
5		9.1R	41 54.043	-0.0021	15	-24 13 4.65	-0.019	15	0.29	54.077	16	33.8	4.54	16	33.8	G5 J	14	2246	E -24 2538
6		9.1R	41 58.736	-0.0009	20	-22 21 23.08	-0.023	20	0.35	58.750	16	33.8	22.70	16	33.8	K0 J	14	2247	E -22 1786
7		8.1R	41 58.952	0.0025	15	-26 0 37.20	-0.047	15	0.29	58.911	16	33.8	36.44	16	33.8	F0 J	14	2248	E -26 1812
8		9.0R	42 1.904	0.0007	15	-25 25 9.68	-0.069	15	0.29	1.893	16	33.8	8.57	16	33.8	G0 J	14	2249	E -25 2028
9		8.9R	42 4.863	-0.0007	12	-28 46 26.53	-0.021	12	0.25	4.874	16	33.8	26.20	16	33.8	K0 J	13B	1944	J -28 1705
10		9.2R	42 9.920	0.0026	13	-24 34 33.83	0.015	13	0.27	9.879	16	33.8	34.07	16	33.8	G0 J	14	2250	E -24 2341
11		9.0R	42 10.671	0.0091	12	-28 19 27.00	0.024	12	0.25	10.524	16	33.8	27.40	16	33.8	G0 J	13B	1946	J -28 1707
12		7.0T	42 14.530	0.0019	06	-27 40 8.36	-0.018	05	0.28	14.439	09	02.9	7.50	10	01.5	K2	GC	5783	C -27 1869
13		8.6R	42 27.453	-0.0012	18	-27 20 14.05	0.032	18	0.33	27.473	16	33.8	14.58	16	33.8	K0 J	13B	1949	J -27 1871
14		7.4T	42 28.810	-0.0020	10	-28 2 24.20	0.013	07	0.48	28.910	15	99.0	24.92	15	96.0	G5	GC	5787	C -28 1712
15		9.5R	42 29.526	0.0017	18	-26 36 36.78	-0.069	18	0.33	29.499	16	33.8	35.67	16	33.8	K0 M	14	2252	E -26 1816
16		9.5R	42 33.026	-0.0005	12	-22 30 15.91	0.018	12	0.25	33.034	16	33.8	16.21	16	33.8	F5 J	14	2251	E -22 1791
17		8.5R	42 33.963	-0.0027	15	-25 47 15.65	0.004	15	0.29	34.007	16	33.8	15.71	16	33.8	A5 J	14	2255	E -25 2031
18		9.1R	42 34.084	0.0045	20	-23 47 6.70	-0.039	20	0.35	34.012	16	33.8	6.06	16	33.8	F8 J	14	2253	E -23 2130
19		8.6A	42 35.483	0.0028	18	-20 6 20.46	0.048	13	0.30	35.438	16	33.8	21.23	16	33.8	G5 J	13A	1491	A -20 924
20		8.9R	42 37.998	-0.0014	13	-23 46 50.07	-0.028	13	0.27	38.021	16	33.8	49.61	16	33.8	K0 M	14	2256	E -23 2131
21		8.7R	42 40.076	0.0019	15	-24 0 49.78	-0.006	15	0.29	40.046	16	33.8	49.68	16	33.8	F5 J	14	2257	E -24 2545
22		8.7R	42 42.362	0.0001	18	-26 47 51.66	-0.066	18	0.33	42.360	16	33.8	50.60	16	33.8	A5 J	14	2259	E -26 1820
23		9.2R	42 42.446	0.0016	18	-22 46 5.49	0.031	18	0.33	42.420	16	33.8	6.00	16	33.8	K0 M	14	2258	E -22 1793
24		8.3A	42 45.156	-0.0008	20	-20 21 52.89	0.008	15	0.32	45.169	16	33.8	53.02	16	33.8	K2 J	13A	1493	A -20 925
25		7.8R	42 45.231	-0.0028	18	-26 51 33.63	-0.004	18	0.33	45.277	16	33.8	33.57	16	33.8	K0 J	14	2260	E -27 1875
26		8.7R	42 52.451	-0.0009	18	-22 56 18.49	0.011	18	0.33	52.466	16	33.8	18.68	16	33.8	K5 J	14	2261	E -23 2132
27		6.0T	42 55.020	0.0009	08	-21 22 26.13	-0.024	07	0.32	54.984	09	08.4	25.14	09	08.1	K2	GC	5794	-21 966
28		9.2R	42 55.150	0.0037	18	-22 11 47.04	0.069	18	0.33	55.090	16	33.8	48.15	16	33.8	G0 J	14	2262	E -22 1794
29		9.2R	42 58.557	0.0021	15	-25 25 11.49	0.020	15	0.29	58.523	16	33.8	11.81	16	33.8	K2 M	14	2263	E -25 2034
30		8.7R	42 59.354	0.0028	18	-26 54 4.70	-0.002	18	0.33	59.309	16	33.8	4.67	16	33.8	G5 J	13B	1951	J#-27 1876
31		9.3R	43 6.786	-0.0014	20	-26 41 3.46	0.025	20	0.35	6.810	16	33.8	3.87	16	33.8	A7 M	14	2265	E -26 1826
32		9.0A	43 7.139	0.0007	20	-22 35 12.66	0.017	15	0.32	7.129	16	33.8	12.94	16	33.8	K0 J	13A	1497	A -22 905
33		9.1R	43 7.376	-0.0000	18	-23 55 24.09	0.020	18	0.33	7.377	16	33.8	24.40	16	33.8	K2 J	14	2264	E -24 2554
34		9.3R	43 9.811	-0.0005	12	-29 53 12.71	-0.037	12	0.25	9.820	16	33.8	12.11	16	33.8	F5 M	13B	1952	J -30 1984
35		8.6R	43 11.293	-0.0017	18	-24 13 20.32	-0.003	18	0.33	11.321	16	33.8	20.26	16	33.8	A5 J	14	2266	E -24 2556
36		8.0R	43 15.730	-0.0007	18	-26 7 45.83	0.019	18	0.33	15.742	16	33.8	46.13	16	33.8	K5 J	14	2267	E -26 1827
37		9.6R	43 22.248	0.0043	15	-24 32 59.06	0.038	15	0.29	22.178	16	33.8	59.67	16	33.8	A7 M	14	2269	E -24 2560
38		9.4R	43 23.671	-0.0044	13	-22 32 41.88	0.026	13	0.27	23.742	16	33.8	42.30	16	33.8	K0 M	14	2268	E -22 1803
39		8.1R	43 41.222	-0.0019	20	-28 44 55.37	-0.086	20	0.35	41.253	16	33.8	53.99	16	33.8	K0 J	13B	1955	J -28 1729
40		9.0R	43 53.717	0.0007	15	-23 22 42.69	-0.021	15	0.29	53.706	16	33.8	42.36	16	33.8	G0 J	14	2271	E -23 2141
41		9.3R	43 55.549	-0.0013	17	-29 52 2.48	0.030	17	0.31	55.570	16	33.8	2.96	16	33.8	G5 M	13B	1959	J -30 1994
42		8.7R	43 56.263	0.0049	18	-27 8 18.31	-0.040	18	0.33	56.184	16	33.8	17.67	16	33.8	G5 J	13B	1958	J -27 1884
43		9.2R	44 0.352	0.0029	18	-24 51 43.08	0.090	18	0.33	0.305	16	33.8	44.53	16	33.8	G5 J	14	2272	E -25 2043
44		7.4T	44 0.440	0.0042	13	-25 14 57.80	0.046	12	0.70	0.218	17	96.8	+ 0.45	15	92.9	F2	GC	5818	C -25 2044
45		9.4R	44 3.698	0.0015	18	-27 12 29.74	-0.002	18	0.33	3.673	16	33.8	29.71	16	33.8	K5 M	13B	1960	J -27 1887
46		8.6A	44 3.939	0.0012	17	-21 33 8.92	-0.004	12	0.28	3.919	16	33.8	8.85	16	33.8	F0 J	13A	1498K	A -21 970
47		8.5R	44 6.864	0.0113	17	-29 9 7.45	0.065	17	0.31	6.682	16	33.8	8.51	16	33.8	G0 J	13B	1963	J -29 1870
48		9.3R	44 7.009	0.0013	18	-27 29 5.88	0.020	18	0.33	6.988	16	33.8	6.21	16	33.8	G0 J	13B	1962	J -27 1888
49		9.5R	44 7.298	0.0009	18	-26 31 34.19	0.022	18	0.33	7.284	16	33.8	34.55	16	33.8	K0 M	14	2274	E -26 1831
50		9.2R	44 15.590	-0.0024	15	-23 36 37.75	0.047	15	0.29	15.630	16	33.8	38.50	16	33.8	G5 J	14	2275	E -23 2147
51		9.0R	4 44 21.938	-0.0024	18	-27 21 19.30	0.026	18	0.33	21.978	16	33.8	19.73	16	33.8	K0 M	13B	1966	J -27 1890
52		6.0M	44 25.890	0.0000	02	-28 10 36.31	0.015	02	0.08	25.889	04	21.5	36.75	04	20.0	A2	F4	1132	C -28 1735
53		9.2A	44 32.257	0.0023	20	-22 22 55.76	0.012	15	0.32	32.220	16	33.8	55.95	16	33.8	G0 J	13A	1501	A -22 913
54		9.0R	44 39.458	0.0006	18	-26 50 40.52	-0.030	18	0.33	39.449	16	33.8	40.04	16	33.8	F8 M	14	2277	E -26 1839
55		8.9A	44 41.831	0.0020	18	-21 11 44.60	0.017	13	0.30	41.798	16	33.8	44.89	16	33.8	K0 J	13A	1503	A -21 975
56		8.7A	44 42.323	-0.0022	20	-21 46 35.42	-0.006	15	0.32	42.359	16	33.8	35.32	16	33.8	A5 J	13A	1504	A -21 976
57		9.3R	44 45.513	0.0027	18	-27 23 27.92	0.002	18	0.33	45.470	16	33.8	27.96	16	33.8	A0 J	13B	1968	J -27 1895
58		9.2R	44 46.851	-0.0021	20	-22 53 54.58	-0.023	20	0.35	46.885	16	33.8	54.21	16	33.8	K5 M	14	2278	E -23 2151
59		7.7R	44 47.027	0.0023	15	-26 23 27.74	-0.024	15	0.29	46.989	16	33.8	27.35	16	33.8	F0 J	14	2280	E -26 1842
60		7.2T	44 48.118	0.0016	22	-21 18 1.07	0.005	22	1.00	48.050	18	06.8	1.31	18	05.9	G5	GC	5832	-21 977
61	10.5	10.6W	44 49.326	-0.0030	21	-29 59 45.84	-0.027	21	0.41	49.376	22	33.1	45.39	21	33.1	F5 L	C7	1800	C -30 2001
62		9.2R	44 55.304	-0.0000	17	-22 42 16.77	-0.012	17	0.31	55.305	16	33.8	16.58	16	33.8	F8 M	14	2281	E -22 1813
63		9.0R	44 58.260	-0.0008	12	-29 22 44.96	0.008	12	0.25	58.273	16	33.8	45.09	16	33.8	G5 M	13B	1971	J -29 1873
64		7.5T	45 1.008	-0.0008	11	-29 29 46.41	-0.002	13	0.66	1.052	18	97.4	46.32	18	98.0	K0	GC	5836	C -29 1874
65		9.1R	45 2.184	0.0005	18	-23 45 53.65	-0.015	18	0.33	2.177	16	33.8	53.40	16	33.8	K2 M	14	2282	E -23 2161
66		8.3R	45 4.080	-0.0018	12	-29 51 1.05	-0.002	12	0.25	4.109	16	33.8	1.02	16	33.8	F2 J	13B	1973	J -29 1876
67		9.1R	45 4.872	-0.0024	15	-22 17 35.68	-0.013	15	0.29	4.910	16	33.8	35.46	16	33.8	K0 M	14	2283	E -22 1815
68		8.6R	45 15.563	-0.0003	15	-25 14 16.35	-0.028	15	0.29	15.567	16	33.8	15.90	16	33.8	K0 J	14	2286	E -25 2054
69		9.0R	45 15.911	0.0036	17	-22 38 51.44	-0.098	17	0.31	15.852	16	33.8	49.86	16	33.8	G5 J	14	2285	E -22 1816
70		8.7R	45 23.386	-0.0019	17	-23 2 13.96	-0.160	17	0.31	23.417	16	33.8	11.38	16	33.8	K0 J	14	2287	E -23 2167
71		8.6R	45 23.766	0.0014	15	-26 51 38.01	0.025	12	0.27	23.744	16	33.8	38.42	16	33.8	F2 J	14	2288	E -27 1901
72		9.1R	45 30.959	-0.0057	18	-23 36 34.21	0.023	18	0.33	31.052	16	33.8	34.57	16	33.8	G0 J	14	2289	E -23 2169
73		8.8A	45 31.140	0.0012	18	-20 28 51.85	-0.015	13	0.30	31.121	16	33.8	51.61	16	33.8	K2 J	13A	1507	A -20 934
74		8.7A	45 36.147	0.0010	18	-20 1 55.74	0.046	13	0.30	36.131	16	33.8	56.48	16	33.8	G0 J	13A	1508	A -20 935
75		8.9R	45 39.059	0.0041	15	-26 18 12.78	-0.024	15	0.29	38.993	16	33.8	12.39	16	33.8	K0 J	14	2290	E -26 1845
76		9.5R	45 46.713	-0.0009	18	-26 40 42.10	-0.015	18	0.33	46.728	16	33.8	41.87	16	33.8	K0 M	14	2292	E -26 1846
77		9.5R	45 47.300	0.0011	17	-23 54 4.38	0.017	17	0.31	47.282	16	33.8	4.65	16	33.8	G0 M	14	2291	E -24 2585
78		9.2R	45 56.614	-0.0032	12	-28 14 48.68	0.028	12	0.25	56.665	16	33.8	49.14	16	33.8	G0 M	13B	1977	J -28 1753
79		8.5A	46 6.096	-0.0005	18	-21 0 5.36	-0.045	15	0.31	6.904	16	33.8	4.64	16	33.8	F2 J	13A	1512	A -21 982
80		9.1R	46 17.014	0.0034	18	-26 56 25.98	-0.002	18	0.33	16.959	16	33.8	25.94	16	33.8	G0 J	13B	1979	J -27 1907
81		8.4A	46 25.512	-0.0012	18	-20 30 54.83	-0.062	13	0.30	25.531	16	33.8	53.84	16	33.8	F8 J	13A	1514	A -20 939
82		8.7R	46 28.309	0.0212	17	-28 30 24.16	0.048	12	0.28	27.967	16	33.8	24.94	16	33.8	G5 J	13B	1981	J -28 1759
83		9.4R	46 32.893	-0.0007	20	-24 43 27.67	0.012	20	0.35	32.905	16	33.8	27.86	16	33.8	G0 M	14	2293	E -24 2589
84		8.7R	46 33.172	0.0003	12	-25 1 41.60	-0.026	12	0.25	33.167	16	33.8	41.19	16	33.8	K0 J	14	2295	E -25 2067
85		8.6R	46 33.808	0.0022	13	-24 19 7.26	-0.006	13	0.27	33.851	16	33.8	7.16	16	33.8	K5 J	14	2294	E -24 2590
86		8.9R	46 38.081	-0.0009	15	-23 47 7.07	0.017	15	0.29	38.096	16	33.8	7.34	16	33.8	A2 J	14	2296	E -23 2180
87		9.4R	46 42.132	0.0003	20	-23 48 11.82	-0.035	20	0.35	42.127	16	33.8	11.25	16	33.8	F8 M	14	2297	E -23 2181
88		8.1R	46 43.461	0.0030	18	-23 21 47.40	-0.178	18	0.33	43.413	16	33.8	44.53	16	33.8	F8 J	14	2298	E -23 2182
89		9.6R	46 54.122	0.0003	17	-22 29 27.79	-0.082	17	0.31	54.117	16	33.8	26.46	16	33.8	K0 M	14	2299	E -22 1829
90		8.0R	46 59.396	-0.0101	20	-28 48 39.37	0.070	20	0.35	59.560	16	33.8	40.51	16	33.8	G5 J	13B	1984	J -28 1766
91		9.6R	46 59.676	0.0032	18	-24 35 48.19	-0.005	18	0.33	59.624	16	33.8	48.11	16	33.8	F0 M	14	2301	E -24 2595
92		9.3R	47 0.283	-0.0011	15	-26 42 21.09	-0.159	15	0.29	0.301	16	33.8	18.52	16	33.8	G5 M	14	2303	E -26 1854
93		8.1R	47 2.070	-0.0030	17	-21 58 37.57	-0.016	17	0.31	2.117	16	33.8	37.31	16	33.8	K0 J	14	2300	E -22 1831
94		8.1R	47 4.680	-0.0006	15	-23 8 51.18	-0.001	15	0.29	4.690	16	33.8	51.17	16	33.8	K2 J	14	2302	E -23 2183
95		9.1R	47 8.702	-0.0000	20	-22 48 54.85	-0.003	20	0.35	8.703	16	33.8	54.81	16	33.8	A0 J	14	2304	E -22 1834
96		9.1R	47 9.441	0.0005	18	-22 48 29.75	-0.009	18	0.33	9.433	16	33.8	29.61	16	33.8	A0 J	14	2305	E -22 1834
97		9.0R	47 40.474	-0.0011	17	-23 58 35.02	-0.009	17	0.31	40.492	16	33.8	34.87	16	33.8	K0 J	14	2306	E -24 2603
98		8.8A	47 46.450	0.0075	20	-21 2 29.05	0.108	15	0.32	46.329	16	33.8	30.80	16	33.8	G0 J	13A	1517	A -21 990
99		9.2R	47 50.405	-0.0012	12	-22 19 57.08	0.031	12	0.25	50.423	16	33.8	57.57	16	33.8	K2 J	14	2308	E -22 1843
00		9.2R	47 53.096	0.0025	18	-24 7 18.25	-0.029	18	0.33	53.056	16	33.8	17.77	16	33.8	G5 M	14	2309	E -24 2610

169800

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	EPOCH 1950 μ s	EPOCH 1950 σ_μ ″.001	EPOCH 1950 δ_{1950} ° ′ ″	EPOCH 1950 μ' ″	EPOCH 1950 σ'_μ ″.001	EPOCH 1950 σ_{1950} ″	ORIGINAL EPOCH α_2 s	ORIGINAL EPOCH σ ″.01	ORIGINAL EPOCH ep.	ORIGINAL EPOCH δ_2 ″	ORIGINAL EPOCH σ' ″.01	ORIGINAL EPOCH ep.	SP.		SOURCE CAT.	SOURCE STAR NUMBER	-20° 4H DM NUMBER
1		9.4R	4 47 58.725	0.0018	20	-24 41 37.98	0.108	20	0.35	58.696	16	33.8	39.72	16	33.8	K0	M	14	2310	E -24 2612
2		8.7R	48 5.734	-0.0016	18	-24 45 16.85	0.053	18	0.33	5.760	16	33.8	17.70	16	33.8	K0	J	14	2311	E -24 2615
3		8.7R	48 9.532	-0.0137	12	-25 57 51.88	0.099	12	0.25	9.311	16	33.8	53.47	16	33.8	G5	J	14	2312	E -26 1859
4		9.1R	48 10.544	-0.0001	18	-26 12 56.35	-0.001	18	0.33	10.545	16	33.8	56.33	16	33.8	G5	J	14	2314	E -26 1860
5		8.0R	48 12.903	0.0002	15	-24 27 11.66	-0.026	15	0.29	12.899	16	33.8	11.23	16	33.8	G5	J	14	2313	E -24 2616
6		8.6R	48 22.537	0.0047	18	-28 41 14.45	-0.025	18	0.33	22.461	16	33.8	14.05	16	33.8	G0	J	13B	1992	J -28 1788
7		8.8R	48 26.176	0.0033	18	-26 6 43.98	0.004	18	0.33	26.123	16	33.8	44.04	16	33.8	K2	M	14	2316	E -26 1864
8		9.0R	48 28.428	0.0024	15	-23 22 29.50	-0.029	15	0.29	28.389	16	33.8	29.04	16	33.8	K0	J	14	2315	E -23 2196
9		8.8R	48 28.512	-0.0015	12	-29 45 44.48	-0.043	12	0.25	28.536	16	33.8	43.78	16	33.8	K0	M	13B	1994	J -29 1905
10		7.6T	48 30.701	0.0012	10	-27 11 6.36	0.022	11	0.59	30.635	17	95.2	7.54	15	97.7	K0		GC	5909	C -27 1930
11		8.2R	48 44.859	-0.0023	15	-29 51 39.19	-0.144	15	0.29	44.897	16	33.8	36.86	16	33.8	G0	J	13B	1995	J -29 1909
12		9.1A	48 48.917	-0.0006	18	-21 20 45.06	0.001	13	0.30	48.927	16	33.8	45.09	16	33.8	G5	J	13A	1522	A -21 992
13		7.7R	48 51.421	-0.0012	18	-26 12 45.44	-0.052	18	0.33	51.440	16	33.8	44.60	16	33.8	K0	J	14	2317	E -26 1869
14		8.7R	49 3.210	0.0022	18	-27 36 12.66	-0.023	18	0.33	3.175	16	33.8	12.29	16	33.8	F5	J	13B	1997	J -27 1931
15		6.9T	49 4.007	0.0015	11	-25 23 37.99	0.006	11	0.65	3.927	17	95.8	38.34	17	94.1	A0		GC	5925	C*-25 2080
16		9.6R	49 10.491	-0.0040	20	-23 29 27.37	0.012	20	0.35	10.557	16	33.8	27.57	16	33.8	G5	M	14	2319	E -23 2202
17		9.0A	49 13.420	0.0044	18	-21 13 11.99	-0.043	13	0.30	13.349	16	33.8	11.31	16	33.8	K0	J	13A	1524	A -21 993
18		8.9R	49 15.951	-0.0007	15	-25 54 52.60	-0.004	15	0.29	15.963	16	33.8	52.53	16	33.8	F0	J	14	2321	E -26 1873
19		9.5R	49 17.801	-0.0003	20	-24 33 52.91	0.039	20	0.35	17.806	16	33.8	53.54	16	33.8	A5	M	14	2322	E -24 2629
20		8.6R	49 21.660	-0.0015	13	-24 3 13.01	0.005	13	0.27	21.685	16	33.8	13.09	16	33.8	K7	M	14	2323	E -24 2631
21		9.0R	49 26.073	-0.0012	12	-22 24 15.12	0.009	12	0.25	26.091	16	33.8	15.26	16	33.8	F8	J	14	2324	E -22 1855
22		9.5R	49 26.826	0.0016	17	-22 15 0.80	-0.006	17	0.31	26.800	16	33.8	0.70	16	33.8	K0	M	14	2325	E -22 1856
23		8.7R	49 37.199	0.0025	13	-24 27 2.15	0.026	13	0.27	37.159	16	33.8	2.56	16	33.8	K2	J	14	2326	E -24 2634
24		9.0A	49 40.990	-0.0013	18	-20 29 31.37	-0.015	13	0.30	41.012	16	33.8	31.13	16	33.8	F8	J	13A	1526	A -20 947
25		9.5R	49 55.610	0.0020	18	-22 56 15.79	-0.051	18	0.33	55.577	16	33.8	14.97	16	33.8	G0	M	14	2327	E -23 2216
26		9.4R	49 58.994	0.0002	18	-26 10 48.37	0.009	18	0.33	58.990	16	33.8	48.51	16	33.8	K0	M	14	2328	E -26 1879
27		9.0R	50 1.173	-0.0005	12	-28 8 23.40	0.017	12	0.25	1.181	16	33.8	23.69	16	33.8	G0	J	13B	2000	J -28 1807
28		9.0R	50 8.187	0.0119	18	-27 8 46.98	-0.065	18	0.33	7.995	16	33.8	45.94	16	33.8	F5	J	13B	2001	J -27 1935
29		9.5R	50 18.343	0.0001	17	-22 12 37.61	-0.001	17	0.31	18.340	16	33.8	37.59	16	33.8	K0	J	14	2329	E -22 1859
30		9.0R	50 19.190	-0.0010	17	-24 50 37.77	0.002	17	0.31	19.207	16	33.8	37.80	16	33.8	K5	M	14	2330	E -24 2643
31		9.0A	50 19.923	-0.0061	18	-20 59 52.52	0.010	13	0.30	20.022	16	33.8	52.69	16	33.8	F5	J	13A	1530	A -21 998
32		8.4R	50 21.808	0.0039	12	-29 30 52.01	-0.015	12	0.25	21.745	16	33.8	51.77	16	33.8	G5	J	13B	2002	J -29 1921
33		8.6A	50 26.470	-0.0003	18	-21 39 19.86	0.005	13	0.30	26.474	16	33.8	19.94	16	33.8	A2	J	13A	1531	A -21 1000
34		8.5R	50 28.199	0.0059	18	-23 58 34.47	-0.053	18	0.33	28.105	16	33.8	33.61	16	33.8	G0	J	14	2331	E -24 2646
35		8.5R	50 32.203	-0.0012	18	-26 4 32.12	-0.072	18	0.33	32.222	16	33.8	30.95	16	33.8	G5	J	14	2333	E -26 1884
36		9.3R	50 35.594	-0.0014	18	-22 32 32.36	0.027	18	0.33	35.617	16	33.8	32.80	16	33.8	K	M	14	2332	E -22 1862
37		7.6T	50 38.613	0.0007	18	-25 51 21.47	-0.080	14	0.83	38.580	19	01.9	17.38	19	99.1	F5		GC	5959	C*-25 2094
38		8.1R	50 46.131	0.0010	18	-25 25 58.98	0.000	18	0.33	46.115	16	33.8	58.98	16	33.8	K2	J	14	2335	E -25 2097
39		9.3R	50 46.798	-0.0020	18	-26 52 13.17	-0.043	18	0.33	46.831	16	33.8	12.48	16	33.8	K0	M	14	2336	E -27 1939
40		9.2R	50 51.543	0.0001	15	-24 19 35.70	0.029	15	0.29	51.542	16	33.8	36.16	16	33.8	K5	M	14	2337	E -24 2654
41		9.3R	50 55.628	0.0008	13	-21 58 33.07	0.031	13	0.27	55.615	16	33.8	33.57	16	33.8	F5	J	14	2338	E -22 1864
42		9.5R	50 56.186	0.0008	20	-24 35 37.70	-0.062	20	0.35	56.173	16	33.8	36.70	16	33.8	G0	M	14	2339	E -24 2657
43		9.0A	50 56.198	-0.0018	20	-21 27 46.34	-0.002	15	0.32	56.228	16	33.8	46.32	16	33.8	G0	J	13A	1535	A -21 1002
44		9.1R	50 57.085	-0.0035	18	-24 19 22.39	0.053	18	0.33	57.142	16	33.8	23.24	16	33.8	F5	J	14	2340	E -24 2658
45		9.3R	50 59.314	0.0021	18	-24 50 48.77	-0.040	18	0.33	59.281	16	33.8	48.12	16	33.8	G5	M	14	2341	E -24 2661
46		9.0R	50 59.551	-0.0034	12	-29 53 8.27	0.002	12	0.25	59.606	16	33.8	8.30	16	33.8	K0	M	13B	2006	J -30 2053
47		6.9T	51 2.737	-0.0015	14	-20 51 13.14	-0.027	13	0.75	2.817	21	98.2	11.72	18	96.4	A3		GC	5965K	-21 1003
48		9.0R	51 4.351	0.0034	12	-28 46 0.60	-0.047	12	0.25	4.296	16	33.8	-59.85	16	33.8	G5	M	13B	2007	J -28 1815
49		9.0R	51 6.653	-0.0022	20	-22 46 33.88	-0.014	20	0.35	6.689	16	33.8	33.66	16	33.8	G0	M	14	2342	E -22 1867
50		9.1R	51 12.577	-0.0003	12	-29 46 49.47	0.000	12	0.25	12.582	16	33.8	49.47	16	33.8	A2	J	13B	2008	J -29 1929
51		8.6A	4 51 15.227	-0.0012	20	-21 44 34.96	-0.029	15	0.32	15.246	16	33.8	34.49	16	33.8	K0	J	13A	1539	A -21 1005
52		8.5A	51 26.572	0.0003	18	-21 37 3.39	-0.008	13	0.30	26.567	16	33.8	3.26	16	33.8	K5	J	13A	1540	A -21 1006
53		9.3R	51 26.699	0.0033	17	-22 16 1.35	0.031	17	0.31	26.645	16	33.8	1.85	16	33.8	G5	M	14	2343	E -22 1869
54		9.1R	51 28.309	-0.0028	12	-28 57 17.99	0.040	12	0.25	28.353	16	33.8	18.64	16	33.8	K0	M	13B	2009	J -29 1932
55		9.0R	51 29.109	-0.0012	18	-25 13 58.39	-0.032	18	0.33	29.127	16	33.8	57.88	16	33.8	F2	J	14	2345	E -25 2104
56		9.1R	51 32.070	0.0002	17	-23 33 22.07	-0.075	17	0.31	32.067	16	33.8	20.85	16	33.8	G5	J	14	2346	E -23 2235
57		8.5A	51 32.411	-0.0003	18	-20 21 58.02	0.010	13	0.30	32.417	16	33.8	58.18	16	33.8	G5	J	13A	1541	A -20 955
58		9.1R	51 34.247	-0.0028	12	-25 25 52.32	0.061	17	0.28	34.292	16	33.8	53.32	16	33.8	K0	M	14	2347	E -25 2105
59		8.0R	51 35.071	-0.0008	18	-26 9 45.28	0.046	18	0.33	35.084	16	33.8	46.02	16	33.8	K2	J	14	2348	E -26 1890
60		8.2R	51 43.187	-0.0023	20	-27 46 55.80	-0.019	20	0.35	43.225	16	33.8	55.48	16	33.8	K0	J	13B	2010	J -27 1952
61		8.5R	51 47.751	-0.0019	18	-26 30 34.63	-0.031	18	0.33	47.782	16	33.8	34.14	16	33.8	K0	J	14	2350	E -26 1891
62		9.1R	51 48.400	-0.0002	17	-22 15 36.31	-0.040	17	0.31	48.403	16	33.8	35.66	16	33.8	K0	M	14	2349	E -22 1873
63		8.8R	51 50.257	0.0023	17	-29 3 51.46	-0.070	17	0.31	50.220	16	33.8	50.33	16	33.8	F2	J	13B	2011	J -29 1935
64		8.9R	51 58.136	0.0018	15	-23 34 48.07	0.031	15	0.29	58.107	16	33.8	48.56	16	33.8	F8	J	14	2351	E -23 2244
65		8.5R	52 0.116	0.0000	18	-27 8 11.40	-0.005	18	0.33	0.115	16	33.8	11.33	16	33.8	F5	J	13B	2013	J -27 1954
66		8.7R	52 2.508	-0.0006	18	-27 1 5.90	-0.029	18	0.33	2.517	16	33.8	5.44	16	33.8	A2	J	13B	2014	J -27 1955
67		9.1R	52 5.138	-0.0016	12	-29 36 19.95	-0.020	12	0.25	5.164	16	33.8	19.63	16	33.8	K2	M	13B	2016	J -29 1938
68		8.6R	52 6.492	0.0004	18	-27 37 26.78	-0.073	18	0.33	6.486	16	33.8	25.61	16	33.8	F5	J	13B	2015	J -27 1956
69		9.3R	52 6.959	0.0012	20	-24 41 46.16	-0.001	20	0.35	6.940	16	33.8	46.14	16	33.8	K0	M	14	2353	E -24 2672
70		9.5R	52 14.507	0.0014	20	-27 38 11.09	0.001	20	0.35	14.484	16	33.8	11.12	16	33.8	K0	M	13B	2017	J -27 1958
71		9.3A	52 20.176	0.0003	17	-21 28 22.56	0.010	12	0.28	20.171	16	33.8	22.73	16	33.8	G5	J	13A	1543	A -21 1011
72		9.3R	52 22.252	0.0001	20	-26 2 22.79	-0.016	20	0.35	22.250	16	33.8	22.53	16	33.8	F8	M	14	2356	E -26 1895
73		8.3R	52 23.662	0.0007	17	-23 35 3.22	-0.034	17	0.31	23.651	16	33.8	2.66	16	33.8	K2	J	14	2354	E -23 2247
74		9.2R	52 25.806	0.0009	15	-23 3 31.39	0.004	15	0.29	25.792	16	33.8	31.46	16	33.8	G0	M	14	2355	E -23 2248
75		9.3R	52 27.932	-0.0015	18	-27 21 15.29	0.042	18	0.33	27.956	16	33.8	15.98	16	33.8	F8	M	13B	2018	J -27 1959
76		8.3R	52 31.315	-0.0002	18	-26 48 32.24	0.016	18	0.33	31.318	16	33.8	32.50	16	33.8	K0	J	14	2358	E -26 1896
77		9.0R	52 36.255	0.0018	18	-22 10 59.54	0.017	18	0.33	36.226	16	33.8	59.81	16	33.8	F5	J	14	2357	E -22 1880
78		8.9A	52 38.520	0.0009	18	-20 28 7.73	0.005	13	0.30	38.505	16	33.8	7.81	16	33.8	F2	J	13A	1544	A -20 961
79		7.7R	52 42.345	0.0037	17	-28 57 39.51	0.106	17	0.31	42.285	16	33.8	41.23	16	33.8	K0	J	13B	2022	J -29 1943
80		9.2R	52 43.182	-0.0014	15	-23 36 22.46	0.013	15	0.29	43.205	16	33.8	22.66	16	33.8	F0	J	14	2359	E -23 2253
81		8.9A	52 44.962	-0.0006	17	-21 14 58.76	-0.002	12	0.28	44.972	16	33.8	58.74	16	33.8	A0	J	13A	1546	A -21 1013
82		7.9R	52 46.224	-0.0046	18	-25 43 55.97	0.002	18	0.33	46.298	16	33.8	56.00	16	33.8	K0	J	14	2360	E -25 2110
83		8.7R	52 47.086	0.0036	17	-29 5 56.22	0.088	17	0.31	47.027	16	33.8	57.65	16	33.8	G5	J	13B	2023	J -29 1945
84		8.5R	52 51.925	-0.0014	20	-29 38 25.53	-0.025	20	0.35	51.948	16	33.8	25.13	16	33.8	K2	J	13B	2025	J -29 1946
85		9.2R	53 2.567	-0.0067	20	-26 43 56.64	-0.090	20	0.35	2.676	16	33.8	55.19	16	33.8	F8	M	14	2364	E -26 1900
86		9.5R	53 4.461	-0.0054	18	-22 24 6.77	0.054	18	0.33	4.548	16	33.8	7.64	16	33.8	K0	M	14	2361	E -22 1882
87		9.1R	53 5.691	-0.0007	18	-21 53 46.85	-0.000	18	0.33	5.701	16	33.8	46.84	16	33.8	K0	J	14	2362	E -22 1883
88		8.3R	53 6.076	0.0000	15	-23 28 42.62	0.030	15	0.29	6.076	16	33.8	43.11	16	33.8	K2	J	14	2363	E -23 2256
89		6.6T	53 27.318	0.0010	05	-25 48 23.68	0.028	05	0.24	27.273	09	04.3	24.96	10	03.6	A2		GC	6024	C*-25 2115
90		9.0A	53 27.352	-0.0007	18	-21 25 17.52	0.001	13	0.30	27.363	16	33.8	17.54	16	33.8	K0	J	13A	1551	A -21 1018
91		8.0R	53 32.445	-0.0048	18	-23 19 19.82	0.132	18	0.33	32.522	16	33.8	21.96	16	33.8	G0	J	14	2368	E -23 2267
92		7.6R	53 42.414	0.0145	17	-28 38 20.45	-0.211	17	0.31	42.180	16	33.8	17.05	16	33.8	K5	J	13B	2029	J -28 1839
93		9.1R	53 43.980	0.0017	17	-22 10 55.32	-0.068	17	0.31	43.952	16	33.8	54.22	16	33.8	G5	J	14	2369	E -22 1890
94		9.2R	53 49.249	-0.0007	12	-28 8 45.77	0.030	12	0.25	49.261	16	33.8	46.26	16	33.8	K0	M	13B	2030	J -28 1840
95		8.1R	53 49.910	-0.0009	18	-27 46 57.32	-0.046	15	0.31	49.924	16	33.8	56.59	16	33.8	K2	J	13B	2031	J -27 1968
96		9.6R	53 52.248	0.0029	20	-24 0 52.61	-0.086	20	0.35	52.202	16	33.8	51.21	16	33.8	G5	M	14	2370	E -24 2687
97		9.4R	53 57.334	-0.0018	15	-24 49 44.84	-0.004	15	0.29	57.363	16	33.8	44.78	16	33.8	K2	M	14	2372	E -24 2686
98		9.5R	53 58.090	0.0046	18	-21 58 22.20	-0.019	18	0.33	58.015	16	33.8	21.89	16	33.8	A5	M	14	2371	E -22 1894
99		8.7R	54 2.425	-0.0078	18	-23 8 6.15	-0.082	18	0.33	2.551	16	33.8	4.83	16	33.8	G5	J	14	2373	E -23 2271
00		8.2R	54 7.353	0.0022	15	-24 13 24.29	-0.048	15	0.29	7.317	16	33.8	23.51	16	33.8	G0	J	14	2374	E -24 2691

169900

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	EPOCH 1950 μ_s	EPOCH 1950 σ_μ ″.001	EPOCH 1950 δ_{1950} ° ′ ″	EPOCH 1950 μ' ″	EPOCH 1950 σ'_μ ″.001	EPOCH 1950 σ_{1950} ″	ORIGINAL EPOCH α_2 s	ORIGINAL EPOCH σ ″.01	ORIGINAL EPOCH ep.	ORIGINAL EPOCH δ_2 ″	ORIGINAL EPOCH σ' ″.01	ORIGINAL EPOCH ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	-20° 4H DM NUMBER
1		8.9A	4 54 9.179	-0.0008	18	-20 7 48.54	0.027	13	0.30	9.192	16	33.8	48.98	16	33.8	G5 J	13A	1554	A -20 964
2		8.9R	54 11.416	0.0014	12	-29 32 26.49	-0.013	12	0.25	11.393	16	33.8	26.28	16	33.8	K2 J	13B	2034	J -29 1958
3		9.5R	54 13.219	0.0013	18	-25 22 19.19	0.000	18	0.33	13.198	16	33.8	19.20	16	33.8	F8 M	14	2375	E -25 2119
4		8.6R	54 15.945	0.0013	18	-23 42 47.83	0.009	18	0.33	15.924	16	33.8	47.97	16	33.8	G5 J	14	2376	E -23 2273
5		8.3R	54 20.485	-0.0006	18	-23 21 57.63	0.069	18	0.33	20.495	16	33.8	58.75	16	33.8	F5 J	14	2377	E -23 2274
6		8.8R	54 21.443	0.0003	15	-25 43 7.93	-0.003	15	0.29	21.438	16	33.8	7.88	16	33.8	K0 J	14	2378	E -25 2123
7		9.5R	54 28.236	-0.0043	18	-24 52 19.43	0.000	18	0.33	28.305	16	33.8	19.43	16	33.8	G0 M	14	2379	E -24 2694
8		9.1R	54 35.356	-0.0046	21	-23 43 17.08	0.097	21	0.37	35.431	16	33.8	18.64	16	33.8	G5 M	14	2380	E -23 2276
9		9.1A	54 41.377	-0.0014	15	-21 25 8.58	0.010	11	0.26	41.400	16	33.8	8.75	16	33.8	F5 J	13A	1557	A -21 1022
10		8.6R	54 44.322	0.0000	18	-24 10 46.19	0.003	18	0.33	44.322	16	33.8	46.23	16	33.8	K5 J	14	2381	E -24 2700
11		9.3R	54 49.717	0.0010	20	-26 9 26.13	-0.002	20	0.35	49.701	16	33.8	26.09	16	33.8	F8 M	14	2384	E -26 1925
12		8.7R	54 50.290	0.0001	18	-22 6 53.88	-0.012	18	0.33	50.289	16	33.8	53.68	16	33.8	K2 J	14	2382	E -22 1906
13		9.5R	54 50.463	-0.0018	17	-24 18 48.11	0.086	17	0.31	50.492	16	33.8	49.49	16	33.8	G5 M	14	2383	E -24 2703
14		8.9R	54 59.400	0.0047	17	-28 4 31.37	0.036	12	0.28	59.324	16	33.8	31.96	16	33.8	G0 J	13B	2039	J -28 1854
15		8.7R	55 5.257	-0.0017	12	-23 6 59.16	-0.012	12	0.25	5.285	16	33.8	58.97	16	33.8	F2 J	14	2388	E -23 2281
16		9.3A	55 8.063	0.0041	18	-21 22 17.84	0.117	13	0.30	7.997	16	33.8	19.73	16	33.8	G5 J	13A	1562	A -21 1026
17		8.2R	55 12.841	-0.0015	17	-22 33 16.77	0.049	17	0.31	12.865	16	33.8	17.57	16	33.8	A3 J	14	2389	E -22 1909
18		9.3R	55 13.148	-0.0005	18	-25 54 22.45	0.007	18	0.33	13.156	16	33.8	22.56	16	33.8	K0 M	14	2390	E -26 1929
19		9.0R	55 22.793	-0.0007	18	-25 2 29.97	0.023	18	0.33	22.803	16	33.8	30.34	16	33.8	F0 J	14	2392	E -25 2129
20		9.1R	55 22.851	-0.0035	15	-22 28 16.90	-0.005	15	0.29	22.907	16	33.8	16.81	16	33.8	K2 M	14	2391	E -22 1910
21		9.0R	55 38.276	0.0033	12	-29 35 48.21	-0.031	12	0.25	38.223	16	33.8	47.71	16	33.8	K0 M	13B	2042	J -29 1968
22		9.1R	55 40.835	0.0036	17	-28 12 55.81	0.035	17	0.31	40.777	16	33.8	56.38	16	33.8	F8 M	13B	2043	J -28 1860
23		8.1R	55 45.840	0.0005	18	-25 8 10.46	0.014	18	0.33	45.831	16	33.8	10.70	16	33.8	K5 J	14	2393	E -25 2130
24		8.8R	55 50.679	0.0018	12	-24 19 19.17	0.013	17	0.28	50.651	16	33.8	19.37	16	33.8	G5 J	14	2394	E -24 2715
25		8.6R	55 54.698	-0.0009	18	-22 52 44.31	0.004	18	0.33	54.713	16	33.8	44.38	16	33.8	G5 J	14	2395K	E -22 1917
26		7.9R	55 56.656	-0.0004	17	-22 5 42.05	0.017	17	0.31	56.663	16	33.8	42.32	16	33.8	A0 J	14	2396	E -22 1916
27		9.5R	56 1.253	-0.0022	15	-24 31 32.96	-0.003	15	0.29	1.288	16	33.8	32.91	16	33.8	K0 M	14	2397	E -24 2717
28		9.1R	56 2.486	-0.0002	18	-27 14 52.26	-0.015	18	0.33	2.489	16	33.8	52.03	16	33.8	F8 J	13B	2045	J -27 1982
29		8.4R	56 9.783	-0.0008	15	-26 27 4.36	-0.006	15	0.29	9.796	16	33.8	4.26	16	33.8	K5 J	14	2398	E -26 1938
30		8.6R	56 11.721	-0.0048	12	-28 6 40.50	-0.019	12	0.25	11.798	16	33.8	40.20	16	33.8	G5 J	13B	2047	J -28 1863
31		9.1R	56 20.600	-0.0012	18	-26 1 35.35	0.015	18	0.33	20.619	16	33.8	35.59	16	33.8	M0 M	14	2400	E -26 1941
32		9.0R	56 21.580	0.0012	17	-22 30 9.14	-0.034	17	0.31	21.561	16	33.8	8.60	16	33.8	K0 M	14	2399	E -22 1920
33		9.0R	56 23.948	-0.0007	18	-25 6 44.67	0.014	18	0.33	23.958	16	33.8	44.90	16	33.8	F0 J	14	2401	E -25 2135
34		8.6R	56 30.668	0.0002	18	-27 0 7.00	0.015	18	0.33	30.685	16	33.9	7.23	16	33.9	K0 J	13B	2050	J -27 1986
35		9.0R	56 33.627	0.0006	18	-27 8 23.29	-0.002	18	0.33	33.618	16	33.9	23.25	16	33.9	K2 M	13B	2051	J -27 1987
36		8.8A	56 35.088	-0.0008	18	-20 37 18.35	-0.029	13	0.30	35.102	16	33.9	17.90	16	33.9	G0 J	13A	1570	A -20 975
37		7.5T	56 35.120	0.0017	11	-28 57 46.38	-0.021	12	0.65	35.032	17	96.7	45.24	18	95.2	K5	GC	6077	C -29 1978
38		8.6R	56 39.922	-0.0006	12	-28 8 35.67	0.010	12	0.25	39.931	16	33.9	35.84	16	33.9	K5 M	13B	2055	J -28 1869
39		8.0R	56 40.925	0.0018	15	-27 30 47.05	-0.007	15	0.29	40.896	16	33.9	46.93	16	33.9	A2 J	13B	2054	J -27 1991
40		9.3R	56 43.066	-0.0012	12	-24 16 50.69	-0.003	12	0.25	43.086	16	33.9	50.63	16	33.9	A2 J	14	2402	E -24 2719
41		9.0R	56 46.279	-0.0023	18	-25 46 19.51	-0.012	18	0.33	46.317	16	33.9	19.31	16	33.9	K5 M	14	2403	E -25 2137
42		9.3A	56 50.876	0.0006	20	-22 14 34.64	0.021	15	0.32	50.867	16	33.9	34.97	16	33.9	F5 J	13A	1572	A -22 967
43		9.1R	56 51.410	0.0007	18	-22 43 11.27	0.009	18	0.33	51.398	16	33.9	11.42	16	33.9	F8 J	14	2404	E -22 1923
44		9.4R	56 57.947	0.0002	17	-24 39 9.44	0.036	17	0.31	57.943	16	33.9	10.02	16	33.9	F5 M	14	2405	E -24 2721
45		8.9A	57 0.168	-0.0007	18	-20 43 31.50	0.020	13	0.30	0.179	16	33.9	31.83	16	33.9	A3 J	13A	1573	A -20 977
46		8.9R	57 6.472	0.0008	12	-28 6 10.77	-0.061	12	0.25	6.459	16	33.9	9.80	16	33.9	F5 J	13B	2059	J -28 1878
47		7.5T	57 9.880	-0.0010	12	-28 30 55.90	0.035	11	0.64	9.934	15	98.4	57.83	18	95.2	G5	GC	6090	C -28 1879
48		9.2R	57 28.662	-0.0009	15	-21 56 14.28	0.021	15	0.29	28.677	16	33.9	14.57	16	33.9	F5 J	14	2407	E -22 1927
49		7.7R	57 30.543	0.0066	18	-22 28 20.14	-0.082	18	0.33	30.437	16	33.9	18.82	16	33.9	G5 J	14	2408	E -22 1928
50		8.2R	57 32.719	0.0002	18	-25 26 34.92	-0.002	18	0.33	32.716	16	33.9	34.90	16	33.9	A3 J	14	2409	E -25 2143
51	4	8.9R	57 32.846	0.0044	18	-29 24 33.53	-0.040	18	0.33	32.775	16	33.9	32.89	16	33.9	K0 J	13B	2061	J -29 1988
52		8.7R	57 36.352	-0.0016	18	-27 41 0.46	-0.005	18	0.33	36.377	16	33.9	0.39	16	33.9	G5 J	13B	2062	J -27 2001
53		9.1A	57 37.916	-0.0003	17	-21 28 5.20	0.023	12	0.28	37.920	16	33.9	5.57	16	33.9	K5 J	13A	1578	A -21 1038
54		9.4R	57 40.188	0.0010	15	-25 56 27.64	-0.014	15	0.29	40.172	16	33.9	27.41	16	33.9	K0 M	14	2411	E -26 1952
55		9.1R	57 43.138	0.0032	18	-27 8 23.44	0.035	18	0.33	43.087	16	33.9	24.01	16	33.9	K0 J	13B	2064	J -27 2002
56		9.1R	57 44.723	-0.0007	17	-22 30 14.25	-0.011	17	0.31	44.734	16	33.9	14.08	16	33.9	K0 M	14	2410	E -22 1930
57		7.6R	57 54.306	0.0007	12	-25 7 41.35	0.045	12	0.25	54.294	16	33.9	42.07	16	33.9	F0 J	14	2412	E -25 2148
58		9.0R	57 55.708	0.0025	13	-24 40 50.06	0.013	13	0.27	55.668	16	33.9	50.27	16	33.9	K0 M	14	2413	E -24 2731
59		8.1R	57 59.401	-0.0024	20	-29 38 59.42	-0.042	20	0.35	59.441	16	33.9	58.74	16	33.9	K0 J	13B	2066	J -29 1993
60		8.6R	58 1.018	0.0001	13	-28 56 31.13	0.017	13	0.27	1.016	16	33.9	31.41	16	33.9	K2 J	13B	2067	J -29 1992
61		8.7R	58 3.361	-0.0039	12	-27 54 23.01	0.059	12	0.25	3.424	16	33.9	23.97	16	33.9	G0 J	13B	2068	J -28 1888
62		8.8A	58 8.138	0.0046	17	-20 57 12.92	-0.050	12	0.28	8.064	16	33.9	12.12	16	33.9	K0 J	13A	1581	A -21 1040
63		9.2R	58 8.175	-0.0020	17	-24 18 47.67	0.017	17	0.31	8.208	16	33.9	47.94	16	33.9	K5 M	14	2414	E -24 2735
64		8.9R	58 10.888	0.0025	20	-28 19 32.11	0.015	20	0.35	10.851	16	33.9	32.34	16	33.9	K0 M	13B	2069	J -28 1889
65		9.0R	58 20.232	0.0007	15	-22 19 55.03	-0.010	15	0.29	20.220	16	33.9	54.87	16	33.9	K2 J	14	2415	E -22 1935
66		9.2R	58 21.219	-0.0014	20	-23 32 28.74	-0.002	20	0.35	21.242	16	33.9	28.70	16	33.9	K5 M	14	2416	E -23 2322
67		9.5R	58 36.919	0.0027	18	-23 48 17.30	-0.005	18	0.33	36.876	16	33.9	17.21	16	33.9	K0 M	14	2417	E -23 2330
68		9.2R	58 43.806	0.0004	18	-27 1 1.26	0.005	18	0.33	43.799	16	33.9	1.35	16	33.9	G5 J	13B	2074	J -27 2015
69		9.5R	58 44.740	0.0005	18	-27 33 13.67	0.005	18	0.33	44.732	16	33.9	13.74	16	33.9	G0 M	13B	2075	J -27 2016
70		9.2R	58 45.663	0.0008	17	-24 6 17.27	0.021	17	0.31	45.651	16	33.9	17.60	16	33.9	G5 M	14	2418	E -24 2746
71		8.8A	58 48.905	0.0020	18	-20 49 18.78	-0.004	13	0.30	48.874	16	33.9	18.73	16	33.9	F0 J	13A	1584	A -20 986
72		8.9R	58 49.611	0.0143	18	-22 40 23.26	-0.110	18	0.33	49.382	16	33.9	21.50	16	33.9	G0 J	14	2419	E -22 1941
73		8.9R	59 1.118	0.0057	18	-22 48 31.61	-0.016	18	0.33	1.026	16	33.9	31.36	16	33.9	G0 J	14	2420	E -22 1944
74		9.0A	59 2.246	-0.0012	18	-21 3 36.28	-0.032	13	0.30	2.265	16	33.9	35.78	16	33.9	K0 J	13A	1588	A -21 1044
75		8.9A	59 4.046	-0.0027	18	-20 9 23.23	-0.173	13	0.30	4.089	16	33.9	20.45	16	33.9	G5 J	13A	1589	A -20 988
76		9.0R	59 8.389	0.0024	18	-27 10 53.05	0.049	18	0.33	8.351	16	33.9	53.85	16	33.9	F8 J	13B	2078	J -27 2020
77		9.4R	59 8.552	-0.0004	17	-23 55 26.98	0.007	17	0.31	8.559	16	33.9	27.08	16	33.9	F8 M	14	2421	E -24 2750
78		9.2A	59 10.639	-0.0012	17	-20 47 8.81	-0.006	12	0.28	10.658	16	33.9	8.72	16	33.9	K0 J	13A	1590	A -20 989
79		8.0R	59 12.864	0.0023	18	-23 46 49.70	0.081	18	0.33	12.827	16	33.9	51.00	16	33.9	F2 J	14	2423	E -23 2336
80		9.3R	59 14.232	0.0020	20	-24 31 26.87	-0.007	20	0.35	14.200	16	33.9	26.76	16	33.9	K2 M	14	2424	E -24 2752
81		5.0T	59 15.320	0.0020	05	-20 7 24.04	-0.015	05	0.26	15.226	10	04.3	23.29	10	00.0	B9	GC	6142	-20 990
82		8.7R	59 18.235	0.0000	18	-26 49 56.33	-0.032	18	0.33	18.234	16	33.9	55.82	16	33.9	F5 J	14	2426K	E -26 1968
83		9.4R	59 19.407	0.0023	13	-22 27 14.72	0.053	13	0.27	19.370	16	33.9	15.57	16	33.9	G5 J	14	2425	E -22 1946
84	10.7	9.5W	59 20.371	0.0008	21	-29 55 9.19	0.000	21	0.43	20.357	22	32.1	9.19	21	32.1		C7	1920	C -30 2140
85		8.3A	59 22.038	-0.0004	17	-21 44 13.03	0.132	12	0.28	22.044	16	33.9	15.15	16	33.9	F5 J	13A	1594	A -21 1045
86		9.3R	59 23.796	-0.0053	20	-27 31 13.15	-0.023	20	0.35	23.882	16	33.9	12.79	16	33.9	K0 M	13B	2082	J -27 2022
87		9.0R	59 30.100	0.0000	18	-26 1 21.42	0.001	18	0.33	30.100	16	33.9	21.43	16	33.9	K5 J	14	2427	E -26 1971
88		9.1R	59 34.828	0.0016	18	-25 14 46.15	0.001	18	0.33	34.803	16	33.9	46.18	16	33.9	K0 M	14	2429	E -25 2161
89		8.6R	59 37.356	0.0015	18	-22 5 47.35	0.013	18	0.33	37.331	16	33.9	47.55	16	33.9	K0 J	14	2428	E -22 1950
90		9.4R	59 40.543	0.0032	20	-25 37 39.68	-0.073	20	0.35	40.493	16	33.9	38.50	16	33.9	G5 M	14	2430	E -23 2340
91		9.1R	59 45.787	-0.0018	18	-26 21 13.61	0.030	18	0.33	45.817	16	33.9	14.09	16	33.9	K7 M	14	2431	E -26 1972
92		9.5R	59 50.428	0.0033	18	-27 46 19.54	-0.048	18	0.33	50.374	16	33.9	18.78	16	33.9	K2 M	13B	2091	J -27 2025
93		9.3R	59 53.360	-0.0024	18	-27 21 14.30	0.020	18	0.33	53.398	16	33.9	14.63	16	33.9	K0 M	13B	2092	J -27 2026
94		8.8R	5 0 0.325	0.0022	18	-22 9 8.85	-0.024	18	0.33	0.289	16	33.9	8.46	16	33.9	K2 J	14	2432	E -22 1953
95		9.2R	0 6.257	0.0017	18	-24 6 12.86	0.020	18	0.33	6.230	16	33.9	13.17	16	33.9	F8 M	14	2433	E -24 2763
96		8.7R	0 7.535	0.0007	17	-24 13 17.39	-0.021	17	0.31	7.524	16	33.9	17.04	16	33.9	K0 M	14	2434	E -24 2766
97		5.0T	0 7.716	0.0062	03	-26 20 41.19	-0.079	03	0.15	7.451	06	07.3	37.64	06	05.3	K0	GC	6160	C*-26 1975
98		9.5R	0 10.538	0.0001	15	-23 48 5.20	-0.032	15	0.29	10.537	16	33.9	4.68	16	33.9	K0 M	14	2435	E -23 2348
99		9.2R	0 10.592	0.0046	15	-24 28 47.69	-0.044	15	0.29	10.519	16	33.9	46.97	16	33.9	K0 M	14	2437	E -24 2769
00		8.7R	0 11.612	-0.0031	20	-28 8 0.54	0.033	20	0.35	11.661	16	33.9	1.08	16	33.9	G5 J	13B	2093	J -28 1911

170000 — EPOCH 1950 — ORIGINAL EPOCH — -20° 5H

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	DM NUMBER
1		8.7R	5 0 14.141	0.0021	20	-28 8 51.05	-0.036	20	0.35	14.107	16	33.9	50.48	16	33.9	G5 J	13B	2095	J -28 1912
2		9.5R	0 20.227	-0.0000	17	-23 50 6.59	0.009	17	0.31	20.228	16	33.9	6.73	16	33.9	G5 M	14	2439K	E -23 2353
3		8.1A	0 20.385	-0.0114	17	-21 19 25.26	-0.264	12	0.28	20.568	16	33.9	21.02	16	33.9	K5 J	13A	1599	A -21 1051
4		9.6R	0 20.976	0.0011	18	-22 1 41.07	-0.039	18	0.33	20.958	16	33.9	40.44	16	33.9	K0 M	14	2436	E -22 1956
5		8.7R	0 21.503	0.0004	15	-23 51 15.22	-0.013	15	0.29	21.497	16	33.9	15.00	16	33.9	K2 J	14	2440	E -23 2354
6		8.8R	0 22.329	-0.0007	20	-29 39 24.09	0.032	20	0.35	22.340	16	33.9	24.60	16	33.9	K2 M	13B	2097	J -29 2016
7		9.3R	0 25.761	0.0029	17	-22 50 42.28	-0.017	17	0.31	25.714	16	33.9	42.01	16	33.9	K0 M	14	2441	E -22 1959
8		8.8A	0 34.719	0.0048	18	-21 29 21.81	-0.057	13	0.30	34.643	16	33.9	20.91	16	33.9	F5 J	13A	1600	A -21 1053
9		8.2A	0 35.707	0.0009	17	-21 10 5.46	-0.107	12	0.28	35.693	16	33.9	3.75	16	33.9	F5 J	13A	1601	A -21 1054
10		5.8T	0 38.218	0.0039	04	-22 51 55.02	0.023	04	0.23	38.034	10	03.2	56.15	10	01.4	K0	GC	6172	C*-23 65
11		9.3R	0 38.823	-0.0010	18	-25 10 11.28	0.023	18	0.33	38.839	16	33.9	11.66	16	33.9	F0 M	14	2444	E -25 2174
12		9.1R	0 39.347	0.0001	18	-24 51 4.16	-0.002	18	0.33	39.346	16	33.9	4.13	16	33.9	K2 M	14	2443	E -24 2778
13		8.6R	0 41.884	0.0044	18	-26 42 15.75	-0.083	18	0.33	41.814	16	33.9	14.42	16	33.9	G5 J	14	2445	E -26 1978
14		9.3R	0 49.342	-0.0010	15	-24 13 23.44	-0.010	15	0.29	49.358	16	33.9	23.27	16	33.9	K5 M	14	2446	E -24 2783
15		8.4R	0 57.354	-0.0060	17	-29 52 13.02	0.015	17	0.31	57.451	16	33.9	13.26	16	33.9	A2 J	13B	2103	J -29 2020
16		9.3R	0 59.723	0.0011	18	-22 8 49.99	-0.014	18	0.33	59.704	16	33.9	49.76	16	33.9	A5 J	14	2447	E -22 1965
17		9.6R	1 6.955	0.0056	18	-26 48 39.85	-0.007	18	0.33	6.865	16	33.9	39.74	16	33.9	K0 M	14	2450	E -26 1982
18		9.0R	1 7.194	0.0044	18	-25 3 9.05	0.046	18	0.33	7.122	16	33.9	9.79	16	33.9	G5 J	14	2448	E -25 2179
19		9.5R	1 8.185	0.0006	17	-24 21 32.25	-0.006	17	0.31	8.175	16	33.9	32.15	16	33.9	F8 M	14	2449	E -24 2785
20		9.2R	1 13.939	0.0027	17	-22 24 26.69	-0.067	17	0.31	13.896	16	33.9	25.61	16	33.9	G0 J	14	2451	E -22 1969
21		9.3R	1 14.971	0.0214	15	-23 19 18.82	0.142	15	0.29	14.626	16	33.9	21.11	16	33.9	K7 M	14	2452	E -23 2363
22		10.3W	1 18.794	0.0004	21	-29 55 12.60	0.027	21	0.43	18.787	22	32.1	13.09	21	32.1		C7	1945	C -30 2166
23		8.7R	1 24.067	-0.0019	20	-28 59 17.62	0.045	20	0.35	24.098	16	33.9	18.35	16	33.9	F8 J	13B	2106	J -29 2024
24		9.0A	1 24.955	-0.0012	18	-20 32 40.42	-0.002	13	0.30	24.975	16	33.9	40.40	16	33.9	A0 J	13A	1608K	A -20 997
25		8.8R	1 33.778	0.0006	15	-28 58 47.59	-0.010	15	0.29	33.768	16	33.9	47.44	16	33.9	K0 M	13B	2107	J -29 2025
26		9.6R	1 36.093	-0.0008	20	-23 6 11.71	-0.001	20	0.35	36.106	16	33.9	11.70	16	33.9	K0 M	14	2453	E -23 2366
27		9.7R	1 39.251	-0.0003	18	-26 14 9.81	-0.007	18	0.33	39.257	16	33.9	9.69	16	33.9	G5 M	14	2454	E -26 1987
28		8.8R	1 39.775	0.0005	17	-29 2 15.77	-0.046	17	0.31	39.767	16	33.9	15.04	16	33.9	G5 J	13B	2108	J -29 2027
29		5.5T	1 48.836	0.0014	07	-24 27 22.38	-0.028	07	0.29	48.780	07	10.4	21.27	07	10.9	A2	GC	6195	C -24 2795
30		8.0R	1 52.271	0.0002	18	-25 57 38.45	0.022	18	0.33	52.267	16	33.9	38.80	16	33.9	K0 J	14	2456	E -26 1989
31		8.8R	1 54.100	0.0069	12	-28 33 50.40	-0.001	12	0.25	53.989	16	33.9	50.39	16	33.9	G5 J	13B	2110	J -28 1935
32		8.3R	1 56.341	0.0003	18	-27 43 40.54	0.007	18	0.33	56.337	16	33.9	40.66	16	33.9	K5 J	13B	2111	J -27 2045
33		9.3R	1 58.228	-0.0002	18	-22 17 5.17	-0.035	18	0.33	58.231	16	33.9	4.60	16	33.9	F8 J	14	2457	E -22 1977
34		8.3R	2 1.599	-0.0016	20	-29 52 54.88	-0.009	20	0.35	1.625	16	33.9	54.73	16	33.9	K2 J	13B	2112	J -29 2028
35		9.2R	2 7.935	0.0008	18	-23 59 39.01	-0.046	18	0.33	7.922	16	33.9	38.26	16	33.9	G5 M	14	2458	E -24 2797
36		8.1A	2 14.123	0.0018	18	-21 12 15.64	0.025	13	0.30	14.094	16	33.9	16.05	16	33.9	K0 J	13A	1611	A -21 1061
37		8.8R	2 23.052	0.0011	20	-26 6 21.69	0.011	20	0.35	23.034	16	33.9	21.86	16	33.9	K0 J	14	2459	E -26 1993
38		8.4A	2 23.864	-0.0012	18	-20 23 25.92	-0.010	13	0.30	23.883	16	33.9	25.76	16	33.9	K2 J	13A	1615	A -20 1002
39		7.9A	2 33.137	-0.0019	20	-21 17 18.42	-0.026	15	0.32	33.168	16	33.9	18.01	16	33.9	K0 J	13A	1618	A -21 1065
40		7.3T	2 39.871	0.0032	15	-20 18 53.21	0.060	14	0.69	39.727	21	05.8	55.95	21	04.4	G5	GC	6215	-20 1003
41		7.5I	2 43.172	-0.0005	36	-21 58 18.75	-0.035	32	1.50	43.194	22	06.5	17.17	21	05.3	M7E	GC	6218V	B*-22 995
42		9.1R	2 53.993	0.0007	18	-22 19 18.97	-0.017	18	0.33	53.981	16	33.9	18.69	16	33.9	A2 J	14	2461	E -22 1990
43		8.9R	2 59.018	0.0002	18	-23 30 50.90	0.032	18	0.33	59.015	16	33.9	51.41	16	33.9	K0 J	14	2462	E -23 2389
44		9.1R	3 1.165	-0.0031	20	-26 28 59.08	0.004	20	0.35	1.215	16	33.9	59.14	16	33.9	K0 M	14	2463	E -26 2003
45		9.0R	3 3.668	-0.0039	20	-27 35 54.14	-0.007	20	0.35	3.731	16	33.9	54.04	16	33.9	K0 M	13B	2117	J -27 2056
46		8.0R	3 7.920	-0.0001	20	-25 15 35.90	0.003	20	0.35	7.921	16	33.9	35.96	16	33.9	F0 J	14	2464	E -25 2202
47		8.1A	3 8.826	-0.0018	20	-21 19 31.75	-0.030	15	0.32	8.854	16	33.9	31.27	16	33.9	A0 J	13A	1622	A -21 1067
48		9.1R	3 12.300	-0.0009	20	-25 47 18.43	0.007	20	0.35	12.314	16	33.9	18.54	16	33.9	F8 J	14	2465	E -25 2208
49		8.0R	3 14.034	0.0033	20	-25 34 27.35	-0.017	20	0.35	13.981	16	33.9	27.07	16	33.9	G5 J	14	2466	E -25 2206
50		5.9T	3 14.285	0.0002	05	-26 13 7.20	-0.065	04	0.25	14.276	10	05.4	4.03	10	01.5	K0	GC	6229	C*-26 2005
51		3.3H	5 3 20.563	0.0013	01	-22 26 12.86	-0.071	01	0.05	20.515	02	12.0	10.20	03	12.8	K5	F4	186	-22 1000
52		8.9R	3 22.880	-0.0006	18	-23 42 53.62	-0.017	18	0.33	22.889	16	33.9	53.34	16	33.9	K5 J	14	2469	E -23 2392
53		9.5R	3 25.062	0.0024	18	-24 32 46.33	-0.014	18	0.33	25.024	16	33.9	46.11	16	33.9	A5 M	14	2470	E -24 2816
54		9.0R	3 25.679	0.0022	20	-26 11 21.49	0.009	20	0.35	25.643	16	33.9	21.63	16	33.9	A2 J	14	2473	E -26 2007
55		8.3A	3 26.249	0.0020	20	-21 29 14.11	0.002	15	0.32	26.217	16	33.9	14.15	16	33.9	K0 J	13A	1624	A -21 1068
56		8.2R	3 27.949	0.0013	17	-23 21 45.22	-0.003	17	0.31	27.929	16	33.9	45.18	16	33.9	F8 J	14	2472	E -23 2396
57		8.7R	3 28.956	0.0012	18	-22 34 45.60	-0.009	18	0.33	28.937	16	33.9	45.46	16	33.9	F2 J	14	2471	E -22 2000
58		9.1R	3 34.948	0.0003	18	-22 43 59.20	-0.024	18	0.33	34.943	16	33.9	58.82	16	33.9	F5 J	14	2474	E -22 2001
59		8.7A	3 48.066	-0.0005	18	-21 13 11.51	-0.001	13	0.30	48.075	16	33.9	11.50	16	33.9	F0 J	13A	1626	A -21 1070
60		8.6R	3 50.199	0.0003	18	-27 35 20.54	-0.018	18	0.33	50.194	16	33.9	20.26	16	33.9	F8 J	13B	2120	J -27 2064
61		9.3R	3 57.513	-0.0021	20	-25 2 8.56	-0.019	20	0.35	57.547	16	33.9	8.26	16	33.9	K0 M	14	2475	E -25 2215
62		8.6R	3 59.794	0.0024	18	-27 38 32.53	0.010	18	0.33	59.755	16	33.9	32.69	16	33.9	A0 J	13B	2123	J -27 2065
63		8.4A	3 59.864	-0.0008	18	-20 57 8.94	0.019	13	0.30	59.877	16	33.9	9.26	16	33.9	K0 J	13A	1627	A -21 1071
64		8.7R	4 1.908	0.0005	18	-22 46 56.99	0.019	18	0.33	1.900	16	33.9	57.30	16	33.9	K2 J	14	2476	E -22 2006
65		8.1R	4 8.249	-0.0011	20	-26 33 16.18	0.025	20	0.35	8.266	16	33.9	16.59	16	33.9	K0 J	14	2478	E -26 2013
66		8.7R	4 9.927	0.0015	18	-25 22 22.00	-0.010	18	0.33	9.903	16	33.9	21.84	16	33.9	K5 M	14	2477	E -25 2219
67		9.0R	4 17.381	0.0004	18	-26 16 40.75	-0.028	18	0.33	17.375	16	33.9	40.29	16	33.9	K2 M	14	2479	E -26 2014
68		8.6A	4 24.517	-0.0007	00	-20 39 48.41	0.124	13	0.22	24.528	16	33.9	50.42	16	33.9	A3 J	13A	1630	A -20 1009
69		9.1R	4 26.141	0.0008	18	-25 14 28.13	0.001	18	0.33	26.127	16	33.9	28.16	16	33.9	F0 J	14	2481	E -25 2223
70		9.1R	4 26.889	-0.0017	18	-23 1 20.39	0.020	18	0.33	26.917	16	33.9	20.72	16	33.9	K0 M	14	2480	E -23 2416
71		8.7R	4 33.607	0.0039	12	-28 37 32.15	-0.008	12	0.25	33.545	16	33.9	32.03	16	33.9	G0 J	13B	2127	J -28 1965
72		9.7R	4 37.413	0.0015	15	-24 32 26.41	-0.007	15	0.29	37.388	16	33.9	26.30	16	33.9	G5 M	14	2482	E -24 2829
73		9.1R	4 40.800	0.0013	17	-23 11 59.52	0.021	17	0.31	40.779	16	33.9	59.86	16	33.9	K2 J	14	2483	E -23 2421
74		9.4R	4 44.461	-0.0009	18	-25 12 12.79	0.002	18	0.33	44.475	16	33.9	12.83	16	33.9	F8 M	14	2484	E -25 2228
75		8.6A	4 49.864	0.0024	18	-20 10 48.01	-0.027	13	0.30	49.825	16	33.9	47.58	16	33.9	F2 J	13A	1631	A -20 1013
76		9.4R	4 57.395	0.0019	20	-24 26 19.77	0.004	20	0.35	57.366	16	33.9	19.83	16	33.9	G0 M	14	2486	E -24 2831
77		9.0R	4 58.174	-0.0014	18	-23 26 2.79	-0.009	18	0.33	58.197	16	33.9	2.65	16	33.9	A0 J	14	2485	E -23 2423
78		9.4R	4 58.223	-0.0010	18	-26 54 36.74	-0.013	18	0.33	58.239	16	33.9	36.54	16	33.9	K0 M	14	2488	E -27 2073
79		9.2R	5 0.115	0.0041	15	-29 40 4.22	-0.027	15	0.29	0.050	16	33.9	4.66	16	33.9	G5 M	13B	2130	J -29 2061
80		9.4R	5 0.474	0.0035	20	-24 22 22.88	0.057	20	0.35	0.419	16	33.9	23.79	16	33.9	K2 M	14	2487	E -24 2832
81		9.0R	5 0.589	-0.0001	18	-28 43 15.43	-0.057	18	0.33	0.590	16	33.9	14.52	16	33.9	F5 J	13B	2129	J -28 1971
82		9.4R	5 2.032	0.0023	18	-27 19 18.67	-0.002	18	0.33	1.996	16	33.9	18.63	16	33.9	K5 M	13B	2128	J -27 2074
83		9.3R	5 6.670	0.0012	18	-27 14 48.83	0.028	18	0.33	6.651	16	33.9	49.29	16	33.9	G5 M	13B	2132	J -27 2077
84		9.0R	5 6.722	-0.0004	18	-27 9 33.34	0.037	18	0.33	6.729	16	33.9	33.94	16	33.9	K2 M	13B	2131	J -27 2076
85		9.2R	5 8.291	-0.0034	17	-23 4 46.04	0.027	17	0.31	8.346	16	33.9	46.48	16	33.9	G5 M	14	2489	E -23 2427
86		9.3R	5 10.069	0.0008	18	-23 15 13.45	-0.056	18	0.33	10.056	16	33.9	12.55	16	33.9	G0 J	14	2491	E -23 2431
87		8.5R	5 11.149	-0.0000	15	-22 42 41.74	0.018	15	0.29	11.150	16	33.9	42.04	16	33.9	K2 J	14	2492	E -22 2016
88		8.8R	5 23.156	0.0017	18	-25 42 54.44	-0.004	18	0.33	23.128	16	33.9	54.37	16	33.9	K2 J	14	2495	E -25 2233
89		8.9R	5 23.808	-0.0029	20	-22 39 34.53	0.000	20	0.35	23.855	16	33.9	34.54	16	33.9	K5 M	14	2494	E -22 2019
90		9.2R	5 30.196	0.0007	12	-24 11 49.20	-0.024	12	0.25	30.185	16	33.9	48.81	16	33.9	M M	14	2496	E -24 2837
91		9.0R	5 32.258	-0.0015	18	-26 51 11.08	-0.017	18	0.33	32.281	16	33.9	10.81	16	33.9	K0 M	14	2499	E -26 2027
92		9.1R	5 33.998	0.0019	18	-23 20 17.53	0.040	18	0.33	33.968	16	33.9	18.18	16	33.9	K0 J	14	2498	E -23 2435
93		9.0R	5 34.018	0.0006	18	-22 41 25.88	0.020	18	0.33	34.009	16	33.9	26.21	16	33.9	G0 J	14	2497	E -22 2021
94		8.6R	5 37.202	0.0007	18	-25 6 46.55	0.015	18	0.33	37.191	16	33.9	46.80	16	33.9	K0 J	14	2500	E -25 2234
95		9.1R	5 40.750	0.0049	18	-27 37 49.32	-0.019	18	0.33	40.671	16	33.9	49.02	16	33.9	K0 M	13B	2135	J -27 2083
96		8.2R	5 40.863	0.0003	12	-29 2 29.44	-0.019	12	0.25	40.858	16	33.9	29.14	16	33.9	K2 J	13B	2136	J -29 2069
97		7.3T	5 50.358	0.0009	10	-20 11 2.99	-0.057	08	0.45	50.319	17	04.7	0.21	18	01.2	K0	GC	6278	-20 1015
98		9.2R	5 51.047	0.0011	18	-25 40 53.33	-0.014	18	0.33	51.029	16	33.9	53.10	16	33.9	K0 M	14	2501	E -25 2236
99		8.7T	5 58.838	-0.0054	26	-21 32 2.78	-0.078	22	1.11	59.080	19	05.2	59.15	19	03.6	F2	GC	6285	-21 1078
00		8.2T	5 59.953	0.0044	16	-26 51 39.12	-0.057	12	0.76	59.737	21	01.0	36.07	18	96.1	G5	GC	6286	C -26 2029

170100

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ s	σ_μ // .001	δ_{1950} ° ′ ″	μ' ″	σ'_μ ″ .001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ ″ .01	ep.	δ_2 ″	σ' ″ .01	ep.	SP.	SOURCE CAT.	STAR NUMBER	-20° 5H DM	NUMBER
1		8.6R	5 6 2.100	0.0011	15	-22 24 33.72	0.009	15	0.29	2.082	16	33.9	33.86	16	33.9	K0 J	14	2502	E -22	2023
2		9.1A	6 3.605	-0.0000	18	-20 59 20.52	-0.016	13	0.30	3.605	16	33.9	20.28	16	33.9	M0 J	13A	1645	A -21	1580
3		9.0R	6 18.642	-0.0008	18	-26 48 14.48	-0.022	18	0.33	18.655	16	33.9	14.13	16	33.9	A3 J	14	2505	E -26	2030
4		9.0R	6 19.569	-0.0005	20	-29 14 55.13	-0.006	20	0.35	19.578	16	33.9	55.04	16	33.9	K0 M	13B	2142	J -29	2075
5		9.4R	6 20.133	0.0035	13	-24 18 22.84	-0.008	13	0.27	20.076	16	33.9	22.70	16	33.9	K2 M	14	2504	E -24	2044
6		9.0R	6 21.908	0.0030	15	-28 50 40.85	-0.074	15	0.29	21.861	16	33.9	39.67	16	33.9	K0 M	13B	2143	J -28	1982
7		9.1A	6 23.167	-0.0003	17	-21 8 1.76	0.001	12	0.28	23.172	16	33.9	1.79	16	33.9	M1 J	13A	1643	A -21	1082
8		9.0R	6 28.648	0.0028	18	-25 17 12.37	0.003	18	0.33	28.602	16	33.9	12.42	16	33.9	K0 M	14	2506	E -25	2247
9		9.0R	6 34.087	-0.0012	18	-23 1 57.85	-0.011	18	0.33	34.107	16	33.9	57.68	16	33.9	K2 M	14	2507	E -23	2452
10		9.1R	6 34.688	0.0011	20	-28 33 43.64	-0.017	20	0.35	34.671	16	33.9	43.37	16	33.9	K0 M	13B	2145	J -28	1983
11		8.9R	6 35.068	-0.0036	15	-25 42 48.81	-0.041	15	0.29	35.126	16	33.9	48.14	16	33.9	F5 J	14	2509	E -25	2250
12		9.3R	6 37.518	0.0041	15	-22 32 47.76	0.120	15	0.29	37.452	16	33.9	49.69	16	33.9	K0 M	14	2508	E -22	2028
13		9.4R	6 40.550	0.0023	17	-23 25 56.43	0.000	17	0.31	40.517	16	33.9	56.44	16	33.9	K0 M	14	2510	E -23	2454
14		9.2R	6 44.547	0.0028	12	-27 20 32.09	0.010	12	0.25	44.502	16	33.9	32.26	16	33.9	K2 M	13B	2146	J -27	2094
15		8.0R	6 45.091	-0.0006	15	-22 41 52.51	-0.004	15	0.29	45.100	16	33.9	52.45	16	33.9	F0 J	14	2511	E -22	2030
16		9.1R	6 46.742	0.0022	18	-24 [illegible] 16.24	-0.005	18	0.33	46.708	16	33.9	16.15	16	33.9	M M	14	2512	E -24	2049
17		8.6R	6 47.571	-0.0020	18	-25 [illegible] 53.09	-0.017	18	0.33	47.604	16	33.9	53.36	16	33.9	G5 J	14	2513	E -25	2251
18		8.9A	6 52.491	-0.0001	18	-21 49 43.34	-0.023	13	0.30	52.492	16	33.9	42.97	16	33.9	F5 J	13A	1646	A -21	1084
19		9.5R	6 52.841	0.0005	15	-23 52 42.43	0.014	15	0.29	52.833	16	33.9	42.64	16	33.9	K2 M	14	2514	E -23	2458
20		8.9A	6 55.693	0.0004	18	-20 13 56.60	0.020	13	0.30	55.686	16	33.9	56.92	16	33.9	G5 J	13A	1647	A -20	1016
21		9.6R	6 56.098	-0.0000	15	-24 8 23.38	0.010	15	0.29	56.099	16	33.9	23.53	16	33.9	F5 J	14	2515	E -24	2051
22		8.6A	7 0.182	-0.0020	18	-20 17 19.10	0.010	13	0.30	0.214	16	33.9	19.26	16	33.9	A3 J	13A	1648	A -20	1017
23		8.9R	7 5.039	-0.0002	20	-22 53 33.15	-0.053	20	0.35	5.042	16	33.9	32.30	16	33.9	A5 M	14	2516	E -22	2032
24		8.5R	7 14.613	0.0012	20	-28 6 31.95	-0.001	20	0.35	14.594	16	33.9	31.94	16	33.9	K5 J	13B	2149	J -28	1988
25		9.1R	7 15.181	0.0024	18	-27 48 25.21	-0.007	18	0.33	15.143	16	33.9	25.11	16	33.9	G5 M	13B	2150	J -27	2097
26		7.4T	7 19.297	-0.0020	18	-23 10 50.97	-0.011	17	0.87	19.392	18	01.7	50.45	21	01.8	K0	GC	6317	C*-23	2466
27		9.1R	7 19.340	-0.0007	18	-24 50 27.28	0.010	18	0.33	19.351	16	33.9	27.44	16	33.9	B9 J	14	2520	E -24	2056
28		8.8R	7 21.485	-0.0015	18	-25 16 15.74	-0.005	18	0.33	21.509	16	33.9	15.66	16	33.9	F0 J	14	2521	E -25	2260
29		8.8R	7 24.647	0.0014	18	-25 26 49.46	-0.029	18	0.33	24.625	16	33.9	49.00	16	33.9	K0 M	14	2522	E -25	2261
30		9.4R	7 34.521	0.0006	15	-22 11 53.73	0.001	15	0.29	34.512	16	33.9	53.74	16	33.9	K0 M	14	2523	E -22	2037
31		7.5R	7 36.633	-0.0017	18	-22 33 20.74	0.004	18	0.33	36.661	16	33.9	20.81	16	33.9	F0 J	14	2524	E -22	2039
32		8.5R	7 37.327	0.0007	12	-29 16 52.05	-0.005	12	0.25	37.316	16	33.9	51.98	16	33.9	K5 J	13B	2154	J -29	2085
33		8.9R	7 43.135	-0.0002	12	-29 7 1.41	-0.010	12	0.25	43.139	16	33.9	1.26	16	33.9	F5 J	13B	2155	J -29	2086
34		9.6R	7 43.809	0.0020	18	-24 12 31.28	0.015	18	0.33	43.777	16	33.9	31.52	16	33.9	F8 M	14	2527	E -24	2061
35		9.1R	7 44.361	-0.0002	18	-22 22 4.46	0.016	18	0.33	44.364	16	33.9	4.71	16	33.9	F0 J	14	2526	E -22	2040
36		8.8R	7 44.971	-0.0030	17	-29 54 31.60	0.015	17	0.31	45.020	16	33.9	31.84	16	33.9	F5 J	13B	2156	J -30	2224
37		9.0R	7 49.776	0.0061	18	-22 52 45.69	0.048	18	0.33	49.678	16	33.9	46.47	16	33.9	G0 J	14	2528	E -22	2042
38		9.6R	7 53.226	0.0012	18	-21 57 25.57	-0.052	18	0.33	53.206	16	33.9	24.73	16	33.9	K5 J	14	2529	E -22	2043
39		9.7R	8 7.175	0.0002	18	-27 38 51.98	0.068	18	0.33	7.172	16	33.9	53.09	16	33.9	A5 M	13B	2158	J -27	2104
40		8.7R	8 7.605	0.0013	20	-24 8 30.28	-0.034	20	0.35	7.585	16	33.9	29.72	16	33.9	G0 J	14	2532	E -24	2069
41		9.3R	8 7.842	-0.0007	20	-23 24 20.73	-0.026	20	0.35	7.854	16	33.9	20.32	16	33.9	F8 M	14	2530	E -23	2479
42		9.9R	8 9.235	-0.0028	20	-22 35 55.47	-0.017	20	0.35	9.280	16	33.9	55.19	16	33.9		14	2531	E -22	2045
43		8.6A	8 10.886	0.0008	18	-21 50 5.17	0.010	13	0.30	10.872	16	33.9	5.33	16	33.9	K2 J	13A	1652	A -21	1090
44		9.0R	8 11.096	-0.0011	20	-24 9 34.65	0.028	20	0.35	11.114	16	33.9	35.09	16	33.9	K0 M	14	2533	E -24	2071
45		9.0R	8 14.115	0.0000	18	-25 32 16.07	-0.001	18	0.33	14.115	16	33.9	16.05	16	33.9	A0 J	14	2535	E -25	2269
46		9.4R	8 15.274	-0.0001	15	-25 20 29.88	-0.004	15	0.29	15.275	16	33.9	29.82	16	33.9	F5 J	14	2536	E -25	2270
47		9.4R	8 15.834	-0.0042	17	-23 16 41.86	0.042	17	0.31	15.766	16	33.9	42.54	16	33.9	A5 J	14	2534	E -23	2484
48		8.6A	8 17.790	-0.0010	18	-20 9 15.59	0.006	13	0.30	17.806	16	33.9	15.69	16	33.9	K5 J	13A	1653	A -20	1022
49		7.7A	8 34.493	-0.0014	18	-20 48 32.93	0.006	13	0.30	34.515	16	33.9	33.04	16	33.9	B9 J	13A	1655	A -20	1025
50		9.1R	8 36.265	-0.0010	18	-25 16 25.71	-0.028	18	0.33	36.280	16	33.9	25.27	16	33.9	F2 J	14	2537	E -25	2274
51		6.5T	5 8 42.497	-0.0015	12	-25 58 15.36	0.059	12	0.67	42.576	15	97.4	18.61	17	94.5	K0	GC	6346	C -26	2045
52		8.9R	8 46.992	-0.0008	18	-23 38 5.18	0.019	18	0.33	47.005	16	33.9	5.48	16	33.9	A0 J	14	2539	E -23	2491
53		9.0R	8 50.458	0.0012	17	-22 5 39.53	0.071	17	0.31	50.438	16	33.9	40.67	16	33.9	G0 J	14	2540	E -22	2053
54		9.2R	8 52.093	0.0004	17	-22 33 50.56	0.008	17	0.31	52.087	16	33.9	50.70	16	33.9	K0 M	14	2541	E -22	2054
55		9.6R	8 53.255	0.0000	18	-23 26 12.64	-0.018	18	0.33	53.255	16	33.9	12.36	16	33.9	K0 M	14	2542	E -23	2494
56		8.2R	8 56.242	0.0000	12	-29 48 33.38	-0.036	12	0.25	56.242	16	33.9	32.80	16	33.9	F2 J	13B	2161	J -29	2100
57		9.0A	8 57.239	0.0003	18	-21 33 28.95	-0.033	13	0.30	57.234	16	33.9	28.41	16	33.9	G0 J	13A	1659	A -21	1095
58		8.9R	8 58.688	0.0007	18	-24 30 32.29	-0.001	18	0.33	58.677	16	33.9	32.27	16	33.9	A0 J	14	2544	E -24	2065
59		9.1R	9 2.663	0.0018	15	-23 28 1.35	0.009	15	0.29	2.634	16	33.9	1.50	16	33.9	K0 M	14	2545	E -23	2498
60		8.9A	9 2.751	-0.0000	18	-20 56 59.84	0.066	13	0.30	2.751	16	33.9	+ 0.90	16	33.9	K0 J	13A	1660	A -21	1096
61		7.9R	9 6.251	0.0012	15	-24 24 34.19	0.004	15	0.29	6.232	16	33.9	34.25	16	33.9	G5 J	14	2546	E -24	2067
62		9.1R	9 7.621	0.0001	18	-29 40 51.89	0.006	18	0.33	7.620	16	33.9	51.99	16	33.9	K2 M	13B	2163	J -29	2102
63		9.4R	9 7.847	0.0027	18	-25 29 28.55	-0.058	18	0.33	7.803	16	33.9	27.63	16	33.9	G0 J	14	2547	E -25	2281
64		8.2R	9 9.755	-0.0003	18	-26 45 47.10	-0.067	18	0.33	9.761	16	33.9	46.03	16	33.9	K0 J	14	2549	E -26	2047
65		9.5R	9 10.977	-0.0010	20	-23 42 20.44	-0.095	20	0.35	10.993	16	33.9	18.90	16	33.9	K0 M	14	2548	E -23	2504
66		8.9R	9 11.456	0.0063	18	-27 35 56.19	-0.126	18	0.33	11.355	16	33.9	54.16	16	33.9	K0 M	13B	2165	J -27	2117
67		8.7R	9 12.885	0.0000	18	-27 7 51.32	-0.049	18	0.33	12.885	16	33.9	50.54	16	33.9	K0 J	13B	2166	J -27	2118
68		7.8R	9 15.558	0.0028	17	-29 39 19.86	-0.031	17	0.31	15.512	16	33.9	19.36	16	33.9	F0 J	13B	2167	J -29	2103
69		8.4R	9 16.644	0.0045	15	-22 13 50.31	0.023	15	0.29	16.572	16	33.9	50.68	16	33.9	G5 J	14	2550	E -22	2057
70		9.1R	9 18.934	-0.0018	18	-26 26 18.53	-0.017	18	0.33	18.963	16	33.9	18.25	16	33.9	K0 M	14	2551	E -26	2048
71		8.9R	9 21.867	-0.0031	18	-24 36 44.64	-0.010	18	0.33	21.916	16	33.9	44.48	16	33.9	K0 J	14	2552	E -24	2095
72		9.2R	9 25.724	-0.0009	12	-23 53 37.99	0.021	12	0.25	25.739	16	33.9	38.32	16	33.9	K0 M	14	2553	E -23	2506
73		8.4R	9 26.971	0.0019	18	-27 0 19.59	0.059	18	0.33	26.941	16	33.9	20.55	16	33.9	K0 J	13B	2169	J -27	2122
74		9.0R	9 27.029	0.0003	15	-27 44 52.17	-0.043	15	0.29	27.023	16	33.9	51.49	16	33.9	K0 M	13B	2170	J -27	2124
75		8.8A	9 27.243	0.0004	18	-20 13 24.52	-0.022	13	0.30	27.236	16	33.9	24.17	16	33.9	K0 J	13A	1662	A -20	1028
76		8.3R	9 37.744	0.0011	20	-29 37 10.03	0.024	20	0.35	37.727	16	33.9	10.41	16	33.9	G5 J	13B	2174	J -29	2106
77		9.6R	9 40.503	-0.0028	20	-28 1 54.96	0.040	20	0.35	40.548	16	33.9	55.61	16	33.9	K0 M	13B	2175	J -28	2012
78		8.7R	9 46.856	0.0013	18	-24 55 22.76	0.041	18	0.33	46.836	16	33.9	23.42	16	33.9	K2 M	14	2554	E -25	2288
79		9.4R	9 54.218	-0.0005	17	-22 29 11.80	-0.011	17	0.31	54.226	16	33.9	11.62	16	33.9	G0 M	14	2555	E -22	2063
80		8.6R	9 58.854	0.0016	15	-26 16 56.10	-0.022	15	0.29	58.829	16	33.9	55.75	16	33.9	K0 M	13B	2177	J -26	2018
81		8.7R	10 1.755	0.0025	18	-24 35 2.39	0.053	18	0.33	1.715	16	33.9	3.24	16	33.9	G0 J	14	2556	E -24	2904
82		8.1R	10 3.973	0.0018	18	-26 38 59.38	-0.044	18	0.33	3.945	16	33.9	58.68	16	33.9	K0 J	14	2559	E -26	2060
83		9.3R	10 6.810	0.0015	13	-23 37 10.20	-0.024	13	0.27	6.786	16	33.9	9.81	16	33.9	K0 M	14	2558	E -23	2514
84		9.1R	10 14.601	0.0003	20	-28 21 10.06	-0.019	17	0.33	14.595	16	33.9	9.75	16	33.9	F5 M	13B	2181	J -28	2022
85		8.3R	10 20.257	0.0006	15	-26 36 36.60	-0.111	15	0.29	20.248	16	33.9	34.82	16	33.9	G0 J	14	2561	E -26	2064
86		9.1R	10 21.540	0.0030	20	-27 56 29.00	-0.085	20	0.35	21.492	16	33.9	27.64	16	33.9	F5 M	13B	2182	J -28	2025
87		9.4R	10 21.705	0.0024	17	-22 17 10.34	0.055	17	0.31	21.665	16	33.9	11.22	16	33.9	K2 J	14	2560	E -22	2066
88		8.9R	10 26.410	0.0021	18	-25 26 1.83	-0.004	18	0.33	26.376	16	33.9	1.78	16	33.9	K0 J	14	2563	E -25	2298
89		8.6R	10 41.344	-0.0013	18	-22 33 56.97	0.012	18	0.33	41.366	16	33.9	57.17	16	33.9	A5 J	14	2564	E -22	2068
90		8.5A	10 43.792	0.0003	17	-20 38 20.02	0.025	13	0.29	43.788	16	33.9	20.43	16	33.9	F0 J	13A	1670	A -20	1034
91		8.6R	10 46.648	0.0012	18	-27 44 6.39	0.002	18	0.33	46.628	16	33.9	6.43	16	33.9	G0 J	13B	2184	J -27	2134
92		8.6A	10 46.903	-0.0014	18	-20 11 27.93	-0.035	13	0.30	46.926	16	33.9	27.37	16	33.9	F2 J	13A	1672	A -20	1035
93		9.2R	10 50.180	0.0002	15	-28 31 24.74	-0.022	15	0.29	50.176	16	33.9	24.39	16	33.9	F0 M	13B	2187	J -28	2028
94		7.1T	10 51.621	-0.0010	13	-27 14 7.53	0.019	13	0.70	51.671	17	99.8	8.55	18	98.0	K2	GC	6386K	C -27	2137
95		9.1R	10 54.055	-0.0006	17	-23 17 48.00	-0.019	17	0.31	54.064	16	33.9	47.70	16	33.9	K5 M	14	2565	E -23	2529
96		7.5T	10 55.700	-0.0002	13	-27 13 0.73	0.011	12	0.69	55.710	18	99.1	1.33	18	97.5	K0	GC	6389K	C -27	2138
97		9.0R	11 0.077	-0.0006	20	-28 7 19.50	0.016	20	0.35	0.087	16	33.9	19.76	16	33.9	F5 M	13B	2189	J -28	2030
98		8.5R	11 0.532	0.0007	18	-24 1 20.08	0.013	18	0.33	0.521	16	33.9	20.28	16	33.9	K0 J	14	2566	E -24	2915
99		8.5R	11 2.766	0.0025	15	-29 40 14.41	-0.031	15	0.29	2.725	16	33.9	13.91	16	33.9	K0 J	13B	2191	J -29	2121
00		9.1R	11 3.117	0.0004	18	-24 37 26.95	0.006	18	0.33	3.110	16	33.9	27.04	16	33.9	G0 J	14	2567	E -24	2917

170200

EPOCH 1950											ORIGINAL EPOCH							SP.		SOURCE		-20° 5H
NUMBER	MAGNITUDES		α_{1950}	μ	σ_μ	δ_{1950}	μ'	$\sigma_{\mu'}$	σ_{1950}	α_2	σ	ep.	δ_2	σ'	ep.			CAT.	STAR NUMBER	DM NUMBER
	m_{pg}	m_v	h m s	s	″.001	° ′ ″	″	″.001	″	s	″.01		″	″.01						
1		8.5R	5 11 5.569	0.0016	18	-26 4 9.92	0.001	18	0.33	5.544	16	33.9	9.93	16	33.9	M2	M	14	2568	E -26 2072
2		9.9R	11 10.013	0.0015	18	-24 6 27.92	0.005	18	0.33	9.989	16	33.9	27.99	16	33.9	G5	M	14	2569	E -24 2919
3		8.6R	11 14.749	0.0004	15	-29 19 5.70	-0.032	15	0.29	14.742	16	33.9	5.19	16	33.9	A0	J	13B	2192	J -29 2124
4		8.3A	11 18.368	-0.0002	18	-20 35 13.89	0.028	13	0.30	18.371	16	33.9	14.34	16	33.9	K2	J	13A	1676	A -20 1036
5		8.9R	11 20.843	-0.0007	18	-22 4 59.37	0.033	18	0.33	20.853	16	33.9	59.90	16	33.9	G0	J	14	2570	E -22 2075
6		9.1R	11 21.514	-0.0023	17	-29 3 51.72	0.019	17	0.31	21.551	16	33.9	52.03	16	33.9	F8	M	13B	2193	J -29 2125
7		8.6R	11 32.181	-0.0023	18	-26 14 32.80	0.004	18	0.33	32.218	16	33.9	32.86	16	33.9	F8	M	14	2573K	E -26 2076
8		9.0R	11 32.705	0.0004	18	-24 52 22.66	-0.026	18	0.33	32.699	16	33.9	22.24	16	33.9	F8	J	14	2572	E -24 2923
9		9.3R	11 33.443	-0.0011	13	-22 22 44.28	-0.010	13	0.27	33.460	16	33.9	44.12	16	33.9	G0	M	14	2571	E -22 2077
10		9.1R	11 34.234	0.0004	18	-25 24 2.16	0.004	18	0.33	34.228	16	33.9	2.23	16	33.9	G0	J	14	2574	E -25 2311
11		9.4R	11 38.216	-0.0044	20	-22 43 45.73	-0.001	20	0.35	38.287	16	33.9	45.72	16	33.9	G	M	14	2576	E -22 2078
12		9.1R	11 38.253	-0.0011	22	-22 40 4.28	0.016	22	0.39	38.272	16	33.9	4.54	16	33.9	G0	J	14	2575	E -22 2079
13		9.2R	11 44.392	-0.0003	20	-23 56 17.02	0.027	20	0.35	44.398	16	33.9	17.45	16	33.9	G5	M	14	2577	E -24 2927
14		9.5R	11 46.289	-0.0006	18	-23 50 35.50	-0.018	18	0.33	46.299	16	33.9	35.20	16	33.9	K0	M	14	2578	E -23 2537
15		9.5R	11 47.550	0.0021	18	-23 59 38.02	0.022	18	0.33	47.516	16	33.9	38.37	16	33.9	F2	M	14	2579	E -24 2930
16		7.5R	11 49.829	0.0015	17	-23 2 44.51	0.021	17	0.31	49.806	16	33.9	44.85	16	33.9	G5	J	14	2580	E -23 2539
17		9.5R	11 51.631	0.0066	20	-22 1 51.49	0.081	20	0.35	51.524	16	33.9	52.79	16	33.9	M	M	14	2581	E -22 2084
18		7.2A	11 56.667	0.0007	15	-21 42 24.82	0.027	11	0.26	56.655	16	33.9	25.25	16	33.9	A2	J	13A	1679	A -21 1107
19		8.8A	11 59.869	0.0018	17	-20 14 31.78	0.040	12	0.28	59.841	16	33.9	32.43	16	33.9	F0	J	13A	1680	A -20 1040
20		8.8A	12 0.765	0.0011	17	-21 42 7.54	0.011	12	0.28	0.747	16	33.9	7.71	16	33.9	G5	J	13A	1681	A -21 1108
21		8.9R	12 2.312	-0.0004	12	-26 26 45.45	-0.035	12	0.25	2.319	16	33.9	44.88	16	33.9	G0	J	14	2583	E -26 2080
22		9.5R	12 8.991	0.0034	18	-26 42 48.22	-0.043	18	0.33	8.936	16	33.9	47.53	16	33.9	K0	M	14	2586	E -26 2082
23		9.4R	12 12.024	0.0011	18	-23 16 2.22	-0.002	18	0.33	12.006	16	33.9	2.19	16	33.9	A2	J	14	2584	E -23 2545
24		9.1R	12 13.094	0.0015	13	-22 36 19.25	0.017	13	0.27	13.071	16	33.9	19.53	16	33.9	G5	J	14	2585	E -22 2087
25		8.6R	12 13.367	0.0003	18	-27 22 7.55	-0.002	18	0.33	13.362	16	33.9	7.51	16	33.9	K0	J	13B	2200	J -27 2148
26		9.4R	12 18.218	0.0051	18	-24 31 12.46	-0.041	18	0.33	18.137	16	33.9	11.80	16	33.9	G0	J	14	2587	E -24 2935
27		7.5R	12 20.269	0.0007	18	-26 51 2.29	-0.018	18	0.33	20.258	16	33.9	2.01	16	33.9	K0	J	14	2590	E -26 2084
28		9.1R	12 25.650	-0.0002	13	-22 34 35.37	-0.006	13	0.27	25.653	16	33.9	35.28	16	33.9	M0	J	14	2589	E -22 2089
29		9.5R	12 27.643	-0.0001	18	-25 48 47.59	-0.002	18	0.33	27.645	16	33.9	47.55	16	33.9	G5	M	14	2591	E -25 2323
30		7.1T	12 28.897	0.0038	13	-26 15 49.90	-0.047	12	0.68	28.702	18	98.5	47.32	18	95.6	K0		GC	6414	C -26 2085
31		9.6R	12 34.831	0.0006	17	-22 28 38.29	-0.035	17	0.31	34.820	16	33.9	37.72	16	33.9	F8	M	14	2593	E -22 2091
32		7.3T	12 37.080	0.0027	11	-27 1 5.80	0.041	09	0.54	36.943	17	99.4	8.00	15	96.9	G5		GC	6418	C -27 2152
33		9.3R	12 45.074	-0.0026	21	-24 25 10.22	0.035	21	0.37	45.116	16	33.9	10.78	16	33.9	A5	M	14	2594	E -24 2941
34		9.4R	12 45.609	-0.0034	18	-24 8 23.61	-0.009	18	0.33	45.664	16	33.9	23.46	16	33.9	A3	M	14	2595	E -24 2942
35		7.1T	13 12.336	-0.0028	12	-28 23 27.13	0.017	12	0.66	12.477	18	99.0	28.06	18	97.1	A2		GC	6431	C -28 2057
36		9.1R	13 14.275	0.0007	17	-29 18 24.68	-0.028	17	0.31	14.263	16	33.9	24.24	16	33.9	K2	M	13B	2206	J -29 2142
37		9.5R	13 21.716	0.0021	17	-23 7 3.81	0.007	17	0.31	21.683	16	33.9	3.93	16	33.9	K2	M	14	2596	E -23 2560
38		5.0T	13 23.904	0.0004	06	-26 59 52.83	-0.018	05	0.25	23.887	09	09.3	52.02	10	04.2	B9		GC	6438	C -27 2161
39		7.3T	13 24.386	0.0004	12	-29 48 51.14	0.017	12	0.64	24.366	17	98.9	52.06	18	96.6	K0		GC	6439	C -29 2143
40		9.3R	13 24.653	0.0004	17	-23 31 3.25	0.005	17	0.31	24.647	16	33.9	3.33	16	33.9	K0	M	14	2597	E -23 2561
41		8.4A	13 28.976	-0.0019	17	-21 15 4.05	0.021	13	0.29	29.007	16	33.9	4.40	16	33.9	A3	J	13A	1686	A -21 1117
42		9.2R	13 37.525	-0.0022	12	-22 5 32.35	0.013	12	0.25	37.559	16	33.9	32.55	16	33.9	G0	J	14	2598	E -22 2098
43		6.9T	13 37.863	-0.0023	14	-22 56 56.97	0.013	12	0.70	37.977	18	99.6	57.67	18	96.5	A0		GC	6440	C -23 2566
44		8.2R	13 38.231	-0.0009	15	-26 29 47.12	0.007	15	0.29	38.245	16	33.9	47.23	16	33.9	K5	J	14	2602	E -26 2096
45		9.7R	13 38.483	-0.0011	18	-23 52 6.96	0.018	18	0.33	38.500	16	33.9	7.24	16	33.9	G5	M	14	2600	E -23 2567
46		9.4R	13 41.055	0.0018	18	-25 2 24.16	0.010	18	0.33	41.025	16	33.9	24.33	16	33.9	K0	M	14	2603	E -25 2332
47		8.2R	13 41.161	-0.0012	17	-24 20 31.43	0.010	17	0.31	41.181	16	33.9	31.58	16	33.9	A5	J	14	2601	E -24 2955
48		9.3R	13 42.945	-0.0027	18	-26 20 14.92	-0.012	18	0.33	42.988	16	33.9	14.72	16	33.9	A0	J	14	2604	E -26 2100
49		9.1R	13 43.498	0.0013	18	-26 17 0.70	-0.011	18	0.33	43.477	16	33.9	0.52	16	33.9	G	M	14	2605	E -26 2099
50		9.4R	13 45.613	0.0014	18	-27 26 33.71	-0.043	18	0.33	45.590	16	33.9	33.03	16	33.9	G5	M	13B	2214	J -27 2166
51		9.0R	5 13 46.211	0.0030	17	-29 50 4.67	-0.009	17	0.31	46.163	16	33.9	4.52	16	33.9	F5	M	13B	2215	J -29 2147
52		9.4R	13 53.475	0.0081	18	-23 7 31.16	0.039	18	0.33	53.344	16	33.9	31.79	16	33.9	G2	M	14	2606	E -23 2570
53		9.0R	14 3.464	-0.0021	18	-23 27 43.37	-0.015	18	0.33	3.458	16	33.9	43.62	16	33.9	G5	J	14	2607	E -23 2574
54		8.6R	14 6.555	-0.0029	18	-25 2 6.86	-0.015	18	0.33	6.601	16	33.9	6.63	16	33.9	G0	J	14	2608	E -25 2339
55		8.6R	14 8.431	-0.0001	17	-29 48 9.85	-0.014	17	0.31	8.434	16	33.9	9.62	16	33.9	K0	J	13B	2218	J -29 2150
56		9.5R	14 10.947	0.0014	18	-25 58 5.48	-0.010	15	0.31	10.925	16	33.9	5.31	16	33.9	K0	M	14	2609	E -26 2104
57		9.1A	14 12.321	-0.0023	17	-20 40 54.03	0.055	13	0.29	12.358	16	33.9	54.92	16	33.9	A5	J	13A	1688	A -20 1047
58		8.2R	14 19.487	0.0041	16	-23 6 48.73	0.003	18	0.33	19.421	16	33.9	48.79	16	33.9	G5	J	14	2610	E -23 2577
59		8.6R	14 20.843	-0.0028	15	-29 29 28.75	-0.117	15	0.29	20.888	16	33.9	26.87	16	33.9	G0	J	13B	2219	J -29 2154
60		7.7A	14 22.138	0.0005	18	-21 9 14.51	0.019	13	0.30	22.130	16	33.9	14.83	16	33.9	A2	J	13A	1689	A -21 1119
61		9.3R	14 27.826	-0.0001	18	-26 17 16.58	-0.004	18	0.33	27.828	16	33.9	16.51	16	33.9	K5	M	14	2611	E -26 2105
62		7.7R	14 29.960	0.0004	18	-28 11 32.64	-0.031	18	0.33	29.953	16	33.9	32.15	16	33.9	K5	J	13B	2221	J -28 2069
63		9.3R	14 31.537	0.0010	20	-27 56 33.81	-0.007	20	0.35	31.521	16	33.9	33.71	16	33.9	G2	M	13B	2222	J -28 2070
64		8.5R	14 32.146	0.0067	12	-29 55 10.69	-0.042	12	0.25	32.038	16	33.9	10.01	16	33.9	G5	J	13B	2223	J -30 2289
65		7.7T	14 32.827	0.0025	13	-25 23 9.61	0.010	12	0.71	32.701	21	99.1	10.16	19	96.5	A0		GC	6462	C -25 2347
66		8.7A	14 36.358	-0.0014	18	-20 49 8.37	-0.013	13	0.30	36.380	16	33.9	8.17	16	33.9	K5	J	13A	1690	A -20 1051
67		9.0R	14 36.633	-0.0009	15	-24 13 19.11	0.022	15	0.29	36.648	16	33.9	19.46	16	33.9	F2	J	14	2613	E -24 2962
68		9.6R	14 37.231	-0.0018	18	-26 56 4.60	-0.023	18	0.33	37.261	16	33.9	4.24	16	33.9	F0	M	14	2614	E -27 2175
69		8.8R	14 40.800	-0.0012	18	-26 23 15.10	0.142	18	0.33	40.820	16	33.9	17.38	16	33.9	F8	J	14	2616	E -26 2108
70		8.0R	14 44.686	-0.0020	18	-22 19 36.55	-0.097	18	0.33	44.718	16	33.9	34.99	16	33.9	K0	J	14	2615	E -22 2110
71		9.0R	14 45.806	-0.0012	18	-24 38 41.44	0.020	18	0.33	45.825	16	33.9	41.76	16	33.9	M3	M	14	2617	E -24 2966
72		8.9A	14 48.426	-0.0007	18	-21 18 56.30	0.027	13	0.30	48.437	16	33.9	56.72	16	33.9	A3	J	13A	1692	A -21 1123
73		9.4R	14 50.539	-0.0034	12	-24 11 9.28	-0.030	12	0.25	50.594	16	33.9	8.79	16	33.9	F8	M	14	2618	E -24 2967
74		9.2R	14 54.645	0.0021	18	-28 53 6.27	0.036	18	0.33	54.611	16	33.9	6.86	16	33.9	F5	M	13B	2227	J -28 2077
75		9.1R	14 58.071	0.0008	17	-23 45 50.33	0.005	17	0.31	58.058	16	33.9	50.41	16	33.9	F0	M	14	2620	E -23 2587
76		9.0R	15 1.391	-0.0051	20	-29 56 42.38	-0.035	20	0.35	1.473	16	33.9	41.82	16	33.9	G5	M	13B	2228	J -30 2294
77		9.4R	15 4.977	0.0046	20	-22 8 20.15	-0.022	20	0.35	4.903	16	33.9	19.79	16	33.9	F8	M	14	2621	E -22 2116
78		8.8A	15 6.835	0.0006	18	-20 53 14.93	-0.005	13	0.30	6.826	16	33.9	14.85	16	33.9	A0	J	13A	1694	A -20 1053
79		7.8R	15 15.751	0.0007	15	-27 17 54.75	-0.002	15	0.29	15.740	16	33.9	54.72	16	33.9	K2	J	13B	2230	J -27 2182
80		9.2R	15 20.179	-0.0007	20	-27 59 41.06	0.021	20	0.35	20.190	16	33.9	41.41	16	33.9	F8	M	13B	2231	J -28 2079
81		9.4R	15 24.619	-0.0019	18	-23 53 26.14	-0.032	18	0.33	24.649	16	33.9	25.62	16	33.9	G0	J	14	2622K	E -23 2594
82		8.4R	15 36.834	0.0014	18	-27 11 8.32	-0.069	18	0.33	36.811	16	33.9	7.22	16	33.9	G0	J	13B	2233	J -27 2186
83		9.5R	15 36.857	-0.0018	18	-27 41 29.34	-0.006	18	0.33	36.886	16	33.9	29.25	16	33.9	G5	M	13B	2234	J -27 2187
84		8.6R	15 37.009	0.0013	15	-23 13 45.85	0.004	15	0.29	36.989	16	33.9	45.92	16	33.9	K2	J	14	2623	E -23 2598
85		9.1R	15 38.723	0.0015	18	-26 41 24.98	-0.050	18	0.33	38.699	16	33.9	24.18	16	33.9	A2	M	14	2624	E -26 2118
86		8.8R	15 48.576	-0.0019	17	-22 50 16.30	0.038	17	0.31	48.606	16	33.9	16.92	16	33.9	F5	M	14	2625	E -22 2125
87		8.5R	15 49.525	-0.0022	12	-28 13 26.74	0.078	12	0.25	49.559	16	33.9	28.00	16	33.9	G0	J	13B	2237	J -28 2083
88		9.4R	15 51.490	-0.0003	20	-22 22 7.90	-0.000	20	0.35	51.494	16	33.9	7.89	16	33.9	F0	M	14	2626	E -22 2127
89		8.7R	15 53.346	-0.0008	18	-23 28 50.31	0.003	18	0.33	53.360	16	33.9	50.37	16	33.9	K0	J	14	2627	E -23 2600
90		7.8A	16 11.535	-0.0004	17	-21 52 35.20	0.003	12	0.28	11.540	16	33.9	35.24	16	33.9	A2	J	13A	1702	A -21 1128
91		8.0R	16 12.858	-0.0045	18	-25 18 12.04	-0.019	18	0.33	12.930	16	33.9	11.73	16	33.9	G0	J	14	2628	E -25 2361
92		8.5R	16 13.896	-0.0026	15	-25 20 1.37	-0.004	15	0.29	13.937	16	33.9	1.31	16	33.9	A2	J	14	2629	E -25 2363
93		8.5R	16 16.804	0.0011	17	-29 37 36.71	0.044	17	0.31	16.787	16	33.9	37.42	16	33.9	G5	J	13B	2241	J -29 2168
94		8.5A	16 17.568	-0.0004	18	-20 55 46.35	-0.007	13	0.30	17.574	16	33.9	46.23	16	33.9	K2	J	13A	1703	A -21 1129
95		8.8R	16 19.293	-0.0010	20	-26 40 0.96	-0.033	20	0.35	19.309	16	33.9	0.43	16	33.9	G5	M	14	2631	E -26 2132
96		9.0R	16 21.446	0.0052	17	-23 16 27.15	0.008	17	0.31	21.363	16	33.9	27.29	16	33.9	G0	J	14	2630	E -23 2608
97		9.1R	16 23.756	-0.0001	20	-26 22 1.09	0.045	20	0.35	23.757	16	33.9	1.81	16	33.9	F8	M	14	2634	E -26 2133
98		9.6R	16 25.174	0.0017	18	-23 27 57.13	-0.024	18	0.33	25.147	16	33.9	56.75	16	33.9	K0	M	14	2632	E -23 2609
99		9.5R	16 26.011	0.0027	18	-23 43 53.41	-0.011	18	0.33	25.967	16	33.9	53.23	16	33.9	F0	M	14	2633	E -23 2610
00		8.7R	16 39.169	-0.0007	18	-22 15 48.23	0.012	18	0.33	39.180	16	33.9	48.42	16	33.9	M0	J	14	2635	E -22 2135

170300

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.		SOURCE CAT.	STAR NUMBER	-20° 5H DM NUMBER
1		8.3R	5 16 44.686	-0.0007	18	-22 28 40.70	-0.022	18	0.33	44.696	16	33.9	40.34	16	33.9	A5	J	14	2636	E -22 2137
2		9.1R	16 48.284	-0.0027	20	-26 29 34.71	-0.034	20	0.35	48.268	16	33.9	34.16	16	33.9	F0	M	14	2638	E -26 2136
3		8.2R	16 48.568	0.0001	17	-28 55 23.83	-0.024	17	0.31	48.566	16	33.9	23.45	16	33.9	A5	J	13B	2242	J -29 2173
4		8.9R	16 53.065	0.0008	20	-28 39 1.57	0.026	20	0.35	53.053	16	33.9	2.00	16	33.9	K0	M	13B	2243	J -28 2094
5		8.4R	16 53.790	-0.0005	18	-22 2 5.22	-0.014	18	0.33	53.798	16	33.9	4.99	16	33.9	F8	J	14	2637	E -22 2139
6		8.9A	16 55.505	0.0005	18	-21 10 43.14	0.000	13	0.30	55.498	16	33.9	43.15	16	33.9	A0	J	13A	1709	A -21 1132
7		8.5R	17 2.902	0.0022	18	-24 13 1.58	-0.025	18	0.33	2.866	16	33.9	1.17	16	33.9	K2	J	14	2639	E -24 2993
8		8.9R	17 4.385	-0.0004	18	-24 49 4.97	0.012	18	0.33	4.391	16	33.9	5.16	16	33.9	K2	M	14	2640	E -24 2994
9		9.6R	17 17.018	-0.0023	18	-23 52 20.46	0.025	18	0.33	17.055	16	33.9	20.85	16	33.9	F8	M	14	2641	E -23 2623
10		9.0R	17 22.299	-0.0024	20	-28 34 0.77	0.013	20	0.35	22.337	16	33.9	0.98	16	33.9	F5	M	13B	2247	J -28 2097
11		5.7H	17 24.024	-0.0002	02	-27 25 8.70	-0.012	03	0.10	24.029	05	19.2	8.32	05	18.5	A0		F4	198	C -27 2204
12		9.7R	17 24.396	-0.0000	18	-22 44 27.62	0.017	18	0.33	24.397	16	33.9	27.90	16	33.9	A2	M	14	2642	E -22 2144
13		7.3R	17 28.312	-0.0001	20	-25 10 25.93	-0.005	20	0.35	28.314	16	33.9	25.86	16	33.9	M2	M	14	2644	E -25 2370
14		8.9R	17 30.039	0.0062	18	-22 17 58.77	0.008	18	0.33	29.939	16	33.9	58.89	16	33.9	G0	J	14	2643	E -22 2145
15		8.6A	17 30.297	-0.0034	18	-26 41 40.53	-0.014	13	0.30	30.352	16	33.9	40.31	16	33.9	F5	J	13A	1713	A -20 1059
16		9.6R	17 38.329	0.0019	18	-24 45 45.79	0.011	18	0.33	38.298	16	33.9	45.96	16	33.9	F0	M	14	2646	E -24 3002
17		8.5R	17 40.296	-0.0019	20	-25 18 16.63	0.016	20	0.35	40.326	16	33.9	16.90	16	33.9	K0	J	14	2647	E -25 2371
18		8.3R	17 40.723	-0.0037	18	-22 35 33.70	0.018	18	0.33	40.782	16	33.9	34.00	16	33.9	F5	J	14	2645	E -22 2149
19		7.1T	17 44.375	0.0011	13	-25 58 41.96	0.076	12	0.69	44.320	18	99.6	45.94	18	97.3	F2		GC	6541	C -26 2148
20		9.0R	17 46.986	-0.0015	18	-24 21 44.76	-0.007	18	0.33	47.010	16	33.9	44.64	16	33.9	A0	J	14	2650	E -24 3003
21		9.3R	17 48.546	-0.0006	20	-22 35 49.13	-0.018	20	0.35	48.556	16	33.9	48.84	16	33.9	G0	J	14	2648	E -22 2150
22		9.1R	17 49.747	-0.0003	12	-25 45 47.77	-0.024	12	0.25	49.753	16	33.9	47.38	16	33.9	G5	M	14	2651	E -25 2628
23		8.6R	17 52.112	-0.0003	20	-25 40 25.32	-0.011	20	0.35	52.116	16	33.9	25.14	16	33.9	F2	J	14	2652	E -25 2373
24		8.7A	17 52.944	-0.0009	18	-20 8 14.62	0.032	13	0.30	52.958	16	33.9	15.14	16	33.9	K7	J	13A	1717	A -20 1061
25		9.2R	17 56.593	0.0007	15	-22 36 47.54	-0.010	15	0.29	56.581	16	33.9	47.39	16	33.9	G5	J	14	2653	E -22 2151
26		9.3R	18 10.275	-0.0013	17	-27 56 6.86	-0.007	17	0.31	10.296	16	33.9	6.76	16	33.9	B8	M	13B	2252	J -28 2108
27		4.7T	18 18.710	-0.0000	08	-21 17 19.20	0.000	08	0.36	18.711	10	08.8	19.22	12	08.4	A0		GC	6559K	B*-21 1135
28		8.6R	18 22.146	0.0005	18	-26 37 2.14	0.013	18	0.33	22.138	16	33.9	2.35	16	33.9	A0	J	14	2655	E -26 2155
29		8.9R	18 23.441	-0.0018	18	-22 20 9.90	0.015	18	0.33	23.470	16	33.9	10.14	16	33.9	A0	J	14	2654	E -22 2155
30		8.9R	18 27.545	-0.0024	15	-29 51 56.87	0.035	15	0.29	27.584	16	33.9	57.43	16	33.9	F0	J	13B	2254	J -29 2188
31		8.6R	18 28.324	0.0004	18	-22 27 56.83	0.014	18	0.33	28.317	16	33.9	57.05	16	33.9	K2	J	14	2656	E -22 2158
32		9.0R	18 39.495	0.0017	12	-29 46 25.81	0.031	12	0.25	39.468	16	33.9	26.31	16	33.9	F8	M	13B	2256	J -29 2191
33		9.7R	18 39.687	0.0020	20	-23 11 29.70	0.028	20	0.35	39.655	16	33.9	30.15	16	33.9	G0	M	14	2657	E -23 2642
34		8.7R	18 41.599	0.0031	18	-27 51 12.41	0.000	18	0.33	41.548	16	33.9	12.42	16	33.9	G5	M	13B	2255	J -27 2212
35		8.0A	18 46.782	-0.0013	17	-21 5 18.66	-0.006	12	0.28	46.804	16	33.9	18.57	16	33.9	B9	J	13A	1726	A -21 1137
36		7.1T	18 47.589	0.0002	12	-29 15 16.79	0.024	12	0.66	47.581	18	98.5	18.07	18	97.4	A0		GC	6570	C -29 2192
37		8.7R	18 49.299	0.0027	15	-25 35 14.45	-0.010	15	0.29	49.256	16	33.9	14.29	16	33.9	A5	J	14	2658	E -25 2380
38		8.6A	18 55.098	-0.0003	18	-21 43 56.90	-0.002	15	0.31	55.103	16	33.9	56.86	16	33.9	F5	J	13A	1727	A -21 1138
39		9.4R	18 55.435	0.0026	18	-23 13 52.43	0.003	18	0.33	55.393	16	33.9	52.48	16	33.9	F0	M	14	2659	E -23 2646
40		9.5R	18 56.713	-0.0032	18	-24 45 6.79	-0.008	18	0.33	56.764	16	33.9	6.66	16	33.9	F8	J	14	2660	E -24 3016
41		8.4R	18 59.276	-0.0024	12	-28 25 46.62	-0.021	12	0.25	59.314	16	33.9	46.29	16	33.9	G5	M	13B	2260	J -28 2115
42		9.3R	19 5.541	0.0012	18	-27 38 7.32	0.011	18	0.33	5.522	16	33.9	7.50	16	33.9	G0	M	13B	2261	J -27 2215
43		9.3R	19 7.294	-0.0004	12	-23 46 41.98	0.021	12	0.25	7.301	16	33.9	42.31	16	33.9	G0	J	14	2661	E -23 2650
44		8.9R	19 8.177	-0.0057	12	-29 15 10.08	-0.093	12	0.25	8.268	16	33.9	8.39	16	33.9	G2	M	13B	2263	J -29 2196
45		8.7R	19 10.645	-0.0029	18	-27 8 56.78	-0.013	18	0.33	10.692	16	33.9	56.58	16	33.9	K2	M	13B	2262	J -27 2217
46		9.5R	19 18.020	0.0015	20	-23 49 36.54	0.026	20	0.35	17.996	16	33.9	36.95	16	33.9	G0	J	14	2662	E -23 2652
47		9.2R	19 20.294	-0.0023	15	-24 35 25.97	0.013	15	0.29	20.331	16	33.9	26.18	16	33.9	K0	J	14	2663	E -24 3021
48		8.0R	19 23.816	0.0003	00	-27 59 50.91	-0.012	18	0.26	23.813	16	33.9	50.73	16	33.9	K0	J	13B	2265	J -28 2120
49		9.3R	19 32.770	-0.0027	21	-23 52 20.45	-0.036	21	0.37	32.814	16	33.9	19.86	16	33.9	K0	M	14	2664	E -23 2659
50		8.9R	19 40.184	-0.0014	15	-23 54 53.53	-0.072	15	0.29	40.207	16	33.9	52.36	16	33.9	G5	J	14	2666	E -23 2661
51		5.5T	5 19 42.994	-0.0021	06	-24 49 13.01	-0.013	05	0.32	43.099	12	98.8	12.27	12	93.3	G0		GC	6596K	C*-24 3023
52		6.7T	19 43.193	-0.0029	17	-24 49 14.25	-0.014	20	0.87	43.325	24	03.9	13.62	24	05.0	A3		GC	6597K	C -24 3023
53		9.2R	19 46.527	-0.0006	12	-22 24 53.96	0.025	12	0.25	46.536	16	33.9	54.36	16	33.9			14	2668	E -22 2172
54		9.0R	19 47.336	0.0006	18	-24 49 28.95	-0.023	18	0.33	47.327	16	33.9	28.58	16	33.9	K0	J	14	2669	E -24 3024
55		8.9R	19 53.125	-0.0013	18	-23 29 8.89	-0.008	18	0.33	53.146	16	33.9	8.77	16	33.9	A2	J	14	2670	E -23 2663
56		8.6R	19 58.168	0.0050	12	-28 11 24.88	-0.102	12	0.25	58.088	16	33.9	23.24	16	33.9	F8	J	13B	2268	J -28 2124
57		8.6R	19 58.806	-0.0015	15	-22 28 45.88	0.034	15	0.29	58.830	16	33.9	46.42	16	33.9	F2	J	14	2671	E -22 2177
58		9.3R	20 16.233	0.0026	17	-23 11 10.08	0.006	17	0.31	16.191	16	33.9	10.17	16	33.9	K2	M	14	2672	E -23 2671
59		8.6A	20 26.803	-0.0024	17	-20 5 13.88	0.033	13	0.29	26.841	16	33.9	14.41	16	33.9	A0	J	13A	1734	A -20 1071
60		8.3R	20 30.420	0.0005	15	-25 37 48.16	0.002	15	0.29	30.412	16	33.9	48.21	16	33.9	F5	J	14	2674	E -25 2404
61		9.1R	20 33.506	-0.0012	18	-25 57 17.60	0.001	18	0.33	33.525	16	33.9	17.61	16	33.9	A0	J	14	2676	E -26 2175
62		8.8A	20 35.313	0.0002	18	-21 50 38.15	0.012	13	0.30	35.309	16	33.9	38.34	16	33.9	A3	J	13A	1735	A -21 1151
63		8.8R	20 35.451	-0.0070	17	-29 46 4.62	0.015	12	0.28	35.563	16	33.9	4.86	16	33.9	G	M	13B	2274	J -29 2211
64		8.1R	20 35.792	-0.0003	18	-23 18 19.75	-0.001	18	0.33	35.787	16	33.9	19.74	16	33.9	K0	J	14	2675	E -23 2675
65		9.3R	20 39.353	0.0034	17	-23 46 59.20	0.012	17	0.31	39.299	16	33.9	59.39	16	33.9	A2	M	14	2677	E -23 2676
66		9.2R	20 46.635	0.0013	17	-22 50 23.82	-0.022	17	0.31	46.615	16	33.9	23.47	16	33.9	F8	M	14	2678	E -22 2186
67		8.8R	20 51.948	0.0009	17	-28 29 15.33	0.033	17	0.31	51.934	16	33.9	15.87	16	33.9	K2	M	13B	2275	J -28 2134
68		9.2R	20 52.956	-0.0018	12	-29 10 9.39	0.027	12	0.25	52.986	16	33.9	9.83	16	33.9	A5	M	13B	2277	J -29 2213
69		8.7R	20 57.616	0.0000	15	-23 6 38.26	0.004	15	0.29	57.616	16	33.9	38.33	16	33.9	A5	J	14	2680	E -23 2685
70		9.0R	20 58.711	-0.0015	21	-23 39 52.81	0.057	21	0.37	58.736	16	33.9	53.72	16	33.9	G0	J	14	2681	E -23 2686
71		9.0R	21 0.932	-0.0007	18	-27 13 3.54	0.015	18	0.33	0.921	16	33.9	3.77	16	33.9	K0	M	13B	2279	J -27 2232
72		8.7R	21 2.141	-0.0001	18	-27 26 53.69	-0.019	18	0.33	2.143	16	33.9	53.38	16	33.9	K2	M	13B	2280	J -27 2233
73		9.2R	21 6.793	0.0010	15	-22 24 26.48	-0.003	15	0.29	6.777	16	33.9	26.42	16	33.9	K2	M	14	2682	E -22 2189
74		9.7R	21 8.486	0.0044	15	-22 18 42.88	-0.089	15	0.29	8.415	16	33.9	41.44	16	33.9	G	M	14	2683	E -22 2190
75		6.4T	21 11.309	0.0018	07	-26 45 6.15	0.009	06	0.29	11.230	09	06.5	6.57	09	05.0	F5		GC	6634	C -26 2185
76		9.4R	21 11.415	0.0002	18	-25 26 7.17	0.007	18	0.33	11.412	16	33.9	7.29	16	33.9	A0	J	14	2686	E -25 2406
77		9.1R	21 12.010	0.0008	15	-26 34 39.07	-0.019	12	0.27	11.997	16	33.9	38.76	16	33.9	K0	M	14	2688	E -26 2164
78		8.5A	21 13.564	0.0015	17	-21 15 27.31	-0.065	12	0.28	13.541	16	33.9	26.27	16	33.9	K0	J	13A	1736	A -21 1155
79		9.3R	21 14.108	-0.0024	18	-22 18 30.66	0.013	18	0.33	14.146	16	33.9	30.86	16	33.9	A0	J	14	2685	E -22 2193
80		9.7R	21 16.833	-0.0022	20	-24 44 56.38	0.018	20	0.35	16.868	16	33.9	56.67	16	33.9	F5	M	14	2690	E -24 3047
81		9.4R	21 19.000	-0.0021	18	-22 4 22.97	-0.058	18	0.33	19.033	16	33.9	22.03	16	33.9	A2	J	14	2689	E -22 2194
82		8.9A	21 28.224	0.0005	18	-21 7 46.77	0.100	13	0.30	28.216	16	33.9	48.37	16	33.9	G5	J	13A	1738	A -21 1157
83		7.6R	21 31.438	-0.0020	18	-22 21 9.96	-0.012	18	0.33	31.469	16	33.9	9.76	16	33.9	A3	J	14	2691	E -22 2195
84		9.0R	21 31.720	0.0006	18	-27 46 25.47	0.001	18	0.33	31.711	16	33.9	25.50	16	33.9	F5	M	13B	2286	J -27 2236
85		9.1R	21 35.424	-0.0041	18	-29 33 38.73	-0.031	18	0.33	35.491	16	33.9	38.23	16	33.9	F8	M	13B	2287	J -29 2220
86		7.4A	21 43.718	0.0022	18	-20 46 22.34	0.033	13	0.30	43.683	16	33.9	22.88	16	33.9	K2	J	13A	1740	A -20 1077
87		8.5R	21 47.257	-0.0004	15	-26 51 20.70	-0.004	15	0.29	47.264	16	33.9	20.64	16	33.9	K7	M	14	2692	E -26 2191
88		9.0R	21 48.998	-0.0017	12	-29 22 7.39	0.002	12	0.25	49.025	16	33.9	7.43	16	33.9	G5	M	13B	2290	J -29 2222
89		9.3R	21 58.559	0.0004	18	-22 28 19.15	0.020	18	0.33	58.552	16	33.9	19.47	16	33.9	K0	J	14	2693	E -22 2198
90		9.0R	22 5.918	-0.0001	18	-25 49 46.08	0.006	18	0.33	5.919	16	33.9	46.17	16	33.9	F5	M	14	2694	E -25 2415
91		9.4R	22 7.966	0.0022	18	-25 54 39.17	-0.025	18	0.33	7.931	16	33.9	38.76	16	33.9	G5	M	14	2696	E -25 2416
92		8.8A	22 8.047	0.0001	18	-21 9 59.14	0.015	13	0.30	8.046	16	33.9	59.38	16	33.9	K0	J	13A	1744	A -21 1159
93		8.6R	22 9.426	-0.0007	17	-23 51 40.56	0.007	17	0.31	9.438	16	33.9	40.67	16	33.9	F5	J	14	2695	E -23 2700
94		9.0R	22 10.911	-0.0002	17	-24 24 44.77	0.017	17	0.31	10.914	16	33.9	45.03	16	33.9	A0	J	14	2697	E -24 3059
95		8.7R	22 13.112	-0.0026	12	-24 44 1.35	0.014	15	0.27	13.153	16	33.9	1.57	16	33.9	F2	J	14	2698	E -24 3060
96		9.1R	22 27.197	0.0014	17	-28 48 27.65	-0.009	12	0.28	27.174	16	33.9	27.51	16	33.9	A78	J	13B	2292	J -28 2148
97		9.2R	22 29.987	-0.0006	15	-23 6 27.61	0.001	15	0.29	29.997	16	33.9	27.63	16	33.9	G5	J	14	2700	E -23 2705
98		9.4R	22 30.812	-0.0007	13	-22 28 30.57	0.033	13	0.27	30.822	16	33.9	31.10	16	33.9	G0	J	14	2699	E -22 2204
99		8.8A	22 33.440	-0.0023	17	-20 21 51.32	0.017	13	0.29	33.477	16	33.9	51.60	16	33.9	K	J	13A	1747	A -20 1079
00		9.3R	22 35.978	0.0020	18	-27 7 33.60	-0.041	18	0.33	35.046	16	33.9	32.93	16	33.9	K0	M	13B	2294	J -27 2245

170400

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	EPOCH 1950 μ_s	EPOCH 1950 σ_μ ″.001	EPOCH 1950 δ_{1950} ° ′ ″	EPOCH 1950 μ' ″	EPOCH 1950 σ'_μ ″.001	EPOCH 1950 σ_{1950} ″	ORIGINAL EPOCH α_2 s	ORIGINAL EPOCH σ ″.01	ORIGINAL EPOCH ep.	ORIGINAL EPOCH δ_2 ″	ORIGINAL EPOCH σ' ″.01	ORIGINAL EPOCH ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	-20° 5H DM NUMBER
1		8.5R	5 22 37.816	-0.0003	18	-27 52 44.49	-0.007	18	0.33	37.820	16	33.9	44.37	16	33.9	K2 M	13B	2295	J -27 2246
2		9.1R	22 38.243	-0.0000	13	-22 25 14.47	0.031	13	0.27	38.243	16	33.9	14.96	16	33.9	F0 J	14	2701	E -22 2206
3		9.1R	22 39.392	0.0026	12	-29 19 57.66	0.030	12	0.25	39.351	16	33.9	58.15	16	33.9	K0 M	13B	2297	J -29 2229
4		8.8R	22 39.507	0.0001	17	-29 1 24.36	-0.015	17	0.31	39.505	16	33.9	24.13	16	33.9	G5 M	13B	2296	J -29 2228
5		9.4R	22 42.273	-0.0011	18	-24 40 8.38	-0.006	18	0.33	42.291	16	33.9	8.28	16	33.9	K0 M	14	2702	E -24 3065
6		9.2R	22 44.578	0.0019	21	-29 1 0.24	-0.046	21	0.37	44.548	16	33.9	-59.51	16	33.9	G0 M	13B	2298	J -29 2231
7		8.8A	22 45.640	0.0002	20	-20 41 7.34	-0.016	15	0.32	45.637	16	33.9	7.61	16	33.9	K0 J	13A	1749	A -20 1081
8		9.6R	22 49.246	0.0008	18	-24 10 6.23	-0.022	18	0.33	49.234	16	33.9	5.87	16	33.9	K0 M	14	2703	E -24 3067
9		8.3R	23 12.770	-0.0006	17	-23 12 50.63	0.009	17	0.31	12.780	16	33.9	50.78	16	33.9	A0 J	14	2705	E -23 2716
10		9.4R	23 14.747	0.0016	13	-22 33 21.07	0.004	13	0.27	14.721	16	33.9	21.14	16	33.9	K0 J	14	2706	E -22 2211
11		9.3R	23 24.479	-0.0007	15	-26 47 54.24	-0.007	15	0.29	24.490	16	33.9	54.14	16	33.9	A2 J	14	2708	E -26 2209
12		9.0R	23 26.395	0.0012	12	-24 42 52.26	0.021	12	0.25	26.376	16	33.9	52.60	16	33.9	K7 M	14	2707	E -24 3074
13		8.9A	23 32.035	-0.0030	17	-21 18 32.22	0.015	13	0.29	32.084	16	33.9	32.46	16	33.9	K0 J	13A	1754	A -21 1165
14		9.2R	23 36.141	-0.0034	17	-24 50 32.00	0.014	17	0.31	36.195	16	33.9	32.22	16	33.9	F5 J	14	2709	E -24 3078
15		8.8A	23 40.048	0.0001	18	-21 18 46.23	0.004	13	0.30	40.047	16	33.9	46.30	16	33.9	K0 J	13A	1755	A -21 1167
16		9.4R	23 42.097	0.0009	18	-27 54 16.56	-0.004	18	0.33	42.082	16	33.9	16.50	16	33.9	G5 M	13B	2306	J -27 2257
17		9.2R	23 50.768	0.0048	15	-29 9 47.03	0.051	15	0.29	50.691	16	33.9	47.86	16	33.9	G5 M	13B	2307	J -29 2240
18		9.4R	23 50.848	-0.0014	20	-23 0 51.03	-0.030	20	0.35	50.871	16	33.9	50.55	16	33.9	G0 M	14	2710	E -23 2732
19		8.4R	23 51.917	0.0012	18	-22 47 0.63	0.019	18	0.33	51.898	16	33.9	0.94	16	33.9	K0 J	14	2711	E -22 2217
20		9.1R	23 53.915	-0.0029	20	-22 57 3.13	-0.045	20	0.35	53.963	16	33.9	2.41	16	33.9	G0 J	14	2712	E -23 2733
21		9.1R	24 2.285	0.0003	20	-29 19 16.30	-0.014	20	0.35	2.280	16	33.9	16.08	16	33.9	G5 M	13B	2309	J -29 2246
22		8.7R	24 2.761	-0.0001	18	-26 11 1.07	0.014	18	0.33	2.763	16	33.9	1.29	16	33.9	K0 M	14	2713	E -26 2215
23		8.8R	24 14.650	0.0010	18	-25 9 41.88	-0.020	18	0.33	14.634	16	33.9	41.57	16	33.9	K0 J	14	2715	E -25 2436
24		7.7A	24 15.305	-0.0026	18	-20 45 27.19	0.006	13	0.30	15.346	16	33.9	27.29	16	33.9	A3 J	13A	1759K	A -20 1085
25		9.2R	24 25.737	0.0005	12	-22 33 11.66	0.027	12	0.25	25.730	16	33.9	12.10	16	33.9	K5 M	14	2717	E -22 2223
26		9.4R	24 28.978	0.0037	20	-23 30 22.37	0.067	20	0.35	28.919	16	33.9	23.44	16	33.9	G0 M	14	2718	E -23 2742
27		8.9R	24 30.063	-0.0013	12	-22 31 53.60	-0.002	12	0.25	30.085	16	33.9	53.57	16	33.9	F5 J	14	2719	E -22 2224
28		8.8R	24 35.576	-0.0026	18	-22 37 42.48	0.039	18	0.33	35.619	16	33.9	43.11	16	33.9	K0 J	14	2720	E -22 2229
29		8.2R	24 37.606	0.0019	13	-24 24 46.62	0.016	13	0.27	37.576	16	33.9	46.87	16	33.9	K0 J	14	2723	E -24 3087
30		9.3R	24 38.321	-0.0007	20	-22 20 40.64	0.058	20	0.35	38.332	16	33.9	41.57	16	33.9	G2 M	14	2722	E -22 2231
31		8.9R	24 40.091	-0.0014	18	-27 31 41.89	-0.001	18	0.33	40.113	16	33.9	41.88	16	33.9	K0 M	13B	2314	J -27 2264
32		8.8A	24 40.443	0.0016	18	-21 42 25.66	-0.003	13	0.30	40.417	16	33.9	25.60	16	33.9	K0 J	13A	1763	A -21 1169
33		9.2R	24 49.294	-0.0001	12	-23 59 5.31	-0.005	12	0.25	49.296	16	33.9	5.22	16	33.9	G5 J	14	2724	E -24 3091
34		8.6R	24 55.443	-0.0010	18	-23 22 24.72	-0.003	18	0.33	55.459	16	33.9	24.68	16	33.9	B9 J	14	2725	E -23 2746
35		9.2R	24 57.910	0.0007	20	-29 6 2.58	-0.017	20	0.35	57.899	16	33.9	2.31	16	33.9	A3 M	13B	2317	J -29 2256
36		8.5R	24 58.160	0.0017	18	-24 56 42.92	0.028	15	0.31	58.133	16	33.9	43.37	16	33.9	K0 J	14	2727	E -25 2443
37		9.6R	25 0.804	0.0014	18	-22 20 0.13	-0.014	18	0.33	0.782	16	33.9	-59.90	16	33.9	F0 M	14	2726	E -22 2234
38		9.4R	25 8.108	0.0007	15	-24 42 21.72	-0.023	15	0.29	8.097	16	33.9	21.35	16	33.9	G0 J	14	2728	E -24 3099
39		9.3R	25 20.920	-0.0051	20	-22 56 35.38	0.018	20	0.35	21.002	16	33.9	35.68	16	33.9	A5 J	14	2729	E -23 2754
40		7.1T	25 24.126	0.0003	05	-26 37 31.04	-0.038	05	0.26	24.112	10	04.5	29.23	10	01.8	A2	GC	6742	C -26 2225
41		8.5R	25 24.696	-0.0021	17	-27 56 54.65	0.015	17	0.31	24.730	16	33.9	54.89	16	33.9	K2 M	13B	2320	J -28 2182
42		9.0R	25 25.136	-0.0015	18	-25 22 56.06	0.010	18	0.33	25.160	16	33.9	56.23	16	33.9	K0 J	14	2731	E -25 2445
43		8.5R	25 26.737	0.0002	18	-25 10 13.57	0.033	18	0.33	26.734	16	33.9	14.18	16	33.9	K0 J	14	2733	E -25 2446
44		8.4A	25 27.944	-0.0031	18	-20 57 21.84	-0.055	15	0.31	27.994	16	33.9	20.96	16	33.9	F0 J	13A	1767	A -21 1173
45		6.1T	25 28.574	0.0005	10	-21 24 59.85	0.036	09	0.39	28.555	09	09.3	+ 1.29	09	10.4	K0	GC	6747	-21 1174
46		8.3R	25 31.084	0.0027	18	-27 0 47.25	-0.035	18	0.33	31.041	16	33.9	46.69	16	33.9	K2 M	13B	2322	J -27 2270
47		8.3R	25 31.251	-0.0031	20	-27 18 34.57	-0.019	20	0.35	31.302	16	33.9	34.26	16	33.9	F5 J	13B	2323	J -27 2271
48		9.3R	25 34.517	-0.0015	20	-28 5 10.16	0.008	20	0.35	34.542	16	33.9	10.30	16	33.9	F8 M	13B	2324	J -28 2184
49		9.1R	25 35.710	0.0046	17	-22 26 33.09	-0.008	17	0.31	35.635	16	33.9	32.96	16	33.9	B9 J	14	2734	E -22 2244
50		7.4T	25 42.699	0.0007	13	-25 40 37.79	0.008	12	0.68	42.664	18	99.0	38.20	18	96.1	A2	GC	6751	C -25 2452
51		9.1R	5 25 45.852	-0.0020	18	-23 8 9.00	-0.002	18	0.33	45.884	16	33.9	8.97	16	33.9	K2 J	14	2736	E -23 2760
52		8.4R	25 55.695	0.0017	20	-29 36 51.27	0.041	20	0.35	55.668	16	33.9	51.93	16	33.9	F2 J	13B	2330	J -29 2265
53		9.2R	25 56.216	-0.0017	20	-27 45 46.57	0.052	20	0.35	56.243	16	33.9	47.42	16	33.9	G5 M	13B	2329	J -27 2279
54		8.5R	26 1.340	0.0002	18	-26 12 47.51	0.013	18	0.33	1.337	16	33.9	47.71	16	33.9	F0 J	14	2739	E -26 2231
55		9.1R	26 1.404	-0.0015	18	-24 7 55.53	-0.000	18	0.33	1.429	16	33.9	55.52	16	33.9	K2 M	14	2738	E -24 3110
56		8.7A	26 1.525	-0.0014	17	-20 26 12.02	0.026	13	0.29	1.548	16	33.9	12.44	16	33.9	K5 J	13A	1773	A -20 1095
57		3.0H	26 6.090	-0.0006	01	-20 47 52.90	-0.091	01	0.06	6.113	03	12.0	49.52	03	12.9	G0	F4	204	-20 1096
58		8.9R	26 12.451	0.0016	20	-28 53 50.19	0.016	20	0.35	12.425	16	33.9	50.45	16	33.9	K0 M	13B	2333	J -28 2196
59		8.4R	26 12.710	0.0003	18	-26 46 39.74	0.010	15	0.31	12.706	16	33.9	39.91	16	33.9	K0 J	14	2741	E -26 2232
60		8.6A	26 13.058	0.0006	18	-21 10 37.74	-0.082	12	0.29	13.049	16	33.9	36.42	16	33.9	F0 J	13A	1777	A -21 1176
61		6.8T	26 15.074	-0.0108	22	-22 28 32.88	0.126	22	1.09	15.589	18	02.3	38.92	18	01.9	G0	GC	6765	B*-22 1122
62		9.1R	26 18.834	-0.0011	18	-27 16 52.97	0.018	18	0.33	18.852	16	33.9	53.27	16	33.9	G5 M	13B	2335	J -27 2282
63		9.0A	26 23.017	-0.0017	20	-21 43 56.05	-0.001	15	0.32	23.043	16	33.9	56.03	16	33.9	G0 J	13A	1779	A -21 1177
64		9.6R	26 23.982	0.0004	18	-22 54 42.07	-0.053	18	0.33	23.976	16	33.9	41.22	16	33.9	A5 J	14	2742	E -22 2252
65		9.0R	26 25.416	0.0023	20	-28 33 29.32	0.018	20	0.35	25.378	16	33.9	29.62	16	33.9	K2 M	13B	2338	J -28 2200
66		8.8R	26 28.246	0.0004	20	-29 24 0.22	-0.025	20	0.35	28.240	16	33.9	-59.83	16	33.9	K0 M	13B	2339	J -29 2270
67		8.7R	26 31.874	-0.0036	18	-26 32 47.85	-0.008	18	0.33	31.932	16	33.9	47.73	16	33.9	K0 J	14	2743	E -26 2236
68		8.6R	26 34.050	-0.0037	20	-29 23 21.02	0.029	20	0.35	34.110	16	33.9	21.49	16	33.9	G5 J	13B	2341	J -29 2272
69		8.0R	26 43.703	0.0001	17	-24 17 59.41	-0.031	17	0.31	43.702	16	33.9	58.90	16	33.9	A2 J	14	2744	E -24 3119
70		9.0R	26 51.560	0.0002	20	-27 9 3.84	0.016	20	0.35	51.558	16	33.9	4.10	16	33.9	A5 M	13B	2344	J -27 2290
71		9.3R	26 54.235	-0.0023	17	-22 39 23.88	0.004	17	0.31	54.272	16	33.9	23.95	16	33.9	F8 J	14	2745	E -22 2255
72		8.9R	26 55.999	0.0011	18	-27 50 8.97	-0.024	18	0.33	55.981	16	33.9	8.58	16	33.9	G5 M	13B	2345	J -27 2292
73		8.7R	27 0.866	-0.0027	13	-24 27 56.54	-0.004	13	0.27	0.910	16	33.9	56.47	16	33.9	K0 J	14	2746	E -24 3125
74		9.0R	27 4.109	-0.0008	18	-26 23 46.48	0.010	18	0.33	4.122	16	33.9	46.63	16	33.9	G5 J	14	2747	E -26 2241
75		9.3R	27 8.362	-0.0017	18	-29 34 3.36	-0.056	18	0.33	8.389	16	33.9	2.46	16	33.9	A7 M	13B	2347	J -29 2282
76		8.8R	27 11.449	-0.0019	12	-22 1 6.53	-0.016	12	0.25	11.479	16	33.9	6.27	16	33.9	K2 J	14	2748	E -22 2258
77		8.4R	27 14.612	0.0010	15	-25 19 42.91	-0.014	15	0.29	14.595	16	33.9	42.69	16	33.9	K0 J	14	2749	E -25 2470
78		9.6R	27 17.171	0.0002	15	-23 39 17.83	0.040	15	0.29	17.168	16	33.9	18.47	16	33.9	G0 J	14	2750	E -23 2782
79		9.3R	27 18.606	0.0020	12	-24 48 43.60	-0.043	12	0.25	18.574	16	33.9	42.91	16	33.9	K0 M	14	2751	E -24 3129
80		7.9A	27 22.730	0.0017	18	-21 4 41.28	0.032	13	0.30	22.703	16	33.9	41.81	16	33.9	A2 J	13A	1783	A -21 1179
81		9.4R	27 26.685	0.0046	20	-24 22 32.88	-0.052	20	0.35	26.612	16	33.9	32.04	16	33.9	K0 M	14	2752	E -24 3133
82		7.7T	27 33.741	0.0001	17	-22 45 25.10	-0.022	16	0.83	33.734	18	01.0	24.00	18	99.9	G5	GC	6804	-22 1129
83		9.0R	27 38.447	-0.0018	18	-24 6 14.18	0.013	18	0.33	38.476	16	33.9	14.38	16	33.9	K5 J	14	2754	E -24 3138
84		9.3R	27 38.692	-0.0006	18	-27 38 47.66	-0.022	18	0.33	38.701	16	33.9	47.31	16	33.9	F8 M	13B	2350	J -27 2296
85		8.7R	27 47.507	0.0007	18	-27 6 23.83	-0.009	18	0.33	47.496	16	33.9	23.69	16	33.9	K0 M	13B	2351	J -27 2298
86		9.0R	27 49.299	-0.0014	15	-22 13 55.35	0.009	15	0.29	49.321	16	33.9	55.49	16	33.9	G5 J	14	2755	E -22 2267
87		8.6R	27 54.836	0.0011	18	-26 19 44.82	-0.032	18	0.33	54.819	16	33.9	44.30	16	33.9	G5 J	14	2756	E -26 2253
88		8.8R	27 56.290	0.0017	18	-26 12 55.49	-0.018	15	0.31	56.262	16	33.9	55.20	16	33.9	K0 J	14	2757	E -26 2254
89		9.2R	28 13.328	-0.0004	13	-23 33 38.50	0.002	13	0.27	13.335	16	33.9	38.52	16	33.9	A5 J	14	2758	E -23 2800
90		8.1R	28 14.759	-0.0005	12	-28 28 24.29	0.019	12	0.25	14.767	16	33.9	24.61	16	33.9	K5 J	13B	2355	J -28 2219
91		8.5R	28 17.929	0.0005	12	-28 6 57.55	-0.018	12	0.25	17.921	16	33.9	57.27	16	33.9	K5 M	13B	2356	J -28 2220
92		9.6R	28 20.365	0.0006	18	-22 41 38.39	-0.005	18	0.33	20.356	16	33.9	38.32	16	33.9	F8 J	14	2759	E -22 2271
93		9.5R	28 25.172	0.0020	17	-24 21 44.92	0.021	17	0.31	25.140	16	33.9	45.25	16	33.9	G5 M	14	2761	E -24 3146
94		8.7R	28 26.118	-0.0017	18	-22 50 56.15	0.005	18	0.33	26.146	16	33.9	56.23	16	33.9	K2 J	14	2760	E -22 2272
95		8.4R	28 35.420	-0.0028	12	-28 49 1.72	-0.067	12	0.25	35.466	16	33.9	0.65	16	33.9	K0 J	13B	2357	J -28 2225
96		9.1R	28 35.609	-0.0024	18	-23 5 52.01	0.006	18	0.33	35.647	16	33.9	52.11	16	33.9	G0 J	14	2763	E -23 2804
97		7.7A	28 40.999	0.0009	18	-21 26 40.53	-0.002	13	0.30	40.985	16	33.9	40.51	16	33.9	K2 J	13A	1790	A -21 1181
98		9.0R	28 43.662	0.0013	18	-23 43 47.88	-0.035	18	0.33	43.641	16	33.9	47.31	16	33.9	A2 J	14	2764	E -23 2806
99		9.2R	28 47.556	0.0005	15	-23 33 25.45	0.026	15	0.29	47.549	16	33.9	25.86	16	33.9	B9 J	14	2765	E -23 2808
00		8.6A	28 48.472	0.0012	18	-21 36 53.11	-0.020	13	0.30	48.452	16	33.9	52.78	16	33.9	K2 J	13A	1791	A -21 1183

170500

EPOCH 1950 — ORIGINAL EPOCH — SOURCE — -20° 5H

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	CAT.	STAR NUMBER	DM NUMBER
1		8.9R	5 28 48.768	-0.0019	15	-25 0 18.18	-0.001	15	0.29	48.798	16	33.9	18.17	16	33.9	G5 J	14	2766	E -25 2487
2		9.4R	28 49.803	-0.0004	18	-27 10 5.19	0.026	18	0.33	49.809	16	33.9	5.62	16	33.9	A0 M	13B	2359	J -27 2312
3		8.7A	28 51.459	0.0022	17	-21 9 50.54	-0.069	12	0.28	51.424	16	33.9	49.44	16	33.9	G0 J	13A	1792	A -21 1184
4		8.8R	28 52.276	-0.0010	13	-24 18 8.69	0.014	13	0.27	52.282	16	33.9	8.91	16	33.9	F5 J	14	2767	E -24 3156
5		9.0R	28 53.290	0.0023	18	-26 12 43.46	-0.006	18	0.33	53.253	16	33.9	43.36	16	33.9	K0 J	14	2768	E -26 2265
6		5.5T	28 59.116	-0.0000	03	-20 53 57.85	-0.045	04	0.22	59.118	10	98.5	55.66	12	00.8	A0	GC	6837	B*-20 1105
7		8.5A	29 0.411	-0.0017	15	-21 23 12.61	0.010	11	0.26	0.384	16	33.9	12.77	16	33.9	K0 J	13A	1794	A -21 1185
8		8.0R	29 3.471	-0.0063	20	-28 34 0.77	0.130	20	0.35	3.572	16	33.9	2.87	16	33.9	G5 J	13B	2361	J -28 2230
9		9.5R	29 5.838	-0.0010	17	-22 15 46.56	-0.043	17	0.31	5.854	16	33.9	45.86	16	33.9	F5 M	14	2769	E -22 2276
10		8.9R	29 27.023	-0.0006	18	-23 27 43.51	-0.021	18	0.33	27.032	16	33.9	43.18	16	33.9	K0 J	14	2771	E -23 2816
11		9.3R	29 27.215	0.0015	15	-22 19 32.52	-0.053	15	0.29	27.190	16	33.9	31.66	16	33.9	G0 M	14	2770	E -22 2280
12		9.3R	29 33.745	0.0021	18	-22 54 46.36	0.044	18	0.33	33.711	16	33.9	47.07	16	33.9	K M	14	2772	E -22 2284
13		8.9R	29 34.220	-0.0017	20	-25 45 25.33	-0.020	15	0.32	34.247	16	33.9	25.00	16	33.9	F5 J	14	2774	E -25 2493
14		8.1R	29 34.960	0.0023	18	-24 50 2.65	-0.014	18	0.33	34.923	16	33.9	2.42	16	33.9	A0 J	14	2773	E -24 3166
15		8.1R	29 37.400	-0.0001	17	-29 41 31.92	0.002	17	0.31	37.402	16	33.9	31.95	16	33.9	F5 J	13B	2365	J -29 2316
16		8.7A	29 40.624	-0.0017	18	-20 59 27.23	-0.013	13	0.30	40.652	16	33.9	27.03	16	33.9	K0 J	13A	1798	A -21 1188
17		8.1R	29 42.015	0.0003	20	-28 8 26.37	-0.004	20	0.35	42.010	16	33.9	26.31	16	33.9	K0 J	13B	2366	J -28 2234
18		8.5R	29 46.053	-0.0008	18	-23 58 15.46	0.016	18	0.33	46.067	16	33.9	15.71	16	33.9	A0 J	14	2776	E -24 3170
19		9.2R	29 47.319	-0.0000	18	-22 58 30.69	0.011	18	0.33	47.320	16	33.9	30.87	16	33.9	F2 J	14	2775	E -23 2820
20		8.6R	29 53.291	-0.0005	18	-27 13 55.43	0.023	18	0.33	53.299	16	33.9	55.81	16	33.9	K2 M	13B	2369	J -27 2326
21		8.5R	29 57.984	0.0004	15	-22 15 41.97	-0.037	15	0.29	57.978	16	33.9	41.37	16	33.9	G5 J	14	2777	E -22 2289
22		9.6R	29 58.881	-0.0003	15	-24 19 43.43	-0.033	15	0.29	58.887	16	33.9	42.89	16	33.9	K0 M	14	2778	E -24 3175
23		8.1R	30 0.163	-0.0027	15	-23 27 53.26	0.006	15	0.29	0.207	16	33.9	53.37	16	33.9	A0 J	14	2779	E -23 2824
24		9.1R	30 4.876	0.0004	18	-27 1 25.01	0.003	18	0.33	4.869	16	33.9	25.06	16	33.9	G5 M	13B	2370	J -27 2330
25		9.5R	30 4.891	0.0041	17	-22 35 31.50	-0.032	17	0.31	4.826	16	33.9	30.99	16	33.9	G M	14	2780	E -22 2291
26		8.7A	30 9.777	0.0002	18	-20 14 21.24	-0.014	13	0.30	9.775	16	33.9	21.02	16	33.9	K0 J	13A	1801	A -20 1108
27		8.5R	30 14.803	-0.0018	20	-27 41 32.08	-0.006	20	0.35	14.832	16	33.9	31.99	16	33.9	F5 J	13B	2372	J -27 2331
28		8.6A	30 18.193	-0.0011	18	-21 20 5.11	-0.010	13	0.30	18.211	16	33.9	4.94	16	33.9	K0 J	13A	1802	A -21 1191
29		9.0R	30 27.454	-0.0040	20	-27 19 20.95	0.005	20	0.35	27.518	16	33.9	21.04	16	33.9	A3 J	13B	2373	J -27 2335
30		9.5R	30 32.736	-0.0010	20	-22 16 23.18	0.002	20	0.35	32.753	16	33.9	23.21	16	33.9	F5 J	14	2784	E -22 2300
31		8.9R	30 32.901	-0.0004	20	-26 56 58.39	0.036	20	0.35	32.908	16	33.9	58.97	16	33.9	K0 M	14	2785	E -27 2336
32		8.4R	30 37.954	0.0006	18	-24 47 44.72	-0.003	18	0.33	37.944	16	33.9	44.67	16	33.9	A2 J	14	2786	E -24 3187
33		8.8R	30 44.403	0.0014	20	-26 20 27.13	0.015	20	0.35	44.380	16	33.9	27.38	16	33.9	F8 M	14	2788	E -26 2284
34		8.9A	30 47.693	-0.0015	18	-21 47 11.14	-0.016	13	0.30	47.717	16	33.9	10.88	16	33.9	K0 J	13A	1806	A -21 1195
35		9.2R	30 48.113	-0.0006	15	-23 26 46.30	-0.004	15	0.29	48.123	16	33.9	46.24	16	33.9	G0 J	14	2787	E -23 2840
36		8.9A	30 48.432	-0.0029	20	-21 14 1.83	-0.016	15	0.32	48.480	16	33.9	1.57	16	33.9	G0 J	13A	1807	A -21 1192
37		9.1R	30 49.150	0.0007	20	-28 32 41.91	-0.017	20	0.35	49.140	16	33.9	41.63	16	33.9	G5 M	13B	2375	J -28 2247
38		8.6A	30 49.481	-0.0014	18	-21 3 8.57	-0.013	15	0.31	49.502	16	33.9	8.35	16	33.9	F0 J	13A	1808	A -21 1193
39		8.3R	30 50.869	-0.0029	15	-26 17 51.83	-0.058	15	0.29	50.916	16	33.9	50.90	16	33.9	K2 J	14	2789	E -26 2295
40		8.8R	30 55.894	0.0020	12	-24 17 19.18	-0.047	12	0.25	55.862	16	33.9	18.42	16	33.9	K6 J	14	2790K	E -24 3191
41		8.6A	30 57.247	-0.0013	18	-20 27 17.67	-0.026	13	0.30	57.268	16	33.9	17.26	16	33.9	K0 J	13A	1809	A -20 1110
42		7.1R	30 59.372	-0.0030	18	-25 24 3.16	0.038	18	0.33	59.421	16	33.9	3.77	16	33.9	M0 M	14	2791	E -25 2507
43		9.0R	31 2.554	0.0024	20	-28 12 15.59	0.023	20	0.35	2.516	16	33.9	15.96	16	33.9	A0 M	13B	2376	J -28 2249
44		8.6R	31 4.182	0.0006	18	-26 45 37.97	0.142	18	0.33	4.172	16	33.9	40.26	16	33.9	K5 M	14	2793	E -26 2288
45		8.9R	31 6.899	-0.0017	18	-26 35 41.04	-0.067	18	0.33	6.926	16	33.9	39.97	16	33.9	F2 J	14	2794	E -26 2289
46		9.3R	31 8.437	-0.0002	18	-21 57 48.39	0.010	15	0.31	8.441	16	33.9	48.55	16	33.9	A0 J	14	2792	E -22 2305
47		9.4R	31 11.992	0.0008	15	-24 45 46.46	0.031	15	0.29	11.980	16	33.9	46.96	16	33.9	K2 J	14	2795	E -24 3193
48		8.9R	31 18.031	0.0012	18	-26 47 2.20	0.011	18	0.33	18.011	16	33.9	2.38	16	33.9	K0 M	14	2796	E -26 2291
49		7.8R	31 26.595	0.0013	15	-24 22 7.95	-0.170	15	0.29	26.573	16	33.9	5.21	16	33.9	F8 J	14	2797	E -24 3196
50		8.9R	31 28.468	0.0000	17	-29 40 34.55	-0.031	17	0.31	28.468	16	33.9	34.04	16	33.9	K0 M	13B	2379	J -29 2342
51		8.5R	5 31 31.351	-0.0004	20	-29 28 16.62	-0.022	20	0.35	31.358	16	33.9	16.26	16	33.9	K0 M	13B	2381	J -29 2343
52		8.9R	31 37.180	-0.0077	12	-22 50 16.51	-0.023	12	0.25	37.303	16	33.9	16.14	16	33.9	G0 J	14	2798	E -22 2310
53		9.3R	31 37.655	0.0006	18	-27 51 7.87	-0.066	18	0.33	37.645	16	33.9	6.81	16	33.9	A3 M	13B	2383	J -27 2350
54		8.7R	31 45.178	-0.0026	12	-28 45 35.84	-0.026	12	0.25	45.220	16	33.9	35.42	16	33.9	K0 M	13B	2384	J -28 2258
55		8.3A	31 46.124	0.0022	18	-21 12 17.85	-0.021	13	0.30	46.088	16	33.9	17.50	16	33.9	K0 J	13A	1819	A -21 1199
56		8.7A	31 46.649	-0.0001	18	-20 40 34.01	-0.019	13	0.30	46.650	16	33.9	33.69	16	33.9	F5 J	13A	1818	A -20 1119
57		9.1R	31 47.856	-0.0002	20	-22 46 5.48	0.014	20	0.35	47.859	16	33.9	5.71	16	33.9	F0 J	14	2800	E -22 2314
58		9.0R	31 48.517	-0.0003	15	-25 20 36.84	0.018	15	0.29	48.522	16	33.9	37.12	16	33.9	G5 J	14	2801	E -25 2516
59		9.0R	31 52.025	-0.0002	15	-29 2 2.68	-0.004	15	0.29	52.028	16	33.9	2.61	16	33.9	K0 M	13B	2385	J -29 2346
60		7.8T	31 54.960	0.0009	16	-29 58 24.68	0.029	13	0.76	54.914	21	00.9	26.19	19	97.4	A2	GC	6898	C*-30 2483
61		6.3T	31 56.393	0.0007	10	-29 52 54.96	0.021	09	0.55	56.354	15	95.9	56.16	17	91.9	A0	GC	6901	C*-29 2348
62		7.9R	31 57.934	0.0001	18	-28 10 54.84	-0.033	18	0.33	57.932	16	33.9	54.31	16	33.9	K5 J	13B	2387	J -28 2261
63		9.0R	32 2.044	0.0030	17	-28 4 2.47	-0.005	17	0.31	1.996	16	33.9	2.39	16	33.9	K0 M	13B	2390	J -28 2262
64		9.1R	32 2.207	0.0015	17	-28 40 7.79	0.024	17	0.31	2.183	16	33.9	8.17	16	33.9	F5 M	13B	2391	J -28 2263
65		9.0R	32 3.066	0.0008	20	-29 44 56.88	-0.030	20	0.35	3.052	16	33.9	56.39	16	33.9	A3 M	13B	2392	J -29 2349
66		9.1R	32 4.190	-0.0025	18	-22 10 9.02	-0.001	18	0.33	4.230	16	33.9	9.00	16	33.9	F8 J	14	2802	E -22 2317
67		9.0R	32 8.984	0.0031	18	-27 7 58.51	0.083	18	0.33	8.934	16	33.9	59.85	16	33.9	K0 M	13B	2393	J -27 2354
68		9.6R	32 10.339	0.0012	18	-25 37 20.19	-0.150	18	0.33	10.320	16	33.9	17.78	16	33.9	K2 M	14	2803	E -25 2519
69		9.4R	32 13.197	0.0007	13	-24 22 17.02	0.006	13	0.27	13.185	16	33.9	17.09	16	33.9	A0 J	14	2804	E -24 3207
70		8.5R	32 25.787	-0.0023	15	-23 33 33.98	-0.043	15	0.29	25.824	16	33.9	33.28	16	33.9	G0 J	14	2805	E -23 2861
71		8.7R	32 29.831	0.0012	18	-25 34 45.74	-0.011	18	0.33	29.812	16	33.9	45.57	16	33.9	K0 J	14	2806	E -25 2526
72		8.7R	32 33.933	0.0009	15	-28 22 18.32	0.008	15	0.29	33.918	16	33.9	18.45	16	33.9	K0 M	13B	2397	J -28 2274
73		9.3R	32 39.227	0.0013	12	-22 39 7.13	-0.029	12	0.25	39.206	16	33.9	6.67	16	33.9	K0 J	14	2807	E -22 2323
74		8.6R	32 42.585	0.0260	18	-23 29 41.88	-0.453	18	0.33	42.166	16	33.9	34.59	16	33.9	K0 J	14	2808	E -23 2865
75		9.5R	32 47.499	0.0039	15	-22 43 27.41	-0.030	15	0.29	47.436	16	33.9	26.94	16	33.9	F5 J	14	2810	E -22 2325
76		7.5A	32 49.507	-0.0011	17	-21 5 58.14	-0.007	12	0.28	49.526	16	33.9	58.02	16	33.9	K0 J	13A	1824	A -21 1205
77		9.4R	33 5.730	-0.0005	18	-27 33 4.21	0.027	18	0.33	5.738	16	33.9	4.65	16	33.9	B9 M	13B	2400	J -27 2365
78		8.6R	33 24.590	0.0004	18	-27 12 0.33	-0.023	18	0.33	24.583	16	33.9	-59.96	16	33.9	K0 M	13B	2403	J -27 2369
79		9.6R	33 32.502	0.0029	12	-24 6 33.68	-0.017	12	0.25	32.456	16	33.9	33.40	16	33.9	F5 M	14	2811	E -24 3225
80		9.6R	33 32.948	0.0011	18	-24 10 44.97	-0.019	18	0.33	32.930	16	33.9	44.66	16	33.9	K M	14	2812	E -24 3226
81		8.1R	33 41.997	0.0012	15	-27 38 55.43	-0.256	15	0.29	41.977	16	33.9	51.31	16	33.9	G5 J	13B	2405	J -27 2373
82		7.4R	33 45.966	-0.0021	15	-25 46 9.13	0.024	15	0.29	46.000	16	33.9	9.52	16	33.9	N0 M	14	2814	E -25 2539
83		9.1R	33 49.762	-0.0041	12	-29 7 10.51	0.043	12	0.25	49.829	16	33.9	11.20	16	33.9	K0 M	13B	2406	J -29 2366
84		9.3R	33 52.343	0.0015	18	-26 22 48.83	-0.014	18	0.33	52.319	16	33.9	48.61	16	33.9	A0 M	14	2816	E -26 2322
85		8.3R	33 53.346	0.0019	12	-24 1 35.76	0.025	12	0.25	53.315	16	33.9	36.16	16	33.9	K0 J	14	2815	E -24 3232
86		9.4R	34 7.309	0.0021	18	-27 50 28.58	0.000	15	0.31	7.276	16	33.9	28.58	16	33.9	K5 M	13B	2412	J -27 2380
87		6.1T	34 12.851	0.0014	06	-28 44 16.80	-0.000	05	0.26	12.790	09	06.6	16.80	10	03.4	A0	GC	6974	C -28 2298
88		9.1R	34 12.849	0.0006	13	-24 39 24.99	-0.007	13	0.27	12.840	16	33.9	24.88	16	33.9	K0 J	14	2817	E -24 3236
89		9.6R	34 16.319	-0.0004	17	-22 26 47.57	-0.017	17	0.31	16.325	16	33.9	47.29	16	33.9	G0 M	14	2818	E -22 2343
90		9.3A	34 17.742	-0.0002	15	-21 23 59.43	-0.027	11	0.26	17.745	16	33.9	58.99	16	33.9	G0 J	13A	1830	A -21 1209
91		9.1A	34 28.447	0.0010	18	-21 37 15.81	0.021	13	0.30	28.431	16	33.9	16.15	16	33.9	G0 J	13A	1831	A -21 1211
92		9.2R	34 33.295	0.0011	15	-25 10 32.55	-0.033	15	0.29	33.277	16	33.9	32.02	16	33.9	K5 J	14	2819	E -25 2544
93		8.2R	34 34.002	0.0011	18	-25 51 40.92	-0.076	18	0.33	33.984	16	33.9	39.70	16	33.9	K0 J	14	2820	E -25 2545
94		8.2R	34 40.939	0.0012	13	-24 43 58.28	0.048	13	0.27	40.921	16	33.9	59.06	16	33.9	B9 J	14	2821	E -24 3245
95		8.9R	34 42.288	0.0007	13	-24 3 38.42	-0.011	13	0.27	42.277	16	33.9	38.24	16	33.9	A2 J	14	2822	E -24 3244
96		9.4R	34 47.043	0.0015	18	-25 40 50.11	-0.029	18	0.33	47.019	16	33.9	49.65	16	33.9	F5 M	14	2823	E -25 2548
97		8.7R	34 54.280	-0.0003	18	-23 52 5.35	0.024	18	0.33	54.284	16	33.9	5.73	16	33.9	F0 J	14	2824	E -23 2958
98		9.1R	34 58.047	-0.0009	17	-22 54 26.35	-0.034	17	0.31	58.060	16	33.9	25.80	16	33.9	F5 J	14	2825	E -22 2346
99		8.5R	35 3.697	-0.0003	18	-22 51 51.31	-0.013	18	0.33	3.702	16	33.9	51.10	16	33.9	G5 J	14	2826	E -22 2347
00		8.1R	35 10.026	0.0000	18	-24 25 51.44	-0.004	18	0.33	10.026	16	33.9	51.37	16	33.9	F2 J	14	2828	E -24 3251

170600

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	EPOCH 1950 μ_s s	EPOCH 1950 σ_μ ″.001	EPOCH 1950 δ_{1950} ° ′ ″	EPOCH 1950 μ' ″	EPOCH 1950 σ'_μ ″.001	EPOCH 1950 σ_{1950} ″	ORIGINAL EPOCH α_2 s	ORIGINAL EPOCH σ ″.01	ORIGINAL EPOCH ep.	ORIGINAL EPOCH δ_2 ″	ORIGINAL EPOCH σ' ″.01	ORIGINAL EPOCH ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	-20° 5H DM NUMBER
1		6.0T	5 35 17.910	0.0007	05	-27 53 57.55	-0.061	05	0.25	17.881	15	06.8	54.70	12	03.1	A5	GC	6999	C -27 2389
2		9.3R	35 20.433	0.0006	18	-25 53 53.85	0.013	18	0.33	20.424	16	33.9	54.06	16	33.9	F5 M	14	2829	E -25 2555
3		8.8R	35 26.295	-0.0016	18	-22 46 40.16	-0.002	18	0.33	26.320	16	33.9	40.13	16	33.9	K0 J	14	2830	E -22 2349
4		8.5R	35 33.927	0.0009	18	-27 36 47.90	-0.022	18	0.33	33.912	16	33.9	47.55	16	33.9	F5 J	13B	2421	J -27 2391
5		9.0R	35 33.995	-0.0010	17	-22 22 13.85	-0.001	17	0.31	34.012	16	33.9	13.83	16	33.9	K0 J	14	2831	E -22 2351
6		8.1R	35 39.566	-0.0039	12	-24 9 50.75	-0.055	12	0.25	39.628	16	33.9	49.86	16	33.9	K0 M	14	2833	E -24 3259
7		8.9A	35 40.806	0.0010	17	-21 39 2.13	-0.026	12	0.28	40.789	16	33.9	1.71	16	33.9	F8 J	13A	1837	A -21 1213
8		9.6R	35 41.080	0.0007	18	-22 1 56.77	-0.010	18	0.33	41.069	16	33.9	56.61	16	33.9	K0 M	14	2832	E -22 2352
9		7.5T	35 41.288	-0.0012	15	-26 44 49.42	0.003	12	0.72	41.350	18	00.4	49.58	18	97.6	F0	GC	7009	C -26 2343
10		7.2T	35 41.984	-0.0000	09	-28 39 16.12	-0.001	07	0.48	41.984	15	95.0	16.05	15	91.5	F5	GC	7011	C -28 2317
11		8.7R	35 46.309	0.0001	20	-28 2 22.04	-0.014	15	0.32	46.307	16	33.9	21.82	16	33.9	F2 J	13B	2426	J -28 2319
12		9.5R	35 47.359	0.0004	18	-23 19 20.97	-0.025	18	0.33	47.353	16	33.9	20.57	16	33.9	G0 M	14	2835	E -23 2928
13		5.3T	35 47.423	-0.0030	07	-28 43 6.11	0.051	05	0.28	47.544	12	09.6	8.51	12	02.8	F2	GC	7013	C -28 2321
14		7.1R	35 53.727	0.0020	15	-28 57 56.75	-0.044	15	0.29	53.696	16	33.9	56.04	16	33.9	K0 J	13B	2428	J -29 2383
15		9.4R	36 1.163	0.0013	18	-24 57 53.42	0.041	18	0.33	1.142	16	33.9	54.08	16	33.9	G0 J	14	2837	E -25 2564
16		8.9A	36 5.117	0.0001	15	-21 19 58.13	-0.014	11	0.26	5.116	16	33.9	57.90	16	33.9	K0 J	13A	1839	A -21 1214
17		8.4A	36 7.086	0.0010	17	-20 39 8.98	-0.030	13	0.29	7.070	16	33.9	8.49	16	33.9	K0 J	13A	1840	A -20 1138
18		6.7H	36 7.398	0.0001	03	-27 14 18.88	-0.007	03	0.10	7.396	05	26.7	18.68	05	23.1	K2	F4	1153	C -27 2395
19		8.6A	36 8.211	-0.0026	17	-20 12 12.39	-0.003	13	0.29	8.253	16	33.9	12.35	16	33.9	F0 J	13A	1841	A -20 1139
20		9.6R	36 10.077	0.0043	20	-22 45 5.11	0.045	20	0.35	10.008	16	33.9	5.84	16	33.9	G M	14	2838	E -22 2359
21		9.2R	36 14.975	0.0006	13	-24 45 12.79	0.015	13	0.27	14.966	16	33.9	13.03	16	33.9	G5 M	14	2839	E -24 3265
22		8.8A	36 15.544	0.0018	18	-21 16 30.56	-0.014	13	0.30	15.515	16	33.9	30.33	16	33.9	K2 J	13A	1842	A -21 1216
23		9.2R	36 26.617	0.0010	13	-24 6 52.73	0.039	13	0.27	26.601	16	33.9	53.35	16	33.9	A2 J	14	2841	E -24 3268
24		9.4R	36 28.087	0.0012	20	-24 56 48.00	-0.031	20	0.35	28.067	16	33.9	47.51	16	33.9	G5 M	14	2844	E -24 3270
25		9.3R	36 28.333	0.0009	15	-26 36 56.49	-0.006	15	0.29	28.318	16	33.9	56.40	16	33.9	K2 M	14	2845	E -26 2353
26		9.5R	36 29.804	0.0007	17	-22 56 24.08	-0.027	17	0.31	29.793	16	33.9	23.65	16	33.9	F5 J	14	2842	E -22 2363
27		9.5R	36 31.278	0.0006	15	-22 20 24.40	-0.021	15	0.29	31.268	16	33.9	24.06	16	33.9	F8 M	14	2843	E -22 2362
28		8.9R	36 33.429	-0.0037	20	-28 31 22.89	-0.014	20	0.35	33.488	16	33.9	22.66	16	33.9	A0 M	13B	2433	J -28 2327
29		9.2R	36 34.493	-0.0014	12	-23 49 58.56	-0.006	12	0.25	34.515	16	33.9	58.46	16	33.9	K5 M	14	2846	E -23 2938
30		8.4A	36 34.561	0.0000	17	-20 8 30.92	0.003	12	0.28	34.561	16	33.9	30.97	16	33.9	A0 J	13A	1844	A -20 1141
31		8.1T	36 36.059	-0.0037	12	-28 51 51.41	0.031	08	0.55	36.244	17	00.1	53.04	17	97.2	F0	GC	7046	C -28 2329
32		9.1R	36 39.666	0.0007	20	-28 7 30.87	0.018	20	0.35	39.655	16	33.9	31.16	16	33.9	F8 M	13B	2435	J -28 2330
33		9.0R	36 43.653	0.0017	20	-28 3 25.75	0.018	20	0.35	43.626	16	33.9	26.04	16	33.9	K0 M	13B	2436	J -28 2332
34		9.3R	36 44.991	-0.0002	18	-29 12 39.36	-0.104	18	0.33	44.994	16	33.9	37.68	16	33.9	K0 M	13B	2437	J -29 2390
35		9.3R	36 45.298	-0.0017	17	-22 20 1.91	-0.007	17	0.31	45.325	16	33.9	1.80	16	33.9	A2 J	14	2847	E -22 2369
36		8.3R	36 55.005	0.0022	18	-27 45 20.94	-0.014	15	0.31	54.970	16	33.9	20.72	16	33.9	K5 M	13B	2439	J -27 2403
37		8.7R	37 0.067	0.0015	15	-25 5 45.41	0.008	15	0.29	0.042	16	33.9	45.54	16	33.9	K0 M	14	2849	E -25 2575
38		9.5R	37 1.146	-0.0011	15	-23 26 56.79	-0.016	15	0.29	1.163	16	33.9	56.53	16	33.9	G0 M	14	2848	E -23 2949
39		7.9R	37 8.257	0.0001	18	-24 54 25.87	-0.006	18	0.33	8.256	16	33.9	25.78	16	33.9	K2 J	14	2850	E -24 3281
40		9.2R	37 12.905	0.0013	18	-25 45 8.51	0.012	18	0.33	12.884	16	33.9	8.71	16	33.9	G5 M	14	2853	E -25 2576
41		9.0R	37 14.048	0.0026	18	-26 43 18.99	-0.031	18	0.33	14.005	16	33.9	18.50	16	33.9	K5 M	14	2855	E -26 2368
42		9.0R	37 14.165	0.0008	17	-28 10 59.30	0.029	17	0.31	14.152	16	33.9	59.77	16	33.9	G5 M	13B	2440	J -28 2342
43		8.4R	37 14.641	-0.0002	20	-25 32 2.55	0.052	20	0.35	14.645	16	33.9	3.39	16	33.9	F2 M	14	2854	E -25 2577
44		8.5R	37 15.088	0.0007	20	-28 36 52.88	0.003	20	0.35	15.078	16	33.9	52.92	16	33.9	K2 M	13B	2441	J -28 2343
45		9.3R	37 18.256	0.0016	20	-24 13 21.68	-0.006	20	0.35	18.230	16	33.9	21.58	16	33.9	G5 M	14	2856	E -24 3283
46		8.0T	37 19.159	-0.0017	13	-29 44 13.04	0.051	15	0.70	19.239	18	02.0	15.46	18	02.4	F5	GC	7065	C*-29 2395
47		9.3R	37 20.181	0.0000	15	-22 57 23.74	-0.006	15	0.29	20.180	16	33.9	23.64	16	33.9	G5 M	14	2857	E -23 2955
48		8.0R	37 21.274	0.0007	20	-25 33 38.73	-0.026	20	0.35	21.263	16	33.9	38.31	16	33.9	F2 J	14	2858	E -25 2578
49		7.8R	37 21.884	0.0001	20	-25 16 11.08	0.043	20	0.35	21.883	16	33.9	11.78	16	33.9	F5 J	14	2859	E -25 2579
50		8.9R	37 28.844	-0.0045	15	-24 20 35.34	0.042	15	0.29	28.916	16	33.9	36.01	16	33.9	F8 J	14	2861	E -24 3287
51		9.1R	5 37 29.582	-0.0004	18	-24 20 17.68	-0.022	18	0.33	29.589	16	33.9	17.32	16	33.9		14	2862	E -24 3290
52		6.5T	37 35.700	-0.0015	17	-20 27 40.51	-0.001	16	0.78	35.768	26	05.7	40.47	24	03.6	B8	GC	7074K	B*-20 1147
53		9.1R	37 37.458	0.0016	20	-28 43 7.63	0.032	20	0.35	37.432	16	33.9	8.14	16	33.9	G5 M	13B	2444	J -28 2347
54		9.3R	37 37.887	-0.0001	15	-23 54 7.60	-0.007	15	0.29	37.889	16	33.9	7.48	16	33.9	K0 J	14	2865	E -23 2962
55		9.0R	37 38.904	-0.0011	18	-22 51 11.45	0.008	18	0.33	38.922	16	33.9	11.58	16	33.9	K2 J	14	2864	E -22 2377
56		9.0R	37 42.130	-0.0033	15	-25 38 48.52	0.055	15	0.29	42.184	16	33.9	49.41	16	33.9	A3 J	14	2866	E -25 2584
57		8.7A	37 43.735	0.0004	15	-21 18 54.57	-0.022	11	0.26	43.729	16	33.9	54.91	16	33.9	G0 J	13A	1854	A -21 1222
58		8.7A	37 44.310	-0.0010	20	-21 3 41.63	-0.009	15	0.32	44.326	16	33.9	41.48	16	33.9	G5 J	13A	1855	A -21 1223
59		8.3R	37 50.432	-0.0014	20	-27 27 31.85	0.013	20	0.35	50.455	16	33.9	32.06	16	33.9	K0 M	13B	2446	J -27 2411
60		8.5R	37 51.206	0.0005	20	-29 39 28.60	0.030	20	0.35	51.198	16	33.9	29.07	16	33.9	F0 J	13B	2447	J -29 2398
61		8.8R	37 55.379	-0.0001	20	-29 48 2.38	-0.003	20	0.35	55.381	16	33.9	2.32	16	33.9	F5 M	13B	2448	J -29 2399
62		9.5R	38 0.585	0.0035	18	-24 44 24.84	-0.043	18	0.33	0.529	16	33.9	25.54	16	33.9	G0 M	14	2868	E -24 3298
63		7.3T	38 1.499	-0.0016	15	-23 44 53.97	-0.033	14	0.75	1.578	18	00.4	52.30	19	99.6	K0	GC	7083	C -23 2969
64		8.5R	38 3.941	-0.0006	17	-26 58 2.12	-0.017	17	0.31	3.932	16	33.9	1.85	16	33.9	F2 M	14	2870	E -27 2415
65		9.3R	38 4.635	-0.0014	18	-22 43 38.47	-0.022	18	0.33	4.657	16	33.9	38.12	16	33.9	A5 J	14	2869	E -22 2381
66		9.0R	38 7.140	-0.0022	21	-27 45 53.04	-0.017	21	0.37	7.175	16	33.9	52.77	16	33.9	K0 M	13B	2450	J -27 2418
67		8.7R	38 9.535	0.0014	20	-28 47 55.45	0.006	20	0.35	9.512	16	33.9	55.55	16	33.9	K5 M	13B	2451	J -28 2353
68		8.6R	38 12.276	-0.0017	20	-27 49 28.39	-0.001	20	0.35	12.303	16	33.9	28.38	16	33.9	K5 M	13B	2452	J -27 2421
69		9.2R	38 14.995	-0.0008	15	-25 38 37.18	0.043	15	0.29	15.008	16	33.9	37.87	16	33.9	K0 M	14	2871	E -25 2586
70		8.8R	38 15.899	0.0031	20	-29 7 29.84	-0.013	20	0.35	15.849	16	33.9	29.62	16	33.9	K0 M	13B	2453	J -29 2404
71		9.1R	38 17.345	-0.0005	20	-24 59 53.58	0.014	20	0.35	17.354	16	33.9	53.81	16	33.9	K0 M	14	2873	E -25 2587
72		9.0A	38 18.076	0.0016	20	-21 0 13.33	-0.010	15	0.32	18.049	16	33.9	13.16	16	33.9	K0 J	13A	1860	A -21 1227
73		8.1R	38 19.491	-0.0004	18	-22 40 23.62	-0.009	18	0.33	19.497	16	33.9	23.49	16	33.9	A0 J	14	2872	E -22 2383
74		8.5R	38 24.061	-0.0001	18	-23 3 40.03	-0.009	18	0.33	24.062	16	33.9	39.89	16	33.9	A5 J	14	2876	E -23 2976
75		8.1R	38 24.997	-0.0023	18	-22 10 51.53	0.018	18	0.33	25.033	16	33.9	51.82	16	33.9	F5 J	14	2875	E -22 2384
76		8.9R	38 25.293	-0.0035	20	-25 26 10.76	0.049	20	0.35	25.349	16	33.9	11.55	16	33.9	K0 M	14	2877	E -25 2592
77		9.0R	38 29.919	0.0012	20	-29 30 23.44	-0.001	20	0.35	29.900	16	33.9	23.42	16	33.9	K0 M	13B	2457	J -29 2408
78		7.0T	38 30.520	0.0013	14	-20 19 24.47	-0.010	13	0.76	30.454	19	97.6	23.95	18	96.4	K0	GC	7097	-20 1149
79		8.6A	38 32.437	0.0022	17	-21 15 17.45	-0.005	12	0.28	32.402	16	33.9	17.36	16	33.9	K0 J	13A	1864	A -21 1229
80		8.8A	38 34.295	-0.0022	17	-20 6 4.57	-0.013	12	0.28	34.332	16	33.9	4.37	16	33.9	K2 J	13A	1865	A -20 1150
81		9.4R	38 42.413	0.0010	13	-24 3 24.06	0.002	13	0.27	42.396	16	33.9	24.09	16	33.9	K0 M	14	2878	E -24 3308
82		8.7R	38 43.241	-0.0001	18	-25 41 50.42	0.007	18	0.33	43.242	16	33.9	50.54	16	33.9	B9 J	14	2879	E -25 2594
83		9.0R	38 48.868	0.0015	20	-28 17 52.18	0.044	20	0.35	48.843	16	33.9	52.89	16	33.9	G0 M	13B	2459	J -28 2361
84		8.6R	38 50.402	-0.0009	20	-25 48 4.53	0.059	20	0.35	50.417	16	33.9	5.48	16	33.9	F5 M	14	2881	E -25 2596
85		9.3R	38 51.504	-0.0006	18	-22 37 39.25	0.018	18	0.33	51.513	16	33.9	39.54	16	33.9	F2 J	14	2880	E -22 2391
86		8.3A	38 52.147	-0.0019	18	-21 34 5.53	0.017	13	0.30	52.177	16	33.9	5.80	16	33.9	F0 J	13A	1868	A -21 1231
87		9.4R	38 53.595	-0.0028	15	-24 26 53.03	0.003	15	0.29	53.640	16	33.9	53.07	16	33.9	F5 J	14	2882	E -24 3314
88		9.1R	38 56.140	-0.0012	20	-27 4 2.60	0.029	20	0.35	56.159	16	33.9	3.07	16	33.9	K M	13B	2461	J -27 2429
89		7.0T	38 56.720	0.0002	12	-29 44 43.31	0.004	12	0.66	56.708	18	97.4	43.50	18	97.1	G5	GC	7110	C -29 2413
90		8.0R	39 0.373	-0.0003	20	-27 58 34.71	0.019	20	0.35	0.378	16	33.9	35.02	16	33.9	M0 M	13B	2463	J -28 2363
91		8.0R	39 0.511	-0.0015	20	-25 31 54.29	0.008	20	0.35	0.535	16	33.9	54.42	16	33.9	B9 J	14	2885	E -25 2598
92		9.1R	39 3.184	-0.0002	18	-24 35 34.10	-0.042	18	0.33	3.187	16	33.9	33.43	16	33.9	G0 J	14	2886	E -24 3319
93		9.0R	39 6.004	0.0024	18	-26 56 44.52	-0.025	18	0.33	5.965	16	33.9	44.12	16	33.9	K0 M	14	2887	E -26 2390
94		9.1R	39 10.501	0.0026	18	-27 50 3.75	-0.027	18	0.33	10.459	16	33.9	4.19	16	33.9	G5 M	13B	2466	J -27 2431
95		8.9R	39 14.599	0.0008	17	-28 35 39.55	-0.038	17	0.31	14.587	16	33.9	38.93	16	33.9	A7 M	13B	2469	J -28 2367
96		9.3R	39 14.613	-0.0008	13	-29 40 53.87	-0.019	13	0.27	14.625	16	33.9	53.56	16	33.9	F8 M	13B	2471	J -29 2415
97		7.8T	39 16.521	-0.0112	13	-26 22 13.66	0.025	12	0.70	17.094	18	98.7	15.00	18	96.8	F5	GC	7117K	C -26 2393
98		8.8A	39 16.671	-0.0010	17	-21 33 14.31	-0.030	12	0.28	16.688	16	33.9	13.83	16	33.9	K7 J	13A	1870	A -21 1233
99		9.2R	39 26.365	-0.0014	18	-25 10 50.96	-0.008	18	0.33	26.388	16	33.9	50.84	16	33.9	K2 M	14	2891	E -25 2605
00		9.3R	39 30.050	0.0016	18	-27 45 46.87	-0.062	18	0.33	30.024	16	33.9	45.88	16	33.9	G5 M	13B	2473	J -27 2436

170700

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	EPOCH 1950 μ s	σ_μ ″ .001	EPOCH 1950 δ_{1950} ° ′ ″	EPOCH 1950 μ' ″	$\sigma_{\mu'}$ ″ .001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ ″ .01	ep.	δ_2 ″	σ' ″ .01	ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	-20° 5H DM NUMBER
1		9.0R	5 39 30.512	0.0011	18	-27 28 46.62	0.018	18	0.33	30.494	16	33.9	46.91	16	33.9	F8 M	13B	2474	J -27 2435
2		9.0R	39 37.803	0.0007	18	-24 51 22.68	-0.019	18	0.33	37.792	16	33.9	22.38	16	33.9	F8 J	14	2892	E -24 3335
3		9.5R	39 39.157	-0.0016	18	-27 2 24.70	-0.029	18	0.33	39.182	16	33.9	24.24	16	33.9	G5 M	13B	2475	J -27 2437
4		8.8R	39 45.537	-0.0007	20	-28 5 30.69	0.027	20	0.35	45.549	16	33.9	31.13	16	33.9	A0 M	13B	2476	J -28 2371
5		9.1R	39 50.751	0.0006	20	-28 47 30.37	0.043	20	0.35	50.742	16	33.9	31.06	16	33.9	G5 M	13B	2478	J -28 2374
6		8.6R	39 53.716	0.0003	18	-24 25 39.00	0.008	18	0.33	53.711	16	33.9	39.12	16	33.9	K5 J	14	2894	E -24 3339
7		9.3R	39 55.361	-0.0041	13	-29 6 41.66	-0.001	13	0.27	55.428	16	33.9	41.65	16	33.9	F0 M	13B	2480	J -29 2424
8		9.0R	39 56.199	-0.0006	18	-27 42 56.59	-0.025	18	0.33	56.208	16	33.9	56.19	16	33.9	G5 M	13B	2479	J -27 2438
9		9.4R	39 57.304	-0.0007	18	-22 48 20.79	0.000	18	0.33	57.515	16	33.9	20.79	16	33.9	G5 M	14	2895	E -22 2399
10		9.1R	39 57.938	0.0012	13	-24 21 14.63	0.006	13	0.27	57.919	16	33.9	14.72	16	33.9	K2 J	14	2896	E -24 3340
11		9.0R	39 58.557	-0.0002	15	-25 34 8.10	0.068	18	0.31	58.561	16	33.9	9.20	16	33.9	G5 M	14	2897	E -25 2609
12		9.0R	40 3.076	0.0009	18	-24 59 52.32	0.034	18	0.33	3.063	16	33.9	52.87	16	33.9	K5 M	14	2898	E -25 2610
13		9.0R	40 5.610	-0.0004	18	-23 8 47.05	0.010	18	0.33	5.616	16	33.9	47.21	16	33.9	A5 J	14	2899	E -23 3000
14		9.4R	40 7.444	-0.0013	18	-27 1 53.26	-0.024	18	0.33	7.465	16	33.9	52.88	16	33.9	G5 M	13B	2481	J -27 2442
15		3.9T	40 7.633	-0.0007	06	-22 23 47.88	0.017	06	0.22	7.665	09	04.4	48.64	09	04.9	A2	GC	7141	B*-22 1194
16		9.3R	40 14.427	-0.0011	18	-22 30 48.18	-0.005	18	0.33	14.444	16	33.9	48.10	16	33.9	K0 J	14	2901	E -22 2401
17		9.0R	40 19.483	-0.0019	12	-24 58 9.88	-0.034	12	0.25	19.514	16	33.9	9.34	16	33.9	F8 M	14	2902	E -24 3345
18		7.9T	40 21.317	-0.0002	12	-27 43 48.53	-0.022	13	0.69	21.328	21	98.2	47.39	19	97.6	A3	GC	7149	C*-27 2446
19		9.1A	40 22.457	0.0010	18	-21 33 51.88	-0.014	13	0.30	22.440	16	33.9	51.65	16	33.9	K0 J	13A	1874	A -21 1238
20		8.9A	40 22.728	-0.0014	18	-21 23 57.01	0.001	13	0.30	22.749	16	33.9	57.02	16	33.9	G5 J	13A	1876	A -21 1239
21		8.4A	40 25.710	0.0002	15	-21 10 37.58	0.023	12	0.27	25.706	16	33.9	37.94	16	33.9	F0 J	13A	1877	A -20 1159
22		9.4R	40 29.598	-0.0014	15	-22 40 14.53	-0.017	15	0.29	29.621	16	33.9	14.66	16	33.9	K0 M	14	2903	E -22 2409
23		9.0R	40 37.626	-0.0024	18	-23 50 58.93	0.026	18	0.33	37.664	16	33.9	59.34	16	33.9	G5 J	14	2904	E -23 3011
24		9.1R	40 39.632	-0.0026	13	-28 45 13.27	0.024	13	0.27	39.674	16	33.9	13.65	16	33.9	G0 M	13B	2485	J -28 2385
25		9.1R	40 43.090	-0.0017	18	-23 33 13.65	-0.020	18	0.33	43.117	16	33.9	13.32	16	33.9	F0 J	14	2905	E -23 3012
26		8.8A	40 45.803	0.0015	17	-21 3 21.82	0.021	12	0.28	45.778	16	33.9	22.15	16	33.9	G0 J	13A	1882	A -21 1240
27		9.3R	40 46.642	-0.0023	13	-22 25 25.21	-0.012	13	0.27	46.680	16	33.9	25.02	16	33.9	B9 J	14	2906	E -22 2412
28		9.0R	40 49.231	0.0012	17	-28 1 31.81	0.019	17	0.31	49.211	16	33.9	32.12	16	33.9	K5 M	13B	2487	J -28 2386
29		8.3R	40 56.829	0.0013	12	-29 21 6.77	0.007	12	0.25	56.809	16	33.9	6.88	16	33.9	A3 J	13B	2488	J -29 2436
30		9.2R	41 7.457	-0.0006	20	-24 54 12.60	0.046	20	0.35	7.467	16	33.9	13.34	16	33.9	K0 M	14	2909	E -24 3365
31		8.6A	41 10.597	0.0010	20	-20 41 8.21	-0.010	15	0.32	10.581	16	33.9	8.04	16	33.9	A2 J	13A	1885K	A -20 1163
32		8.5A	41 11.664	0.0008	17	-20 12 38.40	0.012	13	0.29	11.651	16	33.9	38.60	16	33.9	F2 J	13A	1886	A -20 1162
33		9.5R	41 12.816	-0.0014	15	-24 59 54.60	0.010	15	0.29	12.839	16	33.9	54.76	16	33.9	F5 M	14	2910	E -25 2619
34		8.9A	41 26.426	-0.0011	15	-20 24 19.01	0.000	12	0.27	26.444	16	33.9	19.02	16	33.9	A2 J	13A	1887	A -20 1165
35		7.9R	41 26.458	0.0008	18	-26 9 57.65	-0.004	18	0.34	26.446	16	33.5	57.59	16	33.5	K0 J	14	2912	E -26 2414
36		8.5R	41 26.910	0.0006	18	-25 38 33.95	-0.046	18	0.34	26.900	16	33.5	33.20	16	33.5	G5 M	14	2911	E -25 2622
37		9.6R	41 30.504	0.0011	18	-24 33 2.72	-0.017	18	0.34	30.486	16	33.5	2.44	16	33.5	G2 M	14	2913	E -24 3370
38		8.7R	41 35.076	0.0001	18	-23 33 33.81	0.002	18	0.34	35.074	16	33.5	33.84	16	33.5	F8 J	14	2915	E -23 3026
39		8.2R	41 35.872	-0.0002	15	-22 48 5.36	0.005	00	0.23	35.876	16	33.5	5.44	16	33.5	K0 J	14	2914	E*-22 2424
40		7.0T	41 38.886	-0.0008	13	-21 26 59.65	-0.034	12	0.61	38.925	14	02.4	57.99	15	01.6	G5	GC	7174	-21 1244
41		9.6R	41 42.933	-0.0013	18	-22 42 8.52	-0.019	18	0.34	42.954	16	33.5	8.21	16	33.5	F5 J	14	2916	E -22 2427
42		7.3A	41 44.312	0.0132	20	-21 18 3.77	-0.012	15	0.33	44.084	16	33.5	3.56	16	33.5	G0 J	13A	1891	A -21 1245
43		9.0R	41 47.464	-0.0001	20	-25 44 47.61	0.073	20	0.36	47.467	16	33.5	48.82	16	33.5	F8 M	14	2918	E -25 2628
44		9.4R	41 48.040	-0.0005	18	-23 32 58.54	-0.003	18	0.34	48.048	16	33.5	58.49	16	33.5	G5 J	14	2917	E -23 3031
45		9.0R	41 48.596	-0.0042	20	-24 59 16.21	-0.021	20	0.36	48.665	16	33.5	15.87	16	33.5	K0 M	14	2919	E -25 2625
46		9.1A	41 48.803	-0.0021	18	-20 59 13.08	0.021	13	0.30	48.838	16	33.5	13.42	16	33.5	F8 J	13A	1892	A -21 1246
47		9.1R	41 51.677	-0.0029	20	-26 56 2.83	0.015	20	0.36	51.724	16	33.5	3.08	16	33.5	G5 M	14	2922	E -26 2419
48		8.8R	41 53.085	-0.0021	18	-23 23 8.40	0.011	18	0.34	53.120	16	33.5	8.59	16	33.5	G5 J	14	2920	E -23 3035
49		8.8R	41 57.109	-0.0019	18	-22 49 39.78	-0.019	18	0.34	57.139	16	33.5	39.48	16	33.5	K0 J	14	2921	E -22 2430
50		9.0R	42 1.408	-0.0020	18	-22 32 24.60	0.100	18	0.34	1.441	16	33.5	26.26	16	33.5	G0 J	14	2923	E -22 2431
51		7.9R	5 42 9.870	0.0010	20	-28 14 50.76	0.037	20	0.36	9.853	16	33.5	51.37	16	33.5	K5 J	13B	2491	J -28 2405
52		9.0R	42 10.224	-0.0065	20	-28 37 51.87	0.004	20	0.36	10.331	16	33.5	51.94	16	33.5	G2 M	13B	2492	J -28 2406
53		9.0R	42 12.265	0.0004	18	-23 47 50.49	0.012	18	0.34	12.259	16	33.5	50.68	16	33.5	K0 J	14	2924	E -23 3040
54		7.7R	42 13.346	-0.0036	20	-27 33 56.20	0.027	20	0.36	13.405	16	33.5	56.65	16	33.5	A3 J	13B	2493	J -27 2462
55		9.0R	42 18.890	0.0043	20	-28 0 50.37	0.050	20	0.36	18.819	16	33.5	51.19	16	33.5	K0 M	13B	2496	J -28 2409
56		6.4T	42 19.146	-0.0016	10	-20 8 49.73	0.045	10	0.39	19.210	09	10.7	51.46	09	11.7	G0	GC	7193	-20 1171
57		6.4T	42 21.373	-0.0225	05	-22 26 13.31	-0.355	05	0.24	22.376	09	05.4	-56.90	09	03.8	G5	GC	7196K	-22 1210
58		9.0R	42 21.620	-0.0044	15	-23 38 2.56	0.020	12	0.27	21.691	16	33.5	2.89	16	33.5	G5 J	14	2926	E -23 3043
59		3.8M	42 22.653	-0.0212	01	-22 27 48.30	-0.373	02	0.07	23.484	03	10.8	33.16	04	09.4	F8	F4	217	-22 1211
60		9.4R	42 25.475	-0.0004	15	-24 25 13.04	0.003	15	0.29	25.481	16	33.5	13.09	16	33.5	G5 M	14	2928	E -24 3386
61		9.0A	42 31.520	0.0038	18	-20 43 7.19	-0.045	13	0.30	31.457	16	33.5	6.44	16	33.5	G0 J	13A	1902	A -20 1172
62		8.7R	42 34.948	-0.0115	20	-26 49 42.81	-0.026	20	0.36	35.138	16	33.5	42.39	16	33.5	K0 M	14	2931	E -26 2431
63		9.3R	42 35.423	-0.0021	15	-22 50 26.79	-0.016	15	0.29	35.457	16	33.5	26.53	16	33.5	K0 M	14	2929	E -22 2440
64		9.1R	42 35.856	0.0010	15	-26 16 57.52	-0.006	12	0.27	35.840	16	33.5	57.43	16	33.5	A0 M	14	2930	E -26 2430
65		9.0A	42 37.497	0.0004	18	-20 44 39.37	-0.057	15	0.31	37.491	16	33.5	38.42	16	33.5	G0 J	13A	1903	A -20 1173
66		8.6R	42 40.773	0.0012	20	-26 10 15.99	-0.061	20	0.36	40.754	16	33.5	14.99	16	33.5	G5 J	14	2935	E -26 2433
67		8.9R	42 40.858	0.0032	20	-29 28 38.61	0.017	20	0.36	40.805	16	33.5	38.89	16	33.5	K0 M	13B	2499	J -29 2445
68		8.9A	42 41.295	-0.0005	18	-21 31 42.48	0.055	13	0.30	41.304	16	33.5	43.39	16	33.5	F5 J	13A	1905	A -21 1251
69		9.0R	42 41.515	-0.0027	12	-22 52 0.61	0.008	12	0.25	41.561	16	33.5	0.75	16	33.5	F5 J	14	2932	E -22 2443
70		6.7T	42 43.397	-0.0008	18	-21 40 44.90	-0.021	17	0.87	43.435	19	01.9	43.88	19	01.7	B3	GC	7203K	-21 1252
71		8.3R	42 44.045	-0.0008	20	-29 56 3.00	-0.194	20	0.36	44.058	16	33.5	-59.80	16	33.5	G0 J	13B	2500	J -29 2447
72		8.6R	42 44.202	-0.0006	15	-22 31 32.74	0.012	15	0.29	44.211	16	33.5	32.94	16	33.5	A0 J	14	2933	E -22 2445
73		9.4R	42 45.002	-0.0008	18	-22 50 45.54	-0.027	18	0.34	45.014	16	33.5	45.10	16	33.5	K0 M	14	2934	E -22 2446
74		9.1A	42 48.513	-0.0020	20	-20 30 24.36	-0.009	15	0.33	48.547	16	33.5	24.20	16	33.5	K5 J	13A	1908	A -20 1175
75		9.1R	42 56.867	-0.0020	20	-29 12 12.55	-0.031	20	0.36	56.901	16	33.5	12.03	16	33.5	G0 M	13B	2502	J -29 2451
76		8.7R	42 58.489	-0.0012	20	-27 26 7.82	-0.020	20	0.36	58.509	16	33.5	7.49	16	33.5	K0 M	13B	2501	J -27 2469
77		8.7R	42 59.908	0.0014	20	-27 43 6.04	0.012	20	0.36	59.865	16	33.5	6.24	16	33.5	A0 M	13B	2503	J -27 2470
78		9.3R	43 2.491	0.0014	18	-22 16 55.97	0.024	18	0.34	2.468	16	33.5	56.37	16	33.5	G0 J	14	2936	E -22 2449
79		8.9R	43 3.400	0.0014	17	-29 47 8.34	0.052	17	0.31	3.377	16	33.5	9.19	16	33.5	K2 M	13B	2505	J -29 2452
80		8.9R	43 4.851	0.0010	18	-24 11 28.68	0.008	18	0.34	4.835	16	33.5	28.81	16	33.5	K0 M	14	2937	E -24 3391
81		8.9R	43 5.679	-0.0024	20	-26 34 30.36	-0.012	20	0.36	5.719	16	33.5	30.17	16	33.5	G0 M	14	2939	E -26 2439
82		8.0R	43 10.155	-0.0088	20	-27 0 53.56	0.321	20	0.36	10.300	16	33.5	58.85	16	33.5	F8 J	13B	2507	J -27 2472
83		9.2R	43 10.173	-0.0014	18	-22 28 31.31	-0.003	18	0.34	10.196	16	33.5	31.26	16	33.5	G5 M	14	2938	E -22 2451
84		8.7R	43 12.217	0.0007	18	-23 38 56.48	-0.030	18	0.34	12.205	16	33.5	55.98	16	33.5	K0 J	14	2940	E -23 3055
85		8.9R	43 12.480	0.0012	17	-29 33 27.99	0.018	17	0.31	12.461	16	33.5	28.28	16	33.5	M0 M	13B	2510	J -29 2456
86		8.6A	43 12.833	-0.0006	18	-20 6 31.60	0.024	13	0.30	12.843	16	33.5	32.00	16	33.5	K5 J	13A	1911	A -20 1177
87		9.0R	43 12.966	0.0049	20	-28 40 17.26	0.012	20	0.36	12.885	16	33.5	17.46	16	33.5	G5 M	13B	2509	J -28 2425
88		9.2A	43 15.385	-0.0016	20	-20 13 51.44	-0.001	15	0.33	15.412	16	33.5	51.43	16	33.5	G5 J	13A	1912	A -20 1178
89		8.4R	43 16.289	-0.0061	18	-23 51 17.72	0.008	18	0.34	16.389	16	33.5	17.85	16	33.5	K0 J	14	2941	E -23 3057
90		9.4R	43 18.042	0.0015	18	-24 2 15.76	-0.005	18	0.34	18.016	16	33.5	15.67	16	33.5	F8 M	14	2942	E -24 3396
91		9.4R	43 20.034	-0.0037	18	-22 53 36.22	0.013	18	0.34	20.095	16	33.5	36.45	16	33.5	F8 M	14	2943	E -22 2457
92		9.0R	43 21.237	-0.0048	15	-22 13 0.39	-0.024	12	0.27	21.316	16	33.5	-59.99	16	33.5	F8 M	14	2944	E -22 2455
93		8.9R	43 23.902	0.0001	20	-29 55 47.51	-0.003	20	0.36	23.900	16	33.5	47.45	16	33.5	G0 J	13B	2514	J -29 2459
94		9.1R	43 25.902	-0.0011	20	-27 38 12.85	-0.039	20	0.36	25.920	16	33.5	12.21	16	33.5	A5 M	13B	2512	J -27 2478
95		9.4R	43 27.596	-0.0031	17	-22 10 57.55	-0.032	17	0.31	27.646	16	33.5	57.02	16	33.5	K0 J	14	2945	E -22 2458
96		7.7R	43 31.560	0.0010	15	-27 30 13.09	-0.023	15	0.29	31.544	16	33.5	12.71	16	33.5	M0 M	13B	2515	J -27 2480
97		9.6R	43 37.222	0.0017	20	-24 16 15.53	0.060	20	0.36	37.194	16	33.5	16.51	16	33.5	K0 M	14	2946	E -24 3399
98		9.3R	43 49.229	-0.0025	20	-23 29 26.81	-0.022	20	0.36	49.271	16	33.5	26.46	16	33.5	K0 M	14	2948	E -23 3069
99		8.0R	43 49.310	-0.0007	18	-23 9 29.55	-0.039	18	0.34	49.321	16	33.5	28.92	16	33.5	K0 J	14	2947	E -23 3068
00		8.7R	43 51.518	0.0001	20	-27 24 58.33	-0.006	20	0.36	51.516	16	33.5	58.24	16	33.5	K2 M	13B	2519	J -27 2485

170800			EPOCH 1950								ORIGINAL EPOCH							SP.	SOURCE		-20° 5H
NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.		CAT.	STAR NUMBER	DM NUMBER
1		9.0R	5 43 54.765	0.0008	21	-23 44 48.02	0.010	21	0.38	54.751	16	33.5	48.18	16	33.5	K0 M	14	2949	E -23 3071
2		9.1R	43 57.748	0.0001	20	-27 25 33.36	-0.005	20	0.36	57.746	16	33.5	33.28	16	33.5	G0 M	13B	2521	J -27 2486
3		9.2A	44 0.879	-0.0008	18	-20 14 41.76	0.016	13	0.30	0.893	16	33.5	42.03	16	33.5	F8 J	13A	1915	A -20 1182
4		9.0R	44 3.585	-0.0008	17	-29 45 15.64	0.028	17	0.31	3.598	16	33.5	16.10	16	33.5	G5 M	13B	2523	J -29 2471
5		9.1R	44 3.599	0.0006	18	-26 54 25.50	-0.032	18	0.34	3.590	16	33.5	24.98	16	33.5	F5 M	14	2950	E -26 2453
6		8.5R	44 5.608	0.0002	18	-26 38 32.12	-0.010	18	0.34	5.605	16	33.5	31.96	16	33.5	K2 J	14	2952	E -26 2454
7		9.2R	44 6.515	0.0065	17	-28 7 2.37	0.086	17	0.31	6.408	16	33.5	3.79	16	33.5	G5 M	13B	2524	J -28 2439
8		8.7R	44 7.695	0.0007	18	-25 53 43.63	-0.005	18	0.34	7.683	16	33.5	43.55	16	33.5	K0 J	14	2953	E -25 2654
9		7.0T	44 9.388	0.0004	12	-23 39 45.88	0.013	11	0.65	9.366	18	97.0	46.59	17	94.7	M8	GC	7231	C*-23 3073
10		9.6R	44 9.795	0.0025	18	-24 45 37.85	-0.004	18	0.34	9.754	16	33.5	37.79	16	33.5	G5 M	14	2954	E -24 3411
11		8.9A	44 11.304	0.0015	18	-21 50 52.78	0.077	13	0.30	11.278	16	33.5	54.05	16	33.5	F5 J	13A	1917	A -21 1256
12		8.8A	44 13.019	0.0009	17	-21 46 1.15	0.026	12	0.28	13.004	16	33.5	1.58	16	33.5	F8 J	13A	1918	A -21 1257
13		9.3R	44 23.791	-0.0025	15	-27 6 42.42	0.037	15	0.29	23.833	16	33.5	43.03	16	33.5	G0 M	13B	2525	J -27 2492
14		8.9A	44 24.956	0.0015	17	-20 28 56.27	0.035	13	0.29	24.931	16	33.5	56.85	16	33.5	M0 J	13A	1919	A -20 1184
15		9.4R	44 27.614	0.0005	12	-22 7 47.61	-0.027	12	0.25	27.606	16	33.5	47.16	16	33.5	F0 M	14	2958	E -22 2471
16		8.4R	44 27.686	-0.0016	18	-26 23 41.23	-0.002	18	0.34	27.713	16	33.5	41.20	16	33.5	A2 J	14	2960	E -26 2456
17		9.0R	44 28.502	0.0020	18	-26 47 38.40	-0.033	15	0.31	28.469	16	33.5	37.86	16	33.5	F8 M	14	2962	E -26 2457
18		9.0R	44 28.706	-0.0030	20	-26 58 7.05	0.035	20	0.36	28.754	16	33.5	7.63	16	33.5	G5 M	14	2963	E -26 2459
19		9.3R	44 30.920	-0.0028	20	-25 59 25.49	0.044	20	0.36	30.966	16	33.5	26.22	16	33.5	F5 M	14	2965	E -26 2458
20		8.7A	44 30.971	0.0025	18	-21 2 22.27	-0.049	15	0.31	30.930	16	33.5	21.45	16	33.5	F5 J	13A	1921	A -21 1260
21		9.0R	44 32.497	0.0001	15	-22 52 2.69	-0.014	15	0.29	32.495	16	33.5	2.46	16	33.5	K7 M	14	2959	E -22 2474
22		8.8R	44 34.175	0.0013	18	-22 38 20.18	0.009	18	0.34	34.154	16	33.5	20.34	16	33.5	K0 J	14	2961	E -22 2473
23		9.3R	44 34.958	-0.0016	18	-22 44 58.22	0.002	18	0.34	34.984	16	33.5	58.25	16	33.5	F8 J	14	2964	E -22 2475
24		8.9A	44 35.320	0.0001	18	-21 50 39.16	-0.016	15	0.31	35.318	16	33.5	38.90	16	33.5	G0 J	13A	1922	A -21 1261
25		9.5R	44 36.155	-0.0090	20	-23 28 43.57	-0.036	20	0.36	36.303	16	33.5	42.99	16	33.5	A3 M	14	2966	E -23 3077
26		8.7R	44 39.760	-0.0001	18	-22 50 50.30	0.020	18	0.34	39.761	16	33.5	50.63	16	33.5	K0 J	14	2967	E -22 2479
27		9.1R	44 40.800	0.0007	18	-23 31 46.12	-0.001	18	0.34	40.789	16	33.5	46.10	16	33.5	K5 M	14	2969	E -23 3078
28		9.1R	44 44.899	-0.0003	12	-26 32 48.02	0.018	12	0.25	44.904	16	33.5	48.32	16	33.5	M M	14	2970	E -26 2461
29		7.5T	44 55.981	-0.0048	14	-28 54 21.17	-0.121	12	0.69	56.221	15	00.0	14.72	18	96.7	F5	GC	7253	C -28 2447
30		8.7R	44 56.864	-0.0022	18	-23 1 8.13	0.017	18	0.34	56.901	16	33.5	8.42	16	33.5	K0 J	14	2971	E -23 3083
31		8.5R	44 57.553	-0.0004	18	-25 43 25.61	0.026	18	0.34	57.559	16	33.5	26.04	16	33.5	F8 J	14	2972	E -25 2664
32		9.0R	44 58.642	0.0013	15	-25 14 44.99	-0.011	15	0.29	58.620	16	33.5	44.81	16	33.5	F0 M	14	2973	E -25 2666
33		8.8R	45 4.307	0.0017	17	-29 27 32.34	0.025	17	0.31	4.279	16	33.5	32.75	16	33.5	K2 M	13B	2530	J -29 2484
34		8.5A	45 5.155	-0.0007	18	-21 33 36.57	0.008	13	0.30	5.166	16	33.5	36.70	16	33.5	M2 J	13A	1926	A -21 1262
35		8.6R	45 6.880	0.0005	17	-28 17 3.91	0.042	17	0.31	6.872	16	33.5	4.60	16	33.5	K2 M	13B	2531	J -28 2448
36		6.0T	45 7.351	0.0001	11	-28 39 21.70	0.005	11	0.62	7.346	17	95.9	21.97	18	95.3	B8	GC	7259	C -28 2449
37		8.4R	45 8.105	0.0002	18	-26 16 29.45	-0.003	18	0.34	8.103	16	33.5	29.40	16	33.5	G0 J	14	2977	E -26 2466
38		8.7R	45 9.508	-0.0001	13	-24 30 46.94	0.041	13	0.27	9.510	16	33.5	47.62	16	33.5	F2 J	14	2974	E -24 3429
39		9.1R	45 10.578	0.0012	18	-24 30 41.85	0.022	18	0.34	10.559	16	33.5	42.21	16	33.5	F2 J	14	2976	E -24 3430
40		9.3R	45 11.707	-0.0011	15	-22 53 42.45	-0.007	15	0.29	11.724	16	33.5	42.33	16	33.5	K2 M	14	2975	E -22 2484
41		7.2T	45 22.196	0.0019	07	-27 9 2.45	-0.011	06	0.30	22.116	10	07.0	1.96	10	04.8	F8	GC	7263	C*-27 2504
42		8.9R	45 28.600	-0.0004	18	-23 54 40.02	-0.019	18	0.34	28.607	16	33.5	39.70	16	33.5	K0 J	14	2978	E -23 3098
43		9.4R	45 28.738	0.0000	18	-26 56 24.21	-0.016	18	0.34	28.737	16	33.5	23.95	16	33.5	F2 M	14	2980	E -26 2470
44		8.7R	45 31.398	-0.0054	18	-24 3 2.99	-0.047	18	0.34	31.486	16	33.5	2.21	16	33.5	G5 J	14	2979	E -24 3431
45		9.2R	45 33.221	0.0053	18	-24 11 10.74	-0.033	18	0.34	33.133	16	33.5	10.19	16	33.5	G2 M	14	2981	E -24 3432
46		8.9A	45 39.351	0.0009	18	-21 7 49.66	-0.011	13	0.30	39.337	16	33.5	49.47	16	33.5	K2 J	13A	1929	A -21 1267
47		9.1A	45 46.868	-0.0008	15	-21 41 9.27	-0.004	11	0.26	46.881	16	33.5	9.20	16	33.5	K5 J	13A	1930	A -21 1268
48		9.1R	45 50.245	0.0001	18	-24 49 10.76	-0.013	18	0.34	50.244	16	33.5	10.55	16	33.5	G5 M	14	2984	E -24 3435
49		8.8R	45 50.329	0.0013	15	-22 43 15.18	-0.056	15	0.29	50.308	16	33.5	14.27	16	33.5	K0 J	14	2982	E -22 2487
50		9.3R	45 51.020	0.0012	18	-23 49 48.98	0.002	18	0.34	51.001	16	33.5	49.01	16	33.5	G0 J	14	2983	E -23 3102
51		8.4R	5 45 52.624	-0.0007	12	-28 33 52.24	-0.030	12	0.25	52.636	16	33.5	51.75	16	33.5	K0 M	13B	2538	J -28 2461
52		9.5R	45 54.813	0.0038	18	-26 58 59.12	-0.058	18	0.34	54.750	16	33.5	58.17	16	33.5	K0 M	13B	2537	J -27 2507
53		9.1R	45 57.204	-0.0011	20	-22 11 29.32	-0.018	20	0.36	57.222	16	33.5	29.02	16	33.5	K0 M	14	2985	E -22 2490
54		8.5A	46 0.821	-0.0004	17	-20 2 22.25	0.040	13	0.29	0.828	16	33.5	22.92	16	33.5	F0 J	13A	1933	A -20 1188
55		9.5R	46 4.686	-0.0023	18	-24 1 21.40	0.001	18	0.34	4.723	16	33.5	21.42	16	33.5	F5 J	14	2986	E -24 3440
56		8.9A	46 11.719	-0.0006	18	-21 49 57.25	-0.005	13	0.30	11.729	16	33.5	57.17	16	33.5	F5 J	13A	1936	A -21 1271
57		7.6R	46 14.403	-0.0055	18	-22 4 7.71	0.012	18	0.34	14.493	16	33.5	7.91	16	33.5	K2 J	14	2987	E -22 2492
58		8.6R	46 16.408	0.0012	18	-26 8 55.99	0.026	18	0.34	16.389	16	33.5	56.42	16	33.5	K5 J	14	2990	E -26 2480
59		8.5R	46 16.773	-0.0031	18	-24 28 43.64	-0.023	18	0.34	16.823	16	33.5	43.25	16	33.5	G0 J	14	2988	E -24 3443
60		8.7R	46 20.064	-0.0001	15	-22 30 37.76	-0.013	15	0.29	20.065	16	33.5	37.56	16	33.5	A0 J	14	2989	E -22 2494
61		8.8A	46 27.862	0.0010	17	-20 38 53.90	-0.011	13	0.29	27.847	16	33.5	53.72	16	33.5	F0 J	13A	1939	A -20 1191
62		9.4R	46 32.585	-0.0023	18	-27 54 10.77	0.001	18	0.34	32.623	16	33.5	10.79	16	33.5	A0 M	13B	2541	J -27 2511
63		9.0R	46 33.679	0.0002	15	-23 1 0.67	-0.033	15	0.29	33.676	16	33.5	0.14	16	33.5	F8 J	14	2992	E -23 3110
64		9.3R	46 40.084	0.0007	18	-27 22 6.78	-0.045	18	0.34	40.073	16	33.5	6.04	16	33.5	G0 M	13B	2543	J -27 2512
65		9.0R	46 40.123	0.0002	18	-24 9 46.77	-0.019	18	0.34	40.119	16	33.5	46.45	16	33.5	K2 J	14	2994	E -24 3448
66		8.7R	46 46.896	-0.0006	15	-25 8 7.74	0.012	15	0.29	46.906	16	33.5	7.94	16	33.5	G0 J	14	2995K	E -25 2690
67		8.2R	46 55.666	-0.0005	18	-22 4 16.47	0.018	18	0.34	55.675	16	33.5	16.77	16	33.5	K0 J	14	2997	E -22 2502
68		8.4R	46 56.659	-0.0005	18	-23 49 30.74	0.055	18	0.34	56.667	16	33.5	31.64	16	33.5	F8 J	14	2998	E -23 3120
69		8.8A	46 58.598	-0.0005	15	-20 6 51.28	0.016	11	0.26	58.607	16	33.5	51.55	16	33.5	K0 J	13A	1942	A -20 1193
70		9.1R	47 0.098	-0.0004	18	-22 17 29.86	-0.007	18	0.34	0.104	16	33.5	29.74	16	33.5	M2 J	14	2999	E -22 2503
71		9.3R	47 6.651	-0.0010	15	-24 3 38.92	0.025	15	0.29	6.667	16	33.5	39.33	16	33.5	A0 J	14	3000	E -24 3453
72		8.2R	47 7.443	-0.0010	12	-28 23 37.73	0.002	12	0.25	7.459	16	33.5	37.77	16	33.5	K5 M	13B	2548	J -28 2476
73		8.9R	47 9.853	-0.0014	17	-29 3 4.20	0.011	17	0.31	9.876	16	33.5	4.37	16	33.5	K0 M	13B	2549	J -29 2511
74		9.0R	47 11.675	0.0024	15	-28 0 5.05	-0.043	15	0.29	11.636	16	33.5	4.34	16	33.5	G0 M	13B	2550	J -28 2477
75		8.9R	47 13.143	-0.0009	18	-24 55 51.09	0.005	18	0.34	13.158	16	33.5	51.18	16	33.5	F2 J	14	3001	E -24 3455
76		8.4R	47 17.432	0.0038	18	-24 17 9.24	-0.019	18	0.34	17.369	16	33.5	8.92	16	33.5	K0 J	14	3002	E -24 3456
77		8.3R	47 18.500	0.0002	20	-29 36 5.40	-0.075	20	0.36	18.497	16	33.5	4.16	16	33.5	K0 J	13B	2552	J -29 2516
78		8.8R	47 20.088	-0.0013	18	-26 43 18.14	0.010	18	0.34	20.109	16	33.5	18.31	16	33.5	K2 J	14	3004	E -26 2494
79		8.9A	47 24.793	-0.0020	17	-20 4 50.73	0.039	13	0.29	24.825	16	33.5	51.38	16	33.5	K7 J	13A	1945	A -20 1199
80		9.1R	47 25.631	0.0013	18	-25 49 4.63	-0.042	18	0.34	25.609	16	33.5	3.94	16	33.5	K5 M	14	3006	E -25 2699
81		9.1R	47 25.740	0.0002	18	-25 34 18.16	0.006	18	0.34	25.738	16	33.5	18.26	16	33.5	A2 J	14	3005	E -25 2700
82		9.0A	47 26.948	0.0007	18	-21 41 18.58	-0.010	13	0.30	26.936	16	33.5	18.41	16	33.5	A0 J	13A	1946	A -21 1275
83		8.0R	47 27.597	-0.0012	17	-29 34 29.38	-0.022	17	0.31	27.617	16	33.5	29.01	16	33.5	K5 M	13B	2555	J -29 2518
84		8.7R	47 30.598	-0.0015	18	-22 14 26.85	-0.005	18	0.34	30.622	16	33.5	26.77	16	33.5	K2 J	14	3007	E -22 2514
85		8.8R	47 31.524	-0.0013	18	-22 10 50.83	0.022	18	0.34	31.544	16	33.5	51.19	16	33.5	K2 M	14	3008	E -22 2515
86		9.1R	47 31.941	0.0002	20	-29 9 5.09	0.037	20	0.36	31.938	16	33.5	5.70	16	33.5	A0 J	13B	2556	J -29 2519
87		8.1R	47 35.440	-0.0015	18	-26 21 43.37	-0.068	18	0.34	35.465	16	33.5	42.25	16	33.5	A0 J	14	3009	E -26 2497
88		8.8R	47 42.119	0.0020	17	-28 34 49.49	0.019	17	0.31	42.086	16	33.5	49.80	16	33.5	K0 M	13B	2558	J -28 2485
89		9.2R	47 43.815	-0.0014	12	-24 17 45.52	-0.048	12	0.25	43.838	16	33.5	44.72	16	33.5	F2 M	14	3010	E -24 3466
90		9.1A	47 45.879	0.0013	17	-21 38 42.37	-0.049	12	0.28	45.857	16	33.5	41.56	16	33.5	F5 J	13A	1949	A -21 1276
91		8.4A	47 47.003	0.0005	18	-20 21 25.05	0.000	13	0.30	46.995	16	33.5	25.05	16	33.5	K0 J	13A	1948	A -20 1203
92		5.8T	47 48.118	-0.0014	05	-22 59 8.37	0.024	04	0.25	48.180	10	03.9	9.58	10	00.2	A2	GC	7325	C -23 3135
93		9.2A	47 53.549	-0.0019	18	-21 25 9.11	0.019	15	0.31	53.580	16	33.5	9.42	16	33.5	F2 J	13A	1951	A -21 1277
94		8.3R	47 55.001	0.0043	15	-25 0 47.80	0.064	15	0.29	54.931	16	33.5	48.86	16	33.5	F2 J	14	3012	E -25 2704
95		9.5R	47 57.308	-0.0004	18	-25 3 13.26	0.033	18	0.34	57.314	16	33.5	13.81	16	33.5	G5 M	14	3013	E -25 2705
96		9.1A	47 58.016	-0.0015	15	-20 6 28.00	0.008	11	0.26	58.042	16	33.5	28.14	16	33.5	A0 J	13A	1952	A -20 1205
97		8.5R	47 58.641	-0.0003	20	-27 34 13.26	0.065	20	0.36	58.646	16	33.5	14.33	16	33.5	K0 J	13B	2560	J -27 2529
98		8.7R	48 9.805	-0.0006	18	-24 7 26.88	-0.020	18	0.34	9.814	16	33.5	26.55	16	33.5	K2 J	14	3014	E -24 3473
99		8.3R	48 12.242	-0.0020	20	-25 47 46.79	0.053	20	0.36	12.275	16	33.5	47.67	16	33.5	K0 J	14	3015	E -25 2713
00		9.1R	48 16.980	0.0001	13	-29 13 43.07	0.015	13	0.27	16.978	16	33.5	43.31	16	33.5	K0 M	13B	2563	J -29 2528

170900

EPOCH 1950 — ORIGINAL EPOCH — SOURCE — -20° 5H

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	α_{1950} h m s	μ_α s	σ_{μ_α} ″.001	δ_{1950} ° ′ ″	μ_δ ″	σ_{μ_δ} ″.001	σ_{1950} ″	α_2 s	σ_{α_2} ″.01	ep.	δ_2 ″	σ_{δ_2} ″.01	ep.	SP.	CAT.	STAR NUMBER	DM NUMBER
1		9.0R	5 48 19.688	-0.0045	20	-26 54 33.66	-0.011	20	0.36	19.762	16	33.5	33.48	16	33.5	G0 M	14	3020	E -26 2507
2		9.0R	48 20.726	0.0002	18	-23 14 54.73	0.011	18	0.34	20.722	16	33.5	34.92	16	33.5	A2 J	14	3016	E -23 3146
3		9.4R	48 20.905	-0.0005	20	-27 16 21.68	0.059	20	0.36	20.913	16	33.5	22.65	16	33.5	G5 M	13B	2564	J -27 2533
4		9.3R	48 22.053	0.0003	20	-28 3 5.72	0.054	20	0.36	22.048	16	33.5	6.61	16	33.5	F8 M	13B	2567	J -28 2496
5		8.9R	48 22.200	-0.0003	18	-24 21 16.44	0.022	18	0.34	22.205	16	33.5	16.80	16	33.5	G5 M	14	3018	E -24 3479
6		8.7R	48 23.497	0.0020	15	-22 34 51.71	0.043	12	0.27	23.464	16	33.5	52.43	16	33.5	G5 J	14	3017	E -22 2524
7		9.0R	48 26.063	-0.0007	20	-26 37 44.08	0.008	17	0.34	26.074	16	33.5	44.22	16	33.5	K0 M	14	3021	E -26 2508
8		9.1A	48 30.181	-0.0002	17	-21 52 4.17	-0.002	12	0.28	30.184	16	33.5	4.14	16	33.5	A0 J	13A	1956	A -21 1280
9		9.2R	48 32.099	0.0009	18	-24 34 51.29	0.020	18	0.34	32.085	16	33.5	51.62	16	33.5	G5 M	14	3022	E -24 3483
10		9.3R	48 37.359	0.0018	18	-23 14 54.01	0.011	18	0.34	37.328	16	33.5	54.20	16	33.5	F5 J	14	3023	E -23 3151
11		8.7R	48 39.395	0.0005	20	-29 51 36.82	0.019	20	0.36	39.386	16	33.5	37.12	16	33.5	F2 J	13B	2569	J -29 2539
12		8.6R	48 45.599	0.0038	20	-25 44 27.17	0.037	20	0.36	45.537	16	33.5	27.78	16	33.5	G5 J	14	3025	E -25 2719
13		8.9R	48 46.289	-0.0007	18	-24 21 9.59	0.016	18	0.34	46.299	16	33.5	9.85	16	33.5	F2 J	14	3024	E -24 3485
14		8.2M	48 48.529	0.0015	20	-29 7 31.89	0.155	20	0.36	48.605	16	33.5	34.61	16	33.5	G5 J	13B	2573	J -29 2540
15		8.5R	48 52.863	0.0038	20	-29 6 55.85	-0.004	20	0.36	52.800	16	33.5	55.78	16	33.5	K0 M	13B	2577	J -29 2541
16		8.9R	48 54.177	-0.0017	20	-26 44 47.98	0.020	20	0.36	54.204	16	33.5	48.31	16	33.5	K0 J	14	3027	E -26 2513
17		9.0R	48 54.337	0.0010	13	-29 10 54.99	0.036	13	0.27	54.321	16	33.5	55.58	16	33.5	G5 M	13B	2578	J -29 2542
18		8.7R	48 55.280	0.0000	18	-22 13 26.29	0.064	18	0.34	55.279	16	33.5	27.34	16	33.5	K5 J	14	3026	E -22 2527
19		8.5R	48 58.132	-0.0011	20	-25 53 12.51	0.015	20	0.36	58.151	16	33.5	12.56	16	33.5	A2 J	14	3028	E -25 2722
20		8.7R	49 1.750	-0.0029	20	-26 31 25.16	0.040	20	0.36	1.797	16	33.5	25.82	16	33.5	K2 J	14	3031	E -26 2515
21		8.4R	49 5.629	0.0005	20	-23 25 54.09	-0.007	20	0.36	5.620	16	33.5	53.98	16	33.5	A2 J	14	3029	E* -23 3160
22		9.1R	49 6.542	0.0005	18	-22 47 8.58	0.033	18	0.34	6.533	16	33.5	9.13	16	33.5	A2 J	14	3030	E -22 2531
23		8.4R	49 7.144	-0.0027	20	-25 42 21.62	0.042	20	0.36	7.188	16	33.5	22.31	16	33.5	K0 J	14	3032	E -25 2724
24		8.7A	49 8.344	-0.0003	18	-20 18 26.57	0.031	13	0.30	8.348	16	33.5	27.09	16	33.5	K2 J	13A	1959	A -20 1210
25		9.0R	49 9.563	0.0021	20	-28 11 46.37	-0.015	20	0.36	9.529	16	33.5	46.12	16	33.5	G5 M	13B	2581	J -28 2506
26		3.9H	49 10.193	0.0160	02	-20 52 55.23	-0.650	02	0.08	9.590	04	12.3	32.37	04	14.8	K0	F4	222	-20 1211
27		9.0R	49 14.525	0.0039	20	-28 26 11.88	0.023	20	0.36	14.461	16	33.5	12.26	16	33.5	K5 M	13B	2582	J -28 2508
28		8.7R	49 19.033	-0.0024	18	-24 2 19.63	0.001	18	0.34	19.072	16	33.5	19.64	16	33.5	F5 J	14	3033	E -24 3491
29		9.3R	49 20.924	-0.0004	18	-24 18 0.70	0.011	15	0.31	20.931	16	33.5	0.87	16	33.5	A0 J	14	3034	E -24 3492
30		9.0R	49 21.872	0.0023	20	-27 47 43.41	0.003	20	0.36	21.835	16	33.5	43.46	16	33.5	F0 M	13B	2583	J -27 2545
31		6.1T	49 23.145	-0.0004	12	-22 56 15.16	-0.019	10	0.62	23.164	17	96.4	14.10	15	93.1	K0	GC	7371	-22 1246
32		9.2R	49 26.653	-0.0038	15	-24 59 12.63	0.034	15	0.29	26.716	16	33.5	13.19	16	33.5	F5 M	14	3037	E -25 2727
33		8.7Q	49 28.353	-0.0025	09	-20 50 52.78	-0.006	09	0.46	28.472	18	02.8	52.38	17	01.7	G5	GC	7373	-20 1213
34		8.6A	49 29.402	-0.0003	17	-21 38 4.60	-0.006	12	0.28	29.407	16	33.5	4.50	16	33.5	M1 J	13A	1965	A -21 1284
35		8.5R	49 31.834	-0.0042	20	-28 21 7.58	-0.023	20	0.36	31.903	16	33.5	7.20	16	33.5	A0 J	13B	2584	J -28 2512
36		8.6R	49 32.557	0.0003	18	-22 2 22.97	-0.005	18	0.34	32.552	16	33.5	22.89	16	33.5	A2 J	14	3038	E -22 2537
37		9.0R	49 34.806	-0.0001	20	-29 34 49.95	-0.004	20	0.36	34.807	16	33.5	49.88	16	33.5	A5 J	13B	2585	J -29 2545
38		9.2R	49 47.424	-0.0009	12	-28 59 41.36	-0.012	12	0.25	47.440	16	33.5	41.16	16	33.5	G0 M	13B	2588	J -29 2548
39		9.1R	49 49.311	-0.0027	13	-29 50 19.80	-0.055	13	0.27	49.355	16	33.5	18.89	16	33.5	K5 M	13B	2590	J -29 2550
40		9.6R	49 51.603	-0.0013	18	-24 53 59.83	-0.002	18	0.34	51.624	16	33.5	59.80	16	33.5	K0 M	14	3040	E -24 3495
41		7.1T	49 51.947	-0.0021	13	-25 13 48.37	-0.015	12	0.69	52.053	18	99.3	47.58	18	97.3	A2	GC	7382	C -25 2731
42		9.2R	49 56.931	-0.0013	18	-24 10 16.91	-0.000	18	0.34	56.952	16	33.5	16.90	16	33.5	K0 M	14	3042	E -24 3498
43		9.0R	49 57.337	0.0007	18	-24 18 26.74	-0.018	18	0.34	57.325	16	33.5	26.44	16	33.5	K0 J	14	3043	E -24 3499
44		9.3R	49 58.425	-0.0007	13	-24 27 1.52	-0.006	13	0.27	58.435	16	33.5	1.42	16	33.5	A3 J	14	3044	E -24 3501
45		6.5T	50 3.538	-0.0007	13	-29 27 35.19	0.019	13	0.69	3.573	15	99.2	36.17	18	97.9	K0	GC	7385	C -29 2556
46		6.9T	50 5.734	0.0150	13	-25 57 16.56	0.050	12	0.70	4.963	18	98.7	19.26	18	96.3	G5	GC	7387	C* -25 2734
47		8.6A	50 8.666	0.0005	13	-21 52 24.48	-0.103	11	0.25	8.657	16	33.5	22.78	16	33.5	F5 J	13A	1970	A -21 1287
48		9.0R	50 8.662	0.0001	15	-26 30 56.18	0.000	15	0.29	8.660	16	33.5	56.18	16	33.5	K0 J	14	3047	E -26 2529
49		9.5R	50 8.968	-0.0030	15	-24 6 55.35	-0.024	15	0.29	9.017	16	33.5	54.95	16	33.5	F5 M	14	3046	E -24 3503
50		9.1A	50 16.904	-0.0024	15	-21 31 48.75	0.012	11	0.26	16.943	16	33.5	48.95	16	33.5	G0 J	13A	1971	A -21 1289
51		9.2R	5 50 18.132	-0.0004	18	-27 29 55.31	0.010	18	0.34	18.138	16	33.5	55.48	16	33.5	G5 M	13B	2593	J -27 2558
52		8.7R	50 18.759	0.0026	20	-28 40 1.65	-0.022	20	0.36	18.717	16	33.5	1.29	16	33.5	G0 J	13B	2594	J -28 2525
53		8.0R	50 23.125	0.0000	18	-26 18 6.70	-0.011	18	0.34	23.125	16	33.5	6.52	16	33.5	A0 J	14	3049	E -26 2532
54		9.1R	50 25.518	-0.0013	18	-23 17 2.69	-0.027	18	0.34	25.540	16	33.5	2.25	16	33.5	G5 J	14	3048	E -23 3188
55		9.0R	50 26.558	-0.0029	20	-29 19 31.71	0.007	20	0.36	26.605	16	33.5	31.82	16	33.5	A0 J	13B	2595	J -29 2563
56		8.5A	50 26.771	0.0002	17	-21 40 23.62	-0.009	12	0.28	26.768	16	33.5	23.47	16	33.5	K0 J	13A	1973	A -21 1290
57		9.1A	50 27.777	-0.0011	18	-20 48 16.18	0.015	13	0.30	27.795	16	33.5	16.42	16	33.5	F0 J	13A	1972	A -20 1217
58		8.9R	50 38.826	0.0006	20	-28 12 9.24	0.045	20	0.36	38.816	16	33.5	9.98	16	33.5	G5 J	13B	2597	J -28 2532
59		9.1R	50 41.521	-0.0003	18	-23 37 30.95	-0.016	18	0.34	41.525	16	33.5	30.68	16	33.5	G5 J	14	3050	E -23 3196
60		9.1R	50 44.879	0.0022	18	-27 18 58.69	-0.009	18	0.34	44.841	16	33.5	58.55	16	33.5	A0 J	13B	2598	J -27 2564
61		9.4R	50 46.165	0.0025	15	-25 2 38.99	0.011	15	0.29	46.124	16	33.5	39.18	16	33.5	F8 M	14	3051	E -25 2744
62		9.5R	50 51.971	-0.0011	20	-24 52 43.47	0.017	20	0.36	51.990	16	33.5	43.75	16	33.5	G0 M	14	3052	E -24 3514
63		8.5R	50 52.830	-0.0006	15	-24 26 51.25	0.020	15	0.29	52.839	16	33.5	51.58	16	33.5	K0 J	14	3053	E -24 3513
64		9.0R	50 55.759	0.0033	17	-29 2 34.58	0.008	17	0.31	55.706	16	33.5	34.70	16	33.5	A7 M	13B	2600	J -29 2574
65		9.5R	51 2.887	0.0021	12	-24 31 53.90	-0.063	12	0.25	2.853	16	33.5	52.86	16	33.5	G5 M	14	3056	E -24 3517
66		9.2R	51 5.262	0.0013	15	-22 28 49.32	0.025	15	0.29	5.240	16	33.5	49.73	16	33.5	F5 J	14	3055	E -22 2556
67		8.8R	51 8.730	0.0017	18	-25 49 11.00	-0.014	18	0.34	8.702	16	33.5	10.77	16	33.5	K0 M	14	3057	E -25 2748
68		8.8A	51 8.796	0.0015	17	-21 49 24.00	-0.018	12	0.28	8.772	16	33.5	23.71	16	33.5	K2 J	13A	1977	A -21 1294
69		9.3R	51 8.916	-0.0011	18	-27 28 11.81	0.025	18	0.34	8.934	16	33.5	12.23	16	33.5	G0 M	13B	2601	J -27 2570
70		8.5R	51 15.095	-0.0009	15	-22 22 51.30	0.012	15	0.29	15.110	16	33.5	51.50	16	33.5	B9 J	14	3058	E -22 2558
71		8.1A	51 19.855	-0.0030	18	-20 9 15.85	0.014	13	0.30	19.905	16	33.5	16.09	16	33.5	K5 J	13A	1979	A -20 1221
72		9.1R	51 19.960	-0.0009	18	-24 23 58.19	-0.001	18	0.34	19.975	16	33.5	58.17	16	33.5	A5 M	14	3151	E -24 3597
73		9.2R	51 20.378	0.0002	17	-29 45 39.84	0.026	17	0.31	20.374	16	33.5	40.26	16	33.5	A2 J	13B	2605	J -29 2582
74		9.0R	51 21.922	-0.0001	18	-23 8 6.84	-0.007	18	0.34	21.923	16	33.5	6.73	16	33.5	M3 M	14	3059	E -23 3206
75		9.0R	51 24.498	-0.0004	15	-27 55 36.27	-0.051	15	0.29	24.505	16	33.5	35.43	16	33.5	F8 M	13B	2606	J -27 2573
76		9.1R	51 25.003	-0.0013	18	-24 39 35.98	-0.003	18	0.34	25.025	16	33.5	35.93	16	33.5	A0 J	14	3060	E -24 3520
77		8.9R	51 37.737	-0.0000	20	-28 21 16.17	0.025	20	0.36	37.738	16	33.5	16.58	16	33.5	F5 J	13B	2608	J -28 2540
78		9.0R	51 41.163	-0.0019	20	-28 55 51.32	0.024	20	0.36	41.195	16	33.5	51.71	16	33.5	K0 M	13B	2609	J -28 2541
79		9.4R	51 42.491	0.0048	18	-25 57 32.90	-0.001	18	0.34	42.413	16	33.5	32.89	16	33.5	F8 M	14	3061	E -25 2756
80		9.1R	51 43.328	0.0026	20	-29 13 35.87	0.014	20	0.36	43.286	16	33.5	36.09	16	33.5	A5 M	13B	2610	J -29 2587
81		9.5R	51 50.261	-0.0062	18	-23 10 33.10	-0.015	18	0.34	50.363	16	33.5	32.86	16	33.5	G5 J	14	3062	E -23 3213
82		8.9R	51 50.304	-0.0036	20	-29 0 57.19	-0.082	20	0.36	50.364	16	33.5	55.84	16	33.5	K0 J	13B	2611	J -29 2588
83		8.9A	51 52.907	0.0006	20	-20 53 37.20	-0.001	15	0.33	52.897	16	33.5	37.17	16	33.5	K2 J	13A	1982	A -20 1225
84		9.2R	51 55.403	0.0025	18	-26 17 39.36	-0.009	18	0.34	55.362	16	33.5	39.21	16	33.5	F0 M	14	3064	E -26 2548
85		9.3R	51 57.684	0.0006	13	-24 18 52.01	-0.008	13	0.27	57.674	16	33.5	51.87	16	33.5	K0 J	14	3063	E -24 3526
86		9.2R	51 59.360	-0.0008	18	-29 0 15.06	0.001	18	0.34	59.373	16	33.5	15.07	16	33.5	K0 M	13B	2615	J -29 2589
87		8.7R	52 3.749	0.0022	17	-29 46 1.37	0.016	17	0.31	3.712	16	33.5	1.62	16	33.5	K5 J	13B	2617	J -29 2590
88		8.9R	52 10.015	0.0013	15	-25 55 14.57	0.025	15	0.29	9.995	16	33.5	14.98	16	33.5	A0 J	14	3067	E -25 2766
89		8.1R	52 10.154	-0.0029	15	-25 3 8.70	0.010	15	0.29	10.203	16	33.5	8.87	16	33.5	G5 J	14	3066	E -25 2764
90		8.7R	52 11.969	0.0005	20	-29 6 40.25	0.057	20	0.36	11.961	16	33.5	41.18	16	33.5	F5 J	13B	2619	J -29 2592
91		9.5R	52 15.437	0.0017	18	-27 55 25.73	0.006	18	0.34	15.409	16	33.5	25.83	16	33.5	K0 M	13B	2620	J -27 2583
92		8.1R	52 17.298	-0.0016	20	-25 32 6.16	0.026	20	0.36	17.325	16	33.5	6.59	16	33.5	A3 J	14	3068	E -25 2768
93		6.2T	52 17.648	-0.0019	11	-29 9 18.55	-0.052	10	0.59	17.752	17	95.5	15.59	17	93.3	F2	GC	7446	C -29 2595
94		9.0R	52 18.935	-0.0030	17	-25 53 36.88	0.057	17	0.31	18.985	16	33.5	37.82	16	33.5	F5 M	14	3069	E -25 2769
95		9.1R	52 27.537	-0.0005	18	-27 7 16.40	-0.002	18	0.34	27.545	16	33.5	16.37	16	33.5	G5 M	13B	2622	J -27 2586
96		9.7R	52 27.906	0.0027	18	-24 27 53.09	-0.005	18	0.34	27.861	16	33.5	53.00	16	33.5	F5 M	14	3072	E -24 3533
97		9.0R	52 30.796	0.0020	18	-22 23 19.24	0.052	18	0.34	30.763	16	33.5	20.10	16	33.5	K0 M	14	3071	E -22 2569
98		8.5R	52 31.631	0.0026	20	-25 15 42.99	-0.003	20	0.36	31.588	16	33.5	42.94	16	33.5	K5 J	14	3073	E -25 2772
99		8.2A	52 36.640	-0.0001	15	-21 17 17.45	0.004	11	0.26	36.643	16	33.5	17.52	16	33.5	K5 J	13A	1986	A -21 1298
00		8.9R	52 37.817	-0.0009	15	-22 50 40.01	-0.004	15	0.29	37.833	16	33.5	39.94	16	33.5	A2 J	14	3074	E -22 2574

171000

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ_α s	σ_{μ_α} .001"	δ_{1950} ° ′ ″	μ_δ ″	σ_{μ_δ} .001"	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ .01"	ep.	δ_2 ″	σ' .01"	ep.	SP.	CAT.	STAR NUMBER	-20° 5H DM NUMBER
1		6.8T	5 52 39.086	-0.0009	12	-26 40 6.00	0.060	11	0.65	39.134	18	98.9	9.26	17	95.8	A3	GC	7454	C -26 2558
2		9.2R	52 40.703	0.0030	20	-26 49 51.33	-0.005	20	0.36	40.653	16	33.5	51.25	16	33.5	K0 M	14	3077	E -26 2559
3		9.2R	52 41.444	-0.0004	18	-25 35 4.69	-0.096	18	0.34	41.450	16	33.5	3.11	16	33.5	F5 J	14	3076	E -25 2773
4		8.5R	52 47.176	-0.0066	18	-25 27 7.67	-0.051	18	0.34	47.285	16	33.5	6.83	16	33.5	G0 J	14	3078	E -25 2774
5		8.9R	52 50.227	-0.0036	18	-23 57 34.54	-0.025	18	0.34	50.285	16	33.5	34.12	16	33.5	K0 J	14	3079	E -23 3230
6		9.0R	53 2.751	-0.0005	18	-22 25 4.88	0.008	18	0.34	2.760	16	33.5	5.01	16	33.5	K0 M	14	3082	E -22 2577
7		9.0A	53 3.257	-0.0009	17	-20 15 50.85	0.076	13	0.29	3.272	16	33.5	52.11	16	33.5	K2 J	13A	1987	A -20 1229
8		8.8R	53 8.218	0.0014	18	-26 49 40.04	-0.007	18	0.34	8.195	16	33.5	39.93	16	33.5	K5 M	14	3084	E -26 2565
9		8.6R	53 9.056	0.0007	12	-29 5 22.79	0.004	12	0.25	9.045	16	33.5	22.85	16	33.5	K0 J	13B	2626	J -29 2602
10		8.4R	53 10.229	0.0005	17	-28 42 28.42	-0.001	17	0.31	10.221	16	33.5	28.41	16	33.5	K0 M	13B	2627	J -28 2555
11		8.5R	53 11.125	-0.0002	17	-29 43 13.23	-0.010	17	0.31	11.129	16	33.5	13.39	16	33.5	F8 J	13B	2628	J -29 2604
12		9.2R	53 11.267	0.0022	12	-24 33 21.31	-0.013	12	0.25	11.231	16	33.5	21.10	16	33.5	K0 J	14	3083	E -24 3543
13		9.1R	53 14.768	0.0021	15	-24 37 59.90	-0.004	15	0.29	14.734	16	33.5	59.84	16	33.5	K0 J	14	3085	E -24 3545
14		9.3R	53 23.084	-0.0011	18	-22 39 21.55	-0.037	18	0.34	23.102	16	33.5	20.94	16	33.5	F2 J	14	3086	E -22 2581
15		8.5R	53 23.601	-0.0039	18	-25 8 47.76	0.015	18	0.34	23.665	16	33.5	48.01	16	33.5	K0 J	14	3089	E -25 2783
16		8.8R	53 25.703	-0.0036	12	-27 56 28.22	0.016	12	0.25	25.762	16	33.5	28.48	16	33.5	F5 J	13B	2630	J -27 2595
17		9.3R	53 30.221	-0.0018	12	-22 46 10.13	0.011	12	0.25	30.251	16	33.5	10.31	16	33.5	A5 M	14	3090	E -22 2582
18		7.6R	53 37.731	-0.0015	13	-28 57 36.84	0.009	13	0.27	37.756	16	33.5	36.98	16	33.5	M3 M	13B	2631	J -28 2562
19		9.1R	53 39.074	0.0010	18	-23 44 20.72	-0.002	18	0.34	39.057	16	33.5	20.68	16	33.5	A2 J	14	3091	E -23 3247
20		7.4R	53 41.272	0.0008	17	-29 55 26.70	0.095	17	0.31	41.259	16	33.5	28.26	16	33.5	F8 J	13B	2632	J -29 2614
21		7.5R	53 42.747	0.0004	12	-29 8 36.75	-0.028	12	0.25	42.741	16	33.5	36.28	16	33.5	F2 J	13B	2633	J -29 2613
22	9.1	8.5W	53 42.966	0.0027	21	-29 58 23.11	0.032	21	0.43	42.918	22	32.1	23.68	21	32.1	K0	C7	2439	C -29 2615
23		6.8T	53 45.581	-0.0012	16	-21 41 40.39	-0.116	14	0.76	45.639	17	01.4	34.56	17	99.8	G0	GC	7480K	-21 1304
24		9.0R	53 45.741	-0.0000	12	-22 7 55.48	0.006	12	0.25	45.741	16	33.5	55.58	16	33.5	K7 M	14	3093	E -22 2586
25		9.1A	53 49.632	0.0003	20	-22 45 45.32	-0.034	15	0.33	49.627	16	33.5	44.76	16	33.5	F8 J	13A	1995	A -22 1266
26		8.9A	53 50.932	-0.0006	18	-21 23 20.75	-0.022	13	0.30	50.942	16	33.5	20.38	16	33.5	M1 J	13A	1994	A -21 1305
27		9.2R	53 53.003	-0.0007	15	-24 51 47.64	-0.012	15	0.29	53.015	16	33.5	47.45	16	33.5	A5 J	14	3095	E -24 3552
28		9.2R	53 53.362	-0.0013	18	-23 27 2.01	-0.037	18	0.34	53.384	16	33.5	1.40	16	33.5	F8 J	14	3094	E -23 3253
29		9.0R	53 53.507	-0.0022	15	-27 20 32.55	-0.016	12	0.27	53.542	16	33.5	32.29	16	33.5	K0 M	13B	2635	J -27 2606
30		9.0R	54 1.558	0.0019	13	-29 52 29.79	-0.006	13	0.27	1.526	16	33.5	29.68	16	33.5	B9 J	13B	2637	J -29 2618
31		7.0T	54 2.700	0.0009	13	-21 7 42.94	0.049	12	0.69	2.656	19	99.5	45.46	19	98.2	A0	GC	7490	-21 1307
32		8.5R	54 5.313	0.0090	18	-22 16 23.82	0.033	18	0.34	5.165	16	33.5	24.36	16	33.5	F8 J	14	3096	E -22 2592
33		8.8R	54 6.837	0.0076	18	-26 49 41.98	-0.008	18	0.34	6.712	16	33.5	41.85	16	33.5	G5 J	14	3098	E -26 2575
34		6.0T	54 8.245	0.0082	16	-22 50 46.97	0.021	15	0.81	7.829	18	99.5	48.05	18	99.2	K0	GC	7494	-22 1269
35		9.5R	54 9.484	0.0003	20	-24 56 21.61	-0.021	20	0.36	9.479	16	33.5	21.27	16	33.5	F0 M	14	3099	E -24 3556
36		9.3R	54 11.730	0.0000	20	-24 6 8.03	-0.005	20	0.36	11.730	16	33.5	7.94	16	33.5	K0 M	14	3100	E -24 3555
37		7.6R	54 14.354	-0.0008	15	-24 5 41.20	-0.009	15	0.29	14.367	16	33.5	41.05	16	33.5	K5 J	14	3101	E -24 3557
38		8.7A	54 15.946	0.0038	18	-20 2 31.26	-0.103	13	0.30	15.884	16	33.5	29.57	16	33.5	G0 J	13A	2001	A -20 1232
39		8.9A	54 15.959	-0.0008	18	-20 20 18.48	-0.040	13	0.30	15.972	16	33.5	19.15	16	33.5	A5 J	13A	2002	A -20 1233
40		9.0R	54 16.482	-0.0014	18	-23 22 50.57	-0.030	18	0.34	16.505	16	33.5	50.09	16	33.5	G0 J	14	3103	E -23 3259
41		9.1R	54 16.601	-0.0007	18	-22 39 20.00	0.014	18	0.34	16.612	16	33.5	20.23	16	33.5	B8 J	14	3102	E -22 2595
42		9.3R	54 19.859	-0.0013	18	-24 40 26.03	-0.005	18	0.34	19.880	16	33.5	25.95	16	33.5	G0 J	14	3104	E -24 3558
43		8.9R	54 23.639	-0.0017	18	-23 24 36.75	-0.006	18	0.34	23.667	16	33.5	36.66	16	33.5	K0 J	14	3105	E -23 3262
44		9.0A	54 27.096	-0.0016	18	-20 6 43.10	-0.013	13	0.30	27.123	16	33.5	42.89	16	33.5	G0 J	13A	2004	A -20 1234
45		6.4T	54 29.323	0.0006	12	-23 13 16.62	0.025	12	0.68	29.289	17	96.8	18.02	17	94.6	K0	GC	7500	C -23 3263
46		8.4R	54 32.540	0.0015	18	-26 31 45.86	-0.007	18	0.34	32.514	16	33.5	45.75	16	33.5	F0 J	14	3108K	E -26 2584
47		8.8R	54 33.594	-0.0021	18	-26 45 43.67	-0.012	18	0.34	33.629	16	33.5	43.48	16	33.5	A2 J	14	3109	E -26 2586
48		8.9R	54 33.890	-0.0017	18	-27 3 40.15	0.021	18	0.34	33.918	16	33.5	40.50	16	33.5	F8 J	13B	2640	J -27 2611
49		9.2R	54 40.469	-0.0009	12	-27 26 44.01	-0.021	12	0.25	40.484	16	33.5	43.67	16	33.5	G5 M	13B	2642	J -27 2613
50		9.2R	54 40.686	0.0000	15	-22 18 13.90	0.005	15	0.29	40.685	16	33.5	13.98	16	33.5	B8 J	14	3110	E -22 2604
51		8.4R	5 54 42.096	-0.0024	17	-28 29 8.25	-0.005	17	0.31	42.135	16	33.5	8.17	16	33.5	K2 J	13B	2644	J -28 2585
52		8.9A	54 45.177	0.0014	17	-21 47 13.31	0.006	12	0.28	45.154	16	33.5	13.41	16	33.5	F0 J	13A	2007	A -21 1312
53		8.9A	54 46.222	-0.0019	18	-20 40 39.99	-0.012	13	0.30	46.253	16	33.5	39.79	16	33.5	A0 J	13A	2006	A -20 1236
54		9.3R	54 51.458	0.0008	18	-25 6 23.08	0.008	18	0.34	51.445	16	33.5	23.22	16	33.5	K M	14	3111	E -25 2802
55		9.5R	54 57.839	0.0030	20	-24 2 12.06	-0.006	20	0.36	57.789	16	33.5	11.95	16	33.5	K0 M	14	3112	E -24 3562
56		8.8R	55 0.824	0.0000	18	-26 12 45.57	-0.012	18	0.34	0.824	16	33.5	45.77	16	33.5	A5 J	14	3113	E -26 2594
57		8.1R	55 1.902	-0.0002	17	-28 45 49.03	-0.032	12	0.28	1.905	16	33.5	48.51	16	33.5	K0 J	13B	2645	J -28 2589
58		9.4R	55 5.254	-0.0000	20	-24 52 1.15	-0.029	20	0.36	5.254	16	33.5	0.68	16	33.5	A5 M	14	3114	E -24 3564
59		9.6R	55 6.606	-0.0029	20	-24 22 31.99	0.024	20	0.36	6.654	16	33.5	32.38	16	33.5	F8 M	14	3115	E -24 3563
60		9.5R	55 12.105	-0.0002	18	-23 46 27.79	-0.009	18	0.34	12.108	16	33.5	27.64	16	33.5	G5 M	14	3116	E -23 3277
61		8.5A	55 13.902	-0.0005	18	-21 3 49.96	0.031	13	0.30	13.911	16	33.5	50.47	16	33.5	K0 J	13A	2009	A -21 1313
62		8.4R	55 16.658	0.0026	17	-28 53 6.74	-0.093	17	0.31	16.616	16	33.5	5.21	16	33.5	F5 J	13B	2648	J -28 2591
63		8.5R	55 18.476	0.0013	17	-28 26 43.04	0.155	17	0.31	18.454	16	33.5	45.59	16	33.5	G5 J	13B	2651	J -28 2592
64		8.2R	55 18.857	-0.0022	12	-24 58 15.37	0.031	12	0.25	18.894	16	33.5	15.88	16	33.5	F5 J	14	3119	E -24 3567
65		8.3T	55 19.677	-0.0012	13	-27 20 8.34	-0.015	12	0.70	19.735	21	99.2	7.57	19	97.9	G5	GC	7518K	C -27 2620
66		9.0R	55 22.047	0.0008	12	-24 32 42.08	0.012	12	0.25	22.034	16	33.5	42.28	16	33.5	K2 M	14	3120	E -24 3568
67		9.5R	55 22.234	-0.0020	15	-22 12 7.16	0.025	15	0.29	22.267	16	33.5	7.57	16	33.5		14	3117	E -22 2614
68		9.4R	55 23.028	0.0063	18	-22 10 47.29	-0.170	18	0.34	22.924	16	33.5	44.49	16	33.5	F5 J	14	3118	E -22 2613
69		8.6R	55 29.761	-0.0018	15	-27 46 7.72	0.033	15	0.29	29.790	16	33.5	8.26	16	33.5	G5 J	13B	2653	J -27 2624
70		8.7A	55 32.730	-0.0016	18	-20 32 34.34	-0.031	13	0.30	32.757	16	33.5	33.82	16	33.5	F5 J	13A	2012	A -20 1239
71		9.7R	55 34.218	0.0022	18	-22 25 43.83	0.030	18	0.34	34.182	16	33.5	44.32	16	33.5	F5 J	14	3121	E -22 2616
72		9.3R	55 34.416	-0.0018	12	-28 15 4.84	0.017	12	0.25	34.446	16	33.5	5.12	16	33.5	K0 M	13B	2655	J -28 2599
73		9.4R	55 38.842	0.0002	12	-22 41 59.33	0.007	12	0.25	38.838	16	33.5	59.45	16	33.5	G0 J	14	3123	E -22 2617
74		9.0R	55 41.110	0.0009	15	-27 41 57.69	0.005	15	0.29	41.096	16	33.5	57.77	16	33.5	K0 J	13B	2656	J -27 2627
75		8.9R	55 42.259	-0.0004	15	-24 11 50.98	-0.002	15	0.29	42.265	16	33.5	50.94	16	33.5	A3 J	14	3124	E -24 3572
76		8.5R	55 50.349	-0.0002	17	-29 11 12.51	0.030	17	0.31	50.352	16	33.5	13.01	16	33.5	K0 J	13B	2658	J -29 2642
77		9.5R	55 52.987	-0.0006	20	-24 26 11.69	-0.017	20	0.36	52.996	16	33.5	11.40	16	33.5	K0 M	14	3125	E -24 3574
78		8.6R	55 53.115	-0.0008	18	-26 50 26.31	-0.023	15	0.31	53.128	16	33.5	25.93	16	33.5	K5 J	14	3126	E -26 2605
79		8.7A	55 53.899	-0.0012	15	-21 29 9.49	0.014	11	0.26	53.919	16	33.5	9.71	16	33.5	F0 J	13A	2014	A -21 1314
80		9.6R	56 1.188	-0.0005	18	-22 0 7.58	-0.012	18	0.34	1.195	16	33.5	7.38	16	33.5	G5 M	14	3127	E -22 2619
81		9.4R	56 3.741	-0.0027	18	-23 0 52.62	-0.018	18	0.34	3.786	16	33.5	52.33	16	33.5	F0 M	14	3128	E -23 3288
82		8.9R	56 4.906	-0.0035	18	-23 47 47.56	-0.017	18	0.34	4.963	16	33.5	47.28	16	33.5	K0 J	14	3129	E -23 3291
83		8.7R	56 9.468	-0.0007	12	-28 31 39.45	0.026	12	0.25	9.480	16	33.5	39.88	16	33.5	F0 J	13B	2659	J -28 2608
84		8.9R	56 14.360	0.0002	12	-25 14 19.43	0.018	12	0.25	14.356	16	33.5	19.73	16	33.5	A2 J	14	3131	E -25 2823
85		9.1R	56 14.532	-0.0000	12	-24 45 51.25	-0.003	12	0.25	14.533	16	33.5	51.20	16	33.5	K0 M	14	3130	E -24 3578
86		9.1A	56 15.554	-0.0031	18	-20 38 55.94	0.023	13	0.30	15.605	16	33.5	56.31	16	33.5	A2 J	13A	2017	A -20 1241
87		8.4R	56 17.964	0.0007	18	-26 12 30.53	0.019	18	0.34	17.953	16	33.5	30.85	16	33.5	K0 J	14	3133	E -26 2612
88		7.5R	56 18.059	-0.0019	17	-29 6 47.22	0.002	17	0.31	18.091	16	33.5	47.25	16	33.5	K0 J	13B	2662	J -29 2646
89		8.1R	56 20.413	-0.0031	12	-27 59 10.04	0.009	12	0.25	20.465	16	33.5	10.19	16	33.5	G5 J	13B	2663	J -27 2633
90		7.6A	56 27.707	0.0070	18	-21 32 51.18	0.039	13	0.30	27.592	16	33.5	51.82	16	33.5	G5 J	13A	2019	A -21 1316
91		8.7R	56 29.649	0.0005	18	-25 8 40.38	0.023	18	0.34	29.641	16	33.5	40.75	16	33.5	K0 J	14	3136	E -25 2827
92		9.1R	56 35.488	-0.0030	15	-27 31 45.90	0.051	15	0.29	35.538	16	33.5	46.74	16	33.5	K0 M	13B	2664	J -27 2637
93		9.5R	56 39.804	-0.0017	20	-24 57 51.92	0.033	20	0.36	39.832	16	33.5	52.47	16	33.5	K0 M	14	3138	E -24 3584
94		8.6R	56 40.065	0.0006	15	-24 49 30.18	0.007	15	0.29	40.056	16	33.5	30.30	16	33.5	K0 J	14	3137	E -24 3586
95		9.1R	56 40.254	-0.0009	12	-24 45 18.70	0.019	12	0.25	40.269	16	33.5	19.01	16	33.5	K M	14	3139	E -24 3585
96		8.5R	56 40.904	-0.0018	18	-27 3 27.72	0.014	18	0.34	40.933	16	33.5	27.95	16	33.5	K5 J	13B	2667	J -27 2638
97		8.6R	56 49.726	0.0030	18	-25 22 41.86	0.002	18	0.34	49.676	16	33.5	41.89	16	33.5	K7 M	14	3141	E -25 2832
98		9.1R	56 53.748	-0.0006	18	-22 34 49.29	-0.151	18	0.34	53.758	16	33.5	46.80	16	33.5	F8 J	14	3142	E -22 2636
99		8.7A	56 59.619	-0.0006	18	-20 20 0.38	-0.011	13	0.30	59.629	16	33.5	0.20	16	33.5	A2 J	13A	2022	A -20 1244
00		9.0R	57 4.172	-0.0018	18	-22 28 14.26	-0.012	18	0.34	4.201	16	33.5	14.06	16	33.5	F8 J	14	3146	E -22 2638

171100 — EPOCH 1950 — ORIGINAL EPOCH — SOURCE — -20° 5H

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	α_{1950} h m s	μ s	σ_μ ″ .001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″ .001	σ_{1950} ″	α_2 s	σ ″ .01	ep.	δ_2 ″	σ' ″ .01	ep.	SP.	CAT.	STAR NUMBER	DM NUMBER
1		8.8R	5 57 6.621	0.0019	15	-22 9 34.16	-0.062	15	0.29	6.589	16	33.5	33.14	16	33.5	G5 J	14	3147	E -22 2639
2		9.5R	57 7.396	-0.0038	20	-24 24 44.61	0.059	20	0.36	7.458	16	33.5	45.58	16	33.5	F8 M	14	3148	E -24 3593
3		8.7A	57 9.742	-0.0007	17	-20 34 38.29	0.019	13	0.29	9.755	16	33.5	38.59	16	33.5	F0 J	13A	2026	A -20 1246
4		9.3R	57 11.294	0.0005	18	-22 38 10.22	0.022	16	0.34	11.286	16	33.5	10.59	16	33.5	A0 J	14	3149	E -22 2641
5		8.6R	57 14.736	0.0001	15	-23 0 9.33	-0.022	15	0.29	14.735	16	33.5	8.98	16	33.5	K0 M	14	3150	E -22 2643
6		9.6R	57 20.562	-0.0021	12	-27 28 35.83	-0.004	12	0.25	20.596	16	33.5	35.77	16	33.5	A3 M	13B	2673	J -27 2644
7		8.9R	57 29.119	-0.0022	16	-23 42 12.69	-0.026	16	0.34	29.156	16	33.5	12.22	16	33.5	A3 J	14	3153	E -23 3317
8		8.9R	57 29.315	0.0016	17	-28 0 19.23	0.026	17	0.31	29.289	16	33.5	19.66	16	33.5	F5 M	13B	2674	J -28 2825
9		9.1R	57 33.574	-0.0009	13	-24 27 56.97	-0.011	13	0.27	33.588	16	33.5	56.78	16	33.5	A0 J	14	3155	E -24 3599
10		8.3A	57 52.739	-0.0018	12	-21 24 55.19	0.004	11	0.24	52.769	16	33.5	55.26	16	33.5	K0 J	13A	2031	A -21 1321
11		9.0A	57 53.600	-0.0020	18	-20 59 56.89	-0.006	13	0.30	53.632	16	33.5	56.78	16	33.5	G5 J	13A	2032	A -21 1320
12		8.8R	57 56.303	-0.0007	15	-22 5 24.09	-0.000	15	0.29	56.314	16	33.5	24.09	16	33.5	K5 J	14	3156	E -22 2652
13		9.1A	57 59.410	-0.0005	18	-20 0 40.76	-0.024	13	0.30	59.419	16	33.5	40.37	16	33.5	M0 J	13A	2034	A -20 1254
14		7.8R	58 6.360	-0.0008	17	-29 12 28.07	0.061	17	0.31	6.373	16	33.5	29.07	16	33.5	G5 J	13B	2683	J -29 2670
15		8.6R	58 7.985	0.0015	18	-27 37 26.43	-0.021	18	0.34	7.961	16	33.5	26.09	16	33.5	K0 J	13B	2682	J -27 2656
16		9.3R	58 8.305	-0.0028	17	-29 7 58.52	0.038	17	0.31	8.352	16	33.5	59.15	16	33.5	F8 M	13B	2684	J -29 2672
17		8.4R	58 8.606	0.0001	12	-27 2 52.62	0.031	12	0.25	8.604	16	33.5	53.14	16	33.5	A2 J	13B	2681	J -27 2655
18		9.1R	58 11.637	0.0018	18	-27 45 4.23	0.027	16	0.34	11.608	16	33.5	4.67	16	33.5	F8 M	13B	2685	J -27 2657
19		8.9R	58 11.864	-0.0002	12	-25 26 37.31	0.017	12	0.25	11.868	16	33.5	37.59	16	33.5	K2 J	14	3160	E -25 2854
20		9.2R	58 22.522	0.0003	12	-24 55 45.89	0.006	12	0.25	22.516	16	33.5	45.99	16	33.5	K0 M	14	3161	E -24 3609
21		9.3R	58 23.070	0.0010	15	-25 19 59.42	-0.020	15	0.29	23.053	16	33.5	59.09	16	33.5	A5 J	14	3162	E -25 2855
22		7.9R	58 30.139	0.0000	18	-27 53 22.17	-0.055	16	0.34	30.139	16	33.5	21.27	16	33.5	A0 J	13B	2686	J -27 2662
23		9.9R	58 34.417	-0.0021	18	-22 33 6.41	-0.012	18	0.34	34.451	16	33.5	6.22	16	33.5	F2 M	14	3163	E -22 2658
24		9.0A	58 38.372	-0.0000	18	-20 31 13.74	0.011	13	0.30	38.373	16	33.5	13.91	16	33.5	M0 J	13A	2035	A -20 1258
25		8.8R	58 39.302	-0.0010	12	-23 55 24.61	-0.035	12	0.25	39.318	16	33.5	24.03	16	33.5	K0 J	14	3164	E -23 3336
26		8.5A	58 41.818	-0.0019	20	-21 8 54.74	0.002	00	0.28	41.849	16	33.5	54.76	16	33.5	B9 J	13A	2036	A -21 1323
27		8.5A	58 43.271	-0.0013	18	-21 56 27.90	0.013	13	0.30	43.292	16	33.5	28.12	16	33.5	A3 J	13A	2038	A -21 1325
28		8.2A	58 43.782	-0.0026	17	-21 0 14.23	0.021	12	0.28	43.825	16	33.5	14.57	16	33.5	A2 J	13A	2037	A -21 1324
29		8.8R	58 46.448	0.0064	18	-25 32 23.47	-0.029	16	0.34	46.344	16	33.5	22.99	16	33.5	F5 J	14	3165	E -25 2859
30		9.7R	58 49.652	-0.0018	20	-24 10 31.71	-0.028	20	0.36	49.682	16	33.5	31.24	16	33.5	G0 M	14	3166	E -24 3613
31		9.2R	58 50.658	0.0009	18	-24 45 3.13	-0.001	18	0.34	50.644	16	33.5	3.11	16	33.5	K0 M	14	3167	E -24 3614
32		9.0R	58 57.629	-0.0035	18	-23 9 55.04	0.000	18	0.34	57.687	16	33.5	55.04	16	33.5	G0 J	14	3168	E -23 3344
33		8.7R	59 1.013	-0.0012	15	-24 5 42.93	0.003	15	0.29	1.033	16	33.5	42.97	16	33.5	A0 J	14	3169	E -24 3615
34		9.0R	59 1.877	-0.0012	12	-29 55 34.30	-0.009	12	0.25	1.896	16	33.5	34.14	16	33.5	F8 M	13B	2694	J -29 2687
35		9.0R	59 3.617	-0.0007	20	-23 53 43.32	0.018	20	0.36	3.629	16	33.5	43.61	16	33.5	G5 J	14	3170	E -23 3347
36		9.2R	59 6.741	0.0015	12	-24 44 39.35	-0.018	12	0.25	6.717	16	33.5	39.06	16	33.5	K0 M	14	3171	E -24 3617
37		8.5R	59 10.127	0.0000	12	-27 33 23.48	-0.029	12	0.25	10.127	16	33.5	23.00	16	33.5	K5 M	13B	2695	J -27 2670
38		5.9T	59 11.170	-0.0006	07	-25 25 1.92	-0.015	07	0.31	11.196	09	05.7	1.26	09	06.3	A0	GC	7623	C -25 2865
39		9.2R	59 20.778	-0.0006	15	-25 18 8.89	-0.035	15	0.29	20.788	16	33.5	8.31	16	33.5	G0 M	14	3174	E -25 2867
40		8.0A	59 21.341	-0.0002	18	-20 38 33.83	0.043	13	0.30	21.344	16	33.5	34.53	16	33.5	K0 J	13A	2040	A -20 1260
41		9.1R	59 22.123	-0.0007	18	-22 30 40.78	0.027	18	0.34	22.134	16	33.5	41.23	16	33.5	G0 J	14	3173	E -22 2678
42		8.7R	59 33.365	-0.0012	18	-22 6 38.84	0.044	18	0.34	33.384	16	33.5	39.56	16	33.5	A2 J	14	3175	E -22 2680
43		9.2R	59 33.729	0.0005	18	-25 57 52.73	-0.007	15	0.31	33.721	16	33.5	52.62	16	33.5	K0 M	14	3177	E -25 2872
44		8.7R	59 33.762	0.0034	17	-29 30 49.61	0.036	17	0.31	33.706	16	33.5	50.19	16	33.5	F8 J	13B	2697	J -29 2695
45		9.5R	59 40.289	-0.0002	15	-22 45 39.41	0.007	15	0.29	40.293	16	33.5	39.53	16	33.5	F5 M	14	3178	E -22 2683
46		8.7R	59 45.789	0.0024	18	-25 50 14.23	0.008	18	0.34	45.750	16	33.5	14.37	16	33.5	G5 J	14	3179	E -25 2874
47		8.6R	59 46.334	0.0029	17	-29 52 39.99	-0.041	17	0.31	46.286	16	33.5	39.31	16	33.5	K2 J	13B	2700	J -29 2698
48		8.9R	59 49.365	-0.0026	20	-29 25 24.47	-0.025	20	0.36	49.429	16	33.5	24.05	16	33.5	A5 J	13B	2702	J -29 2699
49		9.0R	59 51.428	0.0007	17	-24 48 34.38	0.006	17	0.31	51.416	16	33.5	34.48	16	33.5	K2 M	14	3180	E -24 3624
50		8.7A	59 53.321	-0.0002	18	-21 48 8.78	-0.011	13	0.30	53.325	16	33.5	8.60	16	33.5	A2 J	13A	2045	A -21 1330
51		7.3T	5 59 54.074	-0.0003	14	-27 21 22.83	-0.004	12	0.67	54.092	18	99.6	22.64	15	00.2	K0	GC	7649	C -27 2677
52		9.0R	59 56.826	-0.0023	13	-28 20 8.18	0.042	13	0.27	56.864	16	33.5	8.87	16	33.5	A0 J	13B	2704	J -28 2653
53		9.1R	59 57.698	-0.0015	21	-23 56 1.65	-0.032	21	0.36	57.723	16	33.5	1.12	16	33.5	K0 M	14	3181	E -23 3358
54	9.4	8.7M	6 0 2.358	-0.0011	21	-29 57 43.05	-0.021	21	0.43	2.378	22	32.1	42.68	21	32.1	K0	C7	2504	C -29 2703
55		9.3R	0 2.776	-0.0020	15	-24 11 46.50	-0.012	15	0.29	2.808	16	33.5	46.30	16	33.5	G0 M	14	3183	E -24 3627
56		9.7R	0 4.392	0.0012	18	-22 8 32.79	0.033	18	0.34	4.372	16	33.5	33.33	16	33.5	F8 M	14	3182	E -22 2686
57		8.3A	0 5.761	-0.0004	18	-20 1 9.27	0.027	13	0.30	5.768	16	33.5	9.72	16	33.5	K2 J	13A	2047	A -20 1261
58		7.2T	0 7.325	-0.0022	14	-27 25 29.23	-0.105	12	0.71	7.438	18	99.6	23.72	18	97.5	F5	GC	7654K	C -27 2680
59		8.1R	0 7.489	-0.0024	18	-26 39 41.02	-0.040	18	0.34	7.529	16	33.5	40.36	16	33.5	F2 J	14	3186	E -26 2661
60		8.5R	0 7.547	-0.0012	12	-25 37 49.52	0.016	12	0.25	7.568	16	33.5	49.79	16	33.5	A5 J	14	3185	E -25 2877
61		8.6R	0 11.835	-0.0006	12	-22 18 22.26	0.023	12	0.25	11.845	16	33.5	22.64	16	33.5	A5 J	14	3184	E -22 2688
62		9.7R	0 17.268	-0.0002	12	-22 43 2.28	-0.010	12	0.25	17.271	16	33.5	2.12	16	33.5	A2 J	14	3187	E -22 2690
63		9.1R	0 19.312	-0.0035	17	-27 49 22.86	0.002	17	0.31	19.369	16	33.5	22.89	16	33.5	G5 M	13B	2709	J -27 2684
64		9.5R	0 21.222	-0.0004	18	-22 25 15.72	0.002	18	0.34	21.228	16	33.5	15.75	16	33.5	F5 J	14	3188	E -22 2691
65		8.7R	0 26.524	0.0005	15	-25 14 3.79	-0.029	15	0.29	26.516	16	33.5	3.31	16	33.5	G0 J	14	3190	E -25 2880
66		9.4R	0 28.341	-0.0042	20	-22 42 40.64	-0.020	20	0.36	28.410	16	33.5	40.32	16	33.5	A0 M	14	3189	E -22 2693
67		9.4R	0 29.723	-0.0030	20	-23 20 22.40	-0.030	20	0.36	29.772	16	33.5	21.91	16	33.5	K0 M	14	3191	E -23 3364
68		9.0R	0 33.640	0.0000	18	-23 50 20.39	-0.026	18	0.34	33.640	16	33.5	19.96	16	33.5	K0 J	14	3192	E -23 3366
69		8.9R	0 35.149	0.0016	15	-25 2 43.95	-0.004	15	0.29	35.122	16	33.5	43.89	16	33.5	K2 J	14	3193	E -25 2881
70		9.4R	0 37.842	0.0015	13	-24 40 12.73	0.010	13	0.27	37.818	16	33.5	12.90	16	33.5	K0 M	14	3194	E -24 3632
71		8.6R	0 40.552	0.0011	17	-28 19 0.31	0.059	17	0.31	40.535	16	33.5	1.28	16	33.5	F0 J	13B	2713	J -28 2664
72		9.5R	0 43.068	-0.0010	12	-22 17 1.96	0.009	12	0.25	43.068	16	33.5	2.11	16	33.5	K0 M	14	3195	E -22 2695
73		8.6R	0 43.812	0.0008	18	-26 39 12.57	0.029	18	0.34	43.799	16	33.5	13.05	16	33.5	K5 J	14	3196	E -26 2667
74		8.6A	0 43.848	0.0038	18	-21 48 12.81	0.093	13	0.30	43.784	16	33.5	14.34	16	33.5	G0 J	13A	2056K	A -21 1335
75	8.8	8.0M	0 52.433	-0.0008	21	-29 59 41.89	0.033	21	0.43	52.448	22	32.1	42.48	21	32.1	K0	C7	2512	C -29 2719
76		7.9R	0 55.558	-0.0008	18	-23 13 1.18	0.061	18	0.34	55.571	16	33.5	2.19	16	33.5	K0 J	14	3197	E -23 3373
77		9.4R	0 58.252	0.0013	18	-22 28 9.25	0.040	18	0.34	58.231	16	33.5	9.91	16	33.5	K M	14	3198	E -22 2701
78		9.3R	1 3.480	0.0036	18	-27 10 38.32	-0.018	18	0.34	3.421	16	33.5	38.03	16	33.5	A5 M	13B	2715	J -27 2693
79		8.5R	1 6.6[illegible]	0.0015	18	-22 44 22.47	-0.003	18	0.34	6.673	16	33.5	22.43	16	33.5	K0 J	14	3199	E -22 2705
80		5.2T	1 14.578	0.0030	04	-26 16 58.55	0.091	04	0.22	14.396	09	02.5	+ 2.92	09	02.1	G5	GC	7680K	C+-26 2675
81		9.0R	1 15.840	-0.0016	12	-24 49 43.21	-0.087	12	0.25	15.867	16	33.5	41.78	16	33.5	G5 M	14	3201	E -24 3644
82		9.0R	1 17.053	0.0004	12	-28 11 17.05	0.040	12	0.25	17.047	16	33.5	17.71	16	33.5	A3 J	13B	2717	J -28 2672
83		7.4A	1 17.911	-0.0008	17	-21 47 10.81	-0.090	12	0.28	17.923	16	33.5	9.33	16	33.5	F0 J	13A	2059	A -21 1336
84		8.7A	1 20.003	0.0058	18	-21 40 19.45	-0.126	12	0.30	19.908	16	33.5	17.37	16	33.5	G5 J	13A	2060	A -21 1337
85		9.5R	1 20.005	0.0003	18	-27 39 48.61	0.075	18	0.34	20.000	16	33.5	49.84	16	33.5	F5 M	13B	2718	J -27 2697
86		8.3R	1 23.713	0.0006	12	-22 48 48.29	0.011	12	0.25	23.704	16	33.5	48.48	16	33.5	K2 J	14	3203	E -22 2708
87		9.1R	1 40.400	-0.0013	18	-27 47 57.15	0.056	18	0.34	40.421	16	33.5	58.08	16	33.5	K0 M	13B	2719	J -27 2703
88		8.5R	1 40.417	-0.0002	12	-28 54 31.28	0.008	12	0.25	40.421	16	33.5	31.40	16	33.5	F0 J	13B	2720	J -28 2677
89		9.4R	1 41.111	0.0032	18	-25 35 24.94	-0.005	15	0.31	41.059	16	33.5	24.86	16	33.5	B8 J	14	3204	E -25 2892
90		9.1R	1 45.506	-0.0035	18	-25 8 13.61	0.097	18	0.34	45.564	16	33.5	15.21	16	33.5	F8 J	14	3206	E -25 2893
91		9.2R	1 48.431	-0.0009	18	-23 8 9.34	-0.039	18	0.34	48.445	16	33.5	8.70	16	33.5	A0 J	14	3205	E -23 3380
92		9.2R	1 50.870	-0.0013	15	-22 18 32.82	0.017	15	0.29	50.890	16	33.5	33.10	16	33.5	F5 M	14	3207	E -22 2711
93		9.1R	1 56.876	0.0022	18	-27 15 32.48	0.003	18	0.34	56.839	16	33.5	32.53	16	33.5	K5 M	13B	2722	J -27 2708
94		9.4R	1 57.852	0.0007	20	-24 19 17.33	0.029	20	0.36	57.840	16	33.5	17.80	16	33.5	F8 M	14	3211	E -24 3654
95		8.8A	1 58.509	-0.0000	18	-20 36 59.75	0.024	13	0.30	58.510	16	33.5	+ 0.14	16	33.5	F5 J	13A	2064	A -20 1271
96		9.6R	2 0.212	0.0001	20	-23 50 34.96	-0.050	20	0.36	0.210	16	33.5	34.13	16	33.5	A0 J	14	3212	E -23 3388
97		9.2R	2 0.485	-0.0004	15	-22 7 52.47	0.030	15	0.29	0.491	16	33.5	52.96	16	33.5	K0 M	14	3210	E -22 2714
98		9.5R	2 1.799	0.0016	18	-26 11 16.43	-0.033	18	0.34	1.774	16	33.5	15.89	16	33.5	F8 M	14	3214	E -26 2686
99		9.6R	2 4.695	0.0020	18	-22 30 12.98	0.029	18	0.34	4.862	16	33.5	13.46	16	33.5	A3 M	14	3213	E -22 2715
00		8.8R	2 5.701	-0.0002	12	-25 5 23.35	0.005	12	0.25	5.705	16	33.5	23.43	16	33.5	A3 J	14	3215	E -25 2898

171200

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	CAT.	STAR NUMBER	-20° 6H DM NUMBER
1		7.7T	6 2 11.021	-0.0015	12	-29 20 6.28	0.013	11	0.62	11.097	15	99.5	6.98	18	95.9	A0	GC	7700	C*-29 2733
2		8.8R	2 13.637	0.0006	12	-29 30 23.02	0.018	12	0.25	13.627	16	33.5	23.31	16	33.5	K0 M	13B	2725	J -29 2735
3		9.6R	2 13.997	0.0024	15	-25 50 19.36	-0.053	15	0.29	13.958	16	33.5	18.49	16	33.5	G0 M	14	3216	E -25 2900
4		8.5R	2 21.026	0.0006	12	-26 57 33.16	-0.009	12	0.25	21.015	16	33.5	33.02	16	33.5	A0 J	14	3217	E -26 2691
5		8.7A	2 31.537	0.0012	18	-20 53 43.90	-0.003	15	0.31	31.518	16	33.5	43.84	16	33.5	K0 J	13A	2069	A -20 1275
6		9.0A	2 31.593	-0.0002	15	-21 54 23.48	-0.019	12	0.27	31.596	16	33.5	23.17	16	33.5	K7 J	13A	2070	A -21 1344
7		8.3R	2 31.829	0.0010	13	-29 37 49.42	-0.023	13	0.27	31.813	16	33.5	49.03	16	33.5	K5 J	13B	2727	J -29 2737
8		9.0R	2 32.728	-0.0021	15	-26 31 29.72	-0.010	15	0.29	32.761	16	33.5	29.56	16	33.5	G0 J	14	3219	E -26 2692
9		9.5R	2 34.393	0.0030	18	-25 52 36.63	-0.033	18	0.34	34.343	16	33.5	36.09	16	33.5	F8 M	14	3220	E -25 2902
10		7.6R	2 41.861	0.0017	12	-28 36 47.52	0.014	12	0.25	41.834	16	33.5	47.74	16	33.5	G5 J	13B	2729	J -28 2689
11		7.2T	2 45.264	0.0010	13	-28 3 23.08	-0.013	13	0.70	45.214	18	99.2	22.40	18	97.6	A0	GC	7712	C -28 2691
12		8.6A	2 47.020	-0.0008	18	-21 41 5.85	-0.069	13	0.30	47.032	16	33.5	4.71	16	33.5	K2 J	13A	2073	A -21 1345
13		9.0R	2 47.438	-0.0022	15	-27 57 59.59	0.014	15	0.29	47.474	16	33.5	59.82	16	33.5	K5 M	13B	2732	J -27 2723
14		8.9A	2 50.343	0.0018	18	-20 57 42.52	0.012	13	0.30	50.313	16	33.5	42.71	16	33.5	K7 J	13A	2074	A -20 1277
15		8.7R	2 54.903	0.0001	18	-25 16 26.62	-0.032	15	0.31	54.901	16	33.5	26.09	16	33.5	F0 J	14	3221	E -25 2906
16		9.3R	2 58.410	0.0017	18	-26 1 19.33	-0.012	18	0.34	58.382	16	33.5	19.53	16	33.5	K0 M	14	3223	E -26 2699
17		9.2R	3 2.425	-0.0029	20	-23 46 37.36	-0.016	20	0.36	2.473	16	33.5	37.09	16	33.5	K0 M	14	3224	E -23 3403
18		9.0R	3 15.361	-0.0004	20	-28 34 10.84	0.032	20	0.36	15.369	16	33.5	11.37	16	33.5	G5 M	13B	2737	J -28 2698
19		8.6A	3 16.587	0.0017	18	-20 16 29.94	0.040	13	0.30	16.559	16	33.5	30.61	16	33.5	K J	13A	2075	A -20 1279
20		9.6R	3 27.923	0.0010	18	-25 2 47.57	-0.001	18	0.34	27.906	16	33.5	47.55	16	33.5	K M	14	3227	E -25 2916
21		8.5R	3 30.972	-0.0021	18	-27 11 15.23	-0.019	18	0.34	31.007	16	33.5	14.92	16	33.5	G5 J	13B	2741	J -27 2731
22		6.0I	3 41.862	0.0014	12	-24 11 22.98	-0.019	11	0.64	41.787	18	96.6	21.90	17	93.7	MC	GC	7737V	C*-24 3679
23		8.9R	3 42.580	-0.0011	20	-29 2 33.72	0.029	17	0.34	42.598	16	33.5	34.19	16	33.5	M1 M	13B	2743	J -29 2759
24		8.8A	3 44.427	-0.0010	18	-20 39 36.68	0.013	13	0.30	44.444	16	33.5	36.88	16	33.5	A2 J	13A	2077	A -20 1282
25		8.7R	3 47.066	0.0017	18	-26 19 7.09	0.008	18	0.34	47.038	16	33.5	7.23	16	33.5	A0 J	14	3229	E -26 2709
26		9.0R	3 54.974	-0.0019	18	-22 38 41.20	-0.009	18	0.34	55.005	16	33.5	41.05	16	33.5	A5 J	14	3230	E -22 2757
27	10.8	10.0W	3 56.211	-0.0004	21	-29 59 20.81	0.038	21	0.42	56.218	22	32.6	21.48	21	32.6	G5 L	C7	2543	C -29 2763
28		9.0R	3 57.150	-0.0015	20	-26 54 57.90	0.068	20	0.37	57.175	16	33.2	59.05	16	33.2	K0 M	14	3232	E -26 2710
29		8.7T	3 59.188	0.0011	16	-24 54 57.61	-0.006	13	0.76	59.132	21	01.4	57.31	19	98.4	B9	GC	7746	C -24 3685
30		9.2R	4 4.269	-0.0021	20	-25 38 36.92	-0.016	20	0.37	4.304	16	33.2	36.65	16	33.2	K0 M	14	3233	E -25 2921
31		5.7H	4 9.940	0.0005	03	-29 45 6.63	-0.041	03	0.11	9.925	06	17.1	5.28	06	16.7	A0	F4	1164	C -29 2769
32		9.3R	4 10.373	-0.0030	20	-25 26 40.44	0.047	20	0.37	10.423	16	33.2	41.23	16	33.2	K0 M	14	3234	E -25 2923
33		8.9R	4 14.046	0.0005	20	-25 52 56.24	0.042	20	0.37	14.038	16	33.2	56.95	16	33.2	G5 M	14	3236	E -25 2925
34		8.9R	4 14.116	0.0018	20	-23 26 50.07	-0.038	20	0.37	14.086	16	33.2	49.43	16	33.2	G5 M	14	3235	E -23 3426
35		8.4R	4 18.307	-0.0010	20	-27 53 59.40	0.050	20	0.37	18.324	16	33.2	+ 0.24	16	33.2	K0 J	13B	2747	J -27 2736
36		5.5T	4 26.858	-0.0020	05	-23 6 13.37	-0.024	05	0.25	26.945	09	05.4	12.21	09	00.8	A2	GC	7763K	C -23 3431
37		8.4R	4 27.135	-0.0031	20	-28 6 31.30	-0.001	20	0.37	27.187	16	33.2	31.28	16	33.2	K0 J	13B	2748	J -28 2713
38		7.8R	4 27.782	-0.0010	18	-22 8 17.98	-0.006	18	0.34	27.798	16	33.2	17.88	16	33.2	B9 J	14	3237	E -22 2761
39		8.3R	4 34.159	0.0016	20	-25 53 37.24	-0.033	20	0.37	34.133	16	33.2	36.68	16	33.2	F8 J	14	3241	E -25 2929
40		9.0R	4 34.215	0.0006	20	-29 28 48.12	0.105	20	0.37	34.205	16	33.2	49.89	16	33.2	G0 M	13B	2752	J -29 2772
41		7.6R	4 34.229	0.0002	15	-23 32 2.42	-0.010	15	0.30	34.225	16	33.2	2.25	16	33.2	K0 J	14	3239	E -23 3432
42		9.0R	4 34.418	-0.0007	20	-25 48 4.74	0.024	20	0.37	34.429	16	33.2	5.15	16	33.2	K2 M	14	3242	E -25 2930
43		8.2R	4 34.566	0.0023	20	-28 27 3.81	0.024	20	0.37	34.527	16	33.2	4.21	16	33.2	G5 J	13B	2751	J -28 2715
44		8.6R	4 36.682	0.0009	15	-22 23 46.66	-0.014	15	0.30	36.666	16	33.2	46.43	16	33.2	A0 J	14	3240	E -22 2763
45		9.1R	4 39.893	0.0014	18	-24 9 18.96	-0.035	18	0.34	39.869	16	33.2	18.37	16	33.2	K2 M	14	3243	E -24 3698
46		8.8R	4 40.646	-0.0002	20	-29 36 27.32	-0.108	20	0.37	40.649	16	33.2	25.50	16	33.2	A2 J	13B	2753	J -29 2774
47		7.1T	4 41.957	-0.0009	12	-24 55 13.31	0.053	11	0.67	42.006	18	98.0	16.35	18	92.7	F0	GC	7771	C -24 3699
48		7.1T	4 46.130	-0.0028	11	-23 5 10.31	-0.015	07	0.52	46.272	17	98.6	9.51	17	95.1	A0	GC	7775K	C*-23 3436
49		9.2R	4 46.756	0.0004	20	-25 20 19.47	-0.045	20	0.37	46.750	16	33.2	18.71	16	33.2	F8 M	14	3247	E -25 2933
50		8.5R	4 50.266	-0.0002	15	-22 5 9.78	0.028	15	0.30	50.270	16	33.2	10.25	16	33.2	K5 J	14	3246	E -22 2767
51		6.1T	6 4 50.545	-0.0001	09	-21 48 19.06	-0.017	08	0.37	50.549	09	08.4	18.35	09	08.7	MB	GC	7779	-21 1353
52		9.0R	4 51.379	-0.0019	18	-24 8 51.33	0.001	18	0.34	51.410	16	33.2	51.35	16	33.2	K2 M	14	3248	E -24 3703
53		8.0R	4 57.541	-0.0007	17	-28 30 42.64	0.051	17	0.32	57.553	16	33.2	43.50	16	33.2	K0 J	13B	2755	J -28 2721
54		9.1R	4 59.556	-0.0022	17	-24 54 12.23	0.005	17	0.32	59.594	16	33.2	12.32	16	33.2	K0 M	14	3249	E -24 3705
55		9.0R	5 1.119	0.0012	20	-28 1 24.97	0.029	20	0.37	1.099	16	33.2	25.46	16	33.2	K0 M	13B	2756	J -28 2722
56		8.7R	5 4.072	-0.0009	18	-23 30 17.33	-0.001	18	0.34	4.087	16	33.2	17.31	16	33.2	K0 J	14	3250	E -23 3443
57		9.0R	5 4.871	0.0008	20	-28 10 38.39	0.017	20	0.37	4.857	16	33.2	38.68	16	33.2	F5 M	13B	2758	J -28 2723
58		8.7R	5 6.449	-0.0017	18	-22 15 33.11	-0.015	18	0.34	6.477	16	33.2	32.86	16	33.2	G0 J	14	3251	E -22 2773
59		8.6A	5 7.663	-0.0007	17	-21 31 20.16	-0.022	12	0.29	7.675	16	33.2	19.79	16	33.2	F0 J	13A	2089	A -21 1356
60		8.3R	5 8.126	0.0015	17	-29 6 58.20	0.026	17	0.32	8.100	16	33.2	58.64	16	33.2	K0 J	13B	2761	J -29 2780
61		9.0R	5 8.395	-0.0031	17	-27 15 30.37	0.032	17	0.32	8.447	16	33.2	30.91	16	33.2	A0 J	13B	2760	J -27 2745
62		8.0R	5 11.348	-0.0016	18	-22 33 40.61	-0.003	18	0.34	11.375	16	33.2	40.57	16	33.2	A0 J	14	3252	E -22 2775
63		9.2R	5 15.067	-0.0006	17	-29 35 13.71	-0.046	17	0.32	15.077	16	33.2	12.93	16	33.2	G0 M	13B	2762	J -29 2783
64		8.9A	5 15.609	-0.0004	18	-21 11 31.41	-0.012	13	0.31	15.616	16	33.2	31.21	16	33.2	F2 J	13A	2091	A -21 1357
65		8.5R	5 19.128	-0.0009	12	-27 7 38.42	0.024	12	0.26	19.144	16	33.2	38.83	16	33.2	K2 J	13B	2763	J -27 2747
66		8.8R	5 22.988	0.0009	18	-25 52 13.82	0.002	18	0.34	22.973	16	33.2	13.85	16	33.2	G5 J	14	3253	E -25 2943
67		9.0R	5 24.668	0.0036	18	-25 35 6.65	-0.011	18	0.34	24.608	16	33.2	6.47	16	33.2	K0 J	14	3254	E -25 2944
68		8.8A	5 32.419	-0.0001	18	-20 51 54.01	-0.010	13	0.31	32.421	16	33.2	53.83	16	33.2	M1 J	13A	2093	A -20 1286
69		9.3R	5 36.020	-0.0011	13	-22 6 20.66	-0.002	13	0.28	36.038	16	33.2	20.63	16	33.2	A3 M	14	3255	E -22 2777
70		8.7R	5 36.604	-0.0001	15	-26 36 45.88	-0.045	15	0.30	36.606	16	33.2	45.12	16	33.2	A5 J	14	3257	E -26 2736
71		9.6R	5 43.333	0.0007	18	-24 23 36.82	0.023	18	0.34	43.322	16	33.2	37.20	16	33.2	F5 M	14	3258	E -24 3719
72		9.3R	5 44.275	-0.0009	15	-24 44 42.51	-0.010	15	0.30	44.290	16	33.2	42.34	16	33.2	A0 M	14	3259	E -24 3720
73		9.2R	5 50.476	0.0004	15	-22 27 59.30	0.039	15	0.30	50.469	16	33.2	59.96	16	33.2	A0 J	14	3260	E -22 2779
74		8.8R	5 52.407	0.0006	18	-23 36 38.31	0.009	18	0.34	52.397	16	33.2	38.45	16	33.2	K2 J	14	3262	E -23 3460
75		9.3R	5 52.438	-0.0023	20	-22 27 45.78	-0.008	20	0.37	52.477	16	33.2	45.64	16	33.2	K0 M	14	3261	E -22 2780
76		9.3R	5 59.303	0.0008	15	-22 34 34.53	0.005	12	0.28	59.290	16	33.2	34.62	16	33.2	K2 M	14	3263	E -22 2781
77		9.0R	6 3.959	0.0036	18	-22 46 57.14	-0.018	18	0.34	3.898	16	33.2	56.85	16	33.2	K0 M	14	3264	E -22 2783
78		7.6R	6 6.644	0.0009	18	-25 24 28.51	0.026	15	0.32	6.629	16	33.2	28.95	16	33.2	A2 J	14	3265	E -25 2955
79		8.4R	6 7.106	-0.0014	12	-28 24 4.78	-0.009	12	0.26	7.129	16	33.2	4.63	16	33.2	A3 J	13B	2767	J -28 2729
80		9.0A	6 17.439	0.0002	17	-21 56 37.98	0.027	12	0.29	17.436	16	33.2	38.43	16	33.2	G0 J	13A	2098	A -21 1362
81		9.1R	6 18.621	0.0001	15	-25 14 39.60	0.008	15	0.30	18.620	16	33.2	39.74	16	33.2	K7 M	14	3267	E -25 2959
82		8.9R	6 22.816	-0.0006	12	-24 0 5.73	-0.043	12	0.26	22.825	16	33.2	5.01	16	33.2	A0 M	14	3268	E -23 3471
83		9.2R	6 24.560	-0.0028	20	-26 26 49.13	-0.001	15	0.33	24.608	16	33.2	49.12	16	33.2	A3 J	14	3271	E -26 2748
84		9.3R	6 25.387	-0.0002	15	-25 4 2.21	0.032	15	0.30	25.391	16	33.2	2.75	16	33.2	F5 M	14	3270	E -25 2961
85		8.5R	6 25.880	-0.0004	12	-24 18 53.86	-0.013	12	0.26	25.887	16	33.2	53.64	16	33.2	K2 J	14	3269	E -24 3728
86		9.4R	6 26.311	0.0034	18	-25 51 56.44	0.010	18	0.34	26.254	16	33.2	56.61	16	33.2	K0 M	14	3272	E -25 2963
87		9.6R	6 28.505	-0.0004	15	-24 48 31.03	-0.020	15	0.30	28.512	16	33.2	30.70	16	33.2	A0 M	14	3273	E -24 3730
88		9.5R	6 33.247	0.0007	20	-23 55 53.95	-0.043	20	0.37	33.236	16	33.2	53.22	16	33.2	F8 M	14	3274	E -23 3474
89		9.0R	6 37.714	-0.0018	20	-22 29 33.52	0.005	20	0.37	37.745	16	33.2	33.60	16	33.2	K5 M	14	3275	E -22 2792
90		8.8R	6 43.142	-0.0031	18	-23 45 59.70	0.025	18	0.34	43.194	16	33.2	+ 0.11	16	33.2	G5 J	14	3277	E -23 3478
91		8.7R	6 44.021	0.0018	18	-24 34 23.26	-0.008	18	0.34	43.990	16	33.2	23.13	16	33.2	K0 J	14	3278	E -24 3735
92		9.3R	6 47.830	-0.0006	18	-23 23 59.24	-0.022	18	0.34	47.841	16	33.2	58.88	16	33.2	A0 J	14	3279	E -23 3482
93		5.5H	6 51.674	-0.0001	03	-22 25 2.09	-0.043	03	0.10	51.676	06	31.7	1.12	06	27.4	A0	F4	1165	-22 1327
94		9.2R	6 53.004	0.0006	12	-28 16 14.12	0.005	12	0.26	52.994	16	33.2	14.20	16	33.2	F0 M	13B	2771	J -28 2738
95		9.6R	6 54.337	0.0032	20	-24 14 40.66	-0.031	20	0.37	54.282	16	33.2	40.14	16	33.2	G0 M	14	3281	E -24 3738
96		9.2R	6 55.898	-0.0007	17	-28 37 44.40	0.071	17	0.32	55.911	16	33.2	45.60	16	33.2	F5 M	13B	2772	J -28 2739
97		9.3R	6 57.895	0.0010	12	-28 27 44.34	0.037	12	0.26	57.879	16	33.2	44.96	16	33.2	G0 M	13B	2773	J -28 2740
98		8.6R	6 58.654	0.0005	12	-29 24 5.00	-0.000	12	0.26	58.645	16	33.2	5.00	16	33.2	K0 J	13B	2775	J -29 2805
99		9.1R	7 1.483	0.0006	18	-27 41 2.45	0.000	15	0.32	1.473	16	33.2	2.45	16	33.2	A0 J	13B	2776	J -27 2764
00		9.2R	7 4.024	0.0000	18	-24 20 39.03	-0.015	18	0.34	4.023	16	33.2	38.77	16	33.2	F5 M	14	3283	E -24 3740

171300

EPOCH 1950

ORIGINAL EPOCH

-20° 6H

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	σ'_μ ″.001	σ_{1950} ″	α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.		SOURCE CAT.	SOURCE STAR NUMBER	DM NUMBER
1		9.3R	6 7 4.516	0.0007	12	-25 30 8.44	0.014	12	0.26	4.504	16	33.2	8.68	16	33.2	K0	M	14	3285	E -25 2969
2		8.8A	7 5.019	0.0006	18	-20 40 16.58	0.008	13	0.31	5.009	16	33.2	16.71	16	33.2	K0	J	13A	2101	A -20 1297
3		9.0A	7 8.506	0.0002	18	-20 28 28.85	0.010	13	0.31	8.502	16	33.2	29.02	16	33.2	F8	J	13A	2103	A -20 1298
4		8.9A	7 11.212	0.0012	18	-20 54 42.37	0.020	13	0.31	11.191	16	33.2	42.70	16	33.2	B9	J	13A	2104	A -20 1299
5		8.9A	7 15.482	-0.0004	17	-20 39 4.85	0.017	13	0.30	15.489	16	33.2	5.12	16	33.2	F5	J	13A	2105	A -20 1300
6		9.1A	7 20.167	-0.0007	18	-20 47 5.74	0.006	13	0.31	20.180	16	33.2	5.83	16	33.2	F0	J	13A	2107	A -20 1302
7		9.2R	7 20.830	0.0008	18	-23 50 45.37	0.032	18	0.34	20.816	16	33.2	45.91	16	33.2	K0	M	14	3286	E -23 3490
8		9.0R	7 21.449	0.0006	18	-23 33 17.91	-0.013	18	0.34	21.439	16	33.2	17.68	16	33.2	F8	J	14	3287	E -23 3491
9		9.0R	7 25.996	-0.0003	17	-29 20 43.56	0.001	17	0.32	25.601	16	33.2	43.58	16	33.2	G2	M	13B	2778	J -29 2812
10		8.4R	7 25.612	0.0007	20	-24 14 22.09	0.017	20	0.37	25.601	16	33.2	22.37	16	33.2	A0	J	14	3289	E -24 3745
11		8.2R	7 30.358	-0.0001	18	-25 15 56.07	0.013	18	0.34	30.359	16	33.2	56.29	16	33.2	F8	J	14	3291	E -25 2974
12		8.3R	7 30.775	-0.0005	18	-22 18 2.65	-0.000	18	0.34	30.784	16	33.2	2.65	16	33.2	F0	J	14	3290	E -22 2802
13		8.9A	7 34.060	-0.0017	17	-22 0 18.46	-0.035	12	0.29	34.088	16	33.2	17.87	16	33.2	K0	J	13A	2110	A -21 1369
14		7.9R	7 35.133	-0.0007	18	-22 6 31.42	-0.004	18	0.34	35.145	16	33.2	31.35	16	33.2	K0	J	14	3292	E -22 2803
15		9.4R	7 35.615	0.0024	15	-23 17 55.22	0.059	15	0.30	35.575	16	33.2	56.21	16	33.2	G0	M	14	3293	E -23 3493
16		8.4A	7 37.487	-0.0010	20	-20 29 37.74	-0.043	15	0.33	37.504	16	33.2	37.02	16	33.2	K2	J	13A	2112	A -20 1303
17		5.7T	7 41.884	0.0054	07	-22 45 52.20	0.066	08	0.29	41.689	09	14.1	54.68	09	12.6	F5		GC	7849	B*-22 1330
18		6.2T	7 47.069	-0.0009	14	-26 41 26.08	0.020	12	0.71	47.116	18	00.2	27.13	18	97.6	K0		GC	7855	C*-26 2761
19		8.0R	7 49.240	-0.0001	12	-29 26 58.06	0.009	12	0.26	49.243	16	33.2	58.23	16	33.2	K0	J	13B	2782	J -29 2819
20		9.2R	7 50.245	-0.0012	13	-24 32 42.82	-0.033	13	0.28	50.265	16	33.2	42.27	16	33.2	F8	M	14	3297	E -24 3748
21		7.7R	7 54.517	-0.0017	15	-25 36 55.32	0.045	12	0.28	54.546	16	33.2	56.08	16	33.2	F8	J	14	3298	E -25 2978
22		9.5R	8 2.360	-0.0002	15	-25 16 51.41	0.013	15	0.30	2.364	16	33.2	51.63	16	33.2	A3	J	14	3299	E -25 2981
23		9.0R	8 3.406	0.0021	18	-27 50 58.91	-0.010	15	0.32	3.371	16	33.2	58.74	16	33.2	K0	M	13B	2783	J -27 2775
24		9.3R	8 10.152	0.0006	17	-23 46 32.37	0.009	17	0.32	10.142	16	33.2	32.51	16	33.2	A2	M	14	3301	E -23 3505
25		7.4T	8 12.071	-0.0001	14	-29 48 26.87	0.018	12	0.70	12.074	18	00.2	27.78	18	98.9	B9		GC	7867	C -29 2826
26		9.0R	8 12.202	0.0006	20	-29 49 26.21	-0.014	20	0.37	12.192	16	33.2	25.97	16	33.2			13B	2786	J -29 2828
27		9.0R	8 15.198	-0.0014	17	-28 9 23.10	0.020	17	0.32	15.223	16	33.2	23.44	16	33.2	F5	M	13B	2787	J -28 2760
28		7.8R	8 17.980	0.0013	12	-25 28 22.78	-0.032	12	0.26	17.958	16	33.2	22.24	16	33.2	K0	J	14	3304	E -25 2983
29		9.4R	8 18.102	-0.0016	20	-24 37 16.91	-0.019	20	0.37	18.130	16	33.2	16.59	16	33.2	G5	M	14	3303	E -24 3755
30		8.2R	8 20.129	-0.0003	18	-25 37 15.03	0.002	18	0.34	20.134	16	33.2	15.06	16	33.2	G5	J	14	3305	E -25 2984
31		9.3R	8 26.143	0.0010	15	-23 11 23.31	-0.005	15	0.30	26.127	16	33.2	23.23	16	33.2	A0	M	14	3307	E -23 3510
32		8.7A	8 26.249	-0.0031	18	-20 22 41.96	0.003	13	0.31	26.301	16	33.2	42.02	16	33.2	A0	J	13A	2114	A -20 1307
33		8.7R	8 26.824	-0.0013	13	-22 20 59.39	0.020	13	0.28	26.846	16	33.2	59.73	16	33.2	A2	J	14	3306	E -22 2814
34		8.2A	8 28.138	-0.0094	17	-21 50 36.03	-0.725	12	0.29	28.297	16	33.2	23.82	16	33.2	K5	J	13A	2116	A -21 1377
35		9.1R	8 28.236	-0.0038	12	-23 10 58.51	-0.011	12	0.26	28.301	16	33.2	58.34	16	33.2	A0	J	14	3308	E -23 3514
36		9.5R	8 30.241	-0.0007	15	-22 32 31.71	0.004	15	0.30	30.253	16	33.2	31.79	16	33.2	G0	M	14	3309	E -22 2815
37		8.9R	8 31.632	-0.0005	15	-24 40 16.69	-0.040	15	0.30	31.641	16	33.2	16.02	16	33.2	K2	J	14	3310	E -24 3759
38		8.5R	8 33.876	-0.0019	20	-29 19 42.27	-0.002	20	0.37	33.908	16	33.2	42.23	16	33.2	G5	J	13B	2795	J -29 2834
39		5.8T	8 35.154	-0.0015	05	-27 8 30.48	-0.047	05	0.26	35.221	10	06.5	28.30	12	03.5	K0		GC	7874	C*-27 2780
40		8.9R	8 39.745	0.0007	15	-27 33 33.00	0.008	15	0.30	39.734	16	33.2	33.13	16	33.2	A2	J	13B	2796	J -27 2781
41		8.7A	8 39.827	0.0001	18	-20 51 38.59	0.012	13	0.31	39.825	16	33.2	38.78	16	33.2	M0	J	13A	2119	A -20 1312
42		8.9A	8 41.962	-0.0004	18	-20 47 33.25	0.034	13	0.31	41.969	16	33.2	33.82	16	33.2	A2	J	13A	2120	A -20 1313
43		9.0R	8 41.997	0.0013	18	-22 4 27.09	0.022	18	0.34	41.974	16	33.2	27.46	16	33.2	A0	J	14	3312	E -22 2820
44		9.1R	8 42.146	-0.0013	13	-29 45 48.30	0.021	13	0.28	42.168	16	33.2	48.64	16	33.2	A3	M	13B	2798	J -29 2837
45		8.9R	8 44.855	-0.0017	21	-23 39 28.13	0.023	21	0.39	44.883	16	33.2	28.52	16	33.2	K0	M	14	3313	E -23 3520
46		8.1R	8 51.309	-0.0056	18	-24 22 34.85	0.136	18	0.34	51.403	16	33.2	37.13	16	33.2	G0	J	14	3314	E -24 3764
47		9.2R	8 57.074	-0.0026	20	-24 28 3.98	-0.058	20	0.37	57.118	16	33.2	3.01	16	33.2	F8	M	14	3316	E -24 3767
48		9.0R	8 58.239	-0.0010	17	-28 27 49.50	-0.011	17	0.32	58.256	16	33.2	49.31	16	33.2	A0	J	13B	2799	J -28 2767
49		8.9A	8 59.983	-0.0000	17	-20 31 51.77	0.010	12	0.29	59.984	16	33.2	51.93	16	33.2	G0	J	13A	2122	A -20 1315
50		9.2R	9 1.294	0.0001	13	-22 24 8.84	-0.052	13	0.28	1.292	16	33.2	7.96	16	33.2	F5	J	14	3317	E -22 2824
51		9.0R	6 9 7.079	-0.0014	17	-28 55 13.77	0.023	17	0.32	7.102	16	33.2	14.16	16	33.2	F5	M	13B	2800	J -28 2772
52		8.3R	9 7.277	-0.0019	13	-22 48 57.34	-0.009	13	0.28	7.309	16	33.2	57.19	16	33.2	B9	J	14	3319K	E -22 2825
53		8.4R	9 8.406	-0.0019	17	-28 47 37.60	0.053	17	0.32	8.438	16	33.2	38.49	16	33.2	G5	J	13B	2801	J -28 2774
54		8.7A	9 9.655	0.0013	20	-20 50 40.40	0.011	15	0.33	9.633	16	33.2	40.58	16	33.2	A3	J	13A	2124	A -20 1316
55		8.3R	9 10.643	0.0008	20	-28 35 8.40	0.025	17	0.34	10.630	16	33.2	8.82	16	33.2	A0	J	13B	2802	J -28 2775
56		6.0T	9 13.104	-0.0016	07	-26 28 11.41	0.002	07	0.33	13.171	14	07.3	11.52	15	02.1	A0		GC	7892	C -26 2784
57		9.0R	9 18.751	-0.0011	17	-29 9 32.49	-0.035	12	0.29	18.770	16	33.2	31.90	16	33.2	G0	M	13B	2806	J -29 2848
58		8.4R	9 27.019	-0.0012	18	-23 46 12.51	-0.011	18	0.34	27.038	16	33.2	12.33	16	33.2	B9	J	14	3321	E -23 3532
59		7.5T	9 28.196	-0.0017	11	-27 2 42.34	-0.016	08	0.53	28.288	17	97.5	41.45	15	93.8	A2		GC	7901	C -27 2790
60		9.6R	9 28.247	0.0013	13	-24 52 42.55	-0.054	13	0.28	28.225	16	33.2	41.64	16	33.2	G5	M	14	3322	E -24 3777
61		8.7A	9 28.621	-0.0013	17	-21 27 32.40	-0.028	12	0.29	28.643	16	33.2	31.93	16	33.2	B8	J	13A	2126	A -21 1383
62		8.9A	9 31.231	0.0006	17	-21 13 34.10	0.018	11	0.28	31.220	16	33.2	34.39	16	33.2	K0	J	13A	2127	A -21 1384
63		8.5R	9 33.560	-0.0003	18	-22 53 3.56	0.012	18	0.34	33.566	16	33.2	3.76	16	33.2	G5	J	14	3323	E -22 2832
64		7.5T	9 38.530	0.0031	16	-27 54 57.48	0.065	13	0.77	38.376	18	00.0	+ 0.90	18	97.3	F2		GC	7904K	C*-27 2794
65		8.5A	9 40.270	-0.0020	17	-20 29 11.93	0.025	12	0.29	40.303	16	33.2	12.36	16	33.2	A0	J	13A	2128	A -20 1319
66		9.0R	9 41.224	0.0000	18	-22 47 24.42	0.017	18	0.34	41.224	16	33.2	24.72	16	33.2	G0	J	14	3325	E -22 2837
67		7.7R	9 42.357	-0.0006	15	-27 13 2.77	-0.056	15	0.30	42.367	16	33.2	1.83	16	33.2	K0	J	13B	2810	J -27 2795
68		9.3R	9 42.718	0.0006	18	-26 41 7.28	0.004	18	0.34	42.707	16	33.2	7.35	16	33.2	A5	M	14	3327	E -26 2792
69		8.0R	9 46.366	-0.0018	15	-26 43 11.14	-0.023	15	0.30	46.395	16	33.2	10.76	16	33.2	G5	J	14	3328	E -26 2793
70		9.0R	9 50.680	0.0001	15	-25 11 13.47	0.007	15	0.30	50.679	16	33.2	13.59	16	33.2	K2	J	14	3329	E -25 3005
71		8.9R	9 55.585	-0.0012	18	-24 26 34.63	0.018	18	0.34	55.604	16	33.2	34.93	16	33.2	F0	J	14	3331	E -24 3786
72		8.7R	9 57.589	-0.0003	20	-22 0 34.01	0.003	20	0.37	57.594	16	33.2	34.06	16	33.2	K2	J	14	3330	X -21 1152
73		9.3R	10 0.514	-0.0002	18	-22 8 34.53	0.002	18	0.34	0.516	16	33.2	34.56	16	33.2	K2	M	14	3332	E -22 2842
74		9.6R	10 1.418	-0.0002	20	-24 41 33.22	0.005	20	0.37	1.421	16	33.2	33.31	16	33.2	F8	M	14	3333	E -24 3788
75		8.6R	10 1.565	0.0017	18	-25 42 23.99	-0.016	18	0.34	1.536	16	33.2	23.72	16	33.2	K0	J	14	3334	E -25 3010
76		9.3R	10 3.298	0.0006	00	-26 47 45.31	0.024	20	0.28	3.285	16	33.2	45.72	16	33.2	F2	M	14	3335	E -26 2798
77		8.7R	10 5.935	0.0013	15	-25 14 26.00	-0.000	15	0.30	5.913	16	33.2	26.00	16	33.2	A0	J	14	3336	E -25 3012
78		7.3T	10 6.388	-0.0046	13	-26 2 12.02	-0.001	12	0.70	6.619	21	99.7	11.98	19	97.2	K0		GC	7912	C -26 2800
79		7.7R	10 15.406	-0.0008	18	-25 13 53.84	0.002	18	0.34	15.420	16	33.2	53.88	16	33.2	F0	J	14	3338K	E -25 3014
80		8.6R	10 23.739	0.0022	18	-24 30 31.87	0.020	18	0.34	23.702	16	33.2	32.21	16	33.2	K0	M	14	3341	E -24 3791
81		9.4R	10 24.222	0.0013	20	-26 6 37.44	0.002	20	0.37	24.201	16	33.2	37.48	16	33.2	K5	M	14	3343	E -26 2806
82		8.9A	10 24.850	-0.0006	15	-21 29 4.24	-0.002	11	0.27	24.860	16	33.2	4.20	16	33.2	A0	J	13A	2132	A -21 1386
83		8.6R	10 25.025	-0.0009	20	-26 37 9.43	-0.009	20	0.37	25.040	16	33.2	9.28	16	33.2	F2	J	14	3344	E -26 2807
84		8.8R	10 25.744	-0.0007	18	-25 27 25.07	0.005	18	0.34	25.756	16	33.2	25.16	16	33.2	K0	M	14	3342	E -25 3554
85		8.3R	10 26.204	-0.0013	18	-22 21 57.14	-0.017	18	0.34	26.225	16	33.2	56.85	16	33.2	A2	J	14	3339	E -22 2849
86		8.5R	10 26.272	0.0000	18	-22 32 48.98	0.020	18	0.34	26.272	16	33.2	49.33	16	33.2	A0	J	14	3340	E -22 2848
87		9.3R	10 30.123	0.0008	18	-23 7 10.74	-0.048	18	0.34	30.110	16	33.2	9.93	16	33.2	F8	M	14	3345	E -23 3556
88		8.3R	10 30.765	0.0002	12	-29 26 36.35	0.001	12	0.26	30.761	16	33.2	36.37	16	33.2	K2	J	13B	2814	J -29 2865
89		7.4T	10 34.376	-0.0085	16	-29 0 11.37	-0.060	13	0.74	34.783	18	02.1	8.33	18	99.4	F5		GC	7926	C -28 2792
90		9.4T	10 34.964	-0.0015	18	-21 44 10.02	0.024	17	0.86	35.035	18	02.7	11.17	18	01.7	K0		GC	7928	-21 1387
91		9.2R	10 34.987	0.0006	18	-25 15 15.20	-0.065	18	0.34	34.977	16	33.2	14.11	16	33.2	A0	J	14	3348	E -25 3017
92		9.3R	10 36.194	0.0010	17	-23 34 21.43	-0.002	17	0.32	36.176	16	33.2	21.39	16	33.2	F0	M	14	3347	E -23 3558
93		8.7R	10 36.452	0.0002	18	-23 34 1.97	-0.006	18	0.34	36.448	16	33.2	1.86	16	33.2	G5	M	14	3349	E -23 3559
94		7.7T	10 42.117	-0.0012	12	-27 42 43.04	-0.009	12	0.66	42.180	17	98.3	42.56	18	96.8	K0		GC	7932	C -27 2806
95		9.6R	10 42.392	-0.0006	15	-22 0 45.11	0.002	15	0.30	42.402	16	33.2	45.14	16	33.2	F0	M	14	3350	E -22 2855
96		7.7T	10 43.368	-0.0037	14	-27 43 55.10	-0.041	13	0.72	43.554	18	00.0	53.01	19	98.8	K		GC	7934	C*-27 2808
97		8.7R	10 47.094	-0.0051	20	-27 14 23.15	0.017	20	0.37	47.180	16	33.2	23.44	16	33.2	A2	J	13B	2821	J -27 2809
98		9.1R	10 49.264	-0.0014	18	-23 14 43.84	0.017	18	0.34	49.267	16	33.2	44.14	16	33.2	M0	M	14	3351	E -23 3563
99		8.7R	10 50.042	0.0007	17	-29 54 2.57	-0.032	17	0.32	50.029	16	33.2	2.03	16	33.2	F5	J	13B	2822	J -29 2871
00		9.0R	10 55.894	0.0022	18	-24 53 0.07	0.012	18	0.34	55.857	16	33.2	0.27	16	33.2	A0	J	14	3353	E -24 3798

171400

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	EPOCH 1950 μ s	σ_μ .001"	EPOCH 1950 δ_{1950} ° ′ ″	EPOCH 1950 μ' ″	$\sigma_{\mu'}$ .001"	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ .01	ep.	δ_2 ″	σ' .01	ep.	SP.		SOURCE CAT.	SOURCE STAR NUMBER	-20° 6H DM NUMBER
1		8.0T	6 10 56.211	-0.0011	13	-27 43 13.49	-0.029	16	0.75	56.267	18	00.0	12.09	19	01.4	G5		GC	7940	C*-27 2810
2		9.4R	10 58.221	-0.0021	18	-24 32 19.65	-0.046	18	0.34	58.257	16	33.2	18.88	16	33.2	G5	M	14	3354	E -24 3799
3		9.1R	10 58.760	-0.0032	18	-22 7 18.39	-0.111	18	0.34	58.814	16	33.2	16.52	16	33.2	K5	M	14	3352	E -22 2859
4		8.6R	10 58.802	0.0016	15	-25 58 41.23	-0.056	15	0.30	58.775	16	33.2	40.29	16	33.2	G5	J	14	3356	E -25 3025
5		9.1R	10 59.123	0.0018	18	-24 18 23.89	-0.005	18	0.34	59.093	16	33.2	23.80	16	33.2	G0	M	14	3355	E -24 3800
6		7.2T	11 1.661	0.0014	10	-28 26 57.50	0.027	08	0.49	1.587	15	96.5	58.94	14	96.5	A0		GC	7943	C -28 2800
7		8.8R	11 2.817	-0.0038	18	-23 58 40.43	0.035	18	0.34	2.880	16	33.2	41.01	16	33.2	G5	M	14	3357	E -23 3565
8		9.2R	11 3.693	-0.0003	18	-26 31 3.31	-0.015	18	0.34	3.698	16	33.2	3.06	16	33.2	K0	M	14	3358	E -26 2821
9		9.1R	11 3.898	-0.0011	17	-28 55 9.89	0.058	17	0.32	3.917	16	33.2	10.87	16	33.2	F8	M	13B	2825	J -28 2802
10		9.2R	11 6.615	0.0002	15	-25 47 36.28	-0.050	15	0.30	6.613	16	33.2	35.44	16	33.2	F0	J	14	3360	E -25 3026
11		8.4R	11 7.438	-0.0029	18	-24 36 14.78	-0.032	18	0.34	7.486	16	33.2	14.24	16	33.2	K0	M	14	3359	E -24 3802
12		8.5A	11 13.252	0.0011	18	-20 38 1.37	0.022	13	0.31	13.234	16	33.2	1.74	16	33.2	K0	J	13A	2138	A -20 1326
13		9.0R	11 13.262	0.0001	20	-28 6 54.40	0.042	20	0.37	13.260	16	33.2	55.11	16	33.2	K7M	J	13B	2826	J -28 2805
14		9.5R	11 15.646	0.0028	17	-22 7 22.94	0.028	17	0.32	15.599	16	33.2	23.41	16	33.2	G5	M	14	3361	E -22 2868
15		8.4R	11 15.902	0.0017	17	-29 25 16.26	0.017	17	0.32	15.874	16	33.2	16.55	16	33.2	G5	J	13B	2828	J -29 2880
16		9.2R	11 18.490	-0.0025	20	-22 31 57.82	0.025	20	0.37	18.533	16	33.2	58.25	16	33.2	B8	M	14	3363	E -22 2870
17		8.4A	11 20.426	0.0002	12	-21 15 7.03	-0.001	09	0.24	20.422	16	33.2	7.00	16	33.2	A0	J	13A	2139	A -21 1391
18		8.9R	11 23.958	0.0005	20	-27 19 30.87	0.033	20	0.37	23.949	16	33.2	31.43	16	33.2	K0	J	13B	2830	J -27 2817
19		9.1R	11 25.880	-0.0001	13	-22 46 4.94	-0.019	13	0.28	25.881	16	33.2	4.63	16	33.2	K0	M	14	3365	E -22 2875
20		9.5R	11 26.635	0.0003	20	-22 15 45.18	0.004	00	0.28	26.630	16	33.2	45.25	16	33.2	F5	M	14	3366	E*-22 2873
21		9.2R	11 26.640	0.0015	12	-24 31 32.90	0.024	12	0.26	26.614	16	33.2	33.31	16	33.2	K0	M	14	3367	E -24 3807
22		9.1R	11 28.992	0.0006	18	-23 1 11.75	-0.003	18	0.34	28.983	16	33.2	11.70	16	33.2	K2	M	14	3368	E -22 2877
23		8.4R	11 36.460	0.0005	17	-28 51 15.03	-0.000	13	0.30	36.451	16	33.2	15.03	16	33.2	F2	J	13B	2831	J -28 2811
24		8.3R	11 36.561	-0.0031	18	-23 20 2.60	-0.011	18	0.34	36.614	16	33.2	2.42	16	33.2	A0	J	14	3370	E -23 3575
25		6.4T	11 37.272	-0.0023	11	-29 22 50.57	-0.014	12	0.64	37.393	18	97.3	49.82	18	96.4	B8		GC	7958	C*-29 2883
26		9.0A	11 38.558	-0.0000	18	-20 44 51.20	0.027	13	0.31	38.559	16	33.2	51.64	16	33.2	M0	J	13A	2143	A -20 1328
27		8.5R	11 39.668	0.0096	12	-29 52 56.52	-0.002	12	0.26	39.507	16	33.2	56.48	16	33.2	G5	J	13B	2834	J -29 2884
28		6.4T	11 41.128	-0.0054	12	-23 50 53.01	0.116	11	0.63	41.407	18	98.1	59.31	18	95.6	G5		GC	7961	C*-23 3577
29		9.3R	11 41.247	0.0006	00	-26 11 42.13	-0.030	18	0.27	41.237	16	33.2	41.63	16	33.2	G0	M	14	3372	E -26 2830
30		9.6R	11 43.766	-0.0001	18	-24 43 9.22	-0.017	18	0.34	43.768	16	33.2	8.94	16	33.2	K0	M	14	3374	E -24 3814
31		9.0R	11 44.093	-0.0014	15	-25 49 47.63	-0.004	15	0.30	44.117	16	33.2	47.56	16	33.2	A2	J	14	3375K	E -25 3037
32		9.1R	11 44.980	-0.0009	18	-23 37 53.39	-0.035	18	0.34	44.994	16	33.2	52.79	16	33.2	K0	M	14	3373	E -23 3579
33		9.1A	11 54.112	0.0002	17	-20 58 52.59	-0.045	12	0.29	54.109	16	33.2	51.82	16	33.2	F8	J	13A	2145	A -20 1330
34		9.6R	12 1.503	-0.0010	20	-22 19 0.05	-0.060	20	0.37	1.520	16	33.2	59.04	16	33.2	A0	M	14	3376	E -22 2883
35		8.2R	12 9.633	-0.0004	18	-24 42 20.98	-0.068	18	0.34	9.640	16	33.2	19.83	16	33.2	G5	J	14	3377	E -24 3821
36		9.3R	12 11.025	0.0014	18	-26 49 32.74	0.010	18	0.34	11.001	16	33.2	32.91	16	33.2	K0	M	14	3380	E -26 2839
37		9.3R	12 12.771	-0.0011	18	-22 41 27.38	-0.040	18	0.34	12.791	16	33.2	28.06	16	33.2	K0	M	14	3378	E -22 2884
38		8.5R	12 17.328	0.0013	12	-26 8 51.27	-0.006	12	0.26	17.307	16	33.2	51.17	16	33.2	A0	J	14	3381	E -26 2841
39		9.4R	12 20.701	-0.0018	18	-26 17 51.53	0.050	18	0.34	20.731	16	33.2	52.53	16	33.2	A2	M	14	3382	E -26 2842
40		8.7R	12 24.203	0.0000	17	-28 30 16.37	0.053	17	0.32	24.203	16	33.2	17.25	16	33.2	F5	J	13B	2837	J -28 2820
41		8.9R	12 27.624	0.0015	12	-25 17 6.46	0.007	12	0.26	27.599	16	33.2	6.58	16	33.2	F0	J	14	3384	E -25 3045
42		7.9R	12 28.513	-0.0005	13	-22 12 12.79	-0.004	13	0.28	28.522	16	33.2	12.72	16	33.2	K0	J	14	3383	E -22 2886
43		8.8R	12 29.100	0.0002	12	-29 9 57.09	0.018	12	0.26	29.096	16	33.2	57.40	16	33.2	K2	M	13B	2838	J -29 2896
44		8.5R	12 30.156	-0.0004	17	-28 37 41.62	-0.007	17	0.32	30.162	16	33.2	41.50	16	33.2	F2	J	13B	2839	J -28 2823
45		8.7R	12 30.329	-0.0009	18	-23 42 54.00	-0.019	18	0.34	30.344	16	33.2	53.67	16	33.2	A5	J	14	3385	E -23 3591
46		8.7R	12 30.345	0.0015	12	-25 39 59.71	0.002	12	0.26	30.320	16	33.2	59.74	16	33.2	G5	J	14	3388	E -25 3046
47		9.5R	12 30.857	-0.0007	20	-24 22 8.94	0.051	20	0.37	30.868	16	33.2	9.80	16	33.2	G0	M	14	3386	E -24 3825
48		7.1T	12 34.525	-0.0003	13	-29 35 15.42	0.024	12	0.65	34.538	15	01.0	16.60	18	99.8	A0		GC	7989K	C*-29 2898
49		8.5R	12 36.127	-0.0022	18	-26 11 10.06	-0.016	18	0.34	36.165	16	33.2	9.79	16	33.2	K5	J	14	3390	E -26 2843
50		8.9R	12 38.597	0.0010	18	-24 24 21.29	-0.005	18	0.34	38.579	16	33.2	21.20	16	33.2	K0	J	14	3389	E -24 3828
51		9.4R	6 12 41.661	0.0013	20	-23 12 44.81	-0.065	20	0.37	41.639	16	33.2	43.73	16	33.2	A3	M	14	3391	E -23 3593
52		9.2R	12 47.656	0.0011	18	-23 46 14.27	0.003	18	0.34	47.637	16	33.2	14.32	16	33.2	K5	M	14	3393	E -23 3597
53		8.9R	12 49.405	-0.0007	18	-24 4 50.45	-0.008	18	0.34	49.416	16	33.2	50.31	16	33.2	K0	M	14	3394	E -24 3830
54		8.9R	12 50.836	-0.0052	18	-25 51 33.83	0.002	18	0.34	50.925	16	33.2	33.87	16	33.2	K2	J	14	3396	E -25 3049
55		9.4R	12 52.157	0.0025	18	-24 42 39.56	-0.024	18	0.34	52.115	16	33.2	39.16	16	33.2	F5	J	14	3395	E -24 3833
56		8.9R	12 56.249	-0.0032	12	-29 28 36.96	0.151	12	0.26	56.303	16	33.2	39.51	16	33.2	K5	M	13B	2843	J -29 2907
57		8.4R	12 57.288	-0.0023	17	-28 43 26.77	-0.015	17	0.32	57.326	16	33.2	26.52	16	33.2	A0	M	13B	2842	J -28 2831
58		5.7T	12 59.277	-0.0001	14	-20 15 20.09	0.028	12	0.62	59.283	21	07.1	21.37	19	04.7	K0		GC	7997	-20 1336
59		8.7R	13 2.633	-0.0010	12	-28 11 33.72	0.005	12	0.26	2.617	16	33.2	33.81	16	33.2	F2	J	13B	2844	J -28 2833
60		8.2A	13 4.673	-0.0031	18	-21 7 13.80	-0.005	13	0.31	4.726	16	33.2	13.72	16	33.2	K5	J	13A	2152	A -21 1399
61		7.3T	13 5.447	-0.0001	12	-29 20 54.18	-0.028	12	0.65	5.452	18	97.9	52.72	18	98.1	A2		GC	8006	C -29 2909
62		9.1R	13 6.963	-0.0019	18	-23 .5 27.83	-0.023	18	0.34	6.996	16	33.2	27.45	16	33.2	K0	M	14	3397	E -23 3600
63		8.7R	13 8.750	0.0019	18	-24 22 34.87	0.018	18	0.34	8.717	16	33.2	35.17	16	33.2	A2	J	14	3398K	E -24 3836
64		8.8A	13 13.619	-0.0011	17	-21 15 34.35	-0.007	12	0.29	13.637	16	33.2	34.22	16	33.2	K0	J	13A	2154	A -21 1400
65		9.0R	13 14.804	0.0020	18	-24 30 33.72	0.117	18	0.34	14.771	16	33.2	35.69	16	33.2	F8	M	14	3399K	E -24 3838
66		9.0R	13 21.968	-0.0013	18	-23 25 11.50	0.047	18	0.34	21.990	16	33.2	12.29	16	33.2	G0	M	14	3400	E -23 3607
67		9.2R	13 28.902	0.0015	12	-25 10 33.03	-0.013	12	0.26	28.877	16	33.2	32.81	16	33.2	K0	J	14	3402	A -25 3055
68		8.0A	13 32.564	0.0005	17	-20 11 2.72	0.024	12	0.29	32.555	16	33.2	3.13	16	33.2	K0	J	13A	2158	A -20 1339
69		8.8R	13 34.943	0.0003	15	-22 10 27.89	0.004	15	0.30	34.938	16	33.2	27.96	16	33.2	A0	J	14	3403K	E -22 2900
70		8.6R	13 43.767	-0.0002	12	-28 17 2.94	0.038	12	0.26	43.771	16	33.2	3.58	16	33.2	M0	M	13B	2848	J -28 2840
71		9.0R	13 46.669	0.0023	12	-28 20 13.56	0.019	12	0.26	46.631	16	33.2	13.88	16	33.2	K2	M	13B	2849	J -28 2842
72		9.5R	13 48.534	-0.0022	18	-22 10 46.05	-0.006	18	0.34	48.571	16	33.2	45.95	16	33.2	G	M	14	3405	E -22 2902
73		8.5R	13 49.710	-0.0003	18	-26 59 23.72	0.008	18	0.34	49.714	16	33.2	23.86	16	33.2	K0	J	14	3409	E -26 2865
74		8.5R	13 51.982	-0.0011	18	-22 43 42.77	0.005	18	0.34	52.002	16	33.2	42.86	16	33.2	K0	M	14	3406	E -22 2904
75		9.1A	13 52.274	-0.0002	15	-21 8 25.47	0.055	11	0.27	52.278	16	33.2	26.38	16	33.2	G0	J	13A	2160	A -21 1405
76		8.6R	13 52.400	-0.0056	20	-23 20 11.91	-0.034	20	0.37	52.494	16	33.2	11.34	16	33.2	G5	M	14	3408	E -23 3622
77		9.7R	13 54.500	0.0015	18	-23 42 13.52	0.015	18	0.34	54.474	16	33.2	13.78	16	33.2	A5	M	14	3410	E -23 3626
78		8.7R	13 55.808	0.0002	18	-23 18 52.94	-0.031	18	0.34	55.804	16	33.2	52.43	16	33.2	K0	M	14	3412	E -23 3625
79		8.5R	13 55.975	0.0034	18	-23 8 20.98	-0.051	18	0.34	55.918	16	33.2	20.13	16	33.2	G5	J	14	3411	E -23 3624
80		9.0R	13 57.528	-0.0011	12	-25 16 21.82	-0.018	12	0.26	57.546	16	33.2	21.52	16	33.2	K0	J	14	3414	E -25 3063
81		8.7R	13 58.705	0.0005	18	-24 59 14.08	0.004	18	0.34	58.697	16	33.2	14.15	16	33.2	A0	J	14	3415	E -24 3846
82		6.6T	14 1.579	-0.0001	10	-29 46 12.86	0.007	09	0.54	1.583	15	95.4	13.25	17	91.2	K2		GC	8042	C -29 2936
83		9.3R	14 6.086	-0.0013	20	-26 2 28.06	-0.001	20	0.37	6.109	16	33.2	28.05	16	33.2	K0	M	14	3418	E -26 2869
84		8.6R	14 7.913	0.0006	00	-26 26 0.67	-0.011	18	0.27	7.903	16	33.2	0.49	16	33.2	G5	J	14	3421	E -26 2870
85		9.1R	14 10.036	-0.0007	13	-24 27 54.36	-0.008	13	0.28	10.047	16	33.2	54.22	16	33.2	A7	M	14	3420	E -24 3852
86		8.8R	14 15.136	-0.0018	18	-26 33 51.20	-0.002	18	0.34	15.165	16	33.2	51.17	16	33.2	A5	J	14	3423	E -26 2872
87		8.8R	14 18.225	-0.0030	17	-28 8 36.31	0.013	17	0.32	18.276	16	33.2	36.53	16	33.2	A5	J	13B	2852	J -28 2848
88		9.2R	14 23.247	-0.0047	18	-23 45 22.54	-0.087	18	0.34	23.325	16	33.2	21.07	16	33.2	G5	M	14	3425	E -23 3633
89		8.5A	14 26.191	-0.0021	17	-20 11 15.60	0.003	13	0.30	26.226	16	33.1	15.66	16	33.1	K0	J	13A	2164	A -20 1345
90		9.6R	14 28.832	0.0018	15	-22 26 34.31	0.017	15	0.30	28.802	16	33.2	34.59	16	33.2	K0	M	14	3426	E -22 2912
91		8.8A	14 29.654	0.0007	18	-20 37 18.07	0.017	13	0.31	29.643	16	33.1	18.35	16	33.1	A0	J	13A	2165	A -20 1347
92		8.6R	14 46.101	-0.0001	18	-24 55 41.30	-0.013	18	0.34	46.103	16	33.2	41.08	16	33.2	K5	J	14	3429	E -24 3857
93		9.0R	14 47.690	-0.0004	17	-29 37 1.23	0.009	17	0.32	47.697	16	33.2	1.37	16	33.2	F8	M	13B	2853	J -29 2946
94		9.1R	14 48.058	-0.0004	15	-23 4 55.54	-0.007	15	0.30	48.064	16	33.2	55.43	16	33.2	G5	M	14	3428	E -23 3641
95		9.5R	14 49.258	0.0064	20	-23 53 11.71	-0.170	20	0.37	49.149	16	33.2	8.85	16	33.2	G5	M	14	3430	E -23 3643
96		8.5R	14 49.865	-0.0006	17	-28 54 54.78	0.025	17	0.32	49.875	16	33.2	55.20	16	33.2	K2	J	13B	2854	J -28 2852
97		9.1R	14 51.785	-0.0016	15	-25 29 41.71	0.009	15	0.30	51.811	16	33.2	41.86	16	33.2	F8	J	14	3434	E -25 3083
98		9.1R	14 54.524	-0.0021	18	-23 26 16.88	-0.001	18	0.34	54.560	16	33.2	16.86	16	33.2	K0	M	14	3433	E -23 3646
99		8.9A	14 54.666	-0.0002	17	-21 9 8.53	0.010	12	0.29	54.670	16	33.1	8.70	16	33.1	M1	J	13A	2168	A -21 1408
00		8.8R	14 55.525	-0.0002	13	-22 25 0.44	0.071	13	0.28	55.529	16	33.2	1.63	16	33.2	G0	J	14	3432	E -22 2915

171500

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	EPOCH 1950 μ s	EPOCH 1950 σ_μ .001	EPOCH 1950 δ_{1950} ° ′ ″	EPOCH 1950 μ' ″	EPOCH 1950 $\sigma_{\mu'}$ .001	EPOCH 1950 σ_{1950} ″
1		9.0R	6 14 55.939	-0.0009	12	-26 24 20.86	0.014	12	0.26
2		6.0T	14 57.261	0.0083	07	-22 41 31.65	-0.252	06	0.31
3		8.9R	14 59.765	0.0005	17	-29 17 37.90	0.037	17	0.32
4		8.0R	15 0.926	0.0006	17	-29 51 6.47	0.060	17	0.32
5		8.5R	15 1.300	0.0009	13	-24 33 41.76	-0.028	13	0.28
6		6.9T	15 1.583	-0.0008	10	-22 21 15.71	-0.002	09	0.54
7		8.6R	15 5.398	-0.0005	17	-29 19 8.90	0.011	17	0.32
8		6.8T	15 8.764	0.0005	13	-24 3 16.53	-0.033	11	0.67
9		9.1R	15 9.066	-0.0031	15	-23 55 54.83	0.031	15	0.30
10		8.6A	15 11.075	-0.0024	17	-21 43 22.53	0.005	12	0.29
11		8.9R	15 11.117	-0.0014	20	-27 23 31.06	0.014	15	0.33
12		9.1R	15 12.824	-0.0019	13	-24 49 3.64	-0.045	13	0.28
13		6.8T	15 14.096	-0.0022	14	-26 54 48.94	0.013	12	0.69
14		9.0R	15 20.541	-0.0021	20	-29 34 38.92	-0.028	20	0.37
15		9.0R	15 24.867	-0.0023	18	-24 12 45.91	0.006	18	0.34
16		9.5R	15 25.293	0.0010	18	-23 55 41.50	0.008	18	0.34
17		8.6R	15 27.817	-0.0009	12	-26 0 13.70	0.014	12	0.26
18		8.8R	15 28.304	-0.0019	13	-23 30 33.55	-0.013	13	0.28
19		9.3R	15 32.403	-0.0035	20	-29 25 12.34	0.027	20	0.37
20		8.7A	15 33.048	0.0019	15	-21 44 15.36	-0.038	12	0.28
21		7.3R	15 33.796	0.0048	18	-24 25 22.77	-0.118	18	0.34
22		8.7R	15 36.912	-0.0015	15	-26 41 59.78	0.020	15	0.30
23		9.0R	15 37.879	-0.0038	17	-28 53 20.62	-0.003	17	0.32
24		9.4R	15 44.120	-0.0006	18	-23 12 19.49	0.020	18	0.34
25		8.7R	15 49.448	0.0000	18	-24 11 58.51	-0.056	18	0.34
26		9.1R	15 54.044	0.0038	20	-29 38 52.91	-0.003	20	0.37
27		8.7R	15 58.520	-0.0025	18	-23 8 59.55	-0.010	18	0.34
28		8.3R	16 2.293	-0.0003	20	-29 49 43.09	-0.021	20	0.37
29		8.9R	16 3.013	0.0017	20	-29 37 22.16	0.005	20	0.37
30		8.6R	16 11.796	0.0002	15	-27 12 53.95	0.022	15	0.30
31		8.6R	16 15.134	-0.0025	17	-29 9 45.95	-0.002	17	0.32
32		9.0R	16 16.588	0.0034	20	-28 57 25.09	0.004	20	0.37
33		8.3R	16 21.023	0.0007	15	-24 18 35.63	-0.009	15	0.30
34		9.3R	16 21.148	0.0001	20	-22 48 20.87	-0.003	20	0.37
35		8.5R	16 21.808	-0.0013	18	-27 2 28.44	0.018	18	0.34
36		9.1R	16 26.671	0.0013	20	-28 37 50.60	0.091	20	0.37
37		8.5R	16 27.615	0.0020	18	-24 15 55.33	0.046	18	0.34
38		9.0R	16 30.447	-0.0019	20	-28 13 18.28	-0.046	20	0.37
39		9.1R	16 34.756	-0.0011	20	-29 16 48.07	0.026	20	0.37
40		9.0R	16 35.477	0.0003	20	-29 5 7.25	0.041	20	0.37
41		9.0R	16 37.769	-0.0008	20	-28 9 23.40	0.044	20	0.37
42		8.8A	16 38.202	-0.0001	13	-21 56 58.95	0.001	11	0.26
43		9.2R	16 39.628	0.0034	18	-22 12 52.00	0.016	18	0.34
44		8.6R	16 40.862	-0.0021	18	-24 40 1.90	-0.007	18	0.34
45		9.4R	16 43.849	-0.0024	18	-22 49 59.67	-0.002	18	0.34
46		8.6R	16 44.848	-0.0007	15	-26 18 20.06	-0.003	12	0.28
47		9.0R	16 48.614	-0.0003	18	-25 44 12.66	0.002	18	0.34
48		8.6R	16 50.437	-0.0033	20	-29 24 54.07	-0.036	20	0.37
49		5.7T	16 50.708	-0.0010	09	-20 54 14.89	-0.011	08	0.35
50		8.3A	16 51.175	-0.0007	18	-22 0 48.28	0.014	13	0.31
51		9.1R	6 16 52.657	-0.0004	20	-29 23 1.83	-0.001	20	0.37
52		7.1T	16 52.853	-0.0020	13	-24 59 28.51	0.002	11	0.67
53		8.0R	16 54.437	-0.0003	20	-28 6 7.98	0.119	20	0.37
54		9.0R	16 56.583	-0.0005	18	-23 21 5.12	-0.063	18	0.34
55		8.7R	16 57.893	-0.0021	13	-22 12 56.57	-0.007	13	0.28
56		8.6R	16 58.411	0.0002	18	-23 30 42.15	-0.016	18	0.34
57		8.7R	17 4.313	0.0005	20	-28 55 24.63	0.005	20	0.37
58		9.4R	17 5.174	-0.0061	18	-23 0 7.05	-0.010	18	0.34
59		9.2R	17 6.406	-0.0013	18	-24 49 32.25	-0.014	18	0.34
60		8.9R	17 9.796	-0.0019	20	-28 16 28.64	0.029	20	0.37
61		8.4R	17 12.476	0.0005	18	-27 9 33.66	0.010	15	0.32
62		7.2D	17 12.599	-0.0009	13	-24 57 10.11	0.016	11	0.67
63		8.3T	17 13.075	0.0004	17	-24 56 9.55	-0.039	14	0.79
64		9.3R	17 13.085	-0.0024	15	-24 35 0.24	-0.004	15	0.30
65		8.0R	17 13.320	0.0018	20	-28 59 35.42	-0.014	20	0.37
66		9.1R	17 14.620	-0.0034	20	-28 40 26.58	0.014	20	0.37
67		8.6R	17 20.609	-0.0016	18	-22 19 27.75	-0.002	18	0.34
68		9.4R	17 23.156	0.0014	18	-25 48 19.68	0.017	18	0.34
69		9.4R	17 28.347	0.0008	18	-25 11 7.76	-0.021	18	0.34
70		9.4R	17 29.660	-0.0008	20	-23 47 53.52	0.038	20	0.37
71		6.5T	17 31.519	-0.0046	20	-22 4 50.20	0.014	18	0.94
72		9.4R	17 32.524	0.0028	15	-25 18 21.83	0.012	15	0.30
73		8.6R	17 37.845	-0.0045	20	-25 55 8.37	0.007	20	0.37
74		9.2R	17 39.267	-0.0065	20	-22 16 30.30	-0.020	20	0.37
75		8.4R	17 39.919	-0.0009	18	-22 39 9.57	-0.018	18	0.34
76		7.3R	17 39.935	-0.0033	20	-26 57 37.54	-0.069	20	0.37
77		9.0R	17 41.698	0.0006	15	-24 48 7.61	0.003	20	0.33
78		9.2A	17 44.010	0.0012	17	-20 51 8.05	0.001	12	0.29
79		8.1R	17 45.916	-0.0008	12	-25 22 59.51	-0.010	12	0.26
80		8.6R	17 47.571	-0.0001	18	-24 6 4.36	0.027	18	0.34
81		8.7A	17 49.891	-0.0002	18	-20 30 28.53	0.012	13	0.31
82		9.1R	17 53.508	0.0007	20	-28 52 42.26	0.021	20	0.37
83		9.2R	17 55.791	-0.0030	20	-29 47 0.92	-0.011	20	0.37
84		8.9R	17 58.511	-0.0008	20	-28 18 59.82	0.012	20	0.37
85		8.7R	17 58.564	-0.0002	18	-23 45 18.56	-0.026	18	0.34
86		8.1R	18 0.079	-0.0013	18	-23 4 56.00	0.004	18	0.34
87		9.1R	18 1.944	0.0017	20	-26 52 52.46	0.020	20	0.37
88		9.5R	18 6.460	-0.0023	20	-23 31 29.19	0.008	20	0.37
89		9.2R	18 7.380	-0.0018	21	-26 8 22.56	-0.019	21	0.39
90		9.2A	18 8.823	-0.0020	18	-22 4 0.27	-0.000	13	0.31
91		8.5R	18 8.855	0.0007	20	-26 45 18.82	0.028	20	0.37
92		9.2R	18 9.930	-0.0007	20	-25 51 0.07	0.019	20	0.37
93		9.1R	18 14.368	-0.0006	20	-22 48 22.55	0.007	20	0.37
94		9.3R	18 14.836	0.0009	18	-24 7 45.35	-0.027	18	0.34
95		9.0R	18 16.748	-0.0006	21	-26 33 38.79	0.013	21	0.39
96		7.8T	18 18.389	0.0002	12	-29 59 41.38	0.015	09	0.57
97		9.0R	18 22.962	0.0075	17	-29 35 36.48	0.076	17	0.32
98		8.2R	18 23.397	0.0048	13	-29 35 26.14	0.015	13	0.28
99		9.0R	18 26.044	0.0023	20	-29 48 47.45	0.016	20	0.37
00		8.6A	18 27.222	0.0004	17	-20 39 15.71	0.007	13	0.30

NUMBER	ORIGINAL EPOCH α_2 s	σ .01	ep.	δ_2 ″	σ' .01	ep.	SP.		SOURCE CAT.	STAR NUMBER	-20° 6H DM NUMBER
1	55.954	16	33.2	21.10	16	33.2	K0	M	14	3438	E -26 2881
2	56.911	12	08.0	19.57	12	02.0	G0		GC	8065K	-22 1364
3	59.756	16	33.2	38.52	16	33.2	A2	J	13B	2856	J -29 2948
4	0.916	16	33.2	7.47	16	33.2	F5	J	13B	2858	J -29 2949
5	1.285	16	33.2	41.29	16	33.2	A3	J	14	3439	E -24 3861
6	1.626	15	96.3	15.59	15	95.5	A0		GC	8066	B+-22 1365
7	5.407	16	33.2	9.09	16	33.2	K5	J	13B	2860	J -29 2951
8	8.738	18	99.0	14.72	18	95.3	G5		GC	8067	C -24 3862
9	9.117	16	33.2	55.35	16	33.2	G5	J	14	3441	E -23 3651
10	11.115	16	33.1	22.61	16	33.1	G5	J	13A	2172	A -21 1410
11	11.140	16	33.2	31.30	16	33.2	A0	J	13B	2861	J -27 2858
12	12.855	16	33.2	2.88	16	33.2	A2	M	14	3442	E -24 3863
13	14.203	17	00.2	49.64	18	97.1	G5		GC	8071	C -25 2889
14	20.576	16	33.2	38.45	16	33.2	F5	M	13B	2862	J -29 2954
15	24.906	16	33.2	46.00	16	33.2	K0	M	14	3446	E -24 3869
16	25.277	16	33.2	41.63	16	33.2	A0	M	14	3445	E -23 3658
17	27.832	16	33.2	13.94	16	33.2	A0	J	14	3448	E -25 3089
18	28.335	16	33.2	33.32	16	33.2	A2	J	14	3447	E -23 3660
19	32.462	16	33.2	12.80	16	33.2	A0	J	13B	2865	J -29 2960
20	33.015	16	33.1	14.72	16	33.1	G5	J	13A	2175	A -21 1411
21	33.714	16	33.2	20.78	16	33.2	F5	J	14	3449	E -24 3871
22	36.937	16	33.2	+ 0.12	16	33.2	F2	J	14	3451	E -26 2894
23	37.943	16	33.2	20.56	16	33.2	F0	J	13B	2866	J -28 2964
24	44.131	16	33.2	19.83	16	33.2	F8	M	14	3453	E -23 3666
25	49.447	16	33.2	57.56	16	33.2	K0	M	14	3454	E -24 3879
26	53.980	16	33.2	52.86	16	33.2	K0	M	13B	2867	J -29 2967
27	58.562	16	33.2	59.38	16	33.2	A5	M	14	3455	E -23 3673
28	2.299	16	33.2	42.73	16	33.2	K2	J	13B	2869	J -29 2972
29	2.985	16	33.2	22.24	16	33.2	G0	J	13B	2870	J -29 2970
30	11.793	16	33.2	54.33	16	33.2	F5	J	13B	2872	J -27 2868
31	15.177	16	33.2	45.92	16	33.2	K2	M	13B	2874	J -29 2975
32	16.532	16	33.2	25.16	16	33.2	G5	M	13B	2875	J -28 2877
33	21.012	16	33.2	35.47	16	33.2	G5	J	14	3463	E -24 3893
34	21.147	16	33.2	20.83	16	33.2	G	M	14	3460	E -22 2935
35	21.830	16	33.2	28.75	16	33.2	K0	J	13B	2876	J -27 2870
36	26.649	16	33.2	52.13	16	33.2	G	M	13B	2877	J -28 2883
37	27.580	16	33.2	56.11	16	33.2	G5	J	14	3464	E -24 3897
38	30.479	16	33.2	17.51	16	33.2	F8	M	13B	2878	J -28 2886
39	34.774	16	33.2	48.51	16	33.2	A3	M	13B	2879	J -29 2953
40	35.472	16	33.2	7.94	16	33.2	G5	M	13B	2880	J -29 2984
41	37.782	16	33.2	24.14	16	33.2	F0	M	13B	2881	J -28 2889
42	38.204	16	33.1	58.97	16	33.1	K0	J	13A	2179	A -21 1417
43	39.571	16	33.2	52.27	16	33.2	G0	J	14	3465	E -22 2939
44	40.897	16	33.2	1.78	16	33.2	M0	M	14	3466	E -24 3900
45	43.774	16	33.2	59.64	16	33.2	F3	M	14	3467	E -22 2940
46	44.859	16	33.2	20.01	16	33.2	G5	J	14	3468	E -26 2910
47	48.619	16	33.2	12.70	16	33.2	A0	J	14	3469	E -25 3101
48	50.492	16	33.2	53.47	16	33.2	A5	J	13B	2885	J -29 2988
49	50.748	12	11.2	14.42	12	09.0	B5		GC	8120	-20 1355
50	51.186	16	33.1	48.52	16	33.1	A0	J	13A	2182	A -21 1418
51	52.664	16	33.2	1.82	16	33.2	A0	M	13B	2887	J -29 2990
52	52.952	18	99.4	28.63	18	96.0	B9		GC	8121	C -24 3906
53	54.442	16	33.2	9.99	16	33.2	G0	J	13B	2886	J -28 2897
54	56.592	16	33.2	4.07	16	33.2	K0	M	14	3472	E -23 3695
55	57.928	16	33.2	56.45	16	33.2	F8	M	14	3471	E -22 2944
56	58.407	16	33.2	41.88	16	33.2	K0	J	14	3473	E -23 3696
57	4.304	16	33.2	24.72	16	33.2	K0	J	13B	2888	J -28 2898
58	5.277	16	33.2	6.89	16	33.2	K0	M	14	3474	E -22 2948
59	6.427	16	33.2	32.01	16	33.2	K0	M	14	3475	E -24 3911
60	9.828	16	33.2	29.13	16	33.2	A0	J	13B	2889	J -28 2900
61	12.467	16	33.2	33.83	16	33.2	B9	J	13B	2890	J -27 2880
62	12.647	18	99.1	10.99	18	95.5	A0		GC	8129K	C -24 3915
63	13.053	19	02.1	7.60	19	99.8			GC	8130K	C -24 3914
64	13.126	16	33.2	0.18	16	33.2	F2	M	14	3477	E -24 3912
65	13.269	16	33.2	35.19	16	33.2	K5	J	13B	2892	J -28 2902
66	14.678	16	33.2	26.82	16	33.2	F8	M	13B	2893	J -28 2901
67	20.636	16	33.2	27.72	16	33.2	A2	J	14	3479	E -22 2952
68	23.132	16	33.2	19.97	16	33.2	G0	M	14	3481	E -25 3113
69	28.333	16	33.2	7.41	16	33.2	K0	M	14	3484	E -25 3114
70	29.673	16	33.2	54.15	16	33.2	F8	M	14	3483	E -23 3709
71	31.739	19	02.2	50.89	18	00.5	K2		GC	8141	B+-22 1379
72	32.477	16	33.2	22.03	16	33.2	A5	J	14	3485	E -25 3118
73	37.921	16	33.2	8.49	16	33.2	G5	M	14	3488	E -25 3120
74	39.376	16	33.2	29.96	16	33.2	A5	M	14	3486	E -22 2958
75	39.935	16	33.2	9.28	16	33.2	K0	J	14	3487	E -22 2959
76	39.990	16	33.2	36.38	16	33.2	K2	J	14	3490	E -26 2922
77	41.688	16	33.2	7.66	16	33.2	K5	M	14	3489	E -24 3921
78	43.989	16	33.1	8.07	16	33.1	K2	J	13A	2191	A -20 1358
79	45.930	16	33.2	59.34	16	33.2	K0	J	14	3492	E -25 3123
80	47.572	16	33.2	4.82	16	33.2	A2	J	14	3491	E -24 3922
81	49.894	16	33.1	28.73	16	33.1	B9	J	13A	2192	A -20 1359
82	53.497	16	33.2	42.61	16	33.2	A3	M	13B	2895	J -28 2913
83	55.841	16	33.2	0.73	16	33.2	K2	M	13B	2897	J -29 3002
84	58.525	16	33.2	+ 0.02	16	33.2	B9	J	14	3496	E -26 2928
85	58.567	16	33.2	18.12	16	33.2	K2	J	14	3493	E -23 3716
86	0.101	16	33.2	56.08	16	33.2	A5	J	14	3495	E -23 3718
87	1.916	16	33.2	52.80	16	33.2	F8	M	14	3498	E -26 2930
88	6.499	16	33.2	29.32	16	33.2	F5	M	14	3497	E -23 3722
89	7.411	16	33.2	22.24	16	33.2	F5	M	14	3499	E -26 2932
90	8.856	16	33.1	0.27	16	33.1	F2	J	13A	2194	A -22 1383
91	8.843	16	33.2	19.29	16	33.2	K0	J	14	3501	E -26 2933
92	9.941	16	33.2	0.39	16	33.2	F5	M	14	3500	E -25 3125
93	14.378	16	33.2	22.68	16	33.2	A3	M	14	3502	E -22 2973
94	14.821	16	33.2	44.89	16	33.2	K0	M	14	3503	E -24 3929
95	16.757	16	33.2	39.01	16	33.2	A0	J	14	3504	E -26 2934
96	18.378	19	00.8	42.16	18	97.2	K0		GC	8164	C -29 3008
97	22.836	16	33.2	37.75	16	33.2	K0	J	13B	2902	J+-29 3009
98	23.316	16	33.2	26.38	16	33.2	K0	J	13B	2903	J+-29 3009
99	26.005	16	33.2	47.71	16	33.2	K0	M	13B	2905	J -29 3012
00	27.216	16	33.1	15.82	16	33.1	K5	J	13A	2197	A -20 1362

171600

EPOCH 1950 — ORIGINAL EPOCH — SOURCE — -20° 6H

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	α_{1950} h m s	μ s	σ_μ .001	δ_{1950} ° ′ ″	μ' ″	σ'_μ .001	σ_{1950} ″	α_2 s	σ .01	ep.	δ_2 ″	σ' .01	ep.	SP.	CAT.	STAR NUMBER	DM NUMBER
1		9.3R	6 18 28.150	0.0022	20	-29 2 24.92	0.021	20	0.37	28.113	16	33.2	25.27	16	33.2	F8 M	13B	2906	J -29 3011
2		6.6T	18 30.524	-0.0035	13	-23 36 47.75	-0.059	11	0.65	30.702	15	99.0	44.51	18	95.2	K0	GC	8171	C*-23 3729
3		8.2R	18 31.017	-0.0035	20	-25 2 59.24	-0.016	20	0.37	31.076	16	33.2	58.97	16	33.2	A2 J	14	3506	E -25 3130
4		8.8R	18 39.273	-0.0010	20	-27 22 41.71	-0.002	20	0.37	39.290	16	33.2	41.68	16	33.2	K0 M	13B	2907	J -27 2904
5		9.3R	18 40.249	-0.0011	20	-22 12 12.49	-0.000	20	0.37	40.267	16	33.2	12.49	16	33.2	M0 J	14	3508	E -22 2981
6		9.0R	18 42.279	-0.0019	20	-26 36 5.05	0.013	20	0.37	42.311	16	33.2	5.27	16	33.2	K0 M	14	3510	E -26 2939
7		7.6R	18 43.092	-0.0015	18	-24 16 34.04	0.037	18	0.34	43.118	16	33.2	34.66	16	33.2	B8 J	14	3509	E -24 3935
8		9.0R	18 50.204	0.0009	20	-29 1 43.08	0.012	20	0.37	50.189	16	33.2	43.28	16	33.2	G5 M	13B	2908	J -28 2925
9		7.4T	19 0.407	0.0030	09	-29 38 43.95	-0.071	09	0.40	0.278	09	07.5	40.90	10	07.3	F0	GC	8184	C -29 3021
10		8.6R	19 0.949	-0.0007	20	-25 36 13.79	-0.012	20	0.37	0.961	16	33.2	13.59	16	33.2	F0 J	14	3512	E -25 3136
11		8.4R	19 1.999	-0.0010	18	-22 19 1.86	0.039	18	0.34	2.016	16	33.2	2.52	16	33.2	K0 J	14	3511	E -22 2985
12		8.4A	19 2.476	0.0006	17	-21 17 17.04	-0.015	12	0.29	2.466	16	33.1	16.77	16	33.1	K0 J	13A	2203	A -21 1428
13		8.7R	19 8.767	-0.0028	18	-24 29 23.10	0.054	18	0.34	8.815	16	33.2	24.00	16	33.2	G0 J	14	3513	E -24 3942
14		8.9A	19 10.192	0.0009	15	-20 25 28.63	0.011	12	0.28	10.177	16	33.1	28.82	16	33.1	A0 J	13A	2205	A -20 1365
15		9.0R	19 11.513	0.0009	18	-24 13 44.39	0.027	18	0.34	11.498	16	33.2	44.85	16	33.2	A0 J	14	3515	E -24 3943
16		8.1R	19 14.147	-0.0009	17	-26 27 55.65	0.027	17	0.32	14.162	16	33.2	56.11	16	33.2	B9 M	14	3516	E -26 2946
17		9.1R	19 16.320	0.0018	17	-29 24 51.15	-0.004	17	0.32	16.289	16	33.2	51.07	16	33.2	G5 M	13B	2912	J -29 3026
18		8.6A	19 20.790	-0.0025	18	-21 29 12.83	0.025	13	0.31	20.833	16	33.1	13.25	16	33.1	K0 J	13A	2206	A -21 1430
19		9.1A	19 26.288	-0.0004	18	-20 48 12.69	0.009	13	0.31	26.282	16	33.1	12.83	16	33.1	F5 J	13A	2209	A -20 1366
20		8.4T	19 26.387	-0.0001	26	-22 11 11.46	-0.232	22	1.12	26.392	19	04.6	0.62	18	03.3	K0	GC	8195	C -22 1389
21		9.5R	19 28.927	-0.0045	20	-25 6 53.92	-0.019	20	0.37	29.002	16	33.2	53.60	16	33.2	G0 M	14	3518	E -25 3142
22		9.2R	19 30.372	-0.0030	15	-25 14 54.75	0.008	15	0.30	30.422	16	33.2	54.87	16	33.2	G5 M	14	3519	E -25 3143
23		7.7T	19 34.648	0.0006	14	-29 7 35.26	0.039	12	0.71	34.617	19	99.1	37.40	18	95.0	F5	GC	8199	C*-29 3031
24		8.7R	19 36.214	-0.0030	20	-22 42 49.29	-0.001	20	0.37	36.265	16	33.2	49.27	16	33.2	K5 M	14	3521	E -22 3000
25		9.5R	19 36.868	0.0005	12	-22 9 25.62	0.012	12	0.26	36.860	16	33.2	25.82	16	33.2	G0 M	14	3520	E -22 2999
26		7.9R	19 37.931	-0.0004	18	-25 19 33.72	-0.048	18	0.34	37.937	16	33.2	32.91	16	33.2	F0 J	14	3522	E -25 3144
27		8.0R	19 44.515	-0.0018	20	-27 28 54.53	-0.025	20	0.37	44.544	16	33.2	54.11	16	33.2	F8 J	13B	2914	J -27 2918
28		9.3R	19 44.568	-0.0021	20	-29 32 16.02	0.007	20	0.37	44.603	16	33.2	16.14	16	33.2	F8 M	13B	2916	J -29 3033
29		9.0R	19 44.704	-0.0004	20	-23 7 32.82	-0.009	20	0.37	44.710	16	33.2	32.68	16	33.2	K0 J	14	3523	E -23 3755
30		9.5R	19 45.422	0.0020	20	-23 32 14.89	-0.011	20	0.37	45.387	16	33.2	14.70	16	33.2	F8 M	14	3524	E -23 3756
31		9.3R	19 46.451	-0.0007	15	-24 42 53.62	0.023	15	0.30	46.462	16	33.2	54.01	16	33.2	K0 M	14	3526	E -24 3952
32		9.1R	19 51.032	0.0060	18	-24 15 24.02	0.008	18	0.34	50.931	16	33.2	24.16	16	33.2	K0 M	14	3527	E -24 3953
33		8.2R	19 57.424	0.0011	15	-26 20 40.39	-0.010	12	0.28	57.407	16	33.2	40.22	16	33.2	B8 M	14	3529	E -26 2953
34		9.0R	19 58.619	-0.0006	13	-22 55 7.11	0.031	13	0.28	58.630	16	33.2	7.64	16	33.2	F5 J	14	3528	E -22 3007
35		9.4R	20 3.748	0.0014	18	-23 16 11.88	-0.018	18	0.34	3.725	16	33.2	11.59	16	33.2	F0 J	14	3530	E -23 3764
36		9.5R	20 6.688	0.0020	18	-26 26 2.59	0.025	18	0.34	6.654	16	33.2	3.01	16	33.2	F8 M	14	3532	E -26 2954
37		9.0R	20 10.431	-0.0019	17	-27 49 5.75	0.001	17	0.32	10.463	16	33.2	5.77	16	33.2	F8 M	13B	2918	J -27 2923
38		8.8R	20 10.440	-0.0021	18	-22 13 19.36	0.046	18	0.34	10.475	16	33.2	20.13	16	33.2	F2 J	14	3531	E -22 3009
39		9.4R	20 11.073	-0.0012	12	-24 38 7.79	-0.020	12	0.26	11.093	16	33.2	7.45	16	33.2	A0 M	14	3533	E -24 3960
40		9.0R	20 14.094	-0.0035	20	-29 55 36.89	0.043	20	0.37	14.153	16	33.2	37.60	16	33.2	F8 M	13B	2921	J -29 3036
41		9.3R	20 14.308	0.0029	20	-27 5 36.39	0.010	20	0.37	14.259	16	33.2	36.56	16	33.2	K0 M	13B	2920	J -27 2924
42		8.0R	20 14.914	-0.0005	12	-26 15 5.07	-0.027	12	0.26	14.923	16	33.2	4.62	16	33.2	K2 J	14	3535	E -26 2960
43		9.6R	20 16.061	-0.0027	20	-23 38 41.71	0.001	17	0.34	16.106	16	33.2	41.73	16	33.2	G M	14	3534	E -23 3767
44		8.4R	20 19.661	0.0034	18	-23 34 0.36	-0.071	18	0.34	19.603	16	33.2	59.17	16	33.2	A3 J	14	3536	E -23 3768
45		9.7R	20 21.381	0.0009	20	-25 37 48.55	0.022	20	0.37	21.365	16	33.2	48.93	16	33.2	G M	14	3538	E -22 3012
46		8.1R	20 21.496	0.0022	15	-22 34 20.21	0.019	20	0.33	21.460	16	33.2	20.53	16	33.2	K2 J	14	3537	E -22 3013
47		8.3T	20 23.154	0.0013	18	-29 50 0.36	-0.021	13	0.79	23.091	21	02.8	59.30	17	00.6	F0	GC	8220	C -29 3037
48		8.7R	20 27.882	-0.0008	20	-27 40 28.19	-0.019	20	0.37	27.896	16	33.2	27.87	16	33.2	K2 M	13B	2923	J -27 2926
49		9.0R	20 29.750	-0.0056	18	-22 14 55.21	0.036	18	0.34	29.844	16	33.2	55.81	16	33.2	G0 J	14	3539	E -22 3015
50		8.9R	20 40.375	-0.0030	21	-23 41 29.63	-0.010	21	0.39	40.426	16	33.2	29.45	16	33.2	F5 M	14	3540	E -23 3776
51		9.0R	6 20 41.731	-0.0021	20	-27 49 19.21	-0.037	20	0.37	41.767	16	33.2	18.59	16	33.2	F8 J	13B	2927	J -27 2927
52		8.3R	20 44.394	0.0014	15	-24 51 6.55	-0.006	15	0.30	44.371	16	33.2	6.45	16	33.2	K5 J	14	3541	E -24 3967
53		9.2R	20 45.612	0.0005	18	-26 17 48.68	0.009	18	0.34	45.603	16	33.2	48.84	16	33.2	G5 M	14	3544	E -26 2968
54		9.1R	20 47.298	0.0034	15	-24 0 41.33	0.013	15	0.30	47.240	16	33.2	41.54	16	33.2	A5 M	14	3543K	E -23 3779
55		9.0R	20 51.720	-0.0048	20	-29 48 16.83	-0.029	20	0.37	51.801	16	33.2	16.33	16	33.2	K M	13B	2930	J -29 3044
56		8.7R	20 51.913	-0.0015	18	-26 17 20.42	0.047	18	0.34	51.939	16	33.2	21.21	16	33.2	F2 J	14	3548	E -26 2971
57		8.7R	20 51.997	-0.0000	18	-24 56 45.63	-0.021	18	0.34	51.997	16	33.2	45.28	16	33.2	A2 J	14	3546	E -24 3968
58		8.5R	20 53.094	0.0017	20	-28 50 38.45	0.007	20	0.37	53.066	16	33.2	38.57	16	33.2	K0 J	13B	2929	J -28 2952
59		7.9R	20 54.303	-0.0002	18	-24 31 47.18	-0.009	18	0.34	54.307	16	33.2	47.03	16	33.2	G5 J	14	3547	E -24 3969
60		9.0R	20 57.627	-0.0013	18	-27 0 26.25	0.006	18	0.34	57.649	16	33.2	26.36	16	33.2	K0 M	14	3549	E -26 2972
61		9.3R	21 8.744	-0.0005	20	-27 32 18.40	-0.053	20	0.37	8.752	16	33.2	17.51	16	33.2	F8 M	13B	2932	J -27 2935
62		8.7R	21 9.282	0.0007	12	-22 13 14.87	0.006	12	0.26	9.270	16	33.2	14.97	16	33.2	K0 J	14	3550	E -22 3024
63		9.4R	21 15.176	0.0010	18	-25 48 47.61	0.002	18	0.34	15.160	16	33.2	47.65	16	33.2	F8 M	14	3551	E -25 3172
64		9.3R	21 17.732	0.0002	15	-25 31 10.13	0.008	12	0.28	17.728	16	33.2	10.27	16	33.2	K M	14	3552	E -25 3173
65		9.0R	21 19.509	0.0015	18	-26 48 45.92	0.019	18	0.34	19.483	16	33.2	46.24	16	33.2	F8 M	14	3553	E -26 2976
66		8.5A	21 19.661	-0.0004	18	-21 12 14.56	-0.000	13	0.31	19.667	16	33.1	14.56	16	33.1	F0 J	13A	2228	A -21 1438
67		9.3R	21 21.114	-0.0017	17	-28 25 51.90	0.018	17	0.32	21.142	16	33.2	52.20	16	33.2	F8 M	13B	2933	J -28 2955
68		9.3R	21 21.790	0.0015	18	-25 27 0.91	0.017	18	0.34	21.764	16	33.2	1.20	16	33.2	G0 M	14	3554	E -25 3174
69		8.7A	21 22.698	0.0000	15	-20 54 53.18	0.019	12	0.28	22.698	16	33.1	53.49	16	33.1	K0 J	13A	2229	A -20 1373
70		9.2R	21 23.549	-0.0000	20	-28 25 27.52	-0.017	20	0.37	23.549	16	33.2	27.23	16	33.2	A0 M	13B	2935	W -28 1267
71		9.1R	21 24.450	-0.0030	20	-28 15 12.50	0.025	20	0.37	24.501	16	33.2	12.92	16	33.2	F0 J	13B	2936	J -28 2956
72		7.0T	21 24.948	0.0010	18	-26 21 6.88	0.029	14	0.82	24.900	22	03.1	8.37	21	99.1	K5	GC	8252	C -26 2977
73		8.6A	21 26.599	-0.0003	18	-20 9 0.45	0.030	13	0.31	26.605	16	33.1	0.96	16	33.1	B9 J	13A	2231	A -20 1374
74		9.5R	21 28.134	0.0017	20	-23 43 27.91	-0.002	20	0.37	28.105	16	33.2	27.87	16	33.2	F8 M	14	3555	E -23 3792
75	8.4	8.5W	21 30.400	-0.0016	21	-29 59 20.94	0.025	21	0.42	30.428	22	32.6	21.38	21	32.6	A5	C7	2711	C -29 3054
76		9.1R	21 32.176	-0.0006	15	-25 40 17.54	0.030	15	0.30	32.186	16	33.2	18.05	16	33.2	K0 M	14	3557	E -25 3176
77		7.0T	21 33.939	-0.0007	14	-29 50 1.03	0.005	12	0.70	33.973	15	99.5	1.29	17	95.7	K0	GC	8258	C -29 3055
78		8.1R	21 36.543	-0.0032	20	-29 14 34.23	0.041	20	0.37	36.597	16	33.2	34.92	16	33.2	G5 J	13B	2943	J -29 3056
79		8.6R	21 36.997	0.0011	18	-23 10 41.54	0.023	18	0.34	36.979	16	33.2	41.93	16	33.2	F5 J	14	3558	E -23 3795
80		9.2R	21 37.023	-0.0015	12	-23 12 14.91	0.008	12	0.26	37.049	16	33.2	15.06	16	33.2		14	3559	E -23 3794
81		9.1R	21 39.015	-0.0002	17	-28 57 1.89	-0.001	17	0.32	39.019	16	33.2	1.88	16	33.2	K2 M	13B	2944	J -28 2961
82		9.4R	21 43.103	-0.0010	12	-24 53 2.12	-0.031	12	0.26	43.119	16	33.2	1.60	16	33.2	K0 M	14	3561	E -24 3980
83		9.1A	21 45.063	0.0003	15	-20 26 48.62	-0.012	11	0.27	45.058	16	33.1	48.43	16	33.1	A0 J	13A	2234	A -20 1375
84		9.2R	21 45.066	0.0004	12	-22 8 6.49	-0.002	12	0.26	45.059	16	33.2	6.46	16	33.2	F0 J	14	3560	E -22 3032
85		9.1R	21 46.867	-0.0025	20	-29 21 49.47	-0.025	20	0.37	46.910	16	33.2	49.04	16	33.2	F8 M	13B	2945	J -29 3059
86		9.5R	21 47.773	-0.0022	18	-26 27 27.01	0.004	18	0.34	47.810	16	33.2	27.08	16	33.2	G0 M	14	3564	E -26 2985
87		9.1R	21 50.496	-0.0005	18	-22 3 1.78	0.016	18	0.34	50.505	16	33.2	2.05	16	33.2	K2 M	14	3563	E -22 3033
88		5.7T	21 53.925	-0.0009	09	-25 32 57.22	-0.033	08	0.36	53.959	12	11.0	55.89	12	09.5	K2	GC	8267	C*-25 3189
89		9.3R	21 57.528	0.0012	18	-26 6 12.92	0.014	18	0.34	57.508	16	33.2	13.16	16	33.2	A3 M	14	3567	E -26 2987
90		8.2R	21 58.361	0.0004	18	-25 7 27.30	-0.008	18	0.34	58.353	16	33.2	27.17	16	33.2	A3 J	14	3566	E -25 3190
91		9.3R	22 2.497	0.0002	20	-29 28 55.88	-0.007	20	0.37	2.493	16	33.2	55.76	16	33.2	F8 M	13B	2948	J -29 3062
92		9.2R	22 5.554	-0.0046	20	-26 36 36.04	0.018	20	0.37	5.631	16	33.2	36.35	16	33.2	F8 M	14	3568	E -26 2991
93		6.9T	22 12.293	-0.0013	16	-26 24 59.61	0.014	13	0.76	12.355	18	00.9	+ 0.35	18	98.1	G5	GC	8280	C -26 2993
94		9.0R	22 15.933	-0.0007	17	-28 55 49.12	0.006	17	0.32	15.944	16	33.2	49.22	16	33.2	K0 M	13B	2951	J -28 2969
95		9.1A	22 18.501	-0.0006	11	-21 56 45.19	-0.002	09	0.23	18.511	16	33.1	45.16	16	33.1	A0 J	13A	2237	A -21 1444
96		9.3R	22 19.301	0.0002	18	-23 21 30.34	0.021	18	0.34	19.297	16	33.2	30.69	16	33.2	F0 J	14	3571	E -23 3810
97		9.1R	22 20.045	0.0001	18	-25 1 2.14	-0.013	18	0.34	20.042	16	33.2	1.92	16	33.2	F8 M	14	3573	E -24 3992
98		9.4R	22 20.229	0.0020	18	-26 41 33.32	-0.013	18	0.34	20.195	16	33.2	33.10	16	33.2	K0 M	14	3575	E -26 2994
99		9.6R	22 21.494	-0.0014	18	-23 50 45.88	0.003	18	0.34	21.517	16	33.2	45.93	16	33.2	K2 M	14	3572	E -23 3812
00		9.1R	22 21.607	-0.0007	18	-24 58 6.85	-0.016	18	0.34	21.620	16	33.2	6.58	16	33.2	A7 M	14	3574	E -24 3995

171700

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ_s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	-20° 6H DM NUMBER
1		9.3R	6 22 23.593	-0.0005	20	-27 28 38.01	0.008	20	0.37	23.601	16	33.2	38.15	16	33.2	F5 M	13B	2955	J -27 2956
2		9.0R	22 24.905	-0.0004	20	-27 37 28.90	0.003	20	0.37	24.911	16	33.1	28.95	16	33.1	K5 M	13B	2957	J -27 2959
3		8.0R	22 24.979	0.0021	15	-27 17 17.31	0.147	15	0.30	24.944	16	33.2	19.79	16	33.2	F5 J	13B	2956	J -27 2958
4		9.2R	22 25.665	0.0023	18	-26 57 38.57	0.035	18	0.34	25.625	16	33.2	39.17	16	33.2	K0 M	14	3577	E -26 2996
5		9.3R	22 28.700	0.0011	18	-24 38 48.15	0.000	18	0.34	28.682	16	33.2	48.15	16	33.2	A5 M	14	3576	E -24 3997
6		8.7R	22 29.423	-0.0007	12	-25 27 45.56	0.001	12	0.26	29.434	16	33.2	45.58	16	33.2	M2 M	14	3579	E -25 3194
7		9.6R	22 34.559	-0.0012	20	-23 44 41.82	-0.018	20	0.37	34.579	16	33.2	41.51	16	33.2	F0 M	14	3580	E -23 3817
8		8.7A	22 39.578	-0.0002	18	-20 37 8.02	-0.006	13	0.31	39.583	16	33.1	7.91	16	33.1	A0 J	13A	2238	A -20 1379
9		8.9R	22 43.332	-0.0021	15	-24 7 58.60	-0.018	15	0.30	43.367	16	33.2	58.30	16	33.2	F5 J	14	3582	E -24 4003
10		8.6R	22 45.122	-0.0001	18	-24 47 49.23	0.000	18	0.34	45.124	16	33.2	49.23	16	33.2	A0 J	14	3584	E -24 4005
11		6.2T	22 47.254	-0.0124	12	-28 44 58.48	-0.117	12	0.67	47.904	17	97.6	52.10	17	95.5	G0	GC	8299	C+-28 2981
12		9.4R	22 47.504	-0.0001	18	-25 1 52.84	-0.086	18	0.34	47.506	16	33.2	51.39	16	33.2	F5 M	14	3586	E -24 4006
13		9.1R	22 52.903	0.0008	18	-24 20 35.33	0.019	18	0.34	52.889	16	33.2	35.65	16	33.2	G5 M	14	3587	E -24 4007
14		8.4A	22 55.906	0.0006	17	-21 55 50.73	-0.029	13	0.30	55.895	16	33.1	50.24	16	33.1	A2 J	13A	2240	A -21 1448
15		8.5R	22 58.789	-0.0014	13	-22 21 21.50	-0.007	13	0.28	58.812	16	33.2	21.38	16	33.2	M0 J	14	3588	E -22 3054
16		8.5R	23 4.524	0.0000	18	-22 32 33.40	-0.005	18	0.34	4.524	16	33.2	33.32	16	33.2	K2 J	14	3589	E -22 3056
17		8.6R	23 6.991	0.0011	18	-25 39 53.27	-0.037	18	0.34	6.972	16	33.2	52.65	16	33.2	K0 M	14	3590	E -25 3204
18		9.2R	23 9.161	-0.0022	17	-29 33 32.19	0.001	17	0.32	9.198	16	33.1	32.20	16	33.1	G5 M	13B	2969	J -29 3075
19		8.8R	23 9.694	-0.0005	17	-28 40 11.55	-0.000	17	0.32	9.703	16	33.1	11.54	16	33.1	F5 J	13B	2968	J -28 2985
20		9.3R	23 10.813	0.0002	12	-25 36 21.27	0.025	12	0.26	10.809	16	33.2	21.69	16	33.2	F8 M	14	3591K	E -25 3205
21		9.2R	23 15.323	-0.0019	22	-24 17 27.15	0.018	22	0.41	15.355	16	33.2	27.46	16	33.2	K0 M	14	3592	E -24 4010
22		8.6R	23 17.916	-0.0015	18	-24 4 50.49	-0.021	18	0.34	17.938	16	33.2	50.13	16	33.2	K0 J	14	3593	E -24 4011
23		8.4R	23 18.356	-0.0021	18	-26 6 54.28	0.008	18	0.34	18.591	16	33.2	54.42	16	33.2	K2 J	14	3596	E -26 3006
24		8.8R	23 20.007	-0.0015	18	-26 51 57.64	-0.013	18	0.34	20.032	16	33.2	57.42	16	33.2	B9 J	14	3598	E -26 3007
25		8.3R	23 20.050	-0.0011	15	-25 57 38.55	0.013	15	0.30	20.069	16	33.2	38.77	16	33.2	K0 J	14	3597	E -25 3208
26		8.3R	23 26.626	-0.0023	18	-22 53 54.19	0.010	18	0.34	26.665	16	33.2	54.36	16	33.2	F0 J	14	3599	E -22 3065
27		9.2A	23 27.987	-0.0029	15	-21 18 31.56	-0.025	11	0.27	28.036	16	33.1	31.13	16	33.1	G5 J	13A	2245	A -21 1451
28		9.5R	23 32.515	-0.0006	18	-23 24 29.67	-0.003	18	0.34	32.525	16	33.2	29.63	16	33.2	F8 M	14	3600	E -23 3835
29		8.0A	23 37.430	0.0011	13	-20 56 35.12	-0.003	09	0.25	37.412	16	33.1	35.06	16	33.1	K0 J	13A	2247	A -20 1384
30		8.9A	23 41.042	0.0012	15	-21 26 13.74	-0.025	11	0.27	41.023	16	33.1	13.32	16	33.1	F8 J	13A	2248	A -21 1453
31		6.7T	23 44.588	-0.0015	13	-29 40 22.46	0.007	11	0.62	44.658	17	02.2	22.79	17	00.5	A0	GC	8323	C -29 3090
32		9.4R	23 52.615	0.0012	18	-24 13 13.97	-0.080	18	0.34	52.595	16	33.2	12.62	16	33.2	G5 M	14	3605	E -24 4016
33		8.7A	23 52.967	-0.0007	17	-21 30 50.22	-0.084	12	0.29	52.979	16	33.1	48.80	16	33.1	F2 J	13A	2250	A -21 1455
34		9.6R	23 53.006	0.0042	15	-22 55 9.56	-0.039	15	0.30	52.935	16	33.2	8.91	16	33.2	K0 M	14	3604	E -22 3071
35		9.6R	23 59.644	0.0011	20	-22 45 40.73	0.023	20	0.37	59.626	16	33.2	41.12	16	33.2	F0 M	14	3606	E -22 3072
36		9.2R	24 3.558	-0.0004	18	-26 8 42.19	-0.034	18	0.34	3.564	16	33.2	41.62	16	33.2	F5 M	14	3608	E -26 3017
37		9.3R	24 5.520	0.0011	18	-26 37 42.62	0.009	15	0.32	5.500	16	33.2	42.78	16	33.2	K0 M	14	3610	E -26 3018
38		9.2R	24 5.759	-0.0047	15	-23 50 39.65	-0.070	15	0.30	5.838	16	33.2	38.47	16	33.2	G5 J	14	3607	E -23 3851
39		9.3R	24 6.125	0.0016	15	-24 37 20.97	-0.012	15	0.30	6.098	16	33.2	20.77	16	33.2	K0 M	14	3609	E -24 4021
40		8.7R	24 9.303	0.0002	12	-25 39 1.56	0.010	12	0.26	9.301	16	33.2	1.73	16	33.2	F0 M	14	3611	E -25 3222
41		9.1R	24 12.793	-0.0045	20	-28 39 36.07	0.046	20	0.37	12.870	16	33.1	36.85	16	33.1	F8 M	13B	2978	J -28 2996
42		8.6A	24 14.182	-0.0011	17	-20 8 37.51	0.014	13	0.30	14.164	16	33.1	37.75	16	33.1	M1 J	13A	2251	A -20 1386
43		9.3R	24 16.416	-0.0026	12	-28 19 8.63	0.049	12	0.26	16.460	16	33.1	9.46	16	33.1	F8 M	13B	2979	J -28 2997
44		9.2R	24 17.095	-0.0004	18	-25 5 40.59	-0.009	18	0.34	17.089	16	33.2	40.44	16	33.2	A2 J	14	3612	E -25 3223
45		8.6R	24 22.273	-0.0008	18	-26 15 58.45	0.029	18	0.34	22.421	16	33.2	58.94	16	33.2	G0 J	14	3614	E -26 3024
46		8.8R	24 26.503	0.0005	18	-22 52 14.02	0.013	18	0.34	26.495	16	33.2	14.25	16	33.2	F2 J	14	3613	E -22 3078
47		9.3R	24 28.700	0.0001	18	-22 9 30.66	-0.025	18	0.34	28.698	16	33.2	30.24	16	33.2	K0 M	14	3615	E -22 3079
48		8.6R	24 29.360	-0.0008	18	-26 47 9.23	-0.003	18	0.34	29.373	16	33.2	9.18	16	33.2		14	3619	E -26 3025
49		8.8R	24 30.154	-0.0011	18	-26 47 8.30	-0.027	18	0.34	30.172	16	33.2	7.85	16	33.2	K2 M	14	3621	E -26 3025
50		8.9R	24 31.509	-0.0006	15	-22 37 45.91	-0.016	15	0.30	31.519	16	33.2	45.64	16	33.2	K5 J	14	3617	E -22 3081
51		8.0R	6 24 31.576	-0.0022	18	-26 4 22.61	0.012	18	0.34	31.614	16	33.1	22.82	16	33.1	M0 M	14	3623	E -26 3026
52		9.5R	24 34.602	0.0002	20	-23 52 13.68	0.010	20	0.37	34.598	16	33.2	13.84	16	33.2	F0 M	14	3622	E -23 3859
53		9.1R	24 35.332	-0.0022	18	-22 34 18.55	-0.016	18	0.34	35.368	16	33.2	18.28	16	33.2	A0 J	14	3620	E -22 3082
54		9.2R	24 35.362	0.0012	18	-26 34 12.34	0.029	18	0.34	35.341	16	33.1	12.83	16	33.1	K2 M	14	3624	E -26 3028
55		8.5R	24 41.799	-0.0007	20	-28 47 43.72	0.008	20	0.37	41.810	16	33.1	43.86	16	33.1	K5 M	13B	2985	J -28 3003
56		9.3R	24 43.750	-0.0030	18	-24 59 1.82	0.008	18	0.34	43.801	16	33.1	1.96	16	33.1	F8 M	14	3626	E -24 4037
57		9.1R	24 44.570	-0.0024	20	-23 28 10.25	-0.025	20	0.37	44.611	16	33.1	9.86	16	33.1		14	3625	E -23 3865
58		9.2R	24 45.997	-0.0002	17	-23 58 54.00	0.042	17	0.32	46.000	16	33.1	54.70	16	33.1	K5 M	14	3627	E -23 3866
59		8.4R	24 46.427	-0.0004	15	-26 43 47.66	-0.019	15	0.30	46.434	16	33.1	47.34	16	33.1	F0 J	14	3628	E -26 3031
60		9.1R	24 48.274	-0.0006	20	-29 45 29.71	-0.008	20	0.37	48.283	16	33.1	29.56	16	33.1	A5 M	13B	2986	J -29 3102
61		8.8R	24 50.734	0.0022	17	-29 24 16.00	0.028	17	0.32	50.698	16	33.1	16.47	16	33.1	K0 M	13B	2987	J -29 3103
62		9.0A	24 51.306	-0.0005	18	-20 11 15.46	0.039	13	0.31	51.315	16	33.1	16.13	16	33.1	K0 J	13A	2259	A -20 1389
63		9.5R	24 55.936	-0.0009	20	-26 40 52.65	0.008	20	0.37	55.950	16	33.1	52.79	16	33.1	A5 M	14	3629	E -26 3032
64		8.5A	25 1.091	0.0020	17	-21 31 15.21	0.013	12	0.29	1.056	16	33.1	15.43	16	33.1	A0 J	13A	2261	A -21 1463
65		9.4R	25 1.896	0.0001	13	-22 37 40.70	0.004	13	0.28	1.895	16	33.1	40.78	16	33.1	K5 M	14	3630	E -22 3088
66		9.0R	25 2.219	-0.0006	20	-26 57 57.95	-0.024	20	0.37	2.228	16	33.1	57.55	16	33.1	K0 M	14	3634	E -26 3034
67		8.4A	25 3.145	-0.0003	18	-20 23 19.39	-0.016	13	0.31	3.149	16	33.1	19.12	16	33.1	A0 J	13A	2262	A -20 1392
68		8.7R	25 4.356	0.0008	18	-24 3 15.66	-0.011	18	0.34	4.342	16	33.1	15.48	16	33.1	K0 M	14	3631	E -24 4042
69		8.0R	25 5.810	0.0002	18	-24 12 25.09	-0.003	18	0.34	5.807	16	33.1	25.03	16	33.1	K5 J	14	3632	E -24 4043
70		8.1R	25 7.868	-0.0005	18	-22 50 6.45	0.000	18	0.34	7.877	16	33.1	8.46	16	33.1	K2 J	14	3633	E -22 3091
71		9.3R	25 8.052	0.0011	18	-24 2 31.51	0.001	18	0.34	8.033	16	33.1	31.52	16	33.1	A0 J	14	3636	E -23 3879
72		8.8R	25 8.733	0.0001	15	-22 34 54.02	-0.002	15	0.30	8.732	16	33.1	54.00	16	33.1	G5 J	14	3635	E -22 3092
73		9.1R	25 9.494	-0.0027	20	-28 47 42.83	0.028	20	0.37	9.539	16	33.1	43.30	16	33.1	K0 M	13B	2991	J -28 3012
74		6.0T	25 10.347	-0.0140	09	-25 49 18.67	-0.221	08	0.51	11.138	15	93.4	5.69	15	91.2	F8	GC	8368	C -25 3237
75		9.5R	25 16.179	-0.0009	17	-23 21 59.89	0.030	17	0.32	16.194	16	33.1	+ 0.40	16	33.1	A0 M	14	3639	E -23 3882
76		8.5R	25 17.257	-0.0031	20	-28 25 57.95	0.031	20	0.37	17.310	16	33.1	58.47	16	33.1	K0 M	13B	2992	J -28 3015
77		9.0R	25 17.647	-0.0004	18	-23 28 6.22	0.024	18	0.34	17.655	16	33.1	6.63	16	33.1	F0 J	14	3640	E -23 3884
78		9.0A	25 18.723	0.0014	17	-20 53 59.25	-0.027	13	0.30	18.700	16	33.1	58.79	16	33.1	K0 J	13A	2267	A -20 1395
79		8.5R	25 20.389	-0.0015	18	-24 14 49.36	0.002	18	0.34	20.413	16	33.1	49.39	16	33.1	G5 J	14	3642	E -24 4049
80		7.7R	25 21.587	0.0000	18	-22 5 32.70	0.034	18	0.34	21.586	16	33.1	33.27	16	33.1	A5 J	14	3641	E -22 3095
81		8.5R	25 22.335	-0.0001	15	-25 42 13.82	0.068	12	0.28	22.336	16	33.1	14.97	16	33.1	K0 J	14	3644K	E -25 3240
82		8.8R	25 22.394	-0.0013	20	-29 16 25.59	0.010	20	0.37	22.416	16	33.1	25.76	16	33.1	K5 M	13B	2995	J -29 3115
83		9.4R	25 24.997	-0.0002	12	-22 26 29.32	-0.003	12	0.26	25.001	16	33.1	29.27	16	33.1	G0 M	14	3643	E -22 3097
84		9.4R	25 26.359	0.0002	15	-25 20 3.49	0.004	15	0.30	26.355	16	33.1	3.56	16	33.1	M0 M	14	3645	E -25 3241
85		9.0R	25 27.558	-0.0025	20	-29 44 39.38	-0.042	20	0.37	27.600	16	33.1	38.67	16	33.1	F8 M	13B	2999	J -29 3119
86		8.8R	25 30.520	-0.0001	18	-26 2 43.40	0.008	18	0.34	30.521	16	33.1	43.54	16	33.1	B8 J	14	3647	E -26 3038
87		9.4R	25 31.114	0.0017	20	-23 21 26.41	0.017	20	0.37	31.086	16	33.1	26.71	16	33.1	K2 M	14	3646	E -23 3887
88		8.8A	25 32.135	0.0009	18	-20 20 26.32	0.010	12	0.30	31.984	16	33.1	26.50	16	33.1	K5 J	13A	2271	A -20 1397
89		9.4R	25 35.764	0.0001	18	-24 19 3.43	-0.004	15	0.32	35.762	16	33.1	3.35	16	33.1	K0 M	14	3648	E -24 4053
90		9.4R	25 36.352	0.0034	18	-25 30 5.80	-0.036	18	0.34	36.294	16	33.1	5.19	16	33.1	F5 M	14	3650	E -25 3242
91		9.5R	25 38.069	0.0033	20	-23 45 56.54	0.029	20	0.37	38.013	16	33.1	57.03	16	33.1	A5 M	14	3649	E -23 3889
92		8.8R	25 39.412	-0.0022	12	-23 45 37.20	-0.005	12	0.26	39.449	16	33.1	37.11	16	33.1	A0 J	14	3651	E -23 3890
93		9.1R	25 40.820	-0.0009	18	-25 48 24.27	0.021	18	0.34	40.835	16	33.1	24.63	16	33.1	F8 M	14	3652	E -25 3246
94		8.9R	25 44.064	-0.0000	12	-26 47 58.88	0.007	12	0.26	44.065	16	33.1	59.00	16	33.1	K5 M	14	3654	E -26 3043
95		9.2R	25 48.634	-0.0038	18	-22 4 10.80	0.034	18	0.34	48.697	16	33.1	11.37	16	33.1	A2 J	14	3653	E -22 3104
96		9.1R	25 49.691	0.0008	21	-23 2 34.01	-0.043	21	0.39	49.678	16	33.1	33.28	16	33.1	G0 M	14	3655	E -22 3105
97		8.6A	25 55.627	0.0015	17	-21 45 54.95	0.004	12	0.29	55.601	16	33.1	55.02	16	33.1	K5 J	13A	2273	A -21 1470
98		9.3A	26 2.032	-0.0039	17	-21 11 24.38	-0.056	12	0.29	2.098	16	33.1	23.43	16	33.1	G5 J	13A	2275	A -21 1472
99		9.1R	26 2.409	-0.0025	20	-28 30 15.74	0.058	20	0.37	2.452	16	33.1	16.72	16	33.1	K5 M	13B	3005	J -28 3028
00		9.7R	26 4.464	0.0015	18	-24 57 6.86	-0.044	18	0.34	4.440	16	33.1	6.12	16	33.1	K0 M	14	3657	E -24 4062

171800

EPOCH 1950 — ORIGINAL EPOCH — SOURCE — −20° 6H

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	CAT.	STAR NUMBER	DM NUMBER
1		9.1R	6 26 4.989	-0.0018	17	-29 14 20.18	0.023	17	0.32	5.020	16	33.1	20.57	16	33.1	K0 M	13B	3007	J -29 3130
2		8.1A	26 5.835	-0.0002	20	-21 58 21.12	-0.040	15	0.34	5.838	16	33.1	20.44	16	33.1	K5 J	13A	2277	A -21 1473
3		7.6T	26 5.992	0.0006	16	-27 6 39.24	-0.005	13	0.76	5.960	21	01.5	38.99	19	98.1	B9	GC	8399	C -27 3012
4		9.4A	26 9.680	0.0034	18	-20 51 48.85	-0.124	13	0.31	9.623	16	33.1	46.74	16	33.1	F5 J	13A	2278	A -20 1402
5		9.0R	26 15.590	0.0001	17	-28 13 21.39	0.040	17	0.32	15.588	16	33.1	22.06	16	33.1	K2 M	13B	3008	J -28 3034
6		9.1R	26 19.901	-0.0004	12	-22 23 2.96	0.004	12	0.26	19.907	16	33.1	3.03	16	33.1	G5 M	14	3659	E -22 3112
7		9.4R	26 23.970	-0.0016	20	-23 30 16.59	0.005	20	0.37	23.996	16	33.1	16.67	16	33.1	F5 M	14	3661	E -23 3903
8		9.4R	26 24.013	0.0020	18	-24 32 34.34	0.000	18	0.34	23.980	16	33.1	34.34	16	33.1	G5 M	14	3662	E -24 4067
9		9.4R	26 26.264	0.0007	18	-24 39 20.35	0.020	18	0.34	26.252	16	33.1	20.69	16	33.1	F8 M	14	3663	E -24 4068
10		8.5A	26 30.156	0.0017	18	-20 9 49.87	0.010	13	0.31	30.128	16	33.1	50.05	16	33.1	G5 J	13A	2280	A -20 1404
11		8.9R	26 32.841	-0.0000	18	-27 46 5.18	-0.015	18	0.34	32.841	16	33.1	4.93	16	33.1	K0 M	13B	3010	J -27 3018
12		8.9R	26 39.127	0.0025	12	-29 15 20.42	-0.007	12	0.26	39.086	16	33.1	20.30	16	33.1	K5 M	13B	3011	J -29 3137
13		9.5R	26 42.363	-0.0029	20	-24 42 23.05	0.014	20	0.37	42.412	16	33.1	23.29	16	33.1	K M	14	3665	E -24 4076
14		8.7A	26 42.407	-0.0012	17	-20 0 41.45	-0.001	12	0.29	42.427	16	33.1	41.44	16	33.1	K5 J	13A	2282	A -19 1459
15		9.0R	26 44.066	-0.0004	17	-29 3 51.85	0.014	17	0.32	44.074	16	33.1	52.09	16	33.1	G0 M	13B	3014	J -29 3142
16		8.5R	26 44.632	-0.0000	17	-28 12 14.52	-0.017	17	0.32	44.632	16	33.1	14.23	16	33.1	K0 J	13B	3013	J -28 3043
17		8.7R	26 44.870	-0.0008	15	-27 37 34.85	0.028	15	0.30	44.883	16	33.1	35.32	16	33.1	A0 J	13B	3012	J -27 3021
18		9.1A	26 46.810	0.0001	17	-21 26 22.46	0.004	12	0.29	46.808	16	33.1	22.52	16	33.1	K0 J	13A	2283	A -21 1475
19		8.0R	26 46.980	-0.0020	20	-27 57 58.92	-0.024	20	0.37	47.015	16	33.1	58.51	16	33.1	K2 J	13B	3015	J -27 3024
20		9.2R	26 48.149	-0.0002	17	-28 37 51.82	0.013	17	0.32	48.153	16	33.1	52.03	16	33.1	A2 M	13B	3017	J -28 3044
21		9.7R	26 50.043	-0.0017	17	-22 40 51.29	0.007	17	0.32	50.072	16	33.1	51.41	16	33.1	A0 M	14	3666	E -22 3120
22		9.4R	26 54.297	-0.0005	18	-22 17 13.92	-0.035	18	0.34	54.306	16	33.1	13.33	16	33.1	K5 J	14	3667	E -22 3121
23		8.9R	26 56.962	-0.0004	18	-23 12 11.38	-0.002	18	0.34	56.968	16	33.1	11.35	16	33.1	K0 M	14	3668	E -23 3915
24		9.1R	27 3.484	-0.0006	18	-23 57 16.66	0.015	18	0.34	3.495	16	33.1	16.91	16	33.1	K2 M	14	3669	E -23 3918
25		8.1R	27 7.116	-0.0009	12	-25 51 3.69	0.007	12	0.26	7.132	16	33.1	3.81	16	33.1	K0 J	14	3671	E -25 3271
26		8.1R	27 10.661	0.0001	15	-26 5 5.61	0.000	15	0.30	10.660	16	33.1	5.62	16	33.1	K5 J	14	3672	E -26 3056
27		9.3R	27 14.277	0.0008	18	-25 20 22.10	0.002	18	0.34	14.263	16	33.1	22.14	16	33.1	K0 M	14	3674	E -25 3272
28		9.3R	27 15.846	0.0031	15	-22 28 15.87	0.001	15	0.30	15.794	16	33.1	15.89	16	33.1	G0 M	14	3673	E -22 3128
29		8.6R	27 17.691	-0.0003	12	-26 27 58.44	0.032	12	0.26	17.696	16	33.1	58.98	16	33.1	A0 J	14	3678	E -26 3059
30		9.0R	27 18.988	0.0055	20	-29 9 23.84	-0.001	20	0.37	18.895	16	33.1	23.82	16	33.1	G0 M	13B	3019	J -29 3150
31		6.7T	27 19.383	0.0006	11	-22 33 24.76	0.008	09	0.41	19.357	09	09.1	25.10	09	09.5	A2	GC	8427K	B*-22 1429
32		9.6R	27 19.810	0.0007	18	-25 51 33.40	-0.086	18	0.34	19.799	16	33.1	31.95	16	33.1	K0 M	14	3679	E -25 3277
33		9.0R	27 20.877	-0.0008	18	-23 56 47.60	-0.002	18	0.34	20.890	16	33.1	47.57	16	33.1	A2 J	14	3677	E -23 3922
34		9.5R	27 25.030	0.0000	18	-24 18 38.72	-0.011	18	0.34	25.030	16	33.1	38.54	16	33.1	G0 M	14	3680	E -24 4083
35		9.1A	27 31.212	-0.0013	15	-21 41 33.20	-0.011	12	0.28	31.234	16	33.1	33.01	16	33.1	A0 J	13A	2287	A -21 1479
36		9.3R	27 33.949	-0.0005	20	-22 8 39.71	-0.025	20	0.37	33.956	16	33.1	39.29	16	33.1	K0 M	14	3681	E -22 3132
37		9.1R	27 34.087	-0.0007	12	-22 28 11.65	0.026	12	0.26	34.098	16	33.1	12.09	16	33.1	K5 M	14	3682	E -22 3133
38		9.1R	27 34.205	0.0021	15	-24 40 14.93	0.002	15	0.30	34.169	16	33.1	14.97	16	33.1	K5 M	14	3683	E -24 4087
39		9.1R	27 36.776	-0.0028	17	-29 27 39.61	0.008	17	0.32	36.824	16	33.1	39.75	16	33.1	A0 J	13B	3021	J -29 3155
40		8.8A	27 43.829	-0.0000	17	-20 11 46.83	-0.012	12	0.29	43.830	16	33.1	46.64	16	33.1	A2 J	13A	2290	A -20 1409
41		9.2R	27 45.394	0.0004	12	-22 39 51.13	0.030	12	0.26	45.388	16	33.1	51.65	16	33.1	M M	14	3684	E -22 3137
42		8.8A	27 50.091	-0.0002	15	-21 28 48.30	-0.021	11	0.27	50.095	16	33.1	47.94	16	33.1	K0 J	13A	2291	A -21 1483
43		8.9R	27 50.104	0.0003	17	-29 5 19.72	0.020	17	0.32	50.099	16	33.1	20.06	16	33.1	K2 M	13B	3023	J -29 3157
44		9.3R	27 51.570	-0.0016	20	-22 40 36.89	-0.012	20	0.37	51.597	16	33.1	36.70	16	33.1	A0 M	14	3686	E -22 3138
45		8.9R	27 51.645	-0.0001	18	-27 23 13.42	0.012	18	0.34	51.647	16	33.1	13.63	16	33.1	A2 J	13B	3022	J -27 3037
46		9.4A	27 52.809	0.0009	17	-21 1 42.07	-0.003	12	0.29	52.793	16	33.1	42.01	16	33.1	F2 J	13A	2293	A -20 1410
47		9.4A	27 54.786	-0.0028	18	-21 4 39.70	-0.035	13	0.31	54.833	16	33.1	39.11	16	33.1	F5 J	13A	2294	A -21 1485
48		9.2R	27 57.638	0.0004	12	-28 47 34.06	0.027	12	0.26	57.632	16	33.1	34.52	16	33.1	K0 M	13B	3024	J -28 3067
49		8.9R	28 3.168	-0.0020	17	-29 49 33.79	-0.062	17	0.32	3.201	16	33.1	32.73	16	33.1	M M	13B	3027	J -29 3162
50		9.0A	28 4.294	0.0009	17	-20 28 55.94	-0.021	12	0.29	4.279	16	33.1	55.59	16	33.1	K7 J	13A	2296	A -20 1412
51		8.8R	6 28 4.928	-0.0018	12	-25 50 53.60	0.020	12	0.26	4.958	16	33.1	53.94	16	33.1	K M	14	3687	E -25 3292
52		7.9R	28 7.680	0.0005	20	-28 37 18.69	-0.020	20	0.37	7.672	16	33.1	18.35	16	33.1	F5 J	13B	3028	J -28 3069
53		9.6R	28 8.802	-0.0016	18	-24 56 6.42	-0.012	18	0.34	8.830	16	33.1	6.22	16	33.1	K M	14	3688	E -24 4101
54		9.1R	28 12.620	0.0005	18	-23 17 37.03	0.016	18	0.34	12.612	16	33.1	37.31	16	33.1	G5 M	14	3689	E -23 3945
55		8.7R	28 13.800	-0.0049	20	-27 32 9.66	0.009	20	0.37	13.883	16	33.1	9.81	16	33.1	K5 M	13B	3030	J -27 3042
56		9.3A	28 15.534	0.0023	18	-20 46 41.28	0.012	13	0.31	15.495	16	33.1	41.48	16	33.1	G0 J	13A	2297	A -20 1415
57		9.1R	28 16.275	0.0017	18	-24 30 8.37	-0.016	18	0.34	16.246	16	33.1	8.10	16	33.1	F5 M	14	3692	E -24 4102
58		9.6R	28 24.716	0.0005	20	-24 39 58.84	0.029	20	0.37	24.708	16	33.1	59.33	16	33.1	G M	14	3694	E -24 4105
59		8.7R	28 26.334	-0.0001	12	-26 28 7.16	0.011	12	0.26	26.337	16	33.1	7.35	16	33.1	K0 M	14	3696	E -26 3074
60		9.4R	28 30.473	-0.0005	12	-24 4 30.59	-0.003	12	0.26	30.481	16	33.1	30.54	16	33.1	K0 M	14	3697	E -24 4106
61		7.6R	28 31.947	-0.0018	18	-22 17 9.57	0.004	18	0.34	31.977	16	33.1	9.64	16	33.1	B8 J	14	3695	E -22 3149
62		8.9R	28 37.122	0.0036	15	-25 39 1.33	-0.011	15	0.30	37.062	16	33.1	1.15	16	33.1	K0 M	14	3699	E -25 3300
63	10.1	8.7W	28 41.342	0.0014	21	-29 59 28.14	0.002	21	0.42	41.318	22	32.6	28.18	21	32.6	K2 L	C7	2792	C -29 3169
64		8.5R	28 42.654	-0.0011	18	-26 55 23.88	0.018	18	0.34	42.672	16	33.1	24.19	16	33.1	M0 M	14	3701	E -26 3079
65		8.5R	28 42.657	-0.0013	17	-29 2 30.89	0.017	17	0.32	42.679	16	33.1	31.18	16	33.1	F2 M	13B	3036	J -28 3080
66		5.8T	28 47.474	-0.0000	06	-27 44 1.64	-0.006	05	0.25	47.475	09	06.9	1.36	09	03.1	B5	GC	8463	C -27 3051
67		8.5R	28 47.591	-0.0007	18	-26 17 15.91	-0.033	18	0.34	47.604	16	33.1	15.36	16	33.1	M0 M	14	3702	E -26 3080
68		9.0R	28 49.445	-0.0027	18	-25 42 8.52	0.023	18	0.34	49.490	16	33.1	8.91	16	33.1	K5 M	14	3703	E -25 3303
69		9.2R	28 50.679	0.0014	15	-25 39 32.67	0.011	15	0.30	50.655	16	33.1	32.86	16	33.1	K2 J	14	3704	E -25 3304
70		8.8R	28 53.372	-0.0004	15	-25 23 39.44	0.028	15	0.30	53.378	16	33.1	39.91	16	33.1	F2 J	14	3705	E -25 3305
71		9.1R	28 56.455	-0.0012	18	-24 51 23.51	-0.009	18	0.34	56.475	16	33.1	23.36	16	33.1	A3 M	14	3706	E -24 4116
72		9.0R	28 56.881	-0.0015	17	-28 13 12.36	0.029	17	0.32	56.907	16	33.1	12.85	16	33.1	A2 M	13B	3038	J -28 3083
73		9.5R	28 59.197	-0.0025	20	-23 20 3.45	-0.018	20	0.37	59.239	16	33.1	3.16	16	33.1	A0 M	14	3707	E -23 3961
74		9.0R	29 0.041	-0.0008	13	-28 11 44.89	0.032	13	0.28	0.054	16	33.1	45.43	16	33.1	A5 M	13B	3039	J -28 3085
75		8.5R	29 5.219	-0.0037	20	-28 25 36.66	-0.104	20	0.37	5.282	16	33.1	34.90	16	33.1	G0 M	13B	3040	J -28 3087
76		9.6R	29 6.247	0.0004	18	-24 39 18.43	-0.055	18	0.34	6.240	16	33.1	17.50	16	33.1	K0 M	14	3709	E -24 4119
77		9.4R	29 6.569	0.0033	18	-26 46 37.94	-0.013	18	0.34	6.513	16	33.1	37.72	16	33.1	F5 M	14	3710	E -26 3084
78		9.1R	29 6.985	-0.0009	18	-23 50 23.99	0.003	18	0.34	6.999	16	33.1	24.04	16	33.1	K2 M	14	3708	E -23 3966
79		9.2R	29 15.398	-0.0011	18	-26 29 52.88	-0.016	18	0.34	15.417	16	33.1	52.61	16	33.1	F0 J	14	3711	E -26 3088
80		9.2R	29 16.632	-0.0002	13	-28 13 53.56	0.036	13	0.28	16.635	16	33.1	54.17	16	33.1	K0 M	13B	3041	J -28 3090
81		8.8R	29 19.823	-0.0056	15	-27 3 49.70	0.013	15	0.30	19.918	16	33.1	49.92	16	33.1	A0 M	13B	3042	J -27 3055
82		8.8A	29 21.589	-0.0005	17	-20 41 49.87	-0.007	13	0.30	21.598	16	33.1	49.74	16	33.1	A0 J	13A	2301	A -20 1419
83		8.5A	29 21.600	0.0004	12	-22 0 3.49	-0.003	11	0.25	21.593	16	33.1	3.44	16	33.1	A0 J	13A	2304	A -21 1492
84		6.7T	29 21.714	0.0002	15	-21 22 7.72	0.036	14	0.75	21.706	19	01.3	9.52	19	99.6	A5	GC	8480	-21 1491
85		9.2A	29 27.376	0.0001	17	-20 34 36.35	0.005	12	0.29	27.374	16	33.1	36.43	16	33.1	A0 J	13A	2305	A -20 1421
86		8.4A	29 30.059	0.0019	17	-21 1 42.96	-0.049	13	0.30	30.027	16	33.1	42.13	16	33.1	K0 J	13A	2306	A -20 1422
87		9.3R	29 30.579	-0.0000	20	-27 7 39.09	0.016	20	0.37	30.579	16	33.1	39.36	16	33.1	A2 M	13B	3044	J -27 3057
88		9.6R	29 32.673	-0.0005	15	-24 7 37.15	0.005	15	0.30	32.681	16	33.1	37.23	16	33.1	A3 M	14	3712	E -24 4125
89		9.1R	29 35.733	-0.0038	18	-25 0 31.37	-0.003	18	0.34	35.796	16	33.1	31.32	16	33.1	A5 M	14	3715	E -24 4128
90		8.6R	29 39.714	0.0011	15	-26 17 28.16	-0.026	12	0.28	39.695	16	33.1	27.72	16	33.1	M0 M	14	3717	E -26 3091
91		8.8R	29 41.179	-0.0014	21	-23 57 20.31	0.032	21	0.39	41.202	16	33.1	20.85	16	33.1	K7 M	14	3716	E -23 3985
92		9.0R	29 42.834	0.0008	18	-24 43 6.97	-0.010	18	0.34	42.821	16	33.1	6.80	16	33.1	K0 M	14	3719	E -24 4130
93		9.2R	29 43.927	0.0015	18	-26 8 19.71	0.007	18	0.34	43.902	16	33.1	19.83	16	33.1	M M	14	3722	E -26 3092
94		9.6R	29 45.824	0.0042	18	-25 28 15.91	-0.002	15	0.30	45.752	16	33.1	15.88	16	33.1	G M	14	3718	E -22 3181
95		4.4T	29 46.283	-0.0008	04	-23 22 52.26	0.010	04	0.22	46.316	07	06.8	52.81	10	96.9	B1	GC	8496K	C*-23 3991
96		9.3R	29 47.230	0.0002	18	-23 18 24.65	-0.006	18	0.34	47.228	16	33.1	24.56	16	33.1	F8 M	14	3721	E -23 3992
97		8.5A	29 50.143	-0.0014	17	-21 1 35.05	0.004	12	0.29	50.167	16	33.1	35.11	16	33.1	K7 J	13A	2309	A -20 1427
98		9.4A	29 57.224	-0.0004	18	-20 34 55.05	0.019	13	0.31	57.231	16	33.1	55.37	16	33.1	F0 J	13A	2310	A -20 1428
99		7.5R	29 59.650	-0.0007	12	-29 16 18.62	-0.031	12	0.26	59.663	16	33.1	18.10	16	33.1	K2 J	13B	3047	J -29 3189
00		8.8R	30 0.264	-0.0008	17	-28 29 23.42	-0.015	17	0.32	0.278	16	33.1	23.16	16	33.1	G0 M	13B	3046	J -28 3156

171900

EPOCH 1950 — ORIGINAL EPOCH — SOURCE — -20° 6H

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	σ'_μ ″.001	σ_{1950} ″	α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.		CAT.	STAR NUMBER	DM NUMBER
1		7.9R	6 30 1.814	-0.0011	18	-27 59 37.42	-0.031	18	0.34	1.833	16	33.1	36.89	16	33.1	KS	J	13B	3048	J -27 3068
2		9.0R	30 5.637	0.0001	00	-27 7 22.61	0.021	20	0.28	5.634	16	33.1	22.96	16	33.1	M4	M	13B	3049	J -27 3070
3		9.3R	30 12.103	0.0003	20	-28 44 16.06	0.052	20	0.37	12.098	16	33.1	16.95	16	33.1	GO	M	13B	3051	J -28 3111
4		9.1R	30 13.116	0.0006	18	-23 17 16.31	-0.006	18	0.34	13.107	16	33.1	16.18	16	33.1	KO	M	14	3723	E -23 3999
5		8.8A	30 13.352	-0.0008	18	-20 0 42.96	0.010	13	0.31	13.365	16	33.1	43.13	16	33.1	B9	J	13A	2312	A -19 1476
6		9.4R	30 16.671	0.0005	15	-25 55 41.58	0.012	15	0.30	16.663	16	33.1	41.78	16	33.1	G5	M	14	3724	E -25 3330
7		8.8A	30 17.221	0.0003	17	-21 17 35.01	0.017	12	0.29	17.216	16	33.1	35.29	16	33.1	KO	J	13A	2313	A -21 1495
8		9.5R	30 19.463	-0.0012	18	-25 23 32.81	-0.062	18	0.34	19.484	16	33.1	31.76	16	33.1	KO	M	14	3727	E -25 3331
9		9.5R	30 20.037	-0.0023	20	-23 37 10.66	-0.019	20	0.37	20.075	16	33.1	10.33	16	33.1	KO	M	14	3725	E -23 4000
10		9.3R	30 21.088	0.0011	18	-23 31 17.51	0.020	18	0.34	21.089	16	33.1	17.84	16	33.1	KO	M	14	3726	E -23 4001
11		8.7R	30 23.914	-0.0037	20	-27 45 5.03	0.034	20	0.37	23.976	16	33.1	5.59	16	33.1	KO	M	13B	3054	J -27 3073
12		9.0R	30 23.993	0.0007	18	-24 46 7.98	-0.020	18	0.34	23.981	16	33.1	7.65	16	33.1	KO	M	14	3728	E -24 4143
13		7.8A	30 24.129	-0.0005	15	-20 59 1.91	-0.003	12	0.28	24.137	16	33.1	1.86	16	33.1	B5	J	13A	2315	A -20 1432
14		9.4R	30 26.165	0.0031	18	-24 5 15.75	0.100	18	0.34	26.114	16	33.1	17.43	16	33.1	KO	M	14	3729	E -24 4144
15		9.0R	30 26.638	0.0018	17	-29 48 57.01	0.026	17	0.32	26.607	16	33.1	57.49	16	33.1	F2	M	13B	3056	J -29 3194
16		8.4R	30 29.076	0.0009	15	-23 8 49.90	0.016	15	0.30	29.062	16	33.1	50.18	16	33.1	K7	M	14	3731	E -23 4004
17		8.3R	30 29.817	-0.0018	12	-29 37 29.31	-0.011	12	0.26	29.847	16	33.1	29.13	16	33.1	K2	J	13B	3057	J -29 3195
18		8.7R	30 31.456	-0.0007	18	-23 35 38.16	0.007	18	0.34	31.468	16	33.1	38.27	16	33.1	A0	J	14	3732	E -23 4008
19		9.2R	30 38.047	-0.0000	18	-26 30 48.69	0.062	18	0.34	38.047	16	33.1	49.73	16	33.1	F8	M	14	3734	E -26 3106
20		9.7R	30 38.378	0.0019	20	-24 48 39.68	-0.062	20	0.37	38.346	16	33.1	38.64	16	33.1	GO	M	14	3733	E -24 4147
21		8.5R	30 41.158	-0.0044	20	-29 32 42.46	0.065	20	0.37	41.232	16	33.1	43.56	16	33.1	KO	J	13B	3058	J*-29 3197
22		9.2R	30 44.252	0.0011	18	-22 17 31.73	0.008	15	0.32	44.233	16	33.1	31.86	16	33.1	K2	M	14	3735	E -22 3195
23		9.3R	30 44.543	-0.0006	20	-22 51 45.14	-0.012	20	0.37	44.554	16	33.1	44.95	16	33.1	F0	M	14	3736	E -22 3198
24		8.6R	30 45.770	-0.0001	18	-24 19 48.02	-0.033	18	0.34	45.772	16	33.1	47.46	16	33.1	KO	J	14	3738	E -24 4153
25		7.0T	30 46.261	0.0069	13	-27 22 1.48	0.103	12	0.68	45.914	15	99.6	7.04	18	95.9	F5		GC	8519K	C*-27 3078
26		9.0R	30 47.791	0.0024	18	-26 54 17.82	-0.017	18	0.34	47.751	16	33.1	17.53	16	33.1	KO	M	14	3739	E -26 3110
27		9.4R	30 50.694	0.0002	18	-24 55 13.35	-0.027	18	0.34	50.691	16	33.1	12.90	16	33.1	G5	M	14	3740	E -24 4155
28		9.3R	30 55.710	0.0000	15	-25 27 13.13	0.009	15	0.30	55.710	16	33.1	13.28	16	33.1	KO	M	14	3741	E -25 3342
29		8.6R	30 56.553	-0.0007	20	-27 54 5.20	-0.007	20	0.37	56.564	16	33.1	5.07	16	33.1	KO	J	13B	3062	J -27 3082
30		8.1R	31 3.089	0.0017	15	-27 33 29.57	-0.031	12	0.28	3.080	16	33.1	29.04	16	33.1	A2	J	13B	3064	J -27 3084
31		8.1R	31 3.883	-0.0019	18	-22 34 12.53	0.009	18	0.34	3.915	16	33.1	12.69	16	33.1	K2	J	14	3742	E -22 3203
32		9.2R	31 8.058	0.0007	18	-25 7 40.06	0.041	18	0.34	8.045	16	33.1	40.75	16	33.1	G5	M	14	3746	E -25 3348
33		8.8R	31 9.323	-0.0004	20	-26 23 21.24	0.023	20	0.37	9.330	16	33.1	21.62	16	33.1	KO	M	14	3748	E -26 3119
34		8.1R	31 10.458	-0.0006	13	-23 1 40.76	0.011	13	0.28	10.468	16	33.1	40.95	16	33.1	K5	J	14	3745	E -22 3206
35		8.5R	31 12.033	-0.0009	18	-23 42 48.74	0.009	18	0.34	12.049	16	33.1	48.89	16	33.1	B9	J	14	3747	E -23 4019
36		8.7R	31 12.098	-0.0020	18	-24 25 52.93	0.005	18	0.34	12.131	16	33.1	53.01	16	33.1	GO	J	14	3749K	E -24 4160
37		9.2R	31 16.393	0.0009	17	-28 56 14.39	-0.006	17	0.32	16.379	16	33.1	14.30	16	33.1	F5	M	13B	3067	J -28 3125
38		9.6R	31 16.977	0.0033	18	-24 57 43.30	0.003	18	0.34	16.922	16	33.1	43.35	16	33.1	KO	M	14	3750	E -24 4162
39		7.9R	31 18.194	-0.0000	20	-29 43 13.32	-0.020	20	0.37	18.194	16	33.1	12.99	16	33.1	K5	J	13B	3068	J -29 3206
40		6.4T	31 18.253	-0.0025	12	-20 53 3.71	-0.028	10	0.41	18.337	15	15.9	2.67	15	13.3	G5		GC	8533	-20 1437
41		8.4A	31 24.253	-0.0014	18	-20 5 59.00	0.001	13	0.31	24.277	16	33.1	59.02	16	33.1	F2	J	13A	2322	A -20 1438
42		8.3R	31 24.639	-0.0018	18	-24 10 57.34	0.006	18	0.34	24.670	16	33.1	57.42	16	33.1	A0	J	14	3752	E -24 4167
43		9.1A	31 27.591	-0.0003	17	-20 57 18.21	0.010	13	0.30	27.596	16	33.1	18.37	16	33.1	A0	J	13A	2323	A -20 1439
44		8.6R	31 30.263	0.0001	15	-23 4 8.14	-0.005	15	0.30	30.282	16	33.1	8.06	16	33.1	K2	M	14	3753	E -23 4027
45		8.0R	31 31.174	0.0006	20	-29 10 14.23	0.019	20	0.37	31.165	16	33.1	14.56	16	33.1	A0	J	13B	3070	J -29 3211
46		9.0R	31 33.122	-0.0064	20	-22 50 5.94	0.015	20	0.37	33.231	16	33.1	6.20	16	33.1	G5	M	14	3754	E -22 3212
47		8.6R	31 34.976	-0.0036	20	-28 33 48.31	0.015	20	0.37	35.037	16	33.1	48.56	16	33.1	F5	M	13B	3071	J -28 3128
48		9.3R	31 35.043	0.0001	18	-22 39 22.80	0.026	18	0.34	35.042	16	33.1	23.25	16	33.1	A0	J	14	3755	E -22 3213
49		8.2R	31 35.689	0.0007	20	-29 34 39.57	0.026	20	0.37	35.676	16	33.1	40.02	16	33.1	M2	M	13B	3072	J -29 3217
50		7.2T	31 38.896	0.0006	13	-26 17 23.53	0.023	13	0.71	38.868	21	00.2	24.73	19	97.6	A0		GC	8542	C -26 3128
51		8.5R	6 31 42.342	0.0001	20	-28 50 59.04	0.049	20	0.37	42.341	16	33.1	59.86	16	33.1	F8	J	13B	3073	J -28 3133
52		8.5R	31 44.695	0.0017	20	-29 13 58.49	0.047	20	0.37	44.666	16	33.1	59.29	16	33.1	K5	J	13B	3075	J -29 3218
53		9.2R	31 45.786	-0.0006	18	-24 28 10.70	0.003	18	0.34	45.796	16	33.1	10.74	16	33.1	G5	M	14	3758	E -24 4175
54		8.9R	31 47.746	0.0007	15	-22 13 33.51	-0.003	15	0.30	47.734	16	33.1	33.46	16	33.1	A2	J	14	3757	E -22 3215
55		9.3R	31 47.972	-0.0010	20	-27 54 59.41	-0.017	20	0.37	47.989	16	33.1	59.12	16	33.1	A0	M	13B	3077	J -27 3095
56		9.0R	31 49.658	0.0015	20	-29 47 18.39	0.019	20	0.37	49.632	16	33.1	18.72	16	33.1	KO	M	13B	3078	J -29 3222
57		9.3R	31 52.977	0.0025	20	-22 51 7.89	-0.075	20	0.37	52.935	16	33.1	6.63	16	33.1	G5	M	14	3759	E -22 3219
58		9.1R	31 53.808	-0.0015	20	-25 27 26.82	0.033	20	0.37	53.834	16	33.1	27.37	16	33.1	G5	M	14	3760	E -25 3362
59		8.1A	31 59.265	-0.0009	17	-21 29 46.23	0.011	12	0.29	59.280	16	33.1	46.41	16	33.1	A0	J	13A	2325	A -21 1502
60		8.3R	32 3.717	0.0015	20	-25 59 16.71	0.082	20	0.37	3.692	16	33.1	18.09	16	33.1	A5	J	14	3761	E -25 3366
61		8.8R	32 7.344	0.0040	18	-26 48 2.01	-0.010	18	0.34	7.276	16	33.1	1.84	16	33.1	KO	J	14	3762	E -26 3135
62		8.9A	32 7.862	-0.0001	17	-20 6 8.37	0.018	12	0.29	7.864	16	33.1	8.68	16	33.1	A0	J	13A	2326	A -20 1441
63		8.2R	32 12.028	0.0015	16	-29 35 13.94	-0.054	12	0.75	11.956	19	01.0	11.10	18	97.0			GC	8561K	C -29 3225
64		7.1R	32 12.066	0.0014	16	-29 35 22.18	-0.053	13	0.76	11.999	17	00.8	19.44	18	98.1	A2		GC	8562K	C*-29 3225
65		8.9R	32 14.593	0.0001	20	-29 41 51.10	0.015	20	0.37	14.592	16	33.1	51.36	16	33.1	A3	J	13B	3086	J -29 3226
66		8.5R	32 15.371	0.0006	20	-27 17 7.02	0.021	20	0.37	15.361	16	33.1	7.37	16	33.1	KO	J	13B	3083	J -27 3104
67		9.1R	32 17.780	-0.0027	18	-23 50 4.00	-0.001	18	0.34	17.825	16	33.1	3.98	16	33.1	F2	J	14	3763	E -23 4046
68		8.8R	32 19.433	0.0008	21	-25 47 49.06	0.041	21	0.39	19.420	16	33.1	49.75	16	33.1	A5	J	14	3764	E -25 3368
69		8.8R	32 21.398	0.0007	20	-25 29 28.29	0.001	20	0.37	21.365	16	33.1	28.30	16	33.1	K5	J	14	3765	E -25 3369
70		9.3R	32 24.135	-0.0023	21	-26 20 4.12	-0.030	21	0.39	24.174	16	33.1	3.61	16	33.1	A0	M	14	3766	E -26 3142
71		8.5R	32 34.211	-0.0019	18	-24 10 14.03	-0.012	18	0.34	34.243	16	33.1	13.82	16	33.1	A0	J	14	3767	E -24 4184
72		8.9R	32 34.965	0.0014	20	-29 40 52.46	-0.024	20	0.37	34.942	16	33.1	52.07	16	33.1	F8	M	13B	3088	J -29 3231
73		6.9T	32 36.856	-0.0019	15	-20 31 0.18	0.002	13	0.68	36.940	21	05.2	0.26	19	02.7	A0		GC	8569	-20 1446
74		9.1R	32 38.947	-0.0004	18	-24 7 27.67	0.030	18	0.34	38.953	16	33.1	28.17	16	33.1	KO	M	14	3768	E -24 4187
75		8.8A	32 39.068	0.0002	20	-20 44 26.67	-0.039	15	0.33	39.065	16	33.1	26.00	16	33.1	F5	J	13A	2332	A -20 1447
76		8.9A	32 39.709	-0.0005	18	-21 18 35.49	-0.013	13	0.31	39.718	16	33.1	35.26	16	33.1	GO	J	13A	2334	A -21 1506
77		9.1R	32 45.057	-0.0033	21	-26 30 19.31	0.027	21	0.39	45.113	16	33.1	19.76	16	33.1	G5	M	14	3770	E -26 3147
78		8.6R	32 46.713	-0.0016	21	-23 28 36.08	0.017	21	0.39	46.740	16	33.1	36.38	16	33.1	F0	J	14	3769	E -23 4059
79		9.1R	32 52.078	0.0002	18	-22 16 50.44	0.020	18	0.34	52.073	16	33.1	50.78	16	33.1	KO	M	14	3771	E -22 3251
80		8.7A	32 52.630	-0.0003	20	-21 57 15.32	0.017	15	0.33	52.635	16	33.1	15.60	16	33.1	A0	J	13A	2336	A -21 1508
81		9.0A	32 55.780	0.0000	20	-20 7 56.91	0.014	15	0.33	55.780	16	33.1	57.15	16	33.1	M0	J	13A	2337	A -20 1448
82		4.9H	32 57.562	0.0003	02	-22 55 26.07	0.013	02	0.06	57.553	03	15.9	26.53	03	15.7	A0		F4	249	-22 1458
83		8.8A	32 59.247	0.0001	20	-21 22 6.73	0.006	15	0.33	59.245	16	33.1	6.83	16	33.1	KO	J	13A	2338	A -21 1509
84		9.1R	32 59.856	-0.0034	18	-22 45 55.16	0.043	18	0.34	59.914	16	33.1	55.90	16	33.1	F2	J	14	3774	E -22 3238
85		8.7R	33 1.069	0.0007	20	-27 14 45.31	0.021	20	0.37	1.058	16	33.1	45.66	16	33.1	A3	J	13B	3090	J -27 3111
86		9.0R	33 1.097	-0.0012	18	-22 37 34.77	0.024	18	0.34	1.117	16	33.1	35.18	16	33.1	F8	J	14	3775	E -22 3239
87		9.0R	33 3.626	-0.0021	18	-24 22 30.52	-0.010	18	0.34	3.662	16	33.1	30.35	16	33.1	A5	J	14	3776K	E -24 4193
88		7.7A	33 6.456	-0.0003	18	-20 21 2.87	0.010	13	0.31	6.460	16	33.1	3.04	16	33.1	B9	J	13A	2341	A -20 1449
89		7.9T	33 11.371	0.0004	14	-25 47 55.67	0.008	12	0.71	11.353	21	00.1	56.10	19	95.8	B8		GC	8584	C -25 3380
90		8.6R	33 15.444	-0.0021	18	-24 39 53.01	0.008	18	0.34	15.479	16	33.1	53.15	16	33.1	KO	J	14	3778	E -24 4198
91		8.7R	33 18.067	-0.0013	17	-26 0 17.05	0.076	17	0.32	18.089	16	33.1	18.33	16	33.1	G5	M	14	3779	E -25 3384
92		6.5T	33 23.879	0.0004	18	-22 4 1.01	-0.008	17	0.87	23.862	18	01.9	0.61	19	01.1	KO		GC	8592	-21 1514
93		8.8R	33 26.795	0.0014	20	-25 48 59.90	0.123	20	0.37	26.771	16	33.1	1.97	16	33.1	F0	J	14	3781	E -25 3389
94		8.6R	33 29.669	-0.0021	20	-26 49 13.94	0.019	20	0.37	29.704	16	33.1	14.25	16	33.1	KO	J	14	3782	E -26 3162
95		9.0R	33 32.462	-0.0074	20	-25 27 15.41	0.034	20	0.37	32.587	16	33.1	15.98	16	33.1	KO	M	14	3784	E -25 3391
96		8.9R	33 35.885	-0.0004	18	-22 30 2.06	0.064	18	0.34	35.891	16	33.1	3.15	16	33.1	K5	J	14	3783	E -22 3250
97		9.2R	33 38.413	0.0003	20	-28 27 40.99	0.023	20	0.37	38.408	16	33.1	41.37	16	33.1	K0	M	13B	3099	J -28 3168
98		9.7R	33 40.772	0.0015	18	-24 25 11.71	-0.020	18	0.34	40.747	16	33.1	11.36	16	33.1	F5	M	14	3786	E -24 4203
99		9.3R	33 45.543	0.0001	18	-23 19 47.77	-0.002	18	0.34	45.542	16	33.1	47.74	16	33.1	F8	M	14	3787	E -23 4076
00		9.4R	33 54.727	-0.0019	20	-22 11 39.31	-0.019	20	0.37	54.759	16	33.1	38.99	16	33.1	K0	M	14	3788	E -22 3252

172000

EPOCH 1950											ORIGINAL EPOCH							SP.		SOURCE		-20° 6H
NUMBER	MAGNITUDES		α_{1950}	μ	σ_μ	δ_{1950}	μ'	$\sigma_{\mu'}$	σ_{1950}		α_2	σ	ep.	δ_2	σ'	ep.			CAT.	STAR NUMBER	DM NUMBER
	m_{pg}	m_v	h m s	s	″ .001	° ′ ″	″	″ .001	″		s	″ .01		″	″ .01						
1		9.3R	6 33 58.428	-0.0053	18	-24 4 57.96	-0.002	18	0.34		58.518	16	33.1	57.92	16	33.1	F8	M	14	3789	E -24 4208
2		8.0R	34 0.813	-0.0015	18	-24 4 35.30	-0.013	18	0.34		0.839	16	33.1	35.08	16	33.1	B9	J	14	3790	E -24 4209
3		7.2R	34 2.216	-0.0016	18	-24 49 24.19	-0.034	18	0.34		2.243	16	33.1	23.62	16	33.1	K2	J	14	3792	E -24 4210
4		8.7R	34 3.651	0.0018	17	-26 26 12.62	-0.003	17	0.32		3.621	16	33.1	12.56	16	33.1	K0	J	14	3795	E -26 3168
5		9.0R	34 6.198	0.0002	18	-24 23 15.40	0.013	18	0.34		6.194	16	33.1	15.61	16	33.1	G5	J	14	3794	E -24 4211
6		9.5R	34 7.404	0.0005	20	-22 51 34.20	0.030	20	0.37		7.396	16	33.1	34.71	16	33.1	A5	M	14	3793	E -22 3258
7		8.8A	34 9.335	0.0008	17	-21 14 40.38	0.017	13	0.30		9.322	16	33.1	40.66	16	33.1	K5	J	13A	2351	A -21 1521
8		8.1R	34 9.483	0.0013	12	-27 34 34.08	-0.260	12	0.26		9.461	16	33.1	29.68	16	33.1	G5	J	13B	3104	J -27 3124
9		9.3R	34 11.810	0.0000	18	-23 16 56.53	-0.011	18	0.34		11.810	16	33.1	56.35	16	33.1	K0	M	14	3796	E -23 4087
10		7.2T	34 12.021	-0.0007	11	-28 47 34.94	0.002	11	0.64		12.056	18	96.9	35.08	18	95.7	K2		GC	8615	C -28 3183
11		8.9R	34 13.414	0.0008	17	-29 21 17.28	-0.009	17	0.32		13.401	16	33.1	17.14	16	33.1	K0	J	13B	3107	J -29 3257
12		8.6R	34 14.224	-0.0016	15	-22 29 41.84	0.031	15	0.30		14.251	16	33.1	42.36	16	33.1	G5	J	14	3797	E -22 3260
13		9.2R	34 14.734	-0.0018	17	-28 18 54.70	0.008	17	0.32		14.765	16	33.1	54.83	16	33.1	A2	J	13B	3106	J -28 3184
14		8.3R	34 15.215	0.0000	20	-26 4 52.30	-0.009	20	0.37		15.215	16	33.1	52.14	16	33.1	K0	J	14	3799	E -26 3173
15		9.1R	34 16.745	-0.0014	15	-22 53 35.10	0.032	15	0.30		16.770	16	33.1	35.65	16	33.1	A2	J	14	3798	E -22 3264
16		7.5R	34 18.564	0.0004	18	-26 29 31.36	-0.058	18	0.34		18.557	16	33.1	30.37	16	33.1	K5	J	14	3801	E -26 3174
17		9.3R	34 23.992	-0.0030	20	-22 18 29.35	0.009	20	0.37		24.042	16	33.1	29.50	16	33.1	A0	J	14	3800	E -22 3266
18		8.9A	34 25.446	-0.0008	15	-20 11 16.34	-0.023	12	0.28		25.459	16	33.1	15.96	16	33.1	F2	J	13A	2353	A -20 1457
19		9.6R	34 34.312	0.0005	18	-24 9 35.67	-0.008	18	0.34		34.303	16	33.1	35.53	16	33.1	K0	M	14	3804	E -24 4220
20		9.1A	34 34.586	0.0019	18	-21 17 1.05	-0.032	13	0.31		34.553	16	33.1	0.51	16	33.1	K5	J	13A	2355	A -21 1522
21		6.2T	34 34.741	-0.0026	17	-22 34 18.87	-0.008	16	0.83		34.867	18	01.3	18.48	18	99.9	B8		GC	8626K	B*-22 1472
22		9.0R	34 34.870	-0.0008	18	-22 45 37.07	0.022	18	0.34		34.885	16	33.1	37.45	16	33.1	K0	M	14	3803	E -22 3271
23		9.0R	34 37.637	0.0015	18	-25 10 27.79	0.010	18	0.34		37.612	16	33.1	27.95	16	33.1	A0	J	14	3806	E -25 3406
24		9.2A	34 38.006	0.0003	18	-20 20 36.12	0.033	13	0.31		38.001	16	33.1	36.68	16	33.1	A5	J	13A	2357	A -20 1462
25		9.3R	34 38.888	-0.0044	20	-27 27 45.28	0.021	15	0.33		38.962	16	33.1	45.63	16	33.1	K0	M	13B	3109	J -27 3128
26		9.2R	34 41.866	-0.0018	13	-29 9 18.97	-0.009	13	0.28		41.897	16	33.1	18.83	16	33.1	A0	J	13B	3111	J -29 3269
27		9.2R	34 42.253	-0.0011	18	-23 16 58.96	-0.001	18	0.34		42.272	16	33.1	58.95	16	33.1	K0	M	14	3807	E -23 4099
28		8.7R	34 45.751	-0.0002	15	-25 41 17.79	0.021	15	0.30		45.754	16	33.1	18.14	16	33.1	A2	J	14	3810	E -25 3410
29		9.1A	34 45.857	0.0010	18	-21 21 13.74	-0.002	13	0.31		45.840	16	33.1	13.70	16	33.1	F0	J	13A	2358	A -21 1524
30		9.0R	34 47.581	-0.0022	18	-22 58 1.75	0.001	18	0.34		47.619	16	33.1	1.77	16	33.1	A0	J	14	3808	E -22 3274
31		8.1R	34 48.800	-0.0010	18	-22 13 22.99	-0.006	18	0.34		48.816	16	33.1	22.89	16	33.1	M3	J	14	3809	E -22 3275
32		9.1R	34 52.748	0.0029	18	-23 23 8.11	0.002	18	0.34		52.699	16	33.1	8.15	16	33.1	K2	M	14	3811	E -23 4105
33		8.5R	34 53.847	-0.0001	18	-26 42 48.57	-0.001	18	0.34		53.848	16	33.1	48.55	16	33.1	F0	J	14	3812	E -26 3184
34		9.0R	34 54.201	0.0000	18	-27 0 29.67	-0.029	18	0.34		54.201	16	33.1	29.17	16	33.1	F5	J	14	3813	E -26 3186
35		8.6R	34 57.956	0.0013	17	-28 17 46.71	0.012	17	0.32		57.934	16	33.1	46.90	16	33.1	K0	J	13B	3112	J -28 3197
36		8.9A	35 1.821	-0.0022	20	-20 31 17.61	-0.014	15	0.33		1.859	16	33.1	17.37	16	33.1	A0	J	13A	2362	A -20 1466
37		7.4T	35 5.717	-0.0006	12	-28 39 44.33	-0.030	12	0.62		5.745	17	00.0	42.82	17	99.1	K0		GC	8643	C -28 3201
38		8.9R	35 9.274	0.0023	18	-23 16 3.80	-0.003	18	0.34		9.235	16	33.1	3.76	16	33.1	K5	M	14	3815	E -23 4111
39		9.1R	35 10.786	-0.0042	20	-29 13 37.46	-0.046	20	0.37		10.858	16	33.1	36.70	16	33.1	G0	J	13B	3117	J -29 3275
40		9.5R	35 11.323	-0.0026	15	-22 35 44.27	0.012	15	0.30		11.367	16	33.1	44.48	16	33.1	F0	M	14	3816	E -22 3285
41		9.0A	35 11.573	0.0001	17	-20 24 4.80	0.010	12	0.29		11.572	16	33.1	4.97	16	33.1	K5	J	13A	2363	A -20 1469
42		9.0R	35 12.359	-0.0068	15	-25 18 55.08	-0.147	15	0.30		12.474	16	33.1	52.59	16	33.1	G5	M	14	3819	E -25 3416
43		9.1A	35 15.108	0.0034	18	-20 32 34.67	0.017	13	0.31		15.051	16	33.1	34.95	16	33.1	B9	J	13A	2364	A -20 1470
44		9.0R	35 15.229	0.0001	18	-23 18 56.42	-0.022	18	0.34		15.227	16	33.1	56.06	16	33.1	K2	M	14	3818	E -23 4113
45		8.6A	35 22.211	-0.0009	15	-21 54 43.50	-0.016	12	0.28		22.226	16	33.1	43.23	16	33.1	K5	J	13A	2366	A -21 1527
46		8.5R	35 27.671	-0.0007	18	-25 6 38.65	-0.027	18	0.34		27.683	16	33.1	38.20	16	33.1	A0	J	14	3820	E -25 3420
47	10.3	9.5W	35 33.700	-0.0018	21	-29 59 14.51	-0.025	21	0.42		33.732	22	32.6	14.08	21	32.6			C7	2870	C -29 3284
48		9.2R	35 35.041	0.0000	17	-28 55 54.39	0.027	17	0.32		35.040	16	33.1	54.84	16	33.1	A3	J	13B	3120	J*-28 3211
49		9.3R	35 35.189	-0.0012	18	-23 5 34.83	-0.008	18	0.34		35.209	16	33.1	34.71	16	33.1	F0	M	14	3821	E -23 4121
50		9.4R	35 36.789	0.0016	12	-26 42 1.34	-0.049	12	0.26		36.762	16	33.1	0.51	16	33.1	G5	J	14	3824	E -26 3197
51		9.6R	6 35 37.953	-0.0006	20	-22 26 8.11	0.036	20	0.37		37.963	16	33.1	8.72	16	33.1	A5	M	14	3822	E -22 3291
52		8.6R	35 39.126	0.0020	18	-24 42 53.39	-0.026	18	0.34		39.093	16	33.1	52.95	16	33.1	K2	J	14	3823	E -24 4240
53		9.3R	35 40.248	-0.0001	18	-26 9 49.05	-0.002	18	0.34		40.250	16	33.1	49.01	16	33.1	G	M	14	3827	E -26 3198
54		9.2R	35 40.901	0.0017	18	-24 7 18.64	-0.042	18	0.34		40.871	16	33.1	17.92	16	33.1	K0	M	14	3825	E -24 4242
55		9.0R	35 41.108	-0.0009	18	-26 13 51.42	-0.024	18	0.34		41.123	16	33.1	51.01	16	33.1	G5	J	14	3828	E -26 3199
56		8.9A	35 42.795	-0.0012	17	-21 43 48.08	-0.020	12	0.29		42.815	16	33.1	47.74	16	33.1	F8	J	13A	2369	A -21 1528
57		9.1R	35 43.732	-0.0005	17	-28 32 12.12	0.022	17	0.32		43.741	16	33.1	12.50	16	33.1	F2	M	13B	3124	J -28 3212
58		9.1R	35 49.118	-0.0009	13	-23 2 55.24	0.008	13	0.28		49.134	16	33.1	55.38	16	33.1	G5	M	14	3829	E -22 3296
59		9.2A	35 50.068	0.0008	20	-21 19 42.09	-0.030	15	0.33		50.055	16	33.1	41.57	16	33.1	G5	J	13A	2370	A -21 1529
60		9.2R	35 50.526	-0.0042	17	-29 59 47.31	-0.004	17	0.32		50.597	16	33.1	47.25	16	33.1	K0	M	13B	3126	J -29 3288
61		8.3R	36 0.114	-0.0013	12	-27 45 12.89	0.008	12	0.26		0.137	16	33.1	13.02	16	33.1	A2	J	13B	3127	J -27 3146
62		8.9R	36 0.761	0.0015	15	-26 59 4.88	-0.008	15	0.30		0.735	16	33.1	4.74	16	33.1	K0	J	14	3832	E -26 3208
63		8.4T	36 1.381	0.0000	15	-28 27 5.90	0.031	13	0.73		1.380	21	01.0	7.49	19	98.0	A5		GC	8670	C -28 3219
64		8.9R	36 3.922	0.0036	18	-23 36 25.10	-0.023	18	0.34		3.860	16	33.1	24.71	16	33.1	K0	M	14	3831	E -23 4133
65		8.4R	36 10.068	-0.0002	18	-22 43 19.87	-0.008	18	0.34		10.072	16	33.1	19.74	16	33.1	G5	J	14	3833	E -22 3303
66		8.5R	36 16.080	-0.0016	18	-26 4 30.87	-0.040	18	0.34		16.107	16	33.1	30.19	16	33.1	K0	J	14	3836	E -26 3210
67		8.3R	36 17.409	-0.0023	20	-28 59 31.60	-0.030	20	0.37		17.448	16	33.1	31.10	16	33.1	A0	J	13B	3131	J -28 3224
68		6.6T	36 18.025	0.0010	10	-23 32 4.99	0.014	11	0.60		17.973	15	96.4	5.77	17	93.8	+++		GC	8677	C*-23 4144
69		9.2A	36 18.616	-0.0005	17	-21 39 15.57	0.002	13	0.30		18.625	16	33.1	15.60	16	33.1	G0	J	13A	2373	A -21 1533
70		9.4R	36 19.351	-0.0020	21	-23 29 31.11	0.023	21	0.39		19.384	16	33.1	31.51	16	33.1			14	3835	E -23 4145
71		9.2R	36 22.805	-0.0001	20	-22 59 21.10	-0.005	20	0.37		22.807	16	33.1	21.02	16	33.1	A0	J	14	3837	E -22 3306
72		8.9R	36 22.993	-0.0001	12	-22 59 35.11	0.033	12	0.26		22.994	16	33.1	35.68	16	33.1	A0	J	14	3838	E -22 3306
73		9.2A	36 25.361	-0.0005	15	-21 47 31.46	0.002	12	0.28		25.369	16	33.1	31.49	16	33.1	K5	J	13A	2376	A -21 1534
74		9.0R	36 26.121	-0.0006	20	-22 34 15.95	-0.011	20	0.37		26.131	16	33.1	15.77	16	33.1	K2	M	14	3839	E -22 3309
75		8.4R	36 27.128	-0.0010	17	-28 44 44.75	0.024	17	0.32		27.146	16	33.1	45.16	16	33.1	A3	J	13B	3133	J -28 3226
76		8.3R	36 28.493	-0.0011	18	-24 52 19.23	0.020	18	0.34		28.511	16	33.1	19.57	16	33.1	M1	M	14	3840	E -24 4263
77		9.0R	36 32.223	-0.0010	12	-24 7 31.77	0.022	12	0.26		32.239	16	33.1	32.14	16	33.1	F8	J	14	3841	E -24 4264
78		9.0T	36 33.178	0.0006	18	-24 55 15.07	0.011	22	0.94		33.150	24	04.7	15.56	24	05.9	K2		GC	8685	C -24 4265
79		9.2R	36 36.164	0.0023	18	-25 51 18.63	0.004	18	0.34		36.125	16	33.1	18.69	16	33.1	A2	J	14	3843	E -25 3443
80		9.4R	36 41.260	-0.0012	18	-26 18 16.76	-0.022	18	0.34		41.281	16	33.1	16.38	16	33.1	A5	J	14	3845	E -26 3219
81		9.2A	36 42.841	-0.0009	15	-21 14 53.54	0.020	11	0.27		42.857	16	33.1	53.87	16	33.1	F5	J	13A	2377	A -21 1535
82		9.6R	36 44.129	0.0036	18	-22 20 4.28	-0.006	18	0.34		44.067	16	33.1	4.18	16	33.1	A0	M	14	3844	E -22 3313
83		9.0R	36 44.517	-0.0022	20	-28 32 15.57	0.025	20	0.37		44.555	16	33.1	16.00	16	33.1	G5	J	13B	3136	J -28 3229
84		8.9R	36 49.498	0.0013	20	-28 42 38.40	0.016	20	0.37		49.476	16	33.1	38.68	16	33.1	A0	J	13B	3139	J -28 3230
85		9.2R	36 50.094	0.0025	20	-22 55 52.05	0.015	20	0.37		50.052	16	33.1	52.31	16	33.1	K2	M	14	3846	E -22 3317
86		8.0R	36 57.693	-0.0033	20	-27 4 26.77	0.003	20	0.37		57.749	16	33.1	26.82	16	33.1	A3	J	13B	3141	J -27 3160
87		9.2R	37 1.370	0.0030	15	-26 55 37.99	-0.006	15	0.30		1.319	16	33.1	37.89	16	33.1	K0	J	14	3850	E -26 3227
88		8.6R	37 2.352	-0.0022	15	-24 52 28.42	-0.009	15	0.30		2.390	16	33.1	28.27	16	33.1	K2	J	14	3847	E -24 4274
89		8.8R	37 3.688	-0.0002	15	-24 18 8.16	0.016	15	0.30		3.691	16	33.1	8.42	16	33.1	A0	J	14	3848	E -24 4273
90		9.4R	37 5.236	-0.0042	20	-24 36 30.50	0.061	20	0.37		5.307	16	33.1	31.53	16	33.1	G5	M	14	3851	E -24 4275
91		9.2R	37 6.445	-0.0025	17	-22 23 14.08	0.029	17	0.32		6.487	16	33.1	14.57	16	33.1	K0	M	14	3849	E -22 3324
92		8.9R	37 8.782	0.0009	18	-23 8 0.61	0.031	18	0.34		8.766	16	33.1	1.14	16	33.1	G0	J	14	3852	E -23 4165
93		8.8R	37 9.207	-0.0010	18	-25 56 54.38	0.035	18	0.34		9.224	16	33.1	54.96	16	33.1	G0	J	14	3853	E -25 3450
94		7.6R	37 9.774	-0.0018	20	-29 6 51.77	0.003	20	0.37		9.805	16	33.1	51.83	16	33.1	K0	J	13B	3144	J -29 3314
95		8.5R	37 10.932	-0.0032	12	-26 31 35.00	0.007	12	0.26		10.986	16	33.1	35.11	16	33.1	G5	J	14	3854	E -26 3231
96		9.3R	37 15.626	0.0030	18	-23 45 59.21	0.010	18	0.34		15.575	16	33.1	59.37	16	33.1	G0	J	14	3855	E -23 4168
97		8.7A	37 21.557	-0.0005	17	-21 44 21.43	-0.014	12	0.29		21.566	16	33.1	21.19	16	33.1	B9	J	13A	2379	A -21 1538
98		8.9A	37 24.342	-0.0016	13	-20 35 46.63	0.015	09	0.25		24.369	16	33.1	46.88	16	33.1	A5	J	13A	2380	A -20 1483
99		9.4R	37 24.797	0.0009	15	-23 0 17.67	0.025	15	0.30		24.781	16	33.1	18.10	16	33.1	K	M	14	3856	E -22 3328
00		8.5R	37 26.867	0.0018	18	-26 21 59.74	0.002	00	0.27		26.837	16	33.1	59.77	16	33.1	K0	J	14	3857	E -26 3237

172100 — — EPOCH 1950 — ORIGINAL EPOCH — SOURCE — -20° 6H

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	CAT.	STAR NUMBER	DM NUMBER
1		7.9R	6 37 28.490	0.0016	20	-28 23 40.30	-0.017	20	0.37	28.463	16	33.1	40.00	16	33.1	MO M	13B	3148	J -28 3246
2		5.9T	37 31.386	0.0006	12	-23 38 55.75	-0.004	11	0.64	31.355	17	95.7	55.52	17	95.5	AO	GC	8708	C+-23 4172
3		8.8A	37 32.459	0.0009	17	-21 16 43.07	-0.004	12	0.29	32.444	16	33.1	43.00	16	33.1	FO J	13A	2382	A -21 1540
4		8.6R	37 33.212	-0.0032	17	-29 0 7.32	0.017	17	0.32	33.267	16	33.1	7.62	16	33.1	A2 J	13B	3151	J -28 3250
5		8.8R	37 35.676	0.0024	18	-24 44 46.40	-0.001	18	0.34	35.636	16	33.1	46.39	16	33.1	KO J	14	3859	E -24 4291
6	10.1	8.6W	37 35.943	-0.0029	21	-29 39 32.48	0.018	21	0.41	35.992	22	33.1	32.78	21	33.1	K5	C7	2892	C -29 3321
7		8.3R	37 36.208	-0.0009	18	-26 37 57.02	0.021	18	0.34	36.223	16	33.1	57.37	16	33.1	A5 J	14	3860	E -26 3238
8		8.6R	37 38.344	-0.0001	18	-26 35 41.14	-0.025	18	0.34	38.345	16	33.1	40.71	16	33.1	GO M	14	3861	E -26 3242
9		8.8A	37 39.649	-0.0005	18	-20 38 19.33	0.023	13	0.31	39.657	16	33.1	19.71	16	33.1	K5 J	13A	2383	A -20 1484
10		8.8R	37 41.288	0.0003	18	-24 49 52.54	0.021	18	0.34	41.282	16	33.1	52.90	16	33.1	KO J	14	3862	E -24 4292
11		8.0R	37 46.880	-0.0023	18	-22 51 27.71	0.010	18	0.34	46.919	16	33.1	27.88	16	33.1	K5 J	14	3863	E -22 3333
12		9.0A	37 48.119	-0.0020	18	-21 33 1.64	-0.021	12	0.30	48.153	16	33.1	1.28	16	33.1	KO J	13A	2385	A -21 1543
13		9.0R	37 49.385	-0.0000	20	-28 37 49.65	0.000	20	0.37	49.386	16	33.1	49.66	16	33.1	A5 J	13B	3154	J -28 3255
14		9.5R	37 49.980	-0.0036	18	-26 8 38.64	-0.010	18	0.34	50.041	16	33.1	38.47	16	33.1	AO J	14	3866	E -26 3245
15		8.4T	37 50.906	-0.0020	18	-23 39 25.00	0.007	16	0.61	50.997	22	05.0	25.32	22	03.4	B8	GC	8714	C -23 4178
16		8.5R	37 53.539	-0.0002	18	-26 44 27.12	0.025	18	0.34	53.542	16	33.1	27.54	16	33.1	AO J	14	3868	E -26 3248
17		9.0R	37 53.865	-0.0000	20	-29 9 15.98	-0.014	20	0.37	53.866	16	33.1	15.75	16	33.1	F8 J	13B	3156	J -29 3328
18		8.7R	37 55.604	-0.0020	18	-23 35 51.27	0.013	18	0.34	55.638	16	33.1	51.48	16	33.1	K7 M	14	3867	E -23 4179
19		9.3R	38 2.310	0.0005	20	-23 29 53.12	-0.017	20	0.37	2.302	16	33.1	52.84	16	33.1	G5 M	14	3869	E -23 4184
20		8.7R	38 3.082	0.0003	21	-23 47 7.54	0.024	21	0.39	3.067	16	33.1	7.94	16	33.1	AO J	14	3870	E -23 4185
21		8.5R	38 3.114	-0.0020	20	-29 42 43.14	-0.002	20	0.37	3.148	16	33.1	43.11	16	33.1	F0 J	13B	3160	J -29 3331
22		8.5R	38 3.381	-0.0018	20	-27 44 33.56	-0.008	20	0.37	3.611	16	33.1	33.42	16	33.1	K5 J	13B	3158	J -27 3179
23		9.0R	38 4.095	0.0001	18	-24 38 14.98	0.001	18	0.34	4.094	16	33.1	15.00	16	33.1	KO M	14	3871	E -24 4300
24		9.0R	38 5.105	-0.0025	20	-27 21 3.81	0.007	20	0.37	5.147	16	33.1	3.92	16	33.1	B5 M	13B	3159	J -27 3180
25		8.7R	38 7.043	-0.0006	18	-25 34 42.74	-0.019	18	0.34	7.054	16	33.1	42.41	16	33.1	G5 J	14	3872	E -25 3467
26		9.0R	38 8.782	0.0015	12	-26 42 16.34	0.016	12	0.26	8.756	16	33.1	16.60	16	33.1	GO J	14	3875	E -26 3253
27		9.2R	38 9.988	0.0003	18	-25 26 40.54	-0.049	18	0.34	9.963	16	33.1	39.70	16	33.1	GO J	14	3874	E -25 3469
28		9.0R	38 11.349	0.0007	18	-22 43 23.10	0.027	18	0.34	11.338	16	33.1	23.56	16	33.1	K2 M	14	3873	E -22 3343
29		9.2R	38 12.368	0.0014	20	-28 38 37.62	0.007	20	0.37	12.345	16	33.1	37.75	16	33.1	F8 M	13B	3161	J -28 3261
30		8.4R	38 13.316	-0.0008	18	-24 49 57.22	0.023	18	0.34	13.329	16	33.1	57.61	16	33.1	GO J	14	3877	E -24 4305
31		8.7R	38 14.592	0.0019	18	-23 15 6.44	-0.001	18	0.34	14.560	16	33.1	6.43	16	33.1	KO J	14	3876	E -23 4190
32		9.4R	38 15.676	0.0028	18	-26 5 42.72	0.001	18	0.34	15.630	16	33.1	42.73	16	33.1	A5 J	14	3880	E -26 3255
33		9.6R	38 16.510	0.0003	20	-22 36 0.39	0.002	20	0.37	16.505	16	33.1	0.43	16	33.1	AO M	14	3878	E -22 3344
34		8.9R	38 16.931	-0.0028	22	-23 48 32.27	0.060	22	0.41	16.979	16	33.1	33.28	16	33.1	K2 M	14	3879	E -23 4192
35		7.4A	38 17.169	-0.0005	17	-21 20 33.47	-0.025	12	0.29	17.178	16	33.1	33.04	16	33.1	A3 J	13A	2389	A -21 1547
36		8.8A	38 17.280	-0.0018	18	-21 0 36.03	0.019	13	0.31	17.310	16	33.1	36.34	16	33.1	KO J	13A	2388	A -20 1490
37		9.1R	38 17.517	0.0006	20	-29 45 58.89	0.003	20	0.37	17.507	16	33.1	58.95	16	33.1	F8 M	13B	3164	J -29 3333
38		9.1R	38 19.819	-0.0007	20	-29 51 54.27	-0.008	20	0.37	19.831	16	33.1	54.14	16	33.1	F5 M	13B	3165	J -29 3335
39		9.1A	38 20.196	0.0003	15	-20 1 36.57	-0.007	12	0.28	20.191	16	33.1	36.46	16	33.1	K7 J	13A	2390	A -19 1521
40		8.4R	38 27.289	-0.0018	20	-26 15 49.19	-0.063	20	0.37	27.320	16	33.1	48.12	16	33.1	F5 J	14	3883	E -26 3260
41		9.7R	38 27.512	0.0014	18	-24 35 33.84	-0.124	18	0.34	27.488	16	33.1	31.75	16	33.1	K M	14	3882	E -24 4312
42		8.8R	38 27.688	0.0164	20	-29 10 46.67	-0.069	20	0.37	27.411	16	33.1	47.83	16	33.1	GO M	13B	3167	J -29 3265
43		9.2R	38 30.280	-0.0012	20	-29 54 20.10	-0.009	20	0.37	30.280	16	33.1	19.95	16	33.1	A5 M	13B	3170	J -29 3336
44		9.9R	38 34.094	-0.0012	20	-29 41 18.48	-0.076	20	0.37	34.114	16	33.1	19.77	16	33.1	KO J	13B	3172	J -29 3340
45		7.2T	38 36.012	0.0003	12	-28 13 1.44	-0.007	11	0.58	35.997	14	02.0	1.07	15	00.9	G5	GC	8735	C -28 3270
46		9.0R	38 41.009	-0.0042	17	-28 36 22.14	0.059	17	0.32	41.081	16	33.1	23.14	16	33.1	KO J	13B	3173	J -28 3273
47		8.5R	38 45.156	-0.0002	18	-24 49 36.99	-0.014	18	0.34	45.159	16	33.1	36.76	16	33.1	K5 J	14	3884	E -24 4316
48		8.0R	38 48.596	0.0006	20	-28 48 15.66	0.035	20	0.37	48.587	16	33.1	16.26	16	33.1	AO J	13B	3174	J -28 3278
49		9.0R	38 52.502	0.0022	18	-24 36 37.63	-0.071	18	0.34	52.465	16	33.1	38.83	16	33.1	G5 M	14	3885	E -24 4317
50		9.0R	38 52.515	-0.0025	18	-25 3 8.23	-0.006	18	0.34	52.557	16	33.1	8.12	16	33.1	F5 J	14	3886	E -24 4318
51		9.2A	6 38 54.227	-0.0011	18	-21 5 21.30	0.031	13	0.31	54.246	16	33.1	21.82	16	33.1	AO J	13A	2391	A -20 1550
52		9.3A	38 56.169	-0.0010	20	-21 17 8.85	-0.006	15	0.33	56.186	16	33.1	8.75	16	33.1	MO J	13A	2393	A -21 1551
53		9.6R	38 58.238	-0.0058	20	-22 52 59.18	-0.103	20	0.37	58.336	16	33.1	57.45	16	33.1	A2 M	14	3887	E -22 3362
54		8.4R	39 0.909	-0.0015	18	-25 52 7.94	0.018	18	0.34	0.935	16	33.1	8.24	16	33.1	A2 J	14	3890	E -25 3479
55		9.1R	39 1.728	-0.0034	18	-24 45 51.50	0.002	18	0.34	1.768	16	33.1	51.54	16	33.1	A2 J	14	3888	E -24 4321
56		9.0R	39 2.736	-0.0004	18	-24 29 48.62	-0.022	18	0.34	2.743	16	33.1	48.24	16	33.1	K5 J	14	3889	E -24 4320
57		9.6R	39 4.844	-0.0026	18	-24 34 51.32	-0.029	18	0.34	4.888	16	33.1	50.83	16	33.1	F0 M	14	3891	E -24 4324
58		9.6R	39 5.635	0.0004	18	-25 32 12.88	-0.020	18	0.34	5.628	16	33.1	12.54	16	33.1	K5 M	14	3892	E -25 3481
59		9.0R	39 6.420	-0.0035	12	-26 6 1.01	-0.011	12	0.26	6.479	16	33.1	0.82	16	33.1	AO J	14	3893	E -26 3276
60		8.8R	39 10.606	-0.0000	20	-29 0 50.64	-0.011	20	0.37	10.607	16	33.1	50.46	16	33.1	A3 J	13B	3177	J -28 3285
61		9.0R	39 12.929	-0.0001	15	-25 11 49.27	0.002	15	0.30	12.931	16	33.1	49.30	16	33.1	KO J	14	3895	E -25 3487
62		9.0A	39 13.366	0.0006	18	-21 8 59.39	0.017	13	0.31	13.357	16	33.1	59.67	16	33.1	G5 J	13A	2395	A -21 1553
63		8.5R	39 13.723	-0.0010	18	-22 9 53.59	-0.019	18	0.34	13.739	16	33.1	53.27	16	33.1	KO J	14	3894	E -22 3370
64		8.7A	39 15.297	0.0000	18	-20 47 56.51	-0.008	13	0.31	15.297	16	33.1	56.37	16	33.1	F0 J	13A	2396	A -20 1494
65		8.8A	39 19.731	-0.0013	18	-21 41 42.44	0.012	13	0.31	19.752	16	33.1	42.64	16	33.1	K7 J	13A	2399	A -21 1554
66		7.5A	39 20.998	-0.0007	20	-22 3 18.52	0.001	15	0.33	21.009	16	33.1	18.53	16	33.1	KO J	13A	2400	A -21 1556
67		6.8T	39 21.210	0.0036	13	-20 16 7.16	-0.057	12	0.59	21.053	17	D6.7	4.60	15	04.9	G5	GC	8748	-20 1495
68		9.1R	39 21.475	-0.0009	15	-26 57 14.28	-0.000	15	0.30	21.490	16	33.1	14.27	16	33.1	G5 J	14	3898	E -26 3282
69		8.2R	39 23.555	-0.0001	18	-24 20 3.63	-0.005	18	0.34	23.557	16	33.1	3.54	16	33.1	B9 J	14	3897	E -24 4326
70		8.0R	39 26.480	-0.0004	20	-27 32 17.92	0.036	20	0.37	26.486	16	33.1	18.52	16	33.1	AO J	13B	3181	J -27 3203
71		8.7R	39 30.570	-0.0006	20	-27 27 57.28	-0.005	20	0.37	30.580	16	33.1	57.19	16	33.1	G5 M	13B	3182	J -27 3206
72		8.6A	39 31.273	0.0014	18	-20 31 37.60	0.011	12	0.30	31.250	16	33.1	37.78	16	33.1	A2 J	13A	2401	A -20 1496
73		9.3R	39 37.351	-0.0018	20	-29 0 41.38	0.007	20	0.37	37.382	16	33.1	41.51	16	33.1	G5 M	13B	3184	J -29 3295
74		8.6R	39 38.200	-0.0004	20	-27 49 51.17	-0.012	20	0.37	38.208	16	33.1	50.96	16	33.1	F0 J	13B	3183	J -27 3208
75		8.4R	39 40.045	-0.0005	17	-28 14 28.91	0.047	17	0.32	40.054	16	33.1	27.70	16	33.1	G5 J	13B	3185	J -28 3297
76		8.6R	39 44.818	-0.0004	18	-27 41 33.04	0.006	18	0.34	44.824	16	33.1	33.13	16	33.1	KO J	13B	3188	J -27 3210
77		7.2T	39 46.018	-0.0021	11	-27 35 4.46	0.011	08	0.53	46.123	17	99.3	5.05	17	95.5	KO	GC	8764	C -27 3211
78		7.0T	39 47.661	-0.0017	13	-20 11 59.60	-0.081	13	0.72	47.734	24	00.5	56.46	21	98.4	KO	GC	8765	-20 1498
79		8.9A	39 50.955	-0.0012	20	-20 30 36.01	-0.010	15	0.33	50.975	16	33.1	55.83	16	33.1	K5 J	13A	2406	A -20 1499
80		9.1R	39 51.985	-0.0007	13	-29 4 53.53	-0.012	13	0.28	51.996	16	33.1	53.34	16	33.1	F8 J	13B	3192	J -29 3363
81		8.9R	39 52.647	-0.0015	13	-22 26 7.09	0.026	13	0.28	52.673	16	33.1	7.53	16	33.1	AO J	14	3899	E -22 3382
82		9.1R	39 58.500	0.0016	20	-22 58 14.68	0.036	20	0.37	58.474	16	33.1	15.29	16	33.1	K M	14	3900	E -22 3386
83		8.6R	40 2.517	-0.0018	18	-22 23 37.36	0.020	18	0.34	2.548	16	33.1	37.70	16	33.1	B5 J	14	3901	E -22 3387
84		8.5R	40 2.686	0.0010	18	-24 11 28.41	0.037	18	0.34	2.671	16	33.1	29.03	16	33.1	F5 J	14	3903	E -24 4340
85		9.6R	40 2.758	0.0012	20	-23 10 26.99	0.023	20	0.37	2.739	16	33.1	27.39	16	33.1	AO M	14	3902	E -23 4234
86		9.1A	40 3.746	-0.0005	18	-21 3 43.82	0.090	13	0.31	3.755	16	33.1	45.34	16	33.1	AO J	13A	2409	A -20 1502
87		9.3R	40 9.125	-0.0023	18	-22 27 9.27	-0.018	18	0.34	9.164	16	33.1	8.96	16	33.1	K5 J	14	3904	E -22 3388
88		9.0A	40 10.180	0.0005	20	-20 2 18.48	0.013	15	0.33	10.171	16	33.1	18.70	16	33.1	AO J	13A	2414	A -19 1531
89		9.1R	40 14.685	-0.0006	20	-29 24 33.02	0.016	20	0.37	14.695	16	33.1	33.30	16	33.1	M M	13B	3196	J -29 3371
90		8.8R	40 16.515	-0.0015	17	-29 31 4.17	0.001	17	0.32	16.540	16	33.1	4.20	16	33.1	K2 J	13B	3197	J -29 3372
91		9.1R	40 16.560	0.0010	18	-22 18 38.15	0.032	18	0.34	16.542	16	33.1	38.69	16	33.1	B8 J	14	3906	E -22 3397
92		9.3R	40 17.363	-0.0015	18	-25 56 0.39	-0.017	18	0.34	17.389	16	33.1	0.10	16	33.1	F0 J	14	3909	E -25 3511
93		8.5R	40 19.255	-0.0001	18	-24 11 3.38	-0.015	18	0.34	19.252	16	33.1	3.12	16	33.1	KO J	14	3908	E -24 4344
94		9.3R	40 19.383	-0.0002	12	-26 54 39.86	-0.001	12	0.26	19.386	16	33.1	39.84	16	33.1	G5 J	14	3911	E -26 3303
95		9.1R	40 19.519	-0.0010	18	-23 55 27.27	0.032	18	0.34	19.535	16	33.1	27.81	16	33.1	AO J	14	3907	E -23 4238
96		6.9T	40 21.949	-0.0023	12	-23 10 57.01	0.010	11	0.65	22.067	15	98.5	57.57	18	95.2	B5	GC	8773K	C+-23 4239
97		9.0A	40 22.311	-0.0015	18	-21 8 50.20	0.039	13	0.31	22.337	16	33.1	50.86	16	33.1	K7 J	13A	2416	A -21 1560
98		9.1A	40 23.046	-0.0005	15	-20 31 37.17	0.007	11	0.27	23.055	16	33.1	37.28	16	33.1	F0 J	13A	2417	A -20 1506
99		8.2R	40 24.023	-0.0015	18	-25 36 10.73	-0.029	18	0.34	24.049	16	33.1	10.23	16	33.1	AO J	14	3913	E -25 3514
00		8.7R	40 25.991	-0.0025	18	-23 18 1.88	-0.011	18	0.34	26.034	16	33.1	1.70	16	33.1	KO J	14	3912	E -23 4241

172200 — EPOCH 1950 — ORIGINAL EPOCH — SOURCE — −20° 6H

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.		CAT.	STAR NUMBER	DM NUMBER
1		9.2R	6 40 28.177	-0.0007	18	-25 46 56.84	-0.046	18	0.34	28.189	16	33.1	57.61	16	33.1	G0	J	14	3914	E -25 3516
2		9.0R	40 32.359	-0.0003	18	-26 36 48.58	-0.006	18	0.34	32.355	16	33.1	48.48	16	33.1	K0	J	14	3916	E -26 3508
3		8.2R	40 32.436	-0.0008	18	-24 25 34.04	-0.024	18	0.34	32.449	16	33.1	33.63	16	33.1	K0	J	14	3915	E -24 4346
4		6.2T	40 39.482	-0.0065	17	-22 23 59.62	-0.076	15	0.81	39.803	18	00.9	3.46	18	99.3	F0		GC	8779K	B+-22 1505
5		9.0T	40 40.312	-0.0058	18	-22 24 13.71	0.089	18	0.90	40.593	18	01.9	18.02	19	01.5			GC	8780K	-22 1505
6		9.1R	40 44.479	-0.0015	18	-25 0 1.68	0.002	18	0.34	44.505	16	33.1	1.71	16	33.1	K0	M	14	3920	E -24 4348
7		8.6R	40 47.834	0.0007	18	-25 35 17.24	-0.006	18	0.34	47.822	16	33.1	17.13	16	33.1	F0	J	14	3922	E -25 3520
8		9.0R	40 49.898	-0.0011	18	-23 47 44.17	0.026	18	0.34	49.916	16	33.1	44.60	16	33.1	F0	M	14	3921	E -23 4253
9		8.9R	40 51.742	0.0003	18	-26 4 47.63	-0.009	18	0.34	51.737	16	33.1	47.47	16	33.1	K0	J	14	3923	E -26 3513
10		8.4A	40 53.064	-0.0001	20	-20 6 10.55	-0.054	15	0.33	53.066	16	33.1	9.64	16	33.1	M1	J	13A	2422	A -20 1508
11		9.2R	40 53.086	0.0025	20	-29 33 39.87	-0.025	20	0.37	53.044	16	33.1	39.45	16	33.1	G5	M	13B	3206	J -29 3379
12		8.9R	40 55.112	0.0001	17	-28 48 44.29	0.023	17	0.32	55.110	16	33.1	44.69	16	33.1	A0	J	13B	3207	J -28 3324
13		9.4R	40 55.469	-0.0008	18	-23 20 55.32	0.023	18	0.34	55.483	16	33.1	55.72	16	33.1	F8	J	14	3924	E -23 4257
14		9.1R	40 57.695	-0.0027	20	-28 27 19.09	0.011	20	0.37	57.741	16	33.1	19.27	16	33.1	A0	J	13B	3209	J -28 3326
15		9.3R	40 59.202	-0.0022	20	-29 38 17.98	-0.019	20	0.37	59.239	16	33.1	17.67	16	33.1	A2	J	13B	3212	J -29 3381
16		8.3A	41 0.096	-0.0006	15	-20 23 42.54	-0.045	12	0.28	0.107	16	33.1	41.78	16	33.1	G0	J	13A	2425	A -20 1509
17		9.1R	41 0.974	-0.0000	17	-29 0 15.87	-0.001	17	0.32	0.975	16	33.1	15.86	16	33.1	F5	M	13B	3215	J -29 3329
18		8.7R	41 1.768	0.0004	20	-28 8 20.87	0.020	20	0.37	1.762	16	33.1	21.20	16	33.1	G5	J	13B	3214	J -28 3328
19		9.5R	41 3.481	0.0036	18	-24 52 5.78	0.002	18	0.34	3.420	16	33.1	5.82	16	33.1	A2	J	14	3927	E -24 4354
20		9.5R	41 6.381	0.0027	20	-22 42 46.48	0.004	20	0.37	6.335	16	33.1	46.56	16	33.1	A0	M	14	3926	E -22 3410
21		7.2A	41 6.958	0.0000	18	-21 48 41.51	0.009	13	0.31	6.957	16	33.1	41.66	16	33.1	B8	J	13A	2428	A -21 1565
22		8.4R	41 7.578	-0.0002	15	-24 23 16.63	0.005	12	0.28	7.581	16	33.1	16.71	16	33.1	M1	M	14	3928	E -24 4356
23		8.9R	41 7.581	-0.0014	18	-25 48 43.20	0.006	18	0.34	7.604	16	33.1	43.29	16	33.1	G0	J	14	3929	E -25 3528
24		7.1T	41 9.019	-0.0008	12	-29 11 10.83	0.006	11	0.65	9.059	18	96.8	11.19	19	94.3	A0		GC	8792	C -29 3388
25		8.0R	41 9.866	0.0012	18	-26 4 34.38	0.020	18	0.34	9.846	16	33.1	34.71	16	33.1	M1	M	14	3930	E -26 3319
26		7.0T	41 11.584	0.0003	14	-28 18 4.69	0.006	12	0.70	11.568	18	99.4	5.00	17	95.8	A0		GC	8794	C -28 3331
27		8.0A	41 11.958	0.0014	18	-21 40 53.49	-0.002	13	0.31	11.934	16	33.1	53.46	16	33.1	K0	J	13A	2429	A -21 1566
28		8.9R	41 13.571	-0.0013	20	-29 4 10.37	0.044	20	0.37	13.593	16	33.1	11.11	16	33.1	F8	J	13B	3223	J -29 3390
29		9.5R	41 14.876	-0.0037	18	-25 12 32.36	-0.007	18	0.34	14.939	16	33.1	32.24	16	33.1	K0	M	14	3931	E -25 3531
30		8.1R	41 18.638	-0.0027	15	-26 25 10.17	-0.025	12	0.28	18.684	16	33.1	9.74	16	33.1	F5	J	14	3933	E -26 3325
31		9.5R	41 25.769	0.0034	18	-25 57 56.65	-0.002	18	0.34	25.711	16	33.1	56.61	16	33.1	G5	M	14	3935	E -25 3538
32		9.0R	41 27.130	-0.0011	20	-28 59 5.54	0.015	20	0.37	27.149	16	33.1	5.80	16	33.1	K5	J	13B	3228	J -28 3339
33		9.2R	41 27.757	-0.0004	20	-22 45 41.03	-0.035	20	0.37	27.764	16	33.1	40.45	16	33.1	G	M	14	3934	E -22 3417
34		8.3R	41 30.378	-0.0006	18	-26 6 18.13	0.019	18	0.34	30.389	16	33.1	18.44	16	33.1	F5	J	14	3936	E -26 3328
35		8.1R	41 34.287	0.0031	20	-29 35 2.78	0.024	20	0.37	34.234	16	33.1	3.19	16	33.1	F0	J	13B	3229	J -29 3398
36		9.4R	41 43.251	-0.0006	18	-24 57 50.42	0.007	18	0.34	43.262	16	33.1	50.54	16	33.1	G0	J	14	3938	E -24 4367
37		8.5R	41 48.763	0.0016	18	-25 43 12.91	-0.002	18	0.34	48.737	16	33.1	12.87	16	33.1	F2	J	14	3939	E -25 3545
38		6.8T	41 51.322	-0.0028	10	-25 29 0.28	-0.003	09	0.40	51.441	09	08.4	0.14	09	09.0	G5		GC	8808	C -25 3546
39		9.5R	41 52.224	0.0008	18	-26 25 8.42	-0.011	18	0.34	52.211	16	33.1	8.23	16	33.1	G0	J	14	3941	E -26 3335
40		7.4T	41 54.205	0.0005	13	-27 32 21.88	0.035	12	0.69	54.178	15	99.0	23.76	18	95.8	A0		GC	8810	C -27 3238
41		9.0R	42 1.874	0.0014	18	-23 22 5.97	0.011	18	0.34	1.851	16	33.1	6.16	16	33.1	K0	M	14	3942	E -23 4293
42		9.6R	42 3.914	-0.0005	15	-22 28 49.05	0.023	15	0.30	3.921	16	33.1	49.44	16	33.1	A2	M	14	3943	E -22 3426
43		8.3R	42 6.761	0.0008	18	-22 31 17.21	0.008	18	0.34	6.748	16	33.1	17.35	16	33.1	K2	J	14	3946	E -22 3428
44		9.0R	42 8.302	-0.0003	18	-23 19 12.81	-0.002	18	0.34	8.307	16	33.1	12.78	16	33.1	G0	J	14	3948	E -23 4298
45		8.3R	42 8.756	-0.0016	18	-22 24 46.56	-0.003	18	0.34	8.783	16	33.1	46.51	16	33.1	M0	J	14	3947	E -22 3429
46		9.4R	42 9.263	0.0008	20	-22 53 9.35	0.020	20	0.37	9.250	16	33.1	9.69	16	33.1	A5	M	14	3949	E -22 3430
47		9.4R	42 10.316	0.0003	18	-26 37 23.54	-0.017	18	0.34	10.310	16	33.1	23.25	16	33.1	G5	J	14	3951	E -26 3343
48		8.2R	42 14.656	-0.0018	18	-22 22 39.71	0.004	18	0.34	14.687	16	33.1	39.77	16	33.1	K0	J	14	3950	E -22 3433
49		8.7R	42 17.278	-0.0001	18	-23 9 17.27	-0.008	18	0.34	17.281	16	33.1	17.14	16	33.1	K0	J	14	3952	E -23 4304
50		9.7R	42 19.794	-0.0011	18	-24 12 30.53	-0.014	18	0.34	19.812	16	33.1	30.29	16	33.1	F5	M	14	3961	E -24 4386
51		9.0A	6 42 20.657	0.0004	18	-21 14 9.47	0.009	13	0.31	20.650	16	33.1	9.61	16	33.1	K0	J	13A	2437	A -21 1572
52		9.1R	42 21.640	-0.0001	15	-22 43 34.91	0.014	15	0.30	21.643	16	33.1	35.16	16	33.1	F2	J	14	3953	E -22 3438
53		8.7A	42 26.942	-0.0003	20	-21 13 22.94	-0.003	15	0.33	26.947	16	33.1	22.88	16	33.1	A2	J	13A	2438	A -21 1574
54		8.7A	42 30.126	-0.0006	18	-20 21 35.82	0.022	13	0.31	30.135	16	33.1	36.19	16	33.1	A2	J	13A	2440	A -20 1520
55		9.0R	42 32.101	-0.0027	21	-24 1 58.00	0.010	21	0.39	32.146	16	33.1	58.16	16	33.1	F2	M	14	3954	E -23 4311
56		8.6A	42 33.726	-0.0007	15	-20 23 52.89	0.022	11	0.27	33.738	16	33.1	53.27	16	33.1	K5	J	13A	2442	A -20 1522
57		9.2R	42 35.622	-0.0016	20	-22 30 47.74	0.026	20	0.37	35.649	16	33.1	48.19	16	33.1	F	M	14	3955	E -22 3443
58		9.3R	42 43.365	-0.0033	22	-24 1 53.47	0.027	22	0.41	43.420	16	33.1	53.92	16	33.1	K	M	14	3958	E -23 4314
59		8.2R	42 47.788	-0.0004	18	-23 48 32.20	0.003	18	0.34	47.795	16	33.1	32.24	16	33.1	K0	J	14	3960K	E -23 4317
60		9.0R	42 48.440	-0.0032	17	-29 1 13.34	0.010	17	0.32	48.494	16	33.1	13.52	16	33.1	A2	J	13B	3240	J -28 3368
61		9.0R	42 49.973	-0.0016	20	-27 25 34.60	0.023	20	0.37	50.001	16	33.1	34.98	16	33.1	K2	M	13B	3239	J -27 3246
62		8.0R	42 50.036	-0.0016	20	-28 50 35.59	0.066	20	0.37	50.063	16	33.1	36.70	16	33.1	F0	J	13B	3243	J -28 3369
63		9.1R	42 50.713	0.0003	20	-28 20 29.37	0.013	20	0.37	50.708	16	33.1	29.58	16	33.1	G5	J	13B	3242	J -28 3367
64		6.4T	42 52.069	-0.0013	12	-27 17 33.36	0.306	11	0.64	52.137	15	97.5	50.18	18	95.0	F8		GC	8831	C -27 3248
65		9.3R	42 54.640	0.0002	18	-24 59 5.61	-0.021	18	0.34	54.637	16	33.1	5.26	16	33.1	G5	M	14	3963	E -24 4387
66		9.0A	42 59.720	0.0017	20	-20 25 17.76	-0.004	15	0.33	59.691	16	33.1	17.70	16	33.1	A2	J	13A	2447	A -20 1526
67		8.9R	43 3.826	0.0019	18	-25 46 59.76	0.002	00	0.27	3.794	16	33.1	59.79	16	33.1	A0	J	14	3964	E -25 3572
68		8.1R	43 7.273	-0.0002	18	-24 10 36.89	0.014	18	0.34	7.276	16	33.1	37.12	16	33.1	K5	M	14	3965	E -24 4392
69		8.7R	43 8.146	0.0009	18	-24 33 55.28	-0.002	18	0.34	8.132	16	33.1	55.25	16	33.1	K2	J	14	3966	E -24 4393
70		8.6R	43 12.340	-0.0018	18	-25 35 13.09	-0.028	18	0.34	12.371	16	33.1	12.61	16	33.1	B8	J	14	3968	E -25 3574
71		9.1A	43 15.687	0.0014	18	-20 22 28.75	0.012	15	0.32	15.663	16	33.1	28.96	16	33.1	A0	J	13A	2450	A -20 1533
72		9.1A	43 16.469	0.0007	20	-20 54 54.34	0.002	15	0.33	16.458	16	33.1	54.36	16	33.1	A0	J	13A	2451	A -20 1534
73		6.2T	43 18.093	-0.0031	16	-23 24 32.29	0.040	13	0.76	18.245	18	00.8	34.38	18	98.2	K0		GC	8843	C -23 4325
74		8.6A	43 19.179	-0.0015	20	-20 47 9.34	0.015	15	0.33	19.204	16	33.1	9.59	16	33.1	A0	J	13A	2452	A -20 1535
75		9.4R	43 20.366	0.0010	15	-23 17 55.98	-0.002	15	0.30	20.349	16	33.1	55.95	16	33.1	A2	M	14	3970	E -23 4326
76		8.7R	43 23.000	-0.0000	15	-26 6 8.03	-0.008	15	0.30	23.001	16	33.1	7.89	16	33.1	G5	J	14	3972	E -26 3369
77		8.6R	43 25.000	-0.0013	18	-23 31 35.93	0.023	18	0.34	25.022	16	33.1	36.31	16	33.1	K0	J	14	3971	E -23 4328
78		8.8R	43 26.331	0.0027	20	-28 23 2.32	0.045	20	0.37	26.286	16	33.1	3.07	16	33.1	K0	J	13B	3249	J -28 3378
79		8.7A	43 26.560	0.0025	20	-20 37 37.34	0.010	15	0.33	26.518	16	33.1	37.51	16	33.1	A	J	13A	2454	A -20 1543
80		9.0A	43 26.765	0.0010	20	-20 9 45.70	0.001	15	0.33	26.748	16	33.1	45.72	16	33.1	A0	J	13A	2453	A -20 1538
81		9.0R	43 28.447	-0.0000	18	-24 50 32.05	0.026	18	0.34	28.447	16	33.1	32.49	16	33.1	F8	J	14	3973	E -24 4406
82		8.7A	43 28.453	-0.0003	18	-20 45 43.99	0.024	13	0.31	28.457	16	33.1	44.39	16	33.1	A	J	13A	2455	A -20 1545
83		9.2R	43 32.154	-0.0004	20	-27 8 48.57	-0.030	20	0.37	32.160	16	33.1	48.06	16	33.1	F0	J	13B	3250	J -27 3256
84		8.5R	43 33.339	-0.0007	18	-24 7 47.19	0.049	18	0.34	33.350	16	33.1	48.01	16	33.1	A0	J	14	3974	E -24 4409
85		9.0A	43 33.601	-0.0018	17	-20 38 20.83	0.007	12	0.29	33.632	16	33.1	20.95	16	33.1	A0	J	13A	2456	A -20 1548
86		7.5T	43 34.225	-0.0009	20	-20 47 56.44	-0.016	18	0.79	34.259	24	10.9	55.77	22	08.9	K2		GC	8848	-20 1549
87		9.2R	43 37.317	-0.0010	20	-26 16 26.68	0.043	20	0.37	37.334	16	33.1	27.40	16	33.1	F5	J	14	3977	E -26 3371
88		8.6R	43 40.853	-0.0031	20	-22 38 47.46	-0.027	20	0.37	40.906	16	33.1	47.01	16	33.1	K0	M	14	3976	E -22 3465
89		9.1R	43 46.673	-0.0010	18	-23 24 33.49	0.015	18	0.34	46.691	16	33.1	33.75	16	33.1	K0	J	14	3978	E -23 4334
90		7.7Q	43 48.453	-0.0029	08	-20 43 15.53	-0.008	07	0.42	48.596	15	00.0	15.08	15	95.9	K2		GC	8855	-20 1555
91		9.4R	43 53.805	-0.0006	18	-23 12 44.73	-0.003	18	0.34	53.815	16	33.1	44.69	16	33.1	A2	J	14	3980	E -23 4340
92		9.5R	43 54.752	0.0017	20	-22 59 54.65	0.000	20	0.37	54.724	16	33.1	54.66	16	33.1	A	J	14	3981	E -22 3470
93		9.3R	43 55.510	-0.0055	20	-29 16 55.82	-0.038	20	0.37	55.603	16	33.1	55.19	16	33.1	A3	M	13B	3259	J -29 3443
94		8.3Q	43 55.680	-0.0014	12	-20 33 10.02	-0.018	08	0.49	55.738	18	07.6	9.14	18	02.5	K0		GC	8859	-20 1557
95		9.4R	43 57.550	-0.0023	18	-25 8 11.72	-0.002	18	0.34	57.589	16	33.1	11.68	16	33.1	F0	J	14	3982	E -25 3593
96		7.8Q	43 58.196	-0.0029	09	-20 42 0.16	-0.012	08	0.43	58.327	17	04.4	59.59	17	04.1	A0		GC	8861K	-20 1560
97		7.5R	44 0.193	-0.0012	20	-28 45 27.50	0.007	20	0.37	0.213	16	33.1	27.63	16	33.1	B5	J	13B	3260	J -28 3397
98		8.8R	44 0.434	-0.0002	12	-26 39 58.72	0.037	12	0.26	0.437	16	33.1	59.34	16	33.1	K0	J	14	3983	E -26 3379
99		9.0R	44 6.901	-0.0058	15	-27 15 27.07	0.005	12	0.28	6.998	16	33.1	27.15	16	33.1	B9	J	13B	3263	J -27 3262
00		8.9R	44 8.469	0.0028	20	-29 12 35.06	0.012	20	0.37	8.422	16	33.1	35.28	16	33.1	G5	J	13B	3264	J -29 3450

172300 — EPOCH 1950 — ORIGINAL EPOCH — -20° 6H

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.		SOURCE CAT.	SOURCE STAR NUMBER	DM NUMBER
1		8.2R	6 44 8.775	-0.0004	18	-25 17 38.88	-0.005	18	0.34	8.782	16	33.1	38.79	16	33.1	FO	J	14	3985	E -25 3600
2		8.3R	44 13.863	-0.0008	18	-22 24 27.84	0.028	18	0.34	13.876	16	33.1	28.31	16	33.1	MO	J	14	3986	E -22 3480
3		7.9R	44 19.280	-0.0010	17	-28 8 23.03	0.010	17	0.32	19.297	16	33.1	23.19	16	33.1	MO	M	138	3265	J -28 3403
4		6.9T	44 19.715	-0.0009	13	-29 30 23.47	-0.008	12	0.65	19.761	15	01.0	23.09	18	99.9	G5		GC	8874	C+-29 3452
5		8.7R	44 20.022	-0.0004	15	-23 5 40.37	0.008	15	0.30	20.029	16	33.1	40.51	16	33.1	B5	J	14	3988	E -23 4352
6		8.4A	44 24.400	-0.0008	18	-20 45 24.55	0.016	13	0.31	24.414	16	33.1	24.01	16	33.1	K2	J	13A	2472	A -20 1568
7		8.9R	44 24.517	-0.0023	18	-25 56 38.19	0.040	18	0.34	24.555	16	33.1	38.86	16	33.1	A5	J	14	3989	E -25 3605
8		9.0A	44 26.032	0.0000	17	-20 31 26.47	0.009	13	0.30	26.032	16	33.1	26.62	16	33.1	A0	J	13A	2473	A -20 1569
9		9.4R	44 27.259	-0.0039	18	-25 30 24.66	-0.045	18	0.34	27.325	16	33.1	23.90	16	33.1	A3	J	14	3991	E -25 3606
10		8.5R	44 33.336	0.0004	18	-24 5 19.50	0.013	18	0.34	33.328	16	33.1	19.71	16	33.1	B9	J	14	3993	E -24 4422
11		9.5R	44 34.924	0.0065	15	-22 8 7.70	-0.074	15	0.30	34.814	16	33.1	6.45	16	33.1	G5	M	14	3992	E -22 3483
12		8.6R	44 38.109	-0.0010	18	-24 41 13.45	-0.014	18	0.34	38.126	16	33.1	13.22	16	33.1	G5	J	14	3995	E -24 4423
13		9.6R	44 41.348	-0.0028	20	-22 9 27.23	0.016	20	0.37	41.394	16	33.1	27.50	16	33.1	F5	J	14	3994	E -22 3489
14		8.8R	44 45.572	-0.0065	15	-23 6 57.33	-0.096	15	0.30	45.682	16	33.1	57.22	16	33.1	G5	J	14	3996	E -23 3615
15		8.4R	44 47.862	0.0008	17	-28 58 17.52	0.130	17	0.32	47.849	16	33.1	19.72	16	33.1	A2	J	138	3271	J -28 3415
16		9.4R	44 50.373	-0.0007	12	-22 42 26.90	0.007	12	0.26	50.385	16	33.1	27.03	16	33.1	A0	M	14	3997	E -22 3491
17		8.9R	44 50.524	0.0005	20	-28 5 2.45	0.048	20	0.37	50.515	16	33.1	3.25	16	33.1	K0	J	138	3272	J -28 3414
18		6.0T	44 52.925	-0.0014	05	-20 57 36.18	0.003	04	0.20	52.981	07	08.8	36.29	07	08.2	B8		GC	8884	B+-20 1576
19		8.3R	44 56.402	-0.0020	18	-22 37 29.06	0.040	18	0.34	56.436	16	33.1	29.74	16	33.1	B9	J	14	3998	E -22 3495
20		8.0Q	44 57.210	-0.0013	11	-21 2 46.38	-0.005	09	0.48	57.266	18	05.6	46.12	18	01.8	K0		GC	8886	-20 1577
21		9.1R	44 57.269	-0.0014	17	-29 8 18.26	0.055	17	0.32	57.293	16	33.1	19.20	16	33.1	G0	J	138	3274	J -29 3464
22		8.5R	44 58.407	0.0003	12	-29 33 7.65	0.009	12	0.26	58.402	16	33.1	7.81	16	33.1	A0	J	138	3275	J -29 3465
23		8.7R	45 2.141	0.0005	15	-25 58 48.63	-0.033	15	0.30	2.133	16	33.1	48.07	16	33.1	G5	J	14	3999	E -25 3622
24		9.0R	45 2.431	-0.0016	20	-28 20 51.03	0.017	20	0.37	2.458	16	33.1	51.31	16	33.1	K2	J	138	3276	J -28 3422
25		8.5R	45 9.473	0.0015	20	-22 59 51.48	-0.010	20	0.37	9.448	16	33.1	51.32	16	33.1	K5	J	14	4000	E -22 3499
26		8.9R	45 12.011	-0.0014	20	-27 17 36.55	0.012	20	0.37	12.035	16	33.1	36.75	16	33.1	F0	J	138	3278	J -27 3271
27		9.2R	45 12.049	-0.0017	18	-22 24 57.37	0.004	18	0.34	12.077	16	33.1	57.44	16	33.1	A0	J	14	4001	E -22 3500
28		8.8A	45 12.646	-0.0001	18	-20 14 41.07	0.037	13	0.31	12.647	16	33.1	41.70	16	33.1	K0	J	13A	2483	A -20 1579
29		9.5R	45 17.834	0.0026	18	-24 53 26.22	-0.012	18	0.34	17.790	16	33.1	26.02	16	33.1	K0	M	14	4002	E -24 4432
30		9.0R	45 20.167	0.0018	17	-28 39 48.83	0.060	17	0.32	20.137	16	33.1	49.85	16	33.1	K5	J	138	3280	J -28 3428
31		8.4R	45 24.401	-0.0011	18	-25 40 9.58	-0.006	18	0.34	24.419	16	33.1	9.47	16	33.1	G5	J	14	4003	E -25 3628
32		7.9T	45 29.140	-0.0020	11	-28 30 9.54	0.007	10	0.57	29.242	15	97.9	9.96	18	94.7	B3		GC	8897	C -28 3431
33		8.3R	45 29.484	0.0000	18	-25 37 42.76	0.013	18	0.34	29.484	16	33.1	42.97	16	33.1	A0	J	14	4004	E -25 3631
34		8.1R	45 30.215	0.0019	20	-28 31 3.08	0.027	20	0.37	30.183	16	33.1	3.53	16	33.1			138	3285	J -28 3432
35		8.4R	45 31.168	-0.0002	18	-24 1 0.47	0.028	18	0.34	31.171	16	33.1	0.94	16	33.1	K2	J	14	4007	E -23 4376
36		8.7R	45 31.735	-0.0015	17	-29 18 57.98	0.022	17	0.32	31.710	16	33.1	58.36	16	33.1	A2	J	138	3287	J -29 3478
37		8.7R	45 34.036	-0.0011	18	-25 6 17.31	-0.019	18	0.34	34.054	16	33.1	16.98	16	33.1	A2	J	14	4012	E -25 3632
38		8.4R	45 35.131	-0.0004	20	-28 9 34.94	-0.026	20	0.37	35.158	16	33.1	35.37	16	33.1	K0	J	138	3288	J -28 3433
39		8.2R	45 35.906	-0.0018	15	-24 55 13.60	-0.015	15	0.30	35.876	16	33.1	13.35	16	33.1	B8	J	14	4013	E -24 4437
40		8.8R	45 38.137	-0.0009	18	-25 2 8.84	0.004	18	0.34	38.153	16	33.1	8.90	16	33.1	K2	M	14	4016	E -24 4438
41		8.1R	45 40.011	-0.0012	18	-22 6 46.77	0.018	18	0.34	40.031	16	33.1	47.07	16	33.1	B9	J	14	4014	E -22 3514
42		9.0R	45 41.631	-0.0021	18	-24 15 17.87	0.003	18	0.34	41.666	16	33.1	17.91	16	33.1	G0	J	14	4017	E -24 4441
43		8.9R	45 43.612	-0.0021	15	-24 41 1.43	0.014	15	0.30	43.647	16	33.1	1.67	16	33.1	K0	J	14	4018	E -24 4442
44		8.7R	45 52.652	-0.0021	20	-27 32 17.26	-0.015	20	0.37	52.687	16	33.1	17.00	16	33.1	K0	J	138	3291	J -27 3284
45		9.3R	45 56.823	0.0003	18	-23 25 31.28	0.029	18	0.34	56.819	16	33.1	31.78	16	33.1	K0	M	14	4019	E -23 4390
46		8.3R	45 57.495	-0.0016	18	-26 28 42.36	-0.007	18	0.34	57.522	16	33.1	42.23	16	33.1	B8	J	14	4020K	E -26 3411
47		8.7R	46 7.967	0.0020	20	-28 23 46.21	0.025	20	0.37	7.933	16	33.1	46.62	16	33.1	K0	J	138	3292	J -28 3441
48		7.7A	46 9.083	0.0016	18	-21 50 58.24	0.029	13	0.31	9.056	16	33.1	58.73	16	33.1	K5	J	13A	2490	A -21 1598
49		9.0R	46 13.716	0.0024	18	-24 30 25.65	0.024	18	0.34	13.676	16	33.1	26.06	16	33.1	A2	J	14	4021	E -24 4453
50		9.1R	46 14.900	-0.0001	15	-27 0 47.68	-0.014	15	0.30	14.901	16	33.1	47.44	16	33.1	A3	J	14	4023	E -26 3419
51		9.2R	6 46 21.324	-0.0025	20	-22 32 26.96	0.013	20	0.37	21.367	16	33.1	27.19	16	33.1	K0	M	14	4024	E -22 3526
52		9.3R	46 24.719	0.0043	20	-22 51 42.69	-0.045	20	0.37	24.646	16	33.1	41.94	16	33.1	A5	J	14	4025	E -22 3529
53		9.0R	46 27.975	-0.0016	17	-29 55 52.81	0.012	17	0.32	28.002	16	33.1	53.02	16	33.1	A5	J	138	3296	J -29 3500
54		8.9R	46 28.949	-0.0030	17	-29 22 1.82	-0.004	17	0.32	29.000	16	33.1	1.76	16	33.1	A5	J	138	3297	J -29 3498
55		8.9R	46 30.230	0.0029	12	-22 50 6.14	-0.060	12	0.26	30.182	16	33.1	5.13	16	33.1	F8	J	14	4026	E -22 3533
56		8.0T	46 34.829	-0.0010	14	-27 19 25.49	0.003	12	0.70	34.880	18	99.7	25.64	18	96.0	B5		GC	8918	C -27 3292
57		7.3T	46 38.577	-0.0011	14	-28 9 27.84	-0.013	12	0.71	38.631	18	99.9	27.14	18	97.0	A0		GC	8921	C -28 3454
58		8.0R	46 39.737	0.0008	17	-28 18 42.03	0.037	17	0.32	39.723	16	33.1	42.64	16	33.1	A0	J	138	3301	J -28 3455
59		8.5R	46 40.810	-0.0003	12	-25 36 0.43	0.017	12	0.26	40.815	16	33.1	0.71	16	33.1	K2	J	14	4030	E -25 3653
60		8.8A	46 41.171	-0.0002	15	-20 22 4.06	0.003	11	0.27	41.174	16	33.1	4.11	16	33.1	M4	J	13A	2494	A -20 1589
61		7.8R	46 42.061	-0.0109	18	-23 8 40.87	-0.035	18	0.34	42.246	16	33.1	40.29	16	33.1	F5	J	14	4028	E -23 4410
62		9.1R	46 42.363	0.0003	17	-29 38 25.21	0.025	17	0.32	42.358	16	33.1	25.64	16	33.1	K5	M	138	3303	J -29 3505
63		9.4R	46 44.327	0.0003	20	-22 8 26.09	-0.080	20	0.37	44.321	16	33.1	24.74	16	33.1	G5	M	14	4029	E -22 3538
64		9.0R	46 45.070	-0.0012	20	-27 6 41.12	-0.025	20	0.37	45.090	16	33.1	40.69	16	33.1	F0	J	138	3302	J -27 3294
65		8.1R	46 46.116	0.0001	17	-28 41 31.34	0.019	17	0.32	46.116	16	33.1	31.67	16	33.1	K0	J	138	3304	J -28 3457
66		9.4R	46 49.031	-0.0008	18	-24 56 39.04	0.029	18	0.34	49.045	16	33.1	39.53	16	33.1	B9	J	14	4031	E -24 4459
67		8.7R	46 49.295	-0.0005	20	-27 18 29.39	0.012	20	0.37	49.304	16	33.1	29.58	16	33.1	G0	J	138	3305	J -27 3296
68		7.4R	46 54.156	-0.0019	20	-29 41 9.21	0.024	20	0.37	54.187	16	33.1	9.62	16	33.1	K2	J	138	3307	J -29 3514
69		8.8R	46 57.018	-0.0047	15	-28 1 6.23	0.023	15	0.30	57.088	16	33.1	6.61	16	33.1	F5	J	138	3308	J -27 3298
70		9.0R	46 57.940	0.0009	18	-22 38 58.59	-0.005	18	0.34	57.924	16	33.1	58.51	16	33.1	K0	J	14	4032	E -22 3544
71		9.2R	47 3.284	0.0014	15	-22 53 44.98	-0.018	15	0.30	3.200	16	33.1	44.69	16	33.1	K	M	14	4033	E -22 3547
72		9.2R	47 4.127	-0.0013	18	-24 33 25.44	-0.005	18	0.34	4.148	16	33.1	25.36	16	33.1	A5	J	14	4034	E -24 4463
73		7.3R	47 4.791	-0.0001	15	-26 0 18.92	-0.016	15	0.30	4.793	16	33.1	18.64	16	33.1	K2	J	14	4035	E -25 3665
74		9.1R	47 5.376	0.0029	17	-28 51 31.50	0.023	17	0.32	5.327	16	33.1	31.90	16	33.1	F5	J	138	3309	J -28 3470
75		7.0T	47 18.744	-0.0042	15	-28 54 54.99	-0.005	13	0.70	18.942	17	02.3	54.77	18	00.4	F0		GC	8932	C -28 3475
76		8.9R	47 21.995	-0.0044	21	-23 23 49.55	0.019	21	0.39	22.069	16	33.1	49.88	16	33.1	K5	M	14	4038	E -23 4428
77		9.6R	47 22.077	-0.0007	20	-23 28 41.11	-0.016	20	0.37	22.088	16	33.1	40.85	16	33.1	A0	M	14	4039	E -23 4429
78		9.3R	47 25.373	-0.0012	18	-27 1 39.85	0.012	18	0.34	25.392	16	33.1	40.05	16	33.1	B9	J	14	4041	E -26 3438
79		8.7A	47 26.720	-0.0013	18	-21 7 21.69	0.017	13	0.31	26.742	16	33.1	21.97	16	33.1	B8	J	13A	2499	A -21 1609
80		7.4T	47 28.636	0.0009	12	-28 35 38.43	0.015	12	0.66	28.588	15	99.0	39.26	18	96.6	K0		GC	8935	C -28 3480
81		9.3R	47 29.311	0.0005	18	-22 47 27.39	-0.010	18	0.34	29.303	16	33.1	27.23	16	33.1	B9	J	14	4040	E -22 3554
82		8.3R	47 32.054	0.0001	18	-24 9 17.55	0.017	18	0.34	32.051	16	33.1	17.83	16	33.1	K5	M	14	4042	E -24 4476
83		7.2T	47 33.525	-0.0006	12	-24 5 4.99	-0.008	11	0.65	33.557	21	98.2	4.54	18	94.7	A2		GC	8937	C -24 4486
84		8.9R	47 33.698	0.0014	12	-24 4 37.82	-0.004	12	0.26	33.674	16	33.1	37.75	16	33.1	A0	J	14	4044	E -23 4435
85		9.6R	47 35.079	-0.0020	15	-26 29 43.57	-0.024	15	0.30	35.113	16	33.1	43.16	16	33.1	A2	J	14	4047	E -26 3440
86		8.5R	47 37.230	-0.0018	22	-24 0 54.65	0.012	22	0.41	37.260	16	33.1	54.85	16	33.1	A2	M	14	4046	E -23 4436
87		9.5R	47 38.217	-0.0000	20	-22 22 37.34	0.024	20	0.37	38.217	16	33.1	37.74	16	33.1	A0	M	14	4045	E -22 3558
88		9.3R	47 38.666	-0.0015	18	-25 24 13.70	0.041	18	0.34	38.692	16	33.1	14.40	16	33.1	A2	J	14	4049	E -25 3679
89		6.2T	47 39.399	-0.0002	12	-24 1 1.64	-0.005	11	0.63	39.411	17	97.1	1.35	17	95.0	A0		GC	8939K	C+-24 4438
90		8.8A	47 39.925	0.0002	15	-20 5 57.77	0.042	12	0.28	39.922	16	33.1	58.48	16	33.1	M0	J	13A	2502	A -19 1577
91		9.0A	47 44.189	0.0004	17	-20 24 11.87	0.075	13	0.30	44.182	16	33.1	13.14	16	33.1	K7	J	13A	2503	A -20 1594
92		8.9A	47 44.434	-0.0002	18	-21 2 2.85	-0.053	13	0.31	44.438	16	33.1	1.95	16	33.1	F5	J	13A	2504	A -20 1596
93		8.6R	47 46.646	0.0028	18	-24 56 20.47	-0.005	18	0.34	46.599	16	33.1	20.39	16	33.1	A2	J	14	4051	E -24 4480
94		8.8R	47 47.102	-0.0024	15	-22 24 50.67	-0.008	15	0.30	47.143	16	33.1	50.53	16	33.1	A5	J	14	4050	E -22 3561
95		8.6R	47 48.826	-0.0005	18	-25 58 48.49	0.008	18	0.34	48.834	16	33.1	48.62	16	33.1	F0	J	14	4053	E -25 3681
96		9.0R	47 49.037	-0.0048	20	-29 29 46.18	-0.041	20	0.37	49.118	16	33.1	45.50	16	33.1	G0	J	138	3322	J -29 3534
97		9.3R	47 49.463	0.0040	20	-28 40 6.66	0.084	20	0.37	49.396	16	33.1	8.09	16	33.1	B9	J	138	3320	J -28 3485
98		8.8R	47 53.449	0.0005	18	-22 21 3.33	0.016	18	0.34	53.441	16	33.1	3.60	16	33.1	K0	M	14	4052	E -22 3563
99		9.1R	47 57.185	-0.0006	17	-29 15 16.22	0.023	17	0.32	57.195	16	33.1	16.62	16	33.1	F5	J	138	3323	J -29 3536
00		9.1R	47 57.230	-0.0012	20	-29 54 11.46	0.001	20	0.37	57.250	16	33.1	11.49	16	33.1	A0	J	138	3325	J -29 3537

172400

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.		SOURCE CAT.	STAR NUMBER	-20° 6H DM NUMBER
1		9.2R	6 47 57.894	-0.0017	18	-25 0 6.50	-0.012	18	0.34	57.923	16	33.1	6.29	16	33.1	F8	J	14	4054	E -24 4485
2		9.0R	47 58.186	-0.0021	17	-28 37 27.03	0.021	17	0.32	58.222	16	33.1	27.40	16	33.1	K2	J	13B	3324	J -28 3487
3		6.8T	48 5.950	-0.0004	08	-27 16 29.62	-0.002	07	0.48	5.974	15	90.6	29.48	15	88.4	B3		GC	8950	C -27 3310
4		9.5R	48 9.655	0.0020	18	-24 46 31.52	0.034	18	0.34	9.622	16	33.1	32.09	16	33.1	K2	M	14	4056	E -24 4489
5		8.7R	48 10.988	-0.0022	12	-22 51 29.19	0.018	12	0.26	11.026	16	33.1	29.50	16	33.1	M0	J	14	4055	E -22 3568
6		9.6R	48 11.334	-0.0001	20	-23 31 52.14	0.007	20	0.37	11.335	16	33.1	52.25	16	33.1	G	M	14	4057	E -23 4450
7		8.5R	48 14.835	-0.0013	18	-26 42 44.45	0.004	18	0.34	14.857	16	33.1	44.51	16	33.1	K0	J	14	4059	E -26 3455
8		8.5R	48 19.743	0.0011	20	-27 53 59.06	-0.002	20	0.37	19.725	16	33.1	59.02	16	33.1	K0	J	13B	3328	J -27 3314
9		9.0R	48 20.607	0.0002	20	-29 19 2.50	0.042	20	0.37	20.604	16	33.1	3.22	16	33.1	A0	J	13B	3331	J -29 3543
10		8.8R	48 20.696	-0.0007	20	-27 14 57.13	-0.008	20	0.37	20.706	16	33.1	56.99	16	33.1	F0	J	13B	3329	J -27 3313
11		9.1R	48 21.759	0.0059	20	-29 53 17.56	-0.075	20	0.37	21.659	16	33.1	16.30	16	33.1	G5	J	13B	3332	J -29 3544
12		9.3R	48 21.930	0.0009	20	-23 0 50.50	0.000	20	0.37	21.914	16	33.1	50.51	16	33.1	A0	J	14	4060	E -22 3574
13		8.9A	48 22.058	-0.0028	18	-20 18 4.42	-0.071	13	0.31	22.104	16	33.1	3.23	16	33.1	G5	J	13A	2512	A -20 1599
14		8.6R	48 27.848	-0.0001	18	-23 36 0.12	0.022	18	0.34	27.849	16	33.1	0.49	16	33.1	K5	J	14	4061	E -23 4460
15		9.0R	48 29.288	0.0008	18	-24 53 58.18	0.001	18	0.34	29.275	16	33.1	58.20	16	33.1	B8	J	14	4063	E -24 4496
16		9.4R	48 30.580	0.0043	20	-22 8 9.32	-0.009	20	0.37	30.507	16	33.1	9.17	16	33.1	G	M	14	4062	E -22 3578
17		8.2R	48 31.985	0.0006	15	-27 4 7.15	-0.007	15	0.30	31.975	16	33.1	7.03	16	33.1	K0	J	13B	3333	J -26 3465
18		9.6R	48 34.150	0.0013	18	-26 39 23.16	-0.006	18	0.34	34.128	16	33.1	23.07	16	33.1	K0	M	14	4066	E -26 3466
19		8.5A	48 34.457	0.0011	20	-20 52 39.72	0.017	15	0.33	34.439	16	33.1	40.00	16	33.1	A3	J	13A	2514	A -20 1601
20		6.2T	48 34.686	-0.0008	12	-25 43 6.79	0.012	12	0.66	34.729	15	98.6	7.42	18	96.6	B3		GC	8966	C -25 3691
21		9.0R	48 35.940	-0.0012	18	-22 56 2.80	0.005	18	0.34	35.961	16	33.1	2.89	16	33.1	A0	J	14	4064	E -22 3581
22		7.4Q	48 36.240	-0.0007	17	-20 46 33.57	0.004	15	0.68	36.267	19	10.2	33.72	19	07.5	B8		GC	8967	-20 1602
23		8.9R	48 37.306	0.0013	18	-25 21 43.41	0.007	18	0.34	37.284	16	33.1	43.52	16	33.1	F2	J	14	4067	E -25 3693
24		9.1R	48 41.504	0.0010	18	-22 37 23.19	0.046	18	0.34	41.487	16	33.1	23.97	16	33.1	G0	J	14	4068	E -22 3582
25		7.1T	48 43.777	-0.0015	17	-20 51 1.73	-0.009	14	0.67	43.835	19	10.4	1.33	19	07.0	B3		GC	8970	-20 1603
26		9.4R	48 48.447	0.0012	12	-22 54 48.08	0.017	12	0.26	48.428	16	33.1	48.37	16	33.1	A0	M	14	4071	E -22 3587
27		8.0R	48 48.497	0.0003	20	-29 23 14.93	-0.006	20	0.36	48.492	16	33.5	14.84	16	33.5	G5	J	13B	3339	J -29 3551
28		9.5R	48 51.085	-0.0017	20	-23 31 33.07	0.016	20	0.37	51.114	16	33.1	33.34	16	33.1	A0	M	14	4073	E -23 4469
29		9.0R	48 52.257	0.0028	18	-24 40 39.87	-0.007	18	0.34	52.209	16	33.1	39.75	16	33.1	B9	J	14	4074	E -24 4506
30		8.9R	48 53.903	-0.0008	18	-24 20 17.56	0.002	18	0.34	53.916	16	33.1	17.59	16	33.1	B5	J	14	4075	E -24 4507
31		8.3R	48 56.346	-0.0023	20	-28 52 18.08	0.005	20	0.36	56.385	16	33.5	18.17	16	33.5	K0	J	13B	3342	J -28 3508
32		8.8R	48 57.708	-0.0030	20	-29 53 4.96	-0.027	20	0.36	57.758	16	33.5	4.52	16	33.5	K0	J	13B	3343	J -29 3553
33		9.2R	48 57.753	-0.0016	13	-22 54 55.33	0.012	13	0.27	57.779	16	33.5	55.54	16	33.5	K5	J	14	4076	E -22 3588
34		8.0R	49 0.637	0.0001	20	-28 38 50.10	0.008	20	0.36	0.636	16	33.5	50.24	16	33.5	A2	J	13B	3345	J -28 3510
35		9.3R	49 1.441	0.0000	20	-27 51 28.22	-0.026	20	0.36	1.441	16	33.5	27.78	16	33.5	A5	J	13B	3344	J -27 3321
36		8.9R	49 3.722	-0.0032	20	-26 59 26.64	0.027	20	0.36	3.775	16	33.5	27.08	16	33.5	K0	J	14	4078	E -26 3476
37		8.9R	49 4.017	-0.0001	20	-28 14 6.01	0.079	20	0.36	4.018	16	33.5	7.30	16	33.5	F0	J	13B	3346	J -28 3512
38		8.5R	49 7.909	0.0022	20	-28 40 15.56	0.015	20	0.36	7.873	16	33.5	15.82	16	33.5	F0	M	13B	3348	J -28 3515
39		8.7R	49 8.101	-0.0003	20	-28 40 26.54	0.010	20	0.36	8.107	16	33.5	26.72	16	33.5	F0	M	13B	3349	J -28 3515
40		9.5R	49 10.465	-0.0064	15	-24 45 17.34	0.037	15	0.29	10.571	16	33.5	17.95	16	33.5	K0	M	14	4079	E -24 4514
41		8.0R	49 10.720	-0.0029	15	-27 12 1.27	0.019	12	0.27	10.768	16	33.5	1.58	16	33.5	K2	J	13B	3350	J -27 3325
42		8.6R	49 12.556	-0.0002	20	-29 1 10.50	0.058	20	0.36	12.559	16	33.5	11.47	16	33.5	F2	J	13B	3351	J -28 3517
43		8.7R	49 15.587	0.0033	20	-29 30 59.95	0.099	20	0.36	15.533	16	33.5	+ 1.59	16	33.5	G0	J	13B	3354	J -29 3557
44		9.3R	49 19.871	-0.0003	18	-25 55 52.90	0.001	18	0.34	19.876	16	33.5	52.91	16	33.5	A3	J	14	4082	E -25 3701
45		8.2R	49 19.939	-0.0011	21	-23 35 8.89	-0.018	21	0.38	19.957	16	33.5	8.59	16	33.5	K5	J	14	4080	E -23 4478
46		9.3R	49 23.266	0.0005	20	-23 1 36.27	0.043	20	0.36	23.257	16	33.5	36.99	16	33.5	G0	M	14	4081	E -22 3609
47		8.6R	49 23.549	-0.0009	18	-25 18 30.93	0.014	18	0.34	23.563	16	33.5	31.16	16	33.5	B8	J	14	4084	E -25 3703
48		9.1R	49 23.865	-0.0032	20	-27 50 57.65	0.042	20	0.36	23.917	16	33.5	58.34	16	33.5	B9	J	13B	3355	J -27 3329
49		8.8A	49 23.990	0.0028	17	-21 53 9.26	-0.006	12	0.29	23.943	16	33.5	9.16	16	33.5	F0	J	13A	2523	A -21 1621
50		9.2R	49 26.428	-0.0007	15	-23 30 13.00	0.008	15	0.29	26.440	16	33.5	13.13	16	33.5	A5	J	14	4085	E -23 4480
51		9.5R	6 49 26.854	-0.0002	20	-22 7 44.15	-0.052	20	0.36	26.857	16	33.5	43.29	16	33.5	G	M	14	4083	E -22 3610
52		9.3R	49 32.177	-0.0004	18	-25 0 15.76	-0.049	18	0.34	32.184	16	33.5	14.94	16	33.5	G5	J	14	4087	E -24 4520
53		8.0R	49 35.642	-0.0010	12	-29 18 51.44	-0.002	12	0.25	35.658	16	33.5	51.40	16	33.5	K0	J	13B	3357	J -29 3565
54		7.8T	49 36.100	-0.0032	14	-26 28 26.65	-0.001	12	0.72	36.262	21	99.8	26.59	19	96.7	A2		GC	8994	C -26 3488
55		8.4R	49 36.337	0.0004	18	-23 44 30.31	0.020	18	0.34	36.331	16	33.5	30.63	16	33.5	A0	J	14	4088	E -23 4485
56		8.9R	49 40.244	-0.0020	18	-27 7 5.81	0.019	18	0.34	40.276	16	33.5	6.12	16	33.5	K0	J	13B	3358	J -27 3333
57		8.8R	49 40.778	-0.0003	17	-28 34 24.33	0.024	17	0.31	40.783	16	33.5	24.73	16	33.5	K0	J	13B	3360	J -28 3524
58		8.8R	49 44.907	0.0005	22	-23 55 32.10	0.029	22	0.40	44.898	16	33.5	32.57	16	33.5	K2	M	14	4092	E -23 4489
59		8.9R	49 47.844	0.0008	18	-25 41 39.20	0.006	18	0.34	47.851	16	33.5	39.29	16	33.5	B8	J	14	4094	E -25 3707
60		8.1R	49 48.087	-0.0023	18	-22 14 32.13	-0.015	18	0.34	48.124	16	33.5	31.88	16	33.5	G5	J	14	4093	E -22 3619
61		7.6T	49 48.179	-0.0013	16	-26 31 14.24	0.008	13	0.76	48.244	18	00.4	14.64	19	97.9	B5		GC	8999K	C*-26 3495
62		8.7R	49 48.217	-0.0021	18	-26 50 6.26	-0.050	18	0.34	48.252	16	33.5	5.43	16	33.5	F5	J	14	4096	E -26 3493
63		9.2R	49 54.790	-0.0039	18	-22 9 8.66	0.006	18	0.34	54.855	16	33.5	8.76	16	33.5	A3	M	14	4097	E -22 3620
64		9.0R	49 56.355	-0.0008	13	-24 42 34.80	-0.027	13	0.27	56.369	16	33.5	34.36	16	33.5	G5	J	14	4098	E -24 4527
65		9.1R	49 59.935	-0.0022	20	-29 21 0.47	0.001	20	0.36	59.971	16	33.5	0.50	16	33.5	F8	J	13B	3362	J -29 3572
66		9.0R	50 0.581	0.0013	18	-22 38 12.89	0.033	18	0.34	0.559	16	33.5	13.44	16	33.5	K0	J	14	4099	E -22 3625
67		9.3R	50 3.313	0.0018	18	-24 24 52.24	-0.005	18	0.34	3.283	16	33.5	24.16	16	33.5	A2	J	14	4100	E -24 4529
68		8.5R	50 5.581	-0.0013	15	-27 55 4.33	0.029	15	0.29	5.602	16	33.5	4.80	16	33.5	G5	J	13B	3363	J -27 3343
69		8.7R	50 10.438	-0.0010	17	-29 12 4.68	0.022	17	0.31	10.456	16	33.5	5.05	16	33.5	A0	J	13B	3364	J -29 3575
70		9.7R	50 10.727	0.0001	20	-23 2 15.42	0.006	20	0.36	10.725	16	33.5	15.53	16	33.5	A	M	14	4101	E -22 3628
71		9.0R	50 12.282	-0.0006	18	-26 52 20.78	0.026	18	0.34	12.291	16	33.5	21.20	16	33.5	G5	J	14	4104	E -26 3505
72		8.6R	50 13.347	-0.0007	17	-29 38 27.16	0.017	17	0.31	13.335	16	33.5	27.45	16	33.5	K5	J	13B	3365	J -29 3577
73		8.5R	50 15.652	-0.0015	18	-22 8 19.39	0.019	18	0.34	15.676	16	33.5	19.70	16	33.5	K0	J	14	4102	E -22 3629
74		9.0R	50 18.730	-0.0012	18	-26 23 54.23	0.036	18	0.34	18.749	16	33.5	54.82	16	33.5	K2	J	14	4105	E -26 3508
75		8.4R	50 19.573	-0.0014	17	-28 34 20.97	0.037	17	0.31	19.597	16	33.5	21.59	16	33.5	K0	J	13B	3367	J -28 3533
76		9.3R	50 23.335	-0.0021	18	-24 58 43.51	0.010	18	0.34	23.370	16	33.5	43.68	16	33.5	F5	J	14	4107	E -24 4536
77		9.0R	50 24.162	-0.0009	20	-28 34 42.70	-0.001	20	0.36	24.177	16	33.5	42.69	16	33.5	A0	J	13B	3368	J -28 3534
78		9.1A	50 24.506	-0.0001	17	-20 46 17.30	0.035	13	0.30	24.508	16	33.5	17.88	16	33.5	K0	J	13A	2530	A -20 1614
79		9.6R	50 24.760	0.0037	20	-22 44 34.45	0.030	20	0.36	24.700	16	33.5	34.95	16	33.5	G5	M	14	4106	E -22 3636
80		9.4R	50 25.611	-0.0004	18	-24 3 53.39	0.024	18	0.34	25.617	16	33.5	53.78	16	33.5	A0	J	14	4108	E -23 4509
81		9.0R	50 28.075	0.0000	20	-29 11 19.37	0.025	20	0.36	28.075	16	33.5	19.80	16	33.5	A0	J	13B	3369	J -29 3583
82		9.5R	50 29.047	-0.0081	18	-24 24 1.46	-0.051	18	0.34	29.180	16	33.5	0.61	16	33.5	G5	J	14	4111	E -24 4539
83		8.7R	50 29.131	-0.0012	15	-23 33 7.41	-0.018	15	0.29	29.150	16	33.5	7.11	16	33.5	G0	J	14	4110	E -23 4512
84		8.5R	50 29.422	0.0041	18	-25 29 49.73	0.058	18	0.34	29.355	16	33.5	50.70	16	33.5	F8	J	14	4112	E -25 3722
85		8.3R	50 30.599	0.0010	20	-29 2 10.24	-0.004	20	0.36	30.582	16	33.5	10.18	16	33.5	M0	M	13B	3370	J -28 3536
86		7.5A	50 32.199	-0.0011	13	-21 7 20.26	-0.005	11	0.26	32.217	16	33.5	20.17	16	33.5	B8	J	13A	2532	A -21 1630
87		8.5R	50 33.768	-0.0008	20	-27 42 34.13	0.046	20	0.36	33.782	16	33.5	34.88	16	33.5	F5	J	13B	3372	J -27 3352
88		9.7R	50 34.562	0.0038	20	-22 18 3.04	-0.019	20	0.36	34.500	16	33.5	2.72	16	33.5	G5	M	14	4113	E -22 3638
89		9.2R	50 34.947	-0.0012	12	-26 20 0.40	0.015	12	0.25	34.966	16	33.5	0.64	16	33.5	B9	J	14	4114	E -26 3516
90		9.6R	50 37.758	0.0036	15	-25 13 2.58	-0.060	15	0.29	37.698	16	33.5	1.58	16	33.5	G0	J	14	4115	E -25 3727
91		9.0R	50 38.100	-0.0002	20	-29 26 40.93	-0.006	20	0.36	38.103	16	33.5	40.84	16	33.5	M0	M	13B	3375	J -29 3587
92		8.7R	50 38.647	0.0002	00	-27 31 0.13	0.010	18	0.26	38.645	16	33.5	0.29	16	33.5	K0	J	13B	3373	J -27 3353
93		8.7R	50 38.770	-0.0014	20	-27 53 31.29	0.009	20	0.36	38.793	16	33.5	31.43	16	33.5	A0	J	13B	3374	J -27 3354
94		7.0R	50 39.303	-0.0026	18	-26 3 16.94	-0.057	18	0.34	39.346	16	33.5	15.99	16	33.5	K5	J	14	4116	E -25 3730
95		9.3R	50 40.090	0.0033	15	-24 39 43.25	-0.016	15	0.29	40.035	16	33.5	42.99	16	33.5	G5	M	14	4117	E -24 4545
96		8.9R	50 40.367	0.0028	20	-29 53 35.91	0.000	20	0.36	40.320	16	33.5	35.92	16	33.5	K5	J	13B	3376	J -29 3589
97		8.1R	50 41.532	-0.0005	18	-22 59 5.29	-0.004	18	0.34	41.541	16	33.5	5.23	16	33.5	B9	J	14	4116	E -22 3640
98		9.1R	50 47.909	0.0006	20	-29 8 32.77	0.019	20	0.36	47.899	16	33.5	33.09	16	33.5	A0	J	13B	3378	J -29 3592
99		8.7A	50 50.803	0.0002	18	-21 46 22.51	-0.009	13	0.31	50.799	16	33.5	22.36	16	33.5	B3	J	13A	2533	A -21 1633
00		9.0R	50 50.899	0.0000	20	-28 41 43.74	0.054	20	0.36	50.899	16	33.5	44.64	16	33.5	G5	J	13B	3379	J -28 3542

172500 — EPOCH 1950 — ORIGINAL EPOCH — -20° 6H

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	σ'_μ ″.001	σ_{1950} ″	α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.		CAT.	STAR NUMBER	DM NUMBER
1		9.0R	6 50 50.935	-0.0026	18	-23 49 14.08	0.029	10	0.34	50.978	16	33.5	14.55	16	33.5	F2	J	14	4122	E -23 4522
2		8.9R	50 52.855	0.0159	12	-23 2 46.42	0.086	12	0.25	52.593	16	33.5	47.52	16	33.5	K0	J	14	4121	E -22 3644
3		8.0R	50 57.788	-0.0018	21	-23 54 0.36	0.035	21	0.38	57.818	16	33.5	0.95	16	33.5	F8	J	14	4123	E -23 4525
4		6.5T	50 59.558	-0.0026	15	-26 53 38.75	-0.063	15	0.78	59.688	18	00.1	35.54	21	99.3	MB		GC	9016K	C -26 3529
5		9.5R	50 59.641	-0.0021	20	-23 30 21.68	-0.000	20	0.36	59.676	16	33.5	21.67	16	33.5	K0	M	14	4124	E -23 4526
6		8.9R	51 1.982	-0.0007	21	-23 14 34.28	-0.005	21	0.38	1.974	16	33.5	34.21	16	33.5	K0	M	14	4125	E -23 4528
7		9.0R	51 3.375	0.0007	20	-22 37 32.22	-0.012	20	0.36	3.364	16	33.5	32.03	16	33.5	A0	M	14	4126	E -22 3648
8		8.0R	51 4.478	0.0017	18	-24 50 41.62	-0.008	18	0.34	4.451	16	33.5	41.59	16	33.5	B8	J	14	4128	E -24 4530
9		9.2R	51 5.984	-0.0030	17	-29 46 57.40	0.003	17	0.31	6.034	16	33.5	57.46	16	33.5	F8	J	13B	3381	J -29 3599
10		8.7R	51 6.468	-0.0002	15	-27 22 50.96	0.004	15	0.29	6.472	16	33.5	51.02	16	33.5	K0	J	13B	3380	J -27 3366
11		7.7T	51 6.588	0.0047	18	-24 6 15.55	-0.023	14	0.63	8.362	19	01.7	14.38	19	99.5	B3		GC	9022	C -24 4551
12		8.0R	51 10.838	0.0008	18	-24 3 13.36	0.003	18	0.34	10.823	16	33.5	13.40	16	33.5	B8	J	14	4130	E -23 4532
13		9.2R	51 11.085	-0.0015	18	-25 29 8.60	0.004	18	0.34	11.120	16	33.5	9.00	16	33.5	K0	J	14	4131	E -25 3739
14		9.3R	51 14.675	-0.0019	18	-26 37 17.43	0.010	18	0.34	14.706	16	33.5	17.99	16	33.5	K0	J	14	4133	E -26 3535
15		9.0R	51 17.846	-0.0004	20	-27 48 27.11	-0.067	20	0.36	17.252	16	33.5	26.00	16	33.5	G5	J	13B	3382	J -27 3371
16		7.5T	51 18.329	-0.0008	14	-24 37 15.44	-0.023	13	0.73	18.369	15	99.5	14.25	18	97.9	A2		GC	9030	C -24 4553
17		9.2R	51 18.780	0.0001	15	-22 54 23.92	-0.004	15	0.29	18.777	16	33.5	23.86	16	33.5	F2	J	14	4132	E -22 3655
18		8.9A	51 21.190	-0.0007	17	-21 59 38.88	0.008	13	0.30	21.201	16	33.5	39.01	16	33.5	A2	J	13A	2545	A -21 1636
19		8.0R	51 22.932	-0.0010	18	-24 2 54.81	0.010	18	0.34	22.948	16	33.5	54.97	16	33.5	B9	J	14	4135	E -23 4537
20		4.7T	51 23.118	-0.0009	04	-20 9 40.03	0.003	04	0.23	23.160	10	01.8	40.20	10	98.1	B1		GC	9034	B+ 20 1616
21		9.5R	51 28.509	-0.0038	20	-22 42 43.81	0.037	20	0.36	28.570	16	33.5	44.43	16	33.5	G	M	14	4136	E -22 3658
22		9.4R	51 28.876	-0.0007	17	-24 21 12.48	0.027	17	0.31	28.887	16	33.5	12.92	16	33.5	B9	M	14	4139	E -24 4556
23		8.3R	51 29.107	0.0000	20	-27 47 4.10	0.039	20	0.36	29.107	16	33.5	4.74	16	33.5	K0	J	13B	3383	J -27 3375
24		6.0T	51 34.432	0.0206	05	-20 28 13.34	-0.439	04	0.24	33.470	09	03.3	-52.11	10	01.7	G0		GC	9038	C+ 20 3554
25		9.2R	51 35.119	0.0001	12	-22 22 14.62	0.018	12	0.25	35.117	16	33.5	14.91	16	33.5	F2	J	14	4140	E -22 3660
26		8.0T	51 35.935	-0.0038	12	-24 19 31.30	-0.137	11	0.67	36.146	18	94.7	23.53	17	93.4	F8		GC	9040	C -24 4559
27		9.3R	51 39.648	0.0015	20	-23 31 57.98	0.005	20	0.36	39.623	16	33.5	58.06	16	33.5	K2	M	14	4143	E -23 4544
28		8.4A	51 42.361	0.0002	18	-21 49 4.10	0.011	13	0.31	42.357	16	33.5	4.28	16	33.5	A2	J	13A	2546	A -21 1640
29		7.3T	51 45.357	-0.0002	11	-24 10 0.14	0.011	09	0.55	45.368	18	99.3	0.72	17	96.6	A3		GC	9047	C -24 4563
30		8.4R	51 49.108	-0.0015	18	-22 15 54.23	0.011	18	0.34	49.134	16	33.5	54.41	16	33.5	K2	J	14	4145	E -22 3664
31		6.2T	51 51.289	-0.0023	13	-24 28 31.04	-0.014	12	0.68	51.410	17	98.1	30.27	15	95.7	A0		GC	9050	C -24 4565
32		9.3R	51 51.300	-0.0004	18	-25 21 5.17	0.005	18	0.34	51.306	16	33.5	5.25	16	33.5	A0	J	14	4148	E -25 3760
33		9.6R	51 54.007	-0.0017	17	-23 38 34.48	0.015	17	0.31	54.035	16	33.5	34.72	16	33.5	B8	M	14	4149	E -23 4550
34		8.6R	51 54.143	-0.0001	18	-22 31 59.58	-0.021	18	0.34	54.145	16	33.5	59.24	16	33.5	K0	J	14	4147	E -22 3669
35		8.7R	51 56.222	-0.0002	15	-25 46 37.39	0.011	15	0.29	56.225	16	33.5	37.57	16	33.5	K5	J	14	4150	E -25 3763
36		8.9R	51 56.350	-0.0014	18	-26 47 58.62	-0.033	18	0.34	56.373	16	33.5	58.07	16	33.5	F0	J	14	4151	E -26 3544
37		9.1R	51 59.142	0.0016	12	-25 28 8.74	0.028	12	0.25	59.115	16	33.5	9.20	16	33.5	K0	J	14	4152	E -25 3765
38		9.7T	51 59.209	-0.0042	18	-26 31 21.03	0.008	14	0.82	59.405	22	03.4	21.42	21	99.4	A3		GC	9054	C -26 3545
39		9.0A	52 0.854	0.0046	18	-21 25 49.98	-0.017	13	0.31	0.778	16	33.5	49.69	16	33.5	G0	J	13A	2551	A -21 1641
40		9.0R	52 1.079	-0.0001	21	-28 7 34.23	0.009	21	0.38	1.080	16	33.5	34.37	16	33.5	F8	J	13B	3391	J -28 3566
41		8.5R	52 2.118	-0.0028	15	-27 41 46.55	0.042	12	0.27	2.165	16	33.5	47.24	16	33.5	A0	J	13B	3392	J -27 3384
42		4.1T	52 3.362	-0.0009	03	-24 7 12.87	0.011	03	0.19	3.408	09	00.5	13.42	09	99.0	K2p		GC	9059	C+ 24 4567
43		9.1R	52 4.991	-0.0033	20	-28 28 15.22	-0.004	17	0.34	5.045	16	33.5	15.15	16	33.5	K0	J	13B	3394	J -28 3567
44		9.1R	52 6.855	-0.0003	18	-23 2 31.27	0.015	18	0.34	6.859	16	33.5	31.53	16	33.5	B9	J	14	4155	E -22 3677
45		9.0R	52 7.829	-0.0016	20	-25 13 33.76	0.007	20	0.36	7.855	16	33.5	33.88	16	33.5	K2	M	14	4157	E -25 3767
46		6.5T	52 8.092	-0.0010	13	-23 51 51.60	0.001	10	0.64	8.145	18	99.4	51.64	15	98.2	G8		GC	9061	C -23 4553
47		9.2R	52 9.206	0.0010	20	-26 0 32.77	0.044	20	0.36	9.190	16	33.5	33.49	16	33.5	A2	J	14	4160	E -25 3769
48		8.3R	52 12.351	0.0005	15	-22 22 19.32	0.022	15	0.29	12.342	16	33.5	19.68	16	33.5	K0	J	14	4158	E -22 3680
49		9.4R	52 12.425	0.0007	20	-22 43 33.14	-0.012	20	0.36	12.413	16	33.5	32.95	16	33.5	A2	J	14	4159	E -22 3679
50		8.5R	52 12.681	0.0009	20	-27 17 59.08	-0.004	20	0.36	12.666	16	33.5	59.01	16	33.5	K5	J	13B	3396	J -27 3385
51		8.7R	6 52 16.316	-0.0040	18	-22 59 1.02	0.001	18	0.34	16.382	16	33.5	1.04	16	33.5	B8	J	14	4163	E -22 3682
52		9.0R	52 16.588	-0.0016	20	-23 9 2.67	0.049	20	0.36	16.615	16	33.5	3.47	16	33.5	K0	J	13B	3397	J -23 3624
53		9.2R	52 18.029	-0.0007	18	-25 8 43.37	-0.027	18	0.34	18.041	16	33.5	42.92	16	33.5	A0	J	14	4165	E -25 3773
54		9.6R	52 18.653	-0.0001	15	-22 59 26.60	0.019	15	0.29	18.655	16	33.5	26.92	16	33.5	G0	M	14	4164	E -22 3683
55		8.7R	52 23.132	-0.0019	20	-28 52 59.16	-0.011	20	0.36	23.164	16	33.5	58.99	16	33.5	F0	J	13B	3399	J -28 3575
56		8.3R	52 33.139	-0.0027	20	-27 29 41.11	0.025	20	0.36	33.184	16	33.5	41.52	16	33.5	K0	J	13B	3401	J -27 3393
57		9.5R	52 35.854	-0.0042	20	-22 20 36.22	-0.072	20	0.36	35.923	16	33.5	35.03	16	33.5	A2	J	14	4166	E -22 3689
58		8.6R	52 36.694	-0.0015	18	-24 11 28.02	-0.000	18	0.34	36.718	16	33.5	28.02	16	33.5	B8	J	14	4167	E -24 4578
59		8.9A	52 37.593	0.0004	18	-21 46 23.26	-0.020	13	0.31	37.586	16	33.5	22.93	16	33.5	A2	J	13A	2555	A -21 1645
60		8.7R	52 38.965	-0.0019	15	-24 51 35.76	0.030	15	0.29	38.997	16	33.5	36.26	16	33.5	B5	J	14	4169	E -24 4580
61		8.7R	52 39.815	-0.0024	18	-22 42 20.33	0.002	18	0.34	39.854	16	33.5	20.37	16	33.5	F5	J	14	4168	E -22 3693
62		8.4R	52 40.214	-0.0012	18	-24 15 4.49	0.025	18	0.34	40.233	16	33.5	4.90	16	33.5	B5	J	14	4170	E -24 4579
63		7.8R	52 49.355	0.0000	12	-28 18 38.47	0.070	12	0.25	49.355	16	33.5	39.62	16	33.5	F5	J	13B	3405	J -28 3581
64		8.1R	52 50.170	-0.0012	18	-24 39 12.08	0.011	18	0.34	50.190	16	33.5	12.27	16	33.5	B8	J	14	4171	E -24 4586
65		9.0R	52 51.335	-0.0036	20	-27 10 9.72	0.045	20	0.36	51.394	16	33.5	10.46	16	33.5	F5	J	13B	3406	J -27 3396
66		9.4R	52 51.856	0.0011	18	-25 47 41.03	-0.019	18	0.34	51.839	16	33.5	40.71	16	33.5	K0	J	14	4174	E -25 3787
67		8.5R	52 52.738	-0.0019	18	-22 52 24.20	0.035	18	0.34	52.770	16	33.5	24.79	16	33.5	A2	J	14	4172	E -22 3701
68		9.0R	52 52.854	-0.0009	18	-24 36 54.07	0.004	18	0.34	52.888	16	33.5	54.14	16	33.5	K	M	14	4173	E -24 4587
69		5.7T	52 53.107	-0.0006	05	-20 20 22.93	-0.006	04	0.25	53.133	12	04.4	22.64	12	00.4	A2		GC	9076K	B+ 20 1624
70		9.0R	52 53.994	-0.0015	20	-29 49 19.44	-0.132	20	0.36	54.018	16	33.5	17.26	16	33.5	G0	J	13B	3407	J -29 3636
71		9.4R	52 54.714	-0.0001	18	-24 11 38.01	0.005	18	0.34	54.716	16	33.5	38.09	16	33.5	F2	J	14	4175	E -24 4588
72		8.8A	52 54.853	0.0004	17	-20 20 59.65	-0.002	12	0.29	54.814	16	33.5	59.62	16	33.5	K5	J	13A	2559	A -20 1625
73		8.9A	53 4.086	0.0001	18	-21 48 24.75	0.011	13	0.31	4.064	16	33.5	24.93	16	33.5	B9	J	13A	2561	A -21 1650
74		7.0T	53 16.941	0.0004	11	-28 58 19.00	-0.068	12	0.61	16.919	15	99.8	19.51	17	98.3	F5		GC	9091	C+ 28 3591
75		9.3R	53 19.839	0.0019	15	-24 17 45.92	-0.012	15	0.29	19.807	16	33.5	45.72	16	33.5	B8	J	14	4176	E -24 4590
76		9.4R	53 24.302	-0.0032	20	-26 35 27.32	0.048	20	0.36	24.355	16	33.5	28.11	16	33.5	G5	M	14	4177	E -26 3580
77		8.1R	53 25.305	-0.0056	20	-28 35 18.08	0.029	20	0.36	25.401	16	33.5	18.57	16	33.5	F5	J	13B	3414	J -28 3593
78		6.8T	53 25.342	-0.0023	28	-21 58 19.61	-0.013	28	1.25	25.449	19	04.3	19.01	21	04.0	B5		GC	9095K	-21 1655
79		4.6T	53 27.281	0.0029	03	-20 4 17.13	0.041	03	0.17	27.122	07	02.4	19.10	07	02.3	F5		GC	9096K	B+ 19 1610
80		8.8R	53 29.692	0.0042	18	-24 19 11.20	-0.080	18	0.34	29.622	16	33.5	10.21	16	33.5	K0	J	14	4179	E -24 4601
81		8.3R	53 30.250	-0.0013	20	-27 4 16.80	0.039	20	0.36	30.271	16	33.5	17.44	16	33.5	B3	J	13B	3416	J -26 3582
82		8.2R	53 31.862	-0.0016	18	-22 7 34.41	0.006	18	0.34	31.889	16	33.5	34.50	16	33.5	K2	J	14	4178	E -22 3714
83		9.4R	53 32.178	-0.0022	20	-25 7 27.61	0.007	20	0.36	32.214	16	33.5	27.72	16	33.5	A0	J	14	4180	E -25 3798
84		8.2R	53 38.903	-0.0006	18	-24 36 47.30	-0.001	18	0.34	38.913	16	33.5	47.29	16	33.5	B3	J	14	4183	E -24 4604
85		8.9R	53 39.071	-0.0003	17	-26 33 2.35	0.043	17	0.31	39.075	16	33.5	3.03	16	33.5	K5	J	14	4185	E -26 3585
86		9.3R	53 40.166	-0.0011	15	-22 19 29.33	0.020	15	0.29	40.183	16	33.5	29.66	16	33.5	A5	J	14	4181	E -22 3719
87		9.0R	53 40.181	-0.0016	20	-25 7 35.15	0.026	20	0.36	40.207	16	33.5	35.61	16	33.5	B9	J	14	4184	E -25 3801
88		5.3T	53 40.581	-0.0016	08	-22 52 32.17	0.001	09	0.35	40.645	10	09.9	32.22	10	09.3	B3		GC	9099	B+ 22 1602
89		8.7R	53 46.183	-0.0007	20	-28 32 27.75	0.055	20	0.36	46.195	16	33.5	28.67	16	33.5	G5	J	13B	3419	J -28 3604
90		9.0R	53 46.227	-0.0012	20	-29 53 2.23	0.050	20	0.36	46.248	16	33.5	3.06	16	33.5	A3	J	13B	3420	J -29 3654
91		7.3T	53 50.052	0.0018	13	-25 27 10.19	0.010	12	0.69	49.964	18	99.5	10.70	18	96.2	F0		GC	9105K	C+ 25 3804
92		8.9R	53 51.143	-0.0038	18	-22 56 42.19	0.045	18	0.34	51.205	16	33.5	42.94	16	33.5	K0	J	14	4186	E -22 3722
93		9.1R	53 52.922	-0.0007	20	-26 29 3.19	0.011	20	0.36	52.935	16	33.5	3.36	16	33.5	F8	J	13B	3422	J -26 3607
94		8.8R	53 57.751	-0.0019	20	-28 15 11.77	0.041	20	0.36	57.782	16	33.5	12.44	16	33.5	F5	J	13B	3423	J -28 3611
95		8.7R	54 8.761	-0.0022	18	-24 44 25.61	0.017	18	0.34	8.798	16	33.5	25.89	16	33.5	K0	J	14	4188	E -24 4620
96		8.5R	54 10.457	-0.0003	20	-26 47 21.95	0.049	20	0.36	10.462	16	33.5	22.75	16	33.5	K5	J	14	4190	E -26 3600
97		9.5R	54 10.877	-0.0080	20	-25 29 9.46	-0.061	20	0.36	10.975	16	33.5	8.45	16	33.5	A0	J	14	4189	E -25 3808
98		9.2R	54 14.501	-0.0029	20	-26 36 20.58	0.040	20	0.36	14.549	16	33.5	21.24	16	33.5	G0	J	14	4192	E -26 3604
99		9.1R	54 17.602	-0.0046	20	-28 35 5.93	0.005	20	0.36	17.677	16	33.5	6.02	16	33.5	B9	J	13B	3428	J -28 3617
00		9.3R	54 18.447	-0.0008	20	-22 14 3.38	0.001	20	0.36	18.459	16	33.5	3.39	16	33.5	K0	M	14	4191	E -22 3731

172600

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	EPOCH 1950 μ s	EPOCH 1950 σ_μ ″.001	EPOCH 1950 δ_{1950} ° ′ ″	EPOCH 1950 μ' ″	EPOCH 1950 σ_μ' ″.001	EPOCH 1950 σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.		SOURCE CAT.	SOURCE STAR NUMBER	-20° 6H DM NUMBER
1		8.3R	6 54 19.873	0.0015	20	-29 30 37.94	-0.033	20	0.36	19.848	16	33.5	37.39	16	33.5	K5	J	13B	3429	J -29 3665
2		9.4R	54 23.643	-0.0030	20	-27 58 18.29	0.024	20	0.36	23.693	16	33.5	18.68	16	33.5	B9	J	13B	3431	J -27 3433
3		9.5R	54 26.291	0.0024	20	-23 28 11.34	-0.019	20	0.36	26.251	16	33.5	11.03	16	33.5	G	M	14	4195	E -23 4620
4		9.3R	54 26.663	-0.0032	20	-29 38 43.52	-0.012	20	0.36	26.717	16	33.5	43.32	16	33.5	A0	J	13B	3432	J -29 3671
5		9.0R	54 26.802	-0.0027	15	-22 27 16.22	-0.014	15	0.29	26.847	16	33.5	15.99	16	33.5	G0	J	14	4193	E -22 3735
6		7.8R	54 27.388	0.0009	15	-22 34 41.65	-0.002	15	0.29	27.373	16	33.5	41.63	16	33.5	K0	J	14	4194	E -22 3736
7		9.5R	54 27.480	0.0008	18	-25 11 10.02	-0.085	18	0.34	27.466	16	33.5	8.61	16	33.5	F8	J	14	4197	E -25 3811
8		8.9R	54 28.568	0.0020	18	-22 34 24.13	0.036	18	0.34	28.535	16	33.5	24.73	16	33.5	F	J	14	4196	E -22 3737
9		7.7R	54 31.079	0.0002	15	-25 50 38.55	-0.064	15	0.29	31.076	16	33.5	37.49	16	33.5	K0	J	14	4199	E -25 3813
10		9.4R	54 32.689	0.0005	20	-25 6 47.55	0.007	20	0.36	32.681	16	33.5	47.67	16	33.5	K0	J	14	4200	E -25 3814
11		9.0R	54 33.045	-0.0008	20	-28 50 48.17	0.066	20	0.36	33.059	16	33.5	49.27	16	33.5	G0	J	13B	3434	J -28 3623
12		8.5R	54 33.192	-0.0038	18	-24 47 49.96	-0.002	18	0.34	33.256	16	33.5	49.93	16	33.5	F5	J	14	4201	E -24 4629
13		9.2R	54 33.763	0.0014	12	-26 3 53.10	0.029	12	0.25	33.739	16	33.5	53.57	16	33.5	F8	J	14	4202	E -25 3818
14		9.0R	54 38.519	0.0020	20	-29 20 48.09	0.055	20	0.36	38.486	16	33.5	49.01	16	33.5	F5	J	13B	3436	J -29 3679
15		9.0A	54 42.917	-0.0009	17	-20 3 55.50	0.022	13	0.30	42.932	16	33.5	55.87	16	33.5	A0	J	13A	2578	A -19 1620
16		8.5R	54 43.260	0.0004	20	-29 40 13.41	-0.025	20	0.36	43.254	16	33.5	13.01	16	33.5	K5	J	13B	3437	J -29 3683
17		8.5A	54 46.528	-0.0000	18	-21 2 3.01	0.017	13	0.31	46.529	16	33.5	3.29	16	33.5	B5	J	13A	2580	A -20 1634
18		9.1R	54 49.764	-0.0007	18	-24 26 49.36	-0.008	18	0.34	49.776	16	33.5	49.22	16	33.5	A0	J	14	4203	E -24 4634
19		8.2T	54 50.060	-0.0007	12	-24 54 6.92	0.009	10	0.62	50.096	17	97.1	7.43	17	94.2	K5		GC	9135	C -24 4635
20		9.2R	54 52.250	0.0009	20	-22 50 0.81	0.004	20	0.36	52.234	16	33.5	0.88	16	33.5	G5	M	14	4204	E -22 3750
21		8.6R	54 56.498	-0.0005	15	-26 38 55.16	0.032	12	0.27	56.506	16	33.5	55.68	16	33.5	K5	J	14	4208	E -26 3623
22		8.1R	54 56.638	0.0012	20	-28 37 49.56	0.073	20	0.36	56.619	16	33.5	50.77	16	33.5	G0	J	13B	3441	J -28 3631
23		8.8R	54 58.420	-0.0016	15	-23 41 6.91	-0.036	15	0.29	58.446	16	33.5	6.31	16	33.5	F0	J	14	4206K	E -23 4636
24		9.5A	55 1.294	0.0003	15	-21 54 9.56	-0.010	12	0.27	1.289	16	33.5	9.39	16	33.5	K7	J	13A	2583	A -21 1666
25		9.3R	55 2.092	-0.0008	15	-24 32 5.70	-0.001	15	0.29	2.105	16	33.5	5.69	16	33.5	F8	M	14	4209	E -24 4637
26		9.7R	55 6.112	0.0027	18	-25 5 6.45	0.035	18	0.34	6.067	16	33.5	7.02	16	33.5	K5	J	14	4211	E -24 4639
27		8.9R	55 6.650	0.0021	20	-29 24 50.37	-0.019	20	0.36	6.616	16	33.5	50.05	16	33.5	G5	M	13B	3442	J -29 3686
28		8.3R	55 6.747	-0.0007	15	-25 5 2.74	-0.001	15	0.29	6.759	16	33.5	2.72	16	33.5	K5	J	14	4213	E -24 4639
29		7.7R	55 7.419	-0.0020	18	-22 8 7.46	-0.013	18	0.34	7.453	16	33.5	7.24	16	33.5	B8	J	14	4210	E#-22 3758
30		9.0R	55 7.420	-0.0047	15	-24 23 3.33	0.084	15	0.29	7.497	16	33.5	4.71	16	33.5	G	J	14	4212	E -24 4640
31		6.4T	55 7.448	-0.0008	20	-22 8 8.10	-0.017	18	0.94	7.488	18	01.6	7.25	18	00.7	B8		GC	9140	B#-22 1616
32		8.0R	55 12.314	-0.0005	18	-25 45 2.63	0.015	18	0.34	12.322	16	33.5	2.87	16	33.5	K0	J	14	4216	E -25 3829
33		9.1R	55 12.356	-0.0036	20	-26 31 31.81	0.006	20	0.36	12.415	16	33.5	31.91	16	33.5	G5	M	14	4218	E -26 3630
34		8.7R	55 15.176	-0.0019	21	-23 25 53.23	0.007	21	0.38	15.207	16	33.5	53.35	16	33.5	K0	J	14	4215	E -23 4640
35		8.5R	55 16.534	-0.0003	20	-29 25 35.09	0.025	20	0.36	16.540	16	33.5	35.51	16	33.5	K0	J	13B	3444	J -29 3691
36		9.4R	55 18.741	0.0022	18	-25 41 42.33	-0.010	18	0.34	18.705	16	33.5	42.16	16	33.5	K0	J	14	4219	E -25 3833
37		9.6R	55 20.993	-0.0022	18	-24 19 33.66	-0.133	18	0.34	21.029	16	33.5	31.46	16	33.5	G5	M	14	4220	E -24 4645
38		9.2A	55 21.867	-0.0001	15	-20 54 20.22	0.019	11	0.26	21.869	16	33.5	20.52	16	33.5	K2	J	13A	2585	A -20 1641
39		8.8A	55 24.461	0.0018	20	-20 58 48.12	0.017	15	0.33	24.431	16	33.5	48.40	16	33.5	F8	J	13A	2586	A -20 1642
40		8.3R	55 24.623	-0.0048	20	-27 7 12.89	0.016	20	0.36	24.702	16	33.5	13.15	16	33.5	K0	J	13B	3447	J -27 3453
41		9.3R	55 25.406	-0.0006	18	-23 8 12.34	-0.023	18	0.34	25.415	16	33.5	11.97	16	33.5	K0	M	14	4221	E -23 4643
42		9.7R	55 27.381	-0.0018	20	-22 9 10.98	0.017	20	0.36	27.410	16	33.5	11.26	16	33.5	K	M	14	4222	E -22 3770
43		7.7R	55 28.657	-0.0004	15	-23 5 22.57	0.015	15	0.29	28.664	16	33.5	22.83	16	33.5	G0	J	14	4223	E -22 3771
44		5.4T	55 30.051	-0.0046	05	-24 33 50.95	0.104	04	0.21	30.218	09	13.7	55.27	09	08.5	F5		GC	9145K	C#-24 4648
45		8.4R	55 31.680	-0.0007	18	-27 3 53.83	0.002	18	0.34	31.692	16	33.5	53.86	16	33.5	K5	J	14	4229	E -26 3639
46		8.8R	55 33.062	0.0014	20	-28 19 44.70	-0.018	20	0.36	33.040	16	33.5	44.40	16	33.5	G5	J	13B	3453	J -28 3642
47		8.5R	55 36.505	-0.0009	18	-23 23 20.00	-0.016	18	0.34	36.520	16	33.5	19.75	16	33.5	A0	J	14	4228	E -23 4649
48		9.4R	55 37.257	-0.0008	20	-22 31 21.60	-0.018	20	0.36	37.269	16	33.5	21.31	16	33.5	A0	M	14	4227	J -22 3775
49		9.1R	55 38.409	-0.0016	20	-28 32 59.40	0.062	20	0.36	38.435	16	33.5	+ 0.43	16	33.5	F5	M	13B	3455	J -28 3645
50		6.1T	55 42.530	-0.0029	11	-27 28 9.96	0.003	11	0.61	42.689	14	95.4	10.11	15	93.1	B3		GC	9154	C -27 3460
51		8.5R	6 55 50.732	0.0008	15	-26 22 33.75	-0.022	15	0.29	50.718	16	33.5	33.38	16	33.5	F0	J	14	4231	E -26 3641
52		8.9A	55 55.437	0.0008	13	-21 27 45.20	-0.007	09	0.25	55.424	16	33.5	45.08	16	33.5	K2	J	13A	2589	A -21 1679
53		9.0R	55 55.714	0.0022	18	-22 48 27.04	0.012	18	0.34	55.678	16	33.5	27.25	16	33.5	B5	J	14	4232	E -22 3781
54		9.3A	55 58.411	-0.0016	17	-20 2 29.38	0.004	12	0.29	58.438	16	33.5	29.45	16	33.5	A2	J	13A	2590	A -19 1628
55		8.3A	56 0.569	-0.0008	18	-21 48 5.51	-0.033	13	0.31	0.581	16	33.5	4.96	16	33.5	F0	J	13A	2593	A -21 1680
56		6.2T	56 7.043	0.0001	13	-27 5 45.41	-0.010	12	0.67	7.039	18	99.3	44.86	18	96.1	B3		GC	9165K	C*-26 3646
57		8.6R	56 8.120	0.0004	18	-25 34 5.94	0.002	18	0.34	8.113	16	33.5	5.97	16	33.5	K5	J	14	4234	E -25 3855
58		8.6R	56 11.004	0.0015	18	-24 14 5.43	0.022	18	0.34	10.979	16	33.5	5.79	16	33.5	K0	J	14	4235	E -24 4663
59		8.8A	56 13.396	0.0005	18	-20 27 38.12	0.005	13	0.31	13.388	16	33.5	38.21	16	33.5	B5	J	13A	2594	A -20 1650
60		9.0A	56 17.600	0.0005	18	-22 53 19.56	-0.034	15	0.32	17.591	16	33.5	19.01	16	33.5	K0	J	13A	2596	A -22 1625
61		9.0A	56 19.008	-0.0008	20	-21 58 17.19	-0.083	15	0.33	19.022	16	33.5	15.82	16	33.5	G0	J	13A	2597	A -21 1683
62		9.0R	56 23.515	-0.0025	20	-29 34 38.75	0.087	20	0.36	23.557	16	33.5	40.20	16	33.5	G5	J	13B	3464	J -29 3717
63		8.7R	56 24.070	-0.0017	17	-27 5 30.07	0.029	17	0.31	24.098	16	33.5	30.54	16	33.5	K0	J	13B	3463	J -26 3654
64		9.7R	56 25.961	-0.0035	18	-24 1 49.14	0.049	18	0.34	26.019	16	33.5	49.94	16	33.5	A0	J	14	4236	E -23 4674
65		9.0R	56 26.372	0.0003	20	-29 0 21.46	-0.033	20	0.36	26.367	16	33.5	20.93	16	33.5	A5	M	13B	3465	J -28 3661
66		9.1R	56 30.185	-0.0023	20	-27 13 32.10	0.048	20	0.36	30.224	16	33.5	32.89	16	33.5	A0	J	13B	3466	J -27 3472
67		6.6T	56 30.570	-0.0014	12	-23 48 42.19	0.015	11	0.65	30.643	18	98.3	43.01	18	94.9	A0		GC	9180	C -23 4678
68		9.4R	56 32.119	-0.0006	18	-22 28 0.59	0.008	18	0.34	32.109	16	33.5	0.72	16	33.5	B9	J	14	4238	E -22 3799
69		5.7T	56 32.873	-0.0011	04	-25 20 41.85	0.013	04	0.18	32.924	06	05.8	42.42	06	04.5	B3		GC	9181K	C*-25 3864
70		9.3R	56 32.915	0.0005	20	-26 48 52.99	0.009	20	0.36	32.907	16	33.5	53.14	16	33.5	A2	J	14	4242	E -26 3656
71		7.9T	56 34.677	-0.0027	17	-26 38 41.22	0.009	13	0.76	34.806	22	02.4	41.65	17	00.9	K5		GC	9183	C -26 3658
72		8.1A	56 35.045	0.0022	20	-20 32 44.90	-0.014	15	0.33	35.009	16	33.5	44.66	16	33.5	K5	J	13A	2600	A -20 1654
73		9.1A	56 36.141	0.0002	17	-20 1 10.48	0.010	12	0.29	36.139	16	33.5	10.65	16	33.5	K0	J	13A	2601	A -19 1636
74		9.0R	56 37.201	-0.0000	18	-22 27 58.15	0.028	18	0.34	37.202	16	33.5	58.61	16	33.5	M0	J	14	4241	E -22 3802
75		8.7R	56 37.876	0.0020	20	-27 59 45.88	-0.042	20	0.36	37.844	16	33.5	45.18	16	33.5	K0	J	13B	3469	J -27 3477
76		1.6H	56 39.587	0.0001	01	-28 54 10.24	0.002	01	0.05	39.580	02	05.3	10.30	03	09.5	B1		F4	268	C -28 3666
77		9.0A	56 42.708	0.0007	18	-20 2 40.58	0.013	13	0.31	42.697	16	33.5	40.80	16	33.5	F8	J	13A	2604	A -19 1638
78		9.1R	56 43.337	-0.0049	21	-25 20 24.72	-0.022	21	0.38	43.418	16	33.5	24.35	16	33.5	F8	M	14	4244	E -25 3867
79		8.9R	56 46.161	0.0015	20	-26 48 3.08	0.045	20	0.36	46.135	16	33.5	3.82	16	33.5	F0	J	14	4245	E -26 3664
80		8.8R	56 47.890	-0.0002	20	-26 1 6.51	0.052	20	0.36	47.893	16	33.5	7.36	16	33.5	K0	J	14	4246	E -25 3870
81		9.4R	56 50.149	-0.0002	20	-24 51 30.14	0.012	20	0.36	50.152	16	33.5	30.34	16	33.5	F0	M	14	4247	E -24 4679
82		8.9R	56 55.385	-0.0015	20	-25 15 58.19	-0.030	20	0.36	55.409	16	33.5	58.68	16	33.5	A2	J	14	4248	E -25 3872
83		8.8R	56 56.865	-0.0003	20	-26 11 37.67	-0.010	20	0.36	56.870	16	33.5	37.50	16	33.5	A2	J	14	4249	E -26 3669
84		8.6A	56 58.010	0.0013	18	-20 43 20.49	0.021	13	0.31	57.989	16	33.5	20.83	16	33.5	B8	J	13A	2605	A -20 1657
85		7.3T	56 59.053	-0.0000	16	-26 24 16.61	0.019	14	0.78	59.055	21	00.6	17.57	19	99.0	B8		GC	9193K	C*-26 3670
86		9.0R	57 5.706	-0.0015	20	-26 59 33.05	0.018	20	0.36	5.731	16	33.5	33.54	16	33.5	A0	J	14	4253	E -26 3676
87		8.6A	57 5.939	-0.0009	18	-21 5 51.36	0.022	13	0.31	5.955	16	33.5	51.72	16	33.5	M1	J	13A	2606	A -20 1660
88		9.0A	57 6.124	-0.0011	18	-21 18 35.22	-0.009	13	0.31	6.142	16	33.5	35.06	16	33.5	A0	J	13A	2607K	A -21 1685
89		8.8A	57 6.240	0.0010	18	-21 30 36.70	0.015	13	0.31	6.223	16	33.5	36.94	16	33.5	K5	J	13A	2608	A -21 1686
90		7.5T	57 6.821	-0.0011	07	-28 53 32.31	0.002	08	0.47	6.884	17	90.2	32.46	17	92.3	F0		GC	9194	C -28 3674
91		8.6R	57 7.922	0.0027	20	-27 48 8.23	0.012	20	0.36	7.877	16	33.5	8.42	16	33.5	K2	J	13B	3477	J -27 3482
92		9.3R	57 10.573	-0.0000	18	-24 14 52.04	0.016	18	0.34	10.573	16	33.5	52.30	16	33.5	K5	J	14	4254	E -24 4687
93		9.2R	57 12.479	-0.0029	20	-26 31 24.08	0.016	20	0.36	12.526	16	33.5	24.34	16	33.5	A0	J	14	4256	E -26 3679
94		8.5R	57 14.186	-0.0009	18	-22 44 48.23	-0.013	18	0.34	14.201	16	33.5	48.03	16	33.5	A5	J	14	4255	E -22 3816
95		8.9R	57 17.726	-0.0010	20	-27 0 22.48	0.055	20	0.36	17.742	16	33.5	23.38	16	33.5	K2	J	14	4259	E -26 3685
96		9.0R	57 18.245	-0.0023	20	-25 18 9.06	0.046	20	0.36	18.284	16	33.5	9.81	16	33.5	K0	J	14	4258	E -25 3880
97		9.0R	57 26.121	-0.0011	20	-26 36 26.01	0.019	20	0.36	26.139	16	33.5	26.32	16	33.5	G5	J	14	4262	E -26 3689
98		8.3R	57 27.962	-0.0006	18	-23 2 0.93	0.002	18	0.34	27.971	16	33.5	0.97	16	33.5	K2	J	14	4261	E -22 3825
99		9.1A	57 30.065	0.0011	20	-20 43 18.04	-0.019	15	0.33	30.047	16	33.5	17.72	16	33.5	K0	J	13A	2613	A -20 1663
00		6.2T	57 31.082	-0.0005	10	-21 31 57.73	-0.012	09	0.34	31.100	10	16.2	57.29	12	14.1	B8		GC	9205	-21 1689

172700

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	σ_μ ″.001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	CAT.	SOURCE STAR NUMBER	-20° 6H DM NUMBER
1		8.8R	6 57 32.886	-0.0018	20	-26 43 45.13	-0.003	20	0.36	32.916	16	33.5	45.07	16	33.5	K2 J	14	4263	E -26 3692
2		7.5T	57 35.683	-0.0005	14	-27 49 17.40	-0.009	13	0.73	35.707	21	99.4	16.93	19	98.8	A2	GC	9209K	C*-27 3489
3		9.3R	57 39.208	-0.0055	20	-25 37 25.78	0.146	20	0.36	39.299	16	33.5	28.18	16	33.5	G5 J	14	4265	E -25 3686
4		9.1R	57 42.347	-0.0019	20	-28 51 33.71	0.010	20	0.36	42.375	16	33.5	33.87	16	33.5	G0 J	136	3483	J -28 3690
5		9.1R	57 43.336	-0.0023	15	-22 10 27.34	0.022	15	0.29	43.373	16	33.5	27.70	16	33.5	K0 J	14	4264	E -22 3631
6		6.9T	57 45.674	-0.0011	13	-28 19 43.95	0.018	12	0.69	45.728	18	99.4	44.89	18	97.2	B5	GC	9214	C -28 3689
7		7.7T	57 46.603	0.0020	15	-29 38 7.54	-0.119	12	0.68	46.512	19	04.0	1.73	18	01.1	F5	GC	9216	C -29 3740
8		9.3R	57 47.071	-0.0020	21	-26 16 11.78	0.009	21	0.38	47.105	16	33.5	11.92	16	33.5	G5 M	14	4267	E -26 3697
9		9.4R	57 51.010	-0.0038	20	-27 14 32.59	0.033	20	0.36	51.072	16	33.5	33.13	16	33.5	F5 J	138	3486	J -27 3695
10		9.3R	57 51.558	-0.0004	12	-23 53 21.90	-0.013	12	0.25	51.564	16	33.5	21.68	16	33.5	A0 J	14	4268K	E -23 4714
11		8.7R	57 52.475	0.0010	20	-26 0 28.89	0.037	20	0.36	52.459	16	33.5	29.50	16	33.5	A2 J	14	4273	E -25 3892
12		9.4R	57 53.791	-0.0019	18	-24 36 44.13	0.025	18	0.34	53.823	16	33.5	44.55	16	33.5	A0 J	14	4271	E -24 4706
13		8.8R	57 54.664	-0.0032	20	-27 35 59.33	-0.048	20	0.36	54.717	16	33.5	58.53	16	33.5	G0 J	138	3488	J -27 3496
14		8.7R	57 56.134	-0.0001	13	-22 38 52.12	0.009	13	0.27	56.136	16	33.5	52.28	16	33.5	A0 J	14	4269	E -22 3839
15		8.4R	57 56.182	0.0001	18	-22 56 13.37	0.026	18	0.34	56.180	16	33.5	13.81	16	33.5	K0 J	14	4270	E -22 3841
16		8.9A	57 56.552	-0.0014	15	-20 32 28.80	0.025	12	0.27	56.575	16	33.5	29.20	16	33.5	A3 J	13A	2616	A -20 1666
17		9.3R	57 57.495	-0.0002	13	-22 9 58.82	0.019	13	0.27	57.498	16	33.5	59.13	16	33.5	K2 J	14	4272	E -22 3840
18		6.1T	57 58.175	-0.0024	12	-20 5 15.87	-0.011	10	0.57	58.288	19	02.3	15.31	18	98.1	B8	GC	9224	-19 1644
19		8.9R	57 59.086	-0.0004	20	-23 48 54.50	0.010	20	0.36	59.092	16	33.5	54.66	16	33.5	A0 J	14	4274	E -23 4717
20		8.9R	57 59.414	-0.0016	15	-26 23 18.71	0.012	12	0.27	59.441	16	33.5	18.90	16	33.5	G5 J	14	4277	E -26 3698
21		9.7R	58 0.851	0.0016	18	-24 29 52.73	-0.002	18	0.34	0.824	16	33.5	52.69	16	33.5	A5 J	14	4276	E -24 4707
22		8.7R	58 2.770	0.0013	18	-22 38 54.45	0.022	18	0.34	2.748	16	33.5	54.82	16	33.5	K0 J	14	4275	E -22 3842
23		9.0R	58 5.207	-0.0026	20	-27 6 52.70	-0.001	20	0.36	5.250	16	33.5	52.66	16	33.5	G5 J	138	3491	J -27 3499
24		8.9R	58 6.145	-0.0006	20	-28 6 16.19	0.011	20	0.36	6.155	16	33.5	16.36	16	33.5	F2 J	138	3492	J -28 3699
25		6.3T	58 11.836	-0.0008	22	-22 2 53.31	-0.020	18	1.00	11.876	19	02.7	52.34	19	01.7	B5	GC	9232K	-21 1695
26		9.5R	58 11.875	-0.0000	18	-24 13 6.78	-0.000	18	0.34	11.875	16	33.5	6.78	16	33.5	A0 J	14	4278	E -24 4710
27		8.5R	58 12.547	-0.0008	20	-27 43 43.67	0.018	20	0.36	12.561	16	33.5	43.96	16	33.5	B2 J	138	3495	J -27 3504
28		8.9R	58 15.436	-0.0014	18	-23 14 33.66	0.007	18	0.34	15.458	16	33.5	33.78	16	33.5	G5 M	14	4279	E -23 4724
29		8.5R	58 16.416	-0.0000	20	-28 32 8.30	0.049	20	0.36	16.417	16	33.5	9.12	16	33.5	A0 J	138	3498	J -28 3703
30		8.3R	58 20.579	0.0004	18	-26 28 34.46	-0.002	18	0.34	20.572	16	33.5	34.42	16	33.5	A0 J	14	4283	E -26 3705
31		9.1R	58 21.302	0.0015	18	-23 13 9.65	-0.007	18	0.34	21.276	16	33.5	9.54	16	33.5	K2 M	14	4281	E -23 4726
32		8.3R	58 21.312	-0.0004	15	-22 34 25.42	-0.007	15	0.29	21.318	16	33.5	25.31	16	33.5	K5 J	14	4280	E -22 3848
33		9.0R	58 21.780	0.0012	20	-29 43 43.66	0.036	20	0.36	21.760	16	33.5	44.26	16	33.5	A2 J	138	3502	J -29 3753
34		8.8R	58 22.994	0.0000	20	-29 20 15.82	-0.043	20	0.36	22.994	16	33.5	15.12	16	33.5	G5 J	138	3505	J -29 3755
35		6.7R	58 25.121	-0.0034	20	-27 41 7.09	0.008	20	0.36	25.177	16	33.5	7.21	16	33.5	A5 J	138	3504	J -27 3510
36		6.6T	58 25.667	0.0012	18	-20 34 6.26	0.019	17	0.83	25.612	22	05.1	7.12	21	03.7	A3	GC	9240K	B*-20 1670
37		9.3R	58 28.786	-0.0010	20	-23 2 29.78	0.010	20	0.36	28.802	16	33.5	29.95	16	33.5	B9 J	14	4284	E -22 3852
38		8.9R	58 28.981	-0.0004	20	-27 58 20.16	-0.033	20	0.36	28.989	16	33.5	19.61	16	33.5	K0 J	138	3508	J -27 3513
39		8.8R	58 30.421	0.0005	18	-24 33 23.96	0.004	18	0.34	30.413	16	33.5	24.03	16	33.5	B9 J	14	4287	E -24 4716
40		9.0R	58 30.954	-0.0003	18	-24 12 58.99	0.008	18	0.34	30.959	16	33.5	59.12	16	33.5	G5 J	14	4288	E -24 4715
41		9.2R	58 31.502	0.0007	18	-22 20 56.68	-0.002	18	0.34	31.491	16	33.5	56.65	16	33.5	K0 J	14	4285	E -22 3853
42		7.6A	58 32.035	0.0027	20	-20 36 15.03	-0.011	15	0.33	31.991	16	33.5	14.85	16	33.5	K0 J	13A	2629	A -20 1671
43		9.3R	58 33.838	-0.0011	20	-28 55 12.55	-0.012	20	0.36	33.857	16	33.5	12.36	16	33.5	A0 J	138	3510	J -28 3709
44		9.0R	58 35.127	-0.0009	18	-23 19 30.29	-0.027	18	0.34	35.142	16	33.5	29.85	16	33.5	K0 J	14	4289	E -23 4733
45		8.9R	58 36.358	-0.0017	18	-25 54 19.56	0.022	18	0.34	36.387	16	33.5	19.92	16	33.5	B9 J	14	4290	E -25 3901
46		9.1R	58 38.496	-0.0000	20	-29 9 50.95	0.038	20	0.36	38.497	16	33.5	51.59	16	33.5	F2 M	138	3511	J -29 3760
47		9.7R	58 38.830	-0.0018	18	-25 11 39.94	0.024	18	0.34	38.859	16	33.5	40.34	16	33.5	B9 J	14	4291	E -25 3903
48		8.3R	58 43.098	0.0015	18	-26 18 41.03	-0.102	18	0.34	43.072	16	33.5	39.34	16	33.5	G5 J	14	4292	E -22 3859
49		6.4T	58 43.908	-0.0008	11	-28 25 1.74	-0.036	11	0.62	43.950	17	95.7	59.80	17	96.5	F8	GC	9245	C -28 3711
50		7.5R	58 44.730	-0.0009	18	-25 34 19.44	0.007	18	0.34	44.746	16	33.5	19.55	16	33.5	B3 J	14	4295	E -25 3906
51		9.0R	6 58 44.917	0.0012	18	-22 32 44.30	0.000	18	0.34	44.896	16	33.5	44.31	16	33.5	K5 M	14	4294	E -22 3860
52		8.5R	58 45.360	-0.0024	20	-27 3 29.10	-0.010	20	0.36	45.399	16	33.5	28.93	16	33.5	A5 J	14	4297	E -26 3712
53		8.0T	58 45.431	0.0012	13	-26 1 17.80	0.011	16	0.74	45.373	21	00.4	18.33	21	01.3	B8	GC	9246	C -25 3907
54		8.7R	58 46.365	-0.0003	20	-27 52 46.43	-0.003	20	0.36	46.370	16	33.5	46.37	16	33.5	B9 J	138	3513	J -27 3518
55		8.0R	58 47.788	-0.0017	20	-27 42 8.04	0.011	20	0.36	47.817	16	33.5	8.21	16	33.5	K2 J	138	3514	J -27 3520
56		8.6R	58 49.684	-0.0030	20	-26 53 15.83	0.022	20	0.36	49.734	16	33.5	16.19	16	33.5	B9 J	14	4299	E -26 3714
57		8.0R	58 49.907	-0.0021	18	-24 25 4.97	-0.008	18	0.34	49.941	16	33.5	4.83	16	33.5	A3 J	14	4298	E -24 4720
58		9.1R	58 55.879	-0.0022	18	-27 27 8.70	0.026	18	0.34	55.915	16	33.5	9.13	16	33.5	B8 J	14	4300	E -27 3965
59		8.2A	58 56.802	-0.0005	20	-21 53 36.52	0.035	15	0.33	56.811	16	33.5	37.09	16	33.5	F8 J	13A	2633	A -21 1701
60		8.6R	58 57.678	-0.0002	18	-22 56 43.04	-0.027	18	0.34	57.682	16	33.5	42.60	16	33.5	G5 J	14	4301	E -22 3867
61		9.5R	59 0.299	-0.0009	20	-23 0 20.11	-0.007	20	0.36	0.314	16	33.5	19.99	16	33.5	K5 M	14	4302	E -22 3869
62		8.6R	59 0.598	-0.0000	20	-26 53 2.37	0.012	20	0.36	0.598	16	33.5	2.56	16	33.5	A0 J	14	4305	E -26 3718
63		5.8T	59 2.539	-0.0009	06	-25 8 36.31	0.019	06	0.26	2.578	07	09.5	37.09	07	10.1	B3	GC	9253	C*-25 3911
64		9.1A	59 5.909	0.0018	17	-20 30 0.89	0.015	13	0.30	5.880	16	33.5	1.12	16	33.5	B9 J	13A	2636	A*-20 1675
65		8.8A	59 6.554	0.0007	15	-21 13 41.02	-0.009	11	0.26	6.543	16	33.5	40.86	16	33.5	G5 J	13A	2637	A -21 1702
66		9.8R	59 7.304	0.0012	20	-22 40 56.24	-0.005	20	0.36	7.283	16	33.5	56.17	16	33.5	G0 M	14	4306	E -22 3870
67		9.2R	59 8.612	0.0009	17	-28 37 59.63	-0.032	17	0.31	8.598	16	33.5	59.31	16	33.5	G0 J	138	3518	J -28 3717
68		6.7T	59 10.598	0.0149	09	-25 52 37.25	0.038	08	0.50	9.794	15	95.9	39.43	17	92.3	K0	GC	9256	C -25 3913
69		9.2R	59 11.402	-0.0003	15	-25 9 27.75	-0.002	15	0.29	11.406	16	33.5	27.71	16	33.5	K2 M	14	4310	E -25 3914
70		9.5R	59 11.893	-0.0001	18	-22 30 20.17	-0.014	18	0.34	11.894	16	33.5	19.95	16	33.5	B9 J	14	4307	E -22 3871
71		9.3R	59 12.266	-0.0034	20	-25 34 35.58	0.015	20	0.36	12.322	16	33.5	35.82	16	33.5	G5 M	14	4313	E -25 3918
72		8.5R	59 12.294	-0.0019	15	-27 36 54.47	0.022	12	0.27	12.326	16	33.5	54.82	16	33.5	B3 J	138	3519	J -27 3532
73		9.7R	59 14.706	-0.0001	20	-23 9 0.49	0.020	20	0.36	14.708	16	33.5	0.83	16	33.5	A0 M	14	4311	E -23 4734
74		8.5R	59 16.090	-0.0012	17	-23 7 3.67	0.016	17	0.31	16.109	16	33.5	3.94	16	33.5	K0 J	14	4314	E -23 4736
75		9.6R	59 16.794	-0.0023	20	-22 9 44.67	0.013	20	0.36	16.832	16	33.5	44.88	16	33.5	K M	14	4312	E -22 3874
76		9.2R	59 18.207	0.0002	20	-25 8 1.86	-0.029	20	0.36	18.203	16	33.5	1.38	16	33.5	B9 J	14	4316	E -25 3919
77		9.5R	59 22.828	0.0091	18	-26 28 46.36	0.055	18	0.34	22.678	16	33.5	47.26	16	33.5	A0 J	14	4321	E -26 3727
78		8.7R	59 22.993	-0.0010	20	-28 58 59.27	0.072	20	0.36	23.009	16	33.5	+ 0.47	16	33.5	A0 J	138	3523K	J -28 3727
79		9.3R	59 23.166	-0.0005	13	-22 29 24.06	0.023	13	0.27	23.175	16	33.5	24.44	16	33.5	B5 M	14	4317	E -22 3880
80		9.0R	59 25.131	-0.0010	18	-22 35 19.91	-0.003	18	0.34	25.147	16	33.5	19.87	16	33.5	G5 J	14	4319	E -22 3882
81		8.2R	59 25.756	-0.0021	17	-29 39 22.11	-0.020	17	0.31	25.790	16	33.5	21.78	16	33.5	K0 J	138	3525	J -29 3780
82		9.6R	59 26.722	0.0021	20	-22 35 14.27	-0.016	20	0.36	26.687	16	33.5	14.02	16	33.5	G0 M	14	4320	E -22 3884
83		8.5R	59 27.400	-0.0020	20	-26 53 19.83	0.051	20	0.36	27.432	16	33.5	20.67	16	33.5	K0 J	14	4325	E -26 3731
84		8.5R	59 28.661	0.0017	20	-25 27 40.50	0.015	20	0.36	28.632	16	33.5	40.74	16	33.5	K0 J	14	4323	E -25 3923
85		9.5R	59 30.683	0.0026	20	-22 49 41.44	0.004	00	0.28	30.640	16	33.5	41.51	16	33.5	A7 M	14	4322	E*-22 3886
86		8.1R	59 32.345	-0.0004	15	-27 47 12.28	-0.004	15	0.29	32.353	16	33.5	12.21	16	33.5	A2 J	138	3527	J -27 3539
87		9.4R	59 32.939	0.0017	20	-22 49 58.36	0.027	20	0.36	32.911	16	33.5	58.80	16	33.5	K M	14	4324	E -22 3886
88		6.7T	59 32.983	-0.0007	13	-27 9 1.37	-0.001	12	0.68	33.019	21	99.0	1.30	19	96.7	B0	GC	9271	C -27 3540
89		7.7R	59 33.893	0.0003	18	-23 25 43.19	0.007	18	0.34	33.888	16	33.5	43.31	16	33.5	K5 J	14	4326	E -23 4763
90		8.5R	59 35.136	-0.0018	15	-25 32 48.15	0.019	15	0.29	35.166	16	33.5	48.46	16	33.5	A5 J	14	4329	E -25 3927
91		9.5R	59 36.049	-0.0032	20	-22 37 33.96	0.014	20	0.36	36.103	16	33.5	34.20	16	33.5	B9 J	14	4328	E -22 3888
92		8.8A	59 38.116	-0.0001	18	-20 52 48.89	0.028	13	0.31	38.118	16	33.5	49.15	16	33.5	K5 J	13A	2643	A -20 1682
93		9.0R	59 39.754	-0.0021	20	-29 18 36.44	-0.007	20	0.36	39.789	16	33.5	36.32	16	33.5	A2 J	138	3532	J -29 3787
94		8.3R	59 40.106	-0.0005	15	-23 1 58.16	-0.012	15	0.29	40.114	16	33.5	57.97	16	33.5	A0 J	14	4330	E -22 3889
95		9.4R	59 41.464	-0.0046	20	-27 31 8.30	-0.011	20	0.36	41.540	16	33.5	8.11	16	33.5	F8 J	138	3531	J -27 3543
96		8.3R	59 41.968	-0.0009	18	-23 23 9.65	0.031	18	0.34	41.983	16	33.5	10.17	16	33.5	B8 J	14	4331	E -23 4766
97		3.7H	59 43.581	-0.0006	02	-27 51 43.32	0.002	02	0.07	43.602	04	14.5	43.40	04	12.5	K5	F4	1183	C -27 3544
98		8.4R	59 47.112	0.0019	18	-23 14 9.81	0.012	18	0.34	47.080	16	33.5	10.02	16	33.5	G5 J	14	4332	E -23 4767
99		8.4R	59 48.309	0.0015	20	-27 37 44.81	-0.001	20	0.36	48.284	16	33.5	44.79	16	33.5	K0 J	138	3534	J -27 3545
00		8.5A	59 50.704	-0.0006	18	-21 17 14.22	-0.038	13	0.31	50.714	16	33.5	13.58	16	33.5	G0 J	13A	2645	A -21 1706

172800 — EPOCH 1950 — ORIGINAL EPOCH — -20° 6H

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	CAT.	STAR NUMBER	DM NUMBER
1		8.9R	6 59 53.514	-0.0001	17	-26 56 9.93	-0.007	17	0.31	53.516	16	33.5	9.81	16	33.5	A0 M	14	4337	E -26 3740
2		7.7R	59 55.537	-0.0008	20	-26 37 10.39	0.044	20	0.36	55.550	16	33.5	11.11	16	33.5	A0 J	14	4339	E -26 3743
3		9.2R	59 55.902	-0.0006	20	-26 12 9.82	0.011	20	0.36	55.913	16	33.5	9.99	16	33.5	B9 J	14	4338	E -26 3741
4		9.5R	59 56.729	0.0031	15	-24 37 9.98	0.012	15	0.29	56.679	16	33.5	10.18	16	33.5	A3 J	14	4336	E -24 4749
5		8.4R	59 57.115	-0.0023	20	-26 25 49.86	0.015	20	0.36	57.153	16	33.5	50.10	16	33.5	B8 J	14	4341	E -26 3742
6		8.5R	59 57.643	-0.0023	18	-25 38 19.68	-0.030	18	0.34	57.682	16	33.5	19.18	16	33.5	F5 J	14	4340	E -25 3941
7		8.9R	7 0 1.899	-0.0024	17	-26 29 40.26	0.029	17	0.31	1.938	16	33.5	40.73	16	33.5	B9 J	14	4344	E -26 3745
8		8.4R	0 2.904	-0.0025	18	-23 25 27.81	0.004	18	0.34	2.944	16	33.5	27.88	16	33.5	G5 J	14	4342	E -23 4773
9		9.1R	0 4.051	0.0001	18	-24 27 44.71	-0.009	18	0.34	4.049	16	33.5	44.55	16	33.5	G5 J	14	4343	E -24 4750
10		9.0R	0 5.546	0.0015	17	-28 59 39.17	-0.013	17	0.31	5.522	16	33.5	38.96	16	33.5	M M	13B	3540	J -28 3740
11		9.1R	0 6.295	-0.0005	20	-28 57 1.65	0.032	20	0.36	6.304	16	33.5	2.19	16	33.5	K M	13B	3541	J -28 3741
12		9.8R	0 6.353	0.0014	20	-24 21 10.66	0.050	20	0.36	6.330	16	33.5	11.48	16	33.5	A5 M	14	4346	E -24 4751
13		8.7R	0 7.132	0.0027	20	-28 50 45.86	-0.080	20	0.36	7.088	16	33.5	44.53	16	33.5	F5 J	13B	3542	J -28 3739
14		9.7R	0 8.100	-0.0005	13	-22 35 14.04	0.023	13	0.27	8.108	16	33.5	14.43	16	33.5	G0 M	14	4345	E -22 3900
15		9.4R	0 8.395	-0.0025	18	-24 11 41.71	-0.027	18	0.34	8.436	16	33.5	41.26	16	33.5	G5 J	14	4347	E -24 4752
16		8.3R	0 13.080	-0.0011	20	-28 34 11.88	0.007	20	0.36	13.099	16	33.5	12.01	16	33.5	K0 J	13B	3543	J -28 3743
17		9.2R	0 16.350	0.0020	20	-22 25 21.56	0.018	20	0.36	16.317	16	33.5	21.85	16	33.5	F5 M	14	4348	E -22 3901
18		8.6A	0 16.529	0.0005	18	-21 39 39.43	-0.015	13	0.31	16.521	16	33.5	39.18	16	33.5	A2 J	13A	2646	A -21 1710
19		8.7R	0 17.624	0.0016	18	-24 0 55.87	0.039	18	0.34	17.597	16	33.5	56.51	16	33.5	K2 J	14	4349	E -23 4776
20		9.2R	0 19.971	-0.0032	20	-26 27 28.27	0.039	20	0.36	20.023	16	33.5	28.91	16	33.5	B9 J	14	4350	E -26 3752
21		7.7R	0 21.035	0.0003	20	-28 12 28.62	-0.019	20	0.36	21.030	16	33.5	28.30	16	33.5	B8 J	13B	3544	J -28 3844
22		8.7R	0 21.386	-0.0035	20	-28 16 55.67	-0.002	20	0.36	21.443	16	33.5	55.63	16	33.5	K M	13B	3545	J -28 3747
23		9.3R	0 21.711	-0.0014	20	-26 40 35.78	0.011	20	0.36	21.735	16	33.5	35.96	16	33.5	B8 J	14	4351	E -26 3755
24		9.0R	0 23.173	-0.0027	20	-28 43 43.99	0.051	20	0.36	23.218	16	33.5	44.84	16	33.5	G M	13B	3546	J -28 3748
25		8.3R	0 24.468	-0.0081	15	-25 6 58.63	0.049	12	0.27	24.601	16	33.5	59.43	16	33.5	K0 J	14	4354	E -25 3948
26		9.0R	0 25.161	-0.0004	18	-24 48 11.12	0.003	18	0.34	25.168	16	33.5	11.17	16	33.5	B8 J	14	4353	E -24 4755
27		9.0R	0 25.935	-0.0001	20	-29 36 4.56	-0.017	20	0.36	25.937	16	33.5	4.29	16	33.5	A2 J	13B	3547	J -29 3807
28		8.9R	0 26.567	-0.0020	18	-23 13 45.42	0.023	18	0.34	26.600	16	33.5	45.81	16	33.5	F2 J	14	4352	E -23 4781
29		8.9A	0 28.203	-0.0010	17	-21 1 40.52	0.013	13	0.30	28.220	16	33.5	40.73	16	33.5	A2 J	13A	2648	A*-20 1687
30		9.0A	0 32.513	0.0004	18	-21 57 6.56	0.004	13	0.31	32.507	16	33.5	6.63	16	33.5	K0 J	13A	2650	A -21 1713
31		9.2R	0 32.945	-0.0010	20	-26 15 56.95	0.010	20	0.36	32.962	16	33.5	57.11	16	33.5	A0 J	14	4355	E -26 3762
32		8.8A	0 33.795	-0.0014	18	-21 24 39.99	-0.000	13	0.31	33.818	16	33.5	39.99	16	33.5	B9 J	13A	2651	A -21 1714
33		9.0A	0 35.586	-0.0011	17	-20 2 20.15	0.031	13	0.30	35.604	16	33.5	20.67	16	33.5	K0 J	13A	2652	A -19 1658
34		9.0A	0 40.033	-0.0008	18	-20 15 0.24	0.019	13	0.31	40.046	16	33.5	0.56	16	33.5	B9 J	13A	2653	A -20 1689
35		9.1R	0 45.411	-0.0017	15	-23 35 22.57	0.003	15	0.29	45.440	16	33.5	22.61	16	33.5	K0 J	14	4357	E -23 4793
36		9.0R	0 45.618	-0.0018	20	-26 10 7.39	0.007	20	0.36	45.648	16	33.5	7.50	16	33.5	B8 J	14	4359	E -26 3770
37		7.0T	0 50.338	0.0012	22	-24 30 33.76	-0.003	22	1.06	50.262	19	03.6	33.63	21	03.6	A0	GC	9300	C -24 4761
38		8.4A	0 54.800	-0.0001	20	-20 40 42.26	-0.007	15	0.33	54.803	16	33.5	42.14	16	33.5	B9 J	13A	2656	A -20 1691
39		3.1H	0 56.142	-0.0005	02	-23 45 32.46	-0.001	02	0.07	56.156	04	22.0	32.43	04	21.6	B5P	F4	270	C -23 4795
40		7.8R	0 57.045	-0.0003	15	-24 9 30.70	-0.017	15	0.29	57.050	16	33.5	30.41	16	33.5	K0 J	14	4362	E -24 4765
41		9.0R	0 59.415	-0.0022	20	-28 32 50.96	-0.060	20	0.36	59.452	16	33.5	49.98	16	33.5	A0 J	13B	3549	J -28 3764
42		8.3R	1 0.265	-0.0024	15	-22 44 31.99	0.001	15	0.29	0.304	16	33.5	32.02	16	33.5	K0 J	14	4363	E -22 3920
43		8.3A	1 1.775	0.0001	18	-21 21 55.74	-0.002	13	0.31	1.773	16	33.5	55.70	16	33.5	K5 J	13A	2657	A -21 1718
44		8.3R	1 2.356	-0.0009	18	-25 14 58.93	0.023	18	0.34	2.371	16	33.5	59.30	16	33.5	K0 J	14	4364	E -25 3962
45		9.2R	1 4.865	-0.0008	15	-26 24 55.29	-0.005	15	0.29	4.878	16	33.5	55.20	16	33.5	G0 J	14	4368	E -26 3774
46		8.5R	1 6.190	-0.0005	15	-22 29 29.79	-0.035	15	0.29	6.198	16	33.5	29.21	16	33.5	K0 J	14	4365	E -22 3923
47		9.2R	1 6.559	-0.0006	15	-22 33 44.49	0.005	15	0.29	6.568	16	33.5	44.58	16	33.5	K2 J	14	4366	E -22 3926
48		9.1R	1 8.367	-0.0020	15	-27 35 45.47	0.009	15	0.29	8.401	16	33.5	45.61	16	33.5	B9 J	13B	3552	J -27 3570
49		8.9R	1 8.726	0.0009	18	-22 58 45.87	0.008	18	0.34	8.710	16	33.5	46.01	16	33.5	G5 J	14	4367	E -22 3928
50		8.4R	1 9.647	0.0013	20	-27 59 26.47	0.007	20	0.36	9.626	16	33.5	26.58	16	33.5	A2 J	13B	3553	J -27 3571
51		9.1R	7 1 11.176	0.0020	20	-23 41 9.37	0.017	20	0.36	11.143	16	33.5	9.64	16	33.5	G5 M	14	4369	E -23 4800
52		9.0A	1 12.088	-0.0024	20	-20 35 25.23	0.017	15	0.33	12.128	16	33.5	25.50	16	33.5	M0 J	13A	2661	A -20 1693
53		9.3R	1 12.506	-0.0001	18	-24 16 15.90	-0.005	18	0.34	12.508	16	33.5	15.81	16	33.5	B9 J	14	4370	E -24 4773
54		9.2R	1 16.192	0.0019	18	-24 14 33.25	0.002	18	0.34	16.161	16	33.5	33.28	16	33.5	K5 J	14	4372	E -24 4774
55		8.4R	1 17.002	-0.0022	12	-22 29 42.53	0.033	12	0.25	17.038	16	33.5	43.07	16	33.5	G0 J	14	4371	E -22 3932
56		9.0R	1 17.485	0.0008	18	-25 47 41.14	-0.001	18	0.34	17.472	16	33.5	41.12	16	33.5	A0 J	14	4374	E -25 3965
57		8.5R	1 18.136	0.0001	15	-23 34 51.80	-0.027	15	0.29	18.133	16	33.5	51.35	16	33.5	K2 J	14	4373	E -23 4802
58		8.9R	1 19.156	0.0012	15	-26 2 8.41	0.016	15	0.29	19.136	16	33.5	8.67	16	33.5	F0 J	14	4377	E -25 3969
59		8.9R	1 19.288	-0.0008	18	-25 23 59.78	0.041	18	0.34	19.301	16	33.5	+ 0.45	16	33.5	K2 M	14	4375	E -25 3967
60		9.0R	1 22.757	0.0004	15	-23 29 45.73	0.020	15	0.29	22.749	16	33.5	46.07	16	33.5	G5 M	14	4378	E -23 4804
61		9.6R	1 23.118	0.0026	20	-23 5 23.79	-0.025	20	0.36	23.075	16	33.5	23.39	16	33.5	G5 M	14	4376	E -22 3937
62		8.9R	1 26.100	-0.0055	18	-25 41 1.43	0.014	15	0.32	26.191	16	33.5	1.65	16	33.5	A0 J	14	4379	E -25 3972
63		8.6R	1 27.863	-0.0020	20	-27 1 49.12	0.036	20	0.36	27.897	16	33.5	49.71	16	33.5	A2 J	14	4381	E -26 3784
64		8.4A	1 29.511	0.0001	18	-21 50 35.37	-0.000	13	0.31	29.509	16	33.5	35.37	16	33.5	F5 J	13A	2665	A -21 1721
65		9.0R	1 31.465	-0.0030	20	-26 56 4.26	-0.015	20	0.36	31.515	16	33.5	4.01	16	33.5	K2 M	14	4383	E -26 3786
66		9.0R	1 33.666	0.0008	18	-22 52 46.75	0.044	18	0.34	33.652	16	33.5	47.48	16	33.5	F8 J	14	4380	E -22 3939
67		9.0R	1 33.930	0.0018	15	-24 12 8.60	0.041	15	0.29	33.900	16	33.5	9.27	16	33.5	K0 M	14	4382	E -24 4782
68		8.7A	1 34.787	-0.0024	18	-20 20 38.40	0.023	13	0.31	34.827	16	33.5	38.79	16	33.5	A3 J	13A	2666	A -20 1698
69		8.7R	1 34.975	-0.0011	12	-28 45 50.57	0.007	12	0.25	34.994	16	33.5	50.70	16	33.5	B9 J	13B	3555	J -28 3779
70		9.2R	1 38.468	0.0012	20	-24 5 51.21	-0.007	20	0.36	38.448	16	33.5	51.09	16	33.5	B9 M	14	4384	E -24 4783
71		9.0A	1 39.144	-0.0038	15	-21 33 55.00	0.026	12	0.27	39.207	16	33.5	55.43	16	33.5	K5 J	13A	2667	A -21 1724
72		7.0T	1 39.258	-0.0008	18	-25 0 31.92	-0.005	22	0.95	39.297	19	04.0	31.67	21	05.3	B3	GC	9324	C*-24 4785
73		8.4R	1 40.202	-0.0001	20	-24 14 8.03	0.023	20	0.36	40.204	16	33.5	8.40	16	33.5	B9 J	14	4385	E -24 4786
74		8.6R	1 40.666	-0.0007	20	-28 56 34.28	0.027	20	0.36	40.680	16	33.5	34.72	16	33.5	K0 J	13B	3556	J -28 3782
75		9.5R	1 42.848	-0.0027	20	-26 56 40.45	0.000	20	0.36	42.894	16	33.5	40.46	16	33.5	K0 M	14	4387	E -24 4788
76		8.1R	1 44.508	-0.0008	15	-25 34 40.97	0.023	15	0.29	44.521	16	33.5	41.34	16	33.5	B5 J	14	4388	E -25 3976
77		9.1A	1 45.106	-0.0007	15	-20 37 23.64	-0.007	12	0.27	45.118	16	33.5	23.52	16	33.5	F0 J	13A	2668	A -20 1699
78		8.6R	1 48.842	-0.0007	20	-26 34 0.55	0.023	20	0.36	48.853	16	33.5	0.92	16	33.5	K0 J	14	4390	E -26 3797
79		9.3R	1 50.339	-0.0030	20	-28 47 2.40	0.018	20	0.36	50.409	16	33.5	2.71	16	33.5	G0 M	13B	3558	J -28 3784
80		8.7R	1 52.277	0.0008	13	-22 14 13.65	-0.013	13	0.27	52.264	16	33.5	13.43	16	33.5	G5 J	14	4389	E -22 3944
81		8.9R	1 52.507	-0.0027	20	-29 18 43.95	0.010	20	0.36	52.552	16	33.5	44.11	16	33.5	A0 J	13B	3560	J -29 3840
82		8.8A	1 52.742	0.0005	20	-21 41 52.09	-0.023	15	0.33	52.734	16	33.5	51.71	16	33.5	B8 J	13A	2669	A -21 1726
83		9.0R	1 52.966	-0.0053	20	-29 15 36.36	0.000	20	0.36	53.054	16	33.5	36.37	16	33.5		13B	3561	J -29 3839
84		8.5R	1 56.577	-0.0002	20	-26 40 35.81	-0.023	20	0.36	56.581	16	33.5	35.42	16	33.5	K0 J	14	4393	E -26 3799
85		8.4R	1 57.702	-0.0000	20	-26 56 37.26	-0.012	20	0.36	57.702	16	33.5	37.06	16	33.5	A0 J	14	4394	E -26 3800
86		8.5R	1 57.746	-0.0001	20	-27 25 47.62	0.053	20	0.36	57.748	16	33.5	48.49	16	33.5	B8 J	13B	3564	J -27 3589
87		8.9R	1 59.078	0.0017	15	-23 54 25.28	-0.015	15	0.29	59.050	16	33.5	25.03	16	33.5	G5 M	14	4392	E -23 4821
88		9.3R	2 1.354	-0.0011	21	-26 24 10.87	-0.011	21	0.38	1.372	16	33.5	10.68	16	33.5	G M	14	4397	E -26 3801
89		8.9R	2 1.684	0.0017	20	-25 36 11.79	0.001	20	0.36	1.656	16	33.5	11.80	16	33.5	G0 J	14	4395	E -25 3985
90		7.9A	2 4.801	-0.0000	18	-21 11 25.64	-0.024	12	0.30	4.801	16	33.5	25.24	16	33.5	A0 J	13A	2673	A -21 1727
91		8.3A	2 5.058	-0.0010	20	-21 21 41.96	0.009	15	0.33	5.075	16	33.5	42.10	16	33.5	A2 J	13A	2674	A -21 1728
92		9.3R	2 5.595	0.0015	18	-25 43 0.79	-0.013	18	0.34	5.570	16	33.5	0.57	16	33.5	K2 J	14	4399	E -25 3986
93		9.2R	2 5.739	-0.0008	15	-23 8 43.57	-0.012	15	0.29	5.752	16	33.5	43.38	16	33.5	G M	14	4396	E -23 4822
94		9.1R	2 7.471	-0.0060	20	-23 9 31.64	-0.001	20	0.36	7.570	16	33.5	31.63	16	33.5	G0 J	14	4398	E -23 4824
95		9.0R	2 9.499	-0.0010	18	-25 6 36.88	-0.025	18	0.34	9.516	16	33.5	36.46	16	33.5	K0 M	14	4402	E -24 4798
96		8.8R	2 10.681	-0.0009	20	-22 40 30.86	0.008	20	0.36	10.697	16	33.5	31.00	16	33.5	K0 J	14	4400	E -22 3952
97		9.8R	2 11.965	-0.0050	20	-22 22 1.66	0.013	20	0.36	12.048	16	33.5	1.87	16	33.5	G M	14	4401	E -22 3951
98		8.5R	2 12.181	0.0013	20	-29 1 40.05	0.021	20	0.36	12.160	16	33.5	40.41	16	33.5	K0 J	13B	3566	J -28 3793
99		9.6R	2 12.810	-0.0012	20	-22 41 0.06	0.018	20	0.36	12.829	16	33.5	0.37	16	33.5	G M	14	4403	E -22 3953
00		9.3R	2 14.119	-0.0011	20	-24 7 49.16	0.023	20	0.36	14.137	16	33.5	49.53	16	33.5	F8 M	14	4404	E -24 4802

172900 — EPOCH 1950 — ORIGINAL EPOCH — -20° 7H

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.		SOURCE CAT.	SOURCE STAR NUMBER	DM NUMBER
1		9.5R	7 2 17.041	0.0011	18	-26 50 47.91	0.018	18	0.34	17.023	16	33.5	48.20	16	33.5	K0	J	14	4405	E -26 3807
2		9.5R	2 23.717	0.0020	20	-22 23 49.34	0.006	20	0.36	23.683	16	33.5	49.44	16	33.5	G5	M	14	4406	E -22 3956
3		8.6R	2 25.571	-0.0029	20	-28 49 12.02	0.068	20	0.36	25.620	16	33.5	13.15	16	33.5	G0	J	13B	3570	J -28 3796
4		9.5R	2 29.954	-0.0010	20	-26 5 35.79	-0.015	20	0.36	29.970	16	33.5	30.33	16	33.5	A0	J	13B	3572	J -27 3597
5		9.6R	2 30.868	-0.0009	20	-22 47 32.04	0.018	20	0.36	30.883	16	33.5	32.34	16	33.5	A3	M	14	4408	E -22 3959
6		6.2T	2 39.233	0.0011	06	-21 57 18.18	-0.060	08	0.27	39.193	07	12.2	15.95	07	12.9	K0		GC	9351	-21 1732
7		8.9R	2 41.111	0.0022	12	-27 25 52.13	0.012	12	0.25	41.075	16	33.5	52.32	16	33.5	G0	J	13B	3575	J -27 3600
8		9.2R	2 41.440	-0.0008	20	-29 37 39.57	-0.091	20	0.36	41.453	16	33.5	38.08	16	33.5	G5	J	13B	3577	J -29 3852
9		9.0R	2 43.392	-0.0012	20	-29 37 0.94	-0.004	20	0.36	43.411	16	33.5	0.88	16	33.5	K0	M	13B	3578	J -29 3853
10		9.5R	2 43.692	0.0005	18	-27 4 17.45	0.006	18	0.34	43.684	16	33.5	17.54	16	33.5	B9	J	14	4410	E -26 3817
11		7.1A	2 44.276	-0.0000	18	-20 45 12.89	0.003	13	0.31	44.277	16	33.5	12.93	16	33.5	K2	J	13A	2879	A -20 1706
12		8.7A	2 46.842	0.0005	18	-20 58 45.18	0.037	13	0.31	46.834	16	33.5	45.78	16	33.5	A3	J	13A	2881	A -20 1707
13		9.3R	2 47.021	-0.0016	20	-27 40 31.77	0.028	20	0.36	47.047	16	33.5	32.22	16	33.5	A0	J	13B	3580	J -27 3602
14		8.8R	2 47.605	0.0001	20	-27 22 44.94	0.016	20	0.36	47.603	16	33.5	45.20	16	33.5	G5	M	13B	3581	J -27 3603
15		9.0R	2 49.514	0.0018	20	-27 16 18.97	-0.009	20	0.36	49.485	16	33.5	18.82	16	33.5	F0	M	13B	3583	J -27 3604
16		9.2R	2 52.183	-0.0014	20	-27 20 27.85	0.025	20	0.36	52.205	16	33.5	28.26	16	33.5	F0	M	13B	3584	J -27 3605
17		8.7R	2 52.520	-0.0032	15	-26 32 3.09	0.003	12	0.27	52.572	16	33.5	3.13	16	33.5	B9	J	14	4411	E -26 3820
18		8.4R	2 53.951	-0.0011	20	-27 22 27.42	-0.051	20	0.36	53.970	16	33.5	26.57	16	33.5	G5	J	13B	3585	J -27 3607
19		8.8A	2 55.252	0.0005	20	-21 32 8.10	-0.011	15	0.33	55.243	16	33.5	7.92	16	33.5	K7	J	13A	2885	A -21 1737
20		7.0A	2 55.358	-0.0023	18	-20 7 32.33	0.017	13	0.31	55.396	16	33.5	32.61	16	33.5	K0	J	13A	2883	A -19 1677
21		8.3A	2 57.335	0.0005	18	-20 38 33.92	0.006	13	0.31	57.327	16	33.5	34.02	16	33.5	G5	J	13A	2886	A -20 1709
22		6.8T	2 57.673	0.0015	14	-21 22 27.06	0.013	22	0.83	57.604	05	0.0	27.59	21	08.1	K0		GC	9357	-21 1738
23		9.3R	2 58.209	0.0025	18	-23 51 39.52	-0.012	18	0.34	58.167	16	33.5	39.31	16	33.5	K2	M	14	4412	E -23 4846
24		9.2R	2 58.526	-0.0023	15	-25 5 30.50	-0.017	15	0.29	58.563	16	33.5	30.21	16	33.5	K5	M	14	4413	E -24 4815
25		8.3R	2 59.380	-0.0008	18	-27 2 14.63	0.021	18	0.34	59.393	16	33.5	14.97	16	33.5	A0	J	14	4415	E -26 3824
26		8.4R	3 3.231	-0.0010	18	-25 1 25.23	0.024	18	0.34	3.248	16	33.5	25.62	16	33.5	B8	J	14	4417	E -24 4820
27		9.1R	3 3.354	-0.0010	18	-24 29 19.59	-0.170	18	0.34	3.371	16	33.5	16.78	16	33.5	G5	J	14	4416	E -24 4818
28		8.9R	3 3.376	-0.0002	18	-26 30 3.59	0.003	00	0.26	3.379	16	33.5	3.64	16	33.5	A5	J	14	4418	E -26 3825
29		9.3R	3 4.839	0.0028	20	-22 59 2.11	0.016	20	0.36	4.793	16	33.5	2.36	16	33.5	F5	M	14	4414	E -22 3973
30		8.8R	3 13.477	0.0057	20	-25 43 15.62	0.012	20	0.36	13.382	16	33.5	15.81	16	33.5	G5	J	14	4420	E -25 4008
31		9.0A	3 16.254	0.0003	20	-20 19 53.49	0.003	15	0.33	16.250	16	33.5	53.54	16	33.5	A0	J	13A	2889	A -20 1711
32		9.0R	3 17.461	-0.0016	18	-25 53 5.17	0.001	18	0.34	17.487	16	33.5	5.18	16	33.5	F0	J	14	4421	E -25 4011
33		8.9R	3 21.558	-0.0016	20	-29 8 19.62	-0.014	20	0.36	21.586	16	33.5	19.40	16	33.5	A0	M	13B	3590	J -29 3868
34		9.0R	3 24.408	-0.0026	18	-26 1 6.46	0.030	18	0.34	24.451	16	33.5	6.95	16	33.5	F2	J	14	4426	E -25 4014
35		8.8R	3 24.980	0.0019	13	-29 7 14.39	-0.002	13	0.27	24.948	16	33.5	14.35	16	33.5	A0	M	13B	3591	J -28 3821
36		9.4R	3 25.177	-0.0032	18	-24 45 19.18	0.021	18	0.34	25.230	16	33.5	19.53	16	33.5	F8	M	14	4425	E -24 4830
37		8.8R	3 25.507	-0.0018	18	-23 8 13.94	-0.010	18	0.34	25.536	16	33.5	13.79	16	33.5	G5	J	14	4423	E -23 4856
38		8.4T	3 31.145	-0.0012	18	-28 59 34.24	-0.011	20	0.91	31.200	19	02.3	33.75	21	03.4	A0		GC	9372	C -28 3824
39		8.7R	3 32.081	-0.0009	15	-26 10 43.99	-0.004	15	0.29	32.097	16	33.5	43.92	16	33.5	G5	J	14	4429	E -26 3836
40		8.5A	3 32.123	-0.0019	20	-20 42 54.82	0.004	15	0.33	32.154	16	33.5	54.88	16	33.5	B8	J	13A	2894	A -20 1714
41		9.0R	3 32.352	-0.0006	15	-25 1 54.60	0.002	15	0.29	32.361	16	33.5	54.64	16	33.5	M5	M	14	4428	E -24 4835
42		8.3R	3 38.266	-0.0017	12	-25 55 11.89	0.020	12	0.25	38.295	16	33.5	12.21	16	33.5	K0	J	14	4431	E -25 4019
43		9.1R	3 38.336	-0.0015	18	-24 29 33.66	0.007	18	0.34	38.361	16	33.5	33.77	16	33.5	A0	J	14	4430	E -24 4839
44		9.2A	3 39.380	-0.0003	15	-21 52 15.60	-0.018	13	0.28	39.384	16	33.5	15.30	16	33.5			13A	2897	A -21 1743
45		9.1R	3 40.117	-0.0015	20	-28 28 46.96	0.004	20	0.36	40.142	16	33.5	47.02	16	33.5	A0	J	13B	3596	J -28 3825
46		8.4R	3 40.904	-0.0011	20	-27 13 5.12	-0.008	20	0.36	40.923	16	33.5	4.98	16	33.5	B8	J	13B	3595	J -27 3620
47		8.6R	3 42.189	-0.0004	18	-24 55 49.33	-0.010	18	0.34	42.196	16	33.5	49.17	16	33.5	B8	J	14	4432	E -24 4841
48		8.6R	3 42.328	-0.0015	15	-26 11 7.54	-0.018	15	0.29	42.352	16	33.5	7.24	16	33.5	G0	J	14	4434	E -26 3840
49		9.1R	3 42.470	-0.0042	20	-25 11 58.32	0.005	20	0.36	42.539	16	33.5	58.39	16	33.5	G5	M	14	4433	E -25 4020
50		8.5R	3 45.960	-0.0013	13	-29 50 45.27	-0.010	13	0.27	45.984	16	33.5	45.11	16	33.5	M5	M	13B	3597	J -29 3876
51		9.4R	7 3 46.332	-0.0007	15	-24 9 21.15	0.019	15	0.29	46.343	16	33.5	21.46	16	33.5	A0	J	14	4435	E -24 4842
52		8.5R	3 48.505	0.0010	20	-28 24 44.03	0.022	20	0.36	48.489	16	33.5	44.38	16	33.5	G5	J	13B	3598	J -28 3828
53		9.1R	3 49.155	0.0002	18	-22 59 41.58	-0.003	18	0.34	49.151	16	33.5	41.54	16	33.5	A2	J	14	4436	E -22 3998
54		8.7R	3 55.232	-0.0023	20	-25 14 3.40	0.035	20	0.36	55.271	16	33.5	3.97	16	33.5	F8	M	14	4438	E -25 4024
55		9.3A	3 58.199	0.0003	18	-21 28 4.53	-0.002	13	0.31	58.195	16	33.5	4.49	16	33.5	K5	J	13A	2899	A -21 1746
56		9.2R	3 58.843	-0.0002	20	-22 23 0.05	-0.009	20	0.36	58.846	16	33.5	59.90	16	33.5	A	M	14	4437	E -22 4003
57		9.6R	4 0.521	-0.0014	20	-22 48 16.16	0.002	20	0.36	0.497	16	33.5	16.20	16	33.5	M0	M	14	4439	E -22 4005
58		9.0R	4 2.566	-0.0020	18	-23 17 5.47	0.012	18	0.34	2.598	16	33.5	5.68	16	33.5	A0	J	14	4440	E -23 4871
59		9.0R	4 4.002	-0.0009	18	-25 52 48.47	0.020	18	0.34	4.016	16	33.5	48.79	16	33.5	K5	J	14	4441	E -25 4029
60		8.7R	4 5.035	-0.0035	15	-26 42 57.24	0.026	12	0.27	5.092	16	33.5	57.66	16	33.5	A0	J	14	4443	E -26 3852
61		8.2R	4 7.390	0.0007	18	-24 36 19.40	-0.011	18	0.34	7.379	16	33.5	19.22	16	33.5	F0	J	14	4442	E -24 4849
62		8.6A	4 9.147	-0.0021	15	-20 56 6.63	0.037	11	0.26	9.183	16	33.5	7.24	16	33.5	G5	J	13A	2700	A -20 1720
63		9.1R	4 13.029	-0.0004	20	-27 46 37.06	0.026	20	0.36	13.035	16	33.5	37.48	16	33.5	F5	J	13B	3602	J -27 3624
64		8.5R	4 16.420	-0.0009	15	-23 20 55.88	-0.021	15	0.29	16.434	16	33.5	55.54	16	33.5	A0	J	14	4444	E -23 4879
65		8.4R	4 19.124	-0.0006	18	-23 0 42.95	-0.016	18	0.34	19.134	16	33.5	42.69	16	33.5	M3	M	14	4445	E -22 4015
66		8.7R	4 21.669	0.0006	20	-28 15 22.05	0.002	20	0.36	21.659	16	33.5	22.07	16	33.5	A0	M	13B	3603	J -28 3846
67		9.1R	4 23.351	-0.0012	18	-25 30 34.16	0.016	18	0.34	23.371	16	33.5	34.42	16	33.5	B9	M	14	4449	E -25 4035
68		8.6R	4 24.086	-0.0005	18	-25 23 28.74	0.053	18	0.34	24.094	16	33.5	29.62	16	33.5	B9	J	14	4450	E -25 4038
69		9.2R	4 24.358	-0.0004	18	-23 40 39.40	-0.034	18	0.34	24.364	16	33.5	38.83	16	33.5	K0	J	14	4446	E -23 4865
70		9.3R	4 25.706	0.0009	18	-22 55 2.99	-0.028	18	0.34	25.690	16	33.5	2.54	16	33.5	A3	J	14	4448	E -22 4019
71		8.2A	4 26.847	-0.0000	18	-21 56 10.74	-0.000	13	0.31	26.848	16	33.5	10.74	16	33.5	G5	J	13A	2703	A -21 1749
72		9.4R	4 28.630	-0.0017	12	-26 2 57.12	0.009	12	0.25	28.656	16	33.5	57.26	16	33.5	A0	J	14	4451	E -25 4039
73		9.1A	4 29.036	-0.0000	17	-22 3 2.81	0.003	12	0.29	29.037	16	33.5	2.86	16	33.5	F0	J	13A	2704	A -21 1750
74		8.9A	4 31.039	-0.0010	20	-21 52 48.82	0.011	15	0.33	31.055	16	33.5	49.00	16	33.5	A2	J	13A	2706	A -21 1752
75		8.6R	4 35.725	-0.0008	20	-26 32 39.87	-0.004	20	0.36	35.738	16	33.5	39.80	16	33.5	K0	J	14	4453	E -26 3868
76		9.2R	4 36.537	-0.0019	20	-26 24 25.28	0.018	20	0.36	38.569	16	33.5	25.57	16	33.5	K0	M	14	4457	E -26 3870
77		8.8A	4 36.652	-0.0010	20	-21 28 42.31	0.017	15	0.33	38.669	16	33.5	42.59	16	33.5	A2	J	13A	2709	A -21 1755
78		9.5R	4 40.762	-0.0014	20	-24 16 42.39	0.021	20	0.36	40.785	16	33.5	42.73	16	33.5	A0	M	14	4456	E -24 4860
79		9.1R	4 42.107	-0.0022	18	-23 8 22.30	-0.008	18	0.34	42.142	16	33.5	22.18	16	33.5	F5	M	14	4455	E -23 4892
80		8.6R	4 42.959	-0.0002	15	-25 40 46.65	-0.029	15	0.29	42.962	16	33.5	46.17	16	33.5	K2	J	14	4459	E -25 4042
81		9.4R	4 43.061	-0.0015	20	-26 14 35.25	0.052	20	0.36	43.105	16	33.5	36.10	16	33.5	K0	M	14	4460	E -26 3872
82		8.9R	4 43.433	-0.0018	17	-25 14 20.93	0.033	17	0.31	43.462	16	33.5	21.47	16	33.5	A0	J	14	4458	E -25 4043
83		9.4R	4 46.087	-0.0018	18	-24 18 5.54	-0.009	18	0.34	46.116	16	33.5	5.38	16	33.5	B9	J	14	4461	E -24 4865
84		9.2A	4 47.117	0.0022	17	-21 41 6.05	0.010	12	0.29	47.080	16	33.5	6.21	16	33.5	K2	J	13A	2711	A -21 1757
85		9.0R	4 47.858	0.0012	20	-29 55 22.18	0.017	20	0.36	47.838	16	33.5	22.46	16	33.5	A0	J	13B	3611	J -29 3902
86		6.2T	4 48.478	-0.0026	12	-24 52 54.21	0.005	11	0.63	48.611	15	98.7	54.49	18	95.9	K2		GC	9402	C -24 4868
87		8.8R	4 50.440	-0.0018	15	-27 19 21.64	-0.025	15	0.29	50.470	16	33.5	21.22	16	33.5	K0	J	13B	3609	J -27 3636
88		9.0R	4 50.493	-0.0009	20	-29 49 10.46	-0.014	20	0.36	50.507	16	33.5	10.23	16	33.5	A5	M	13B	3613	J -29 3904
89		6.4T	4 58.439	0.0009	17	-26 34 41.37	-0.034	16	0.82	58.397	19	01.7	39.71	21	01.6	B3		GC	9406	C -26 3880
90		9.1A	4 59.375	-0.0023	18	-21 37 23.23	-0.000	13	0.31	59.414	16	33.5	23.23	16	33.5	K7	J	13A	2713	A -21 1759
91		7.5R	4 59.951	-0.0020	18	-25 42 6.63	0.005	18	0.34	59.984	16	33.5	6.71	16	33.5	K5	J	14	4464	E -25 4051
92		8.9R	5 0.881	-0.0015	20	-29 53 18.01	0.015	20	0.36	0.905	16	33.5	18.27	16	33.5	K0	M	13B	3615	J -29 3908
93		8.6R	5 1.444	-0.0020	15	-26 50 17.89	0.009	15	0.29	1.476	16	33.5	18.03	16	33.5	A0	J	14	4466	E -26 3883
94		9.2R	5 2.556	-0.0018	18	-26 19 55.42	0.021	18	0.34	2.526	16	33.5	55.76	16	33.5	B9	J	14	4467	E -26 3882
95		8.8R	5 4.971	-0.0027	18	-22 7 32.91	0.023	18	0.34	5.016	16	33.5	33.29	16	33.5	G5	J	14	4465	E -22 4035
96		8.4A	5 7.557	-0.0008	15	-20 12 20.79	0.035	11	0.26	7.570	16	33.5	21.37	16	33.5	K2	J	13A	2714	A -20 1727
97		8.7R	5 10.690	0.0018	20	-28 19 34.01	0.020	20	0.36	10.660	16	33.5	34.34	16	33.5	F8	M	13B	3617	J -28 3870
98		8.5R	5 11.262	0.0020	20	-28 6 36.11	-0.019	20	0.36	11.228	16	33.5	35.79	16	33.5	G5	J	13B	3618	J -28 3867
99		7.5R	5 12.047	0.0025	20	-29 27 37.63	0.016	20	0.36	12.006	16	33.5	37.90	16	33.5	M1	M	13B	3619	J -29 3912
00		9.2A	5 14.395	-0.0012	18	-21 40 52.98	-0.019	13	0.31	14.415	16	33.5	52.67	16	33.5			13A	2716	A -21 1762

173000

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	EPOCH 1950 μ s	EPOCH 1950 σ_μ ″.001	EPOCH 1950 δ_{1950} ° ′ ″	EPOCH 1950 μ' ″	EPOCH 1950 $\sigma_{\mu'}$ ″.001	EPOCH 1950 σ_{1950} ″	ORIGINAL EPOCH α_2 s	ORIGINAL EPOCH σ ″.01	ORIGINAL EPOCH ep.	ORIGINAL EPOCH δ_2 ″	ORIGINAL EPOCH σ' ″.01	ORIGINAL EPOCH ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	-20° 7H DM NUMBER
1		8.3R	7 5 16.508	-0.0005	20	-25 19 58.72	0.046	20	0.36	16.516	16	33.5	59.49	16	33.5	K0 J	14	4470	E -25 4055
2		5.7T	5 17.090	-0.0007	07	-23 45 39.92	0.021	07	0.25	17.116	07	14.4	40.70	09	12.3	B3P	GC	9414	C*-23 4908
3		9.4R	5 18.075	-0.0017	20	-26 23 23.77	0.032	20	0.36	18.103	16	33.5	24.29	16	33.5	F8 M	14	4473	E -26 3888
4		9.6R	5 18.794	-0.0016	20	-22 53 47.95	-0.021	20	0.36	18.767	16	33.5	47.61	16	33.5	A2 J	14	4469	E -22 4037
5		9.8R	5 20.393	-0.0017	20	-22 48 8.20	-0.032	20	0.36	20.421	16	33.5	7.68	16	33.5	A0 M	14	4471	E -22 4039
6		8.9R	5 22.160	-0.0029	20	-25 50 9.38	-0.011	20	0.36	22.207	16	33.5	9.19	16	33.5	F2 J	14	4475	E -25 4061
7		9.2R	5 22.506	-0.0020	15	-22 45 1.18	-0.004	15	0.29	22.473	16	33.5	1.12	16	33.5	K7 J	14	4472	E -22 4043
8		9.3R	5 23.372	-0.0028	18	-23 53 22.42	-0.006	18	0.34	23.325	16	33.5	22.32	16	33.5	F5 M	14	4474	E -23 4910
9		8.4R	5 24.740	-0.0009	20	-25 31 26.31	0.006	20	0.36	24.756	16	33.5	26.40	16	33.5	B9 J	14	4476	E -25 4062
10		9.0R	5 25.147	-0.0019	20	-26 10 53.26	0.016	20	0.36	25.179	16	33.5	53.52	16	33.5	A3 M	14	4477	E -26 3892
11		9.2T	5 25.707	-0.0005	16	-26 15 28.87	-0.039	15	0.77	25.732	21	02.3	26.94	19	00.8	G	GC	9416	C -26 3893
12		9.0R	5 28.444	-0.0028	20	-28 36 53.71	0.021	20	0.36	28.397	16	33.5	54.07	16	33.5	K5 M	13B	3622	J -28 3874
13		9.0R	5 29.474	-0.0007	20	-28 11 33.59	-0.028	20	0.36	29.487	16	33.5	33.12	16	33.5	A0 M	13B	3623	J -28 3875
14		8.3R	5 30.175	-0.0047	20	-28 28 15.63	-0.004	20	0.36	30.253	16	33.5	15.56	16	33.5	A2 J	13B	3624	J -28 3877
15		8.9R	5 30.301	0.0012	20	-29 20 33.36	-0.032	20	0.36	30.282	16	33.5	32.84	16	33.5	K0 M	13B	3625	J -29 3916
16		8.9T	5 33.576	-0.0028	13	-26 16 45.79	0.010	13	0.69	33.716	19	00.4	46.29	18	98.8	F0	GC	9423	C -26 3897
17		8.6R	5 33.702	-0.0019	20	-28 10 57.82	0.018	20	0.36	33.733	16	33.5	58.11	16	33.5	B8 M	13B	3626	J -28 3879
18		8.9R	5 34.649	-0.0023	18	-22 20 4.07	0.013	18	0.34	34.686	16	33.5	4.28	16	33.5	K5 J	14	4479	E -22 4045
19		9.0R	5 40.533	-0.0025	20	-28 5 14.47	0.002	20	0.36	40.574	16	33.5	14.50	16	33.5	K0 M	13B	3629	J -27 3650
20		8.4R	5 42.686	-0.0009	17	-25 12 13.23	0.038	17	0.31	42.701	16	33.5	13.85	16	33.5	A0 J	14	4482	E -25 4070
21		8.6R	5 42.919	0.0027	20	-27 58 6.12	-0.028	20	0.36	42.876	16	33.5	6.57	16	33.5	A0 J	13B	3631	J -27 3651
22		9.1R	5 43.001	0.0002	18	-24 25 19.17	-0.021	18	0.34	42.997	16	33.5	18.82	16	33.5	K0 M	14	4481	E -24 4889
23		8.3R	5 43.329	-0.0034	20	-28 54 42.01	0.036	20	0.36	43.385	16	33.5	42.61	16	33.5	F5 J	13B	3632	J -28 3882
24		9.0R	5 47.153	-0.0032	20	-25 23 33.27	0.033	20	0.36	47.205	16	33.5	33.81	16	33.5	A0 J	14	4484	E -25 4072
25		9.0R	5 48.870	-0.0001	20	-26 50 7.16	0.041	20	0.36	48.871	16	33.5	7.83	16	33.5	A0 J	14	4485	E -26 3906
26		9.4R	5 48.931	-0.0026	20	-28 35 18.76	0.010	20	0.36	48.975	16	33.5	18.94	16	33.5	F0 M	13B	3634	J -28 3883
27		9.0R	5 50.077	-0.0015	18	-22 9 4.06	0.009	18	0.34	50.102	16	33.5	4.20	16	33.5	K0 J	14	4483	E -22 4055
28		8.0R	5 53.223	-0.0019	20	-29 21 8.73	-0.035	20	0.36	53.254	16	33.5	8.16	16	33.5	K2 J	13B	3638	J -29 3926
29		9.4R	5 53.249	-0.0011	18	-24 40 57.44	-0.011	18	0.34	53.268	16	33.5	57.26	16	33.5	F2 M	14	4486	E -24 4896
30		8.5R	5 56.722	0.0004	20	-27 40 18.66	0.023	20	0.36	56.716	16	33.5	19.03	16	33.5	K0 M	13B	3639	J -27 3657
31		8.6A	5 58.804	-0.0004	15	-21 15 51.54	-0.010	12	0.27	58.812	16	33.5	51.37	16	33.5	K0 J	13A	2721	A -21 1767
32		8.5T	5 59.347	-0.0044	16	-26 12 5.34	0.017	15	0.78	59.561	18	01.8	6.17	21	00.9	A0	GC	9433	C -26 3908
33		9.5R	5 59.581	0.0012	20	-24 15 1.23	-0.024	20	0.36	59.560	16	33.5	0.83	16	33.5	A2 M	14	4487	E -24 4897
34		8.5R	6 1.702	-0.0028	20	-27 40 38.71	0.094	20	0.36	1.749	16	33.5	40.25	16	33.5	G0 J	13B	3641	J -27 3660
35		9.5R	6 1.856	0.0005	20	-24 53 13.94	-0.019	20	0.36	1.848	16	33.5	13.63	16	33.5	A0 M	14	4489	E -24 4900
36		8.2R	6 4.048	-0.0007	20	-28 29 47.83	0.008	20	0.36	4.060	16	33.5	47.96	16	33.5	B8 J	13B	3643	J -28 3888
37		8.7R	6 7.527	0.0002	20	-28 7 11.58	-0.008	20	0.36	7.523	16	33.5	11.44	16	33.5	A0 J	13B	3644	J -28 3892
38		8.8R	6 7.566	0.0011	20	-26 21 52.68	0.076	20	0.36	7.549	16	33.5	53.93	16	33.5	K0 M	14	4492	E -26 3910
39		9.1R	6 7.882	-0.0006	18	-22 21 36.06	-0.004	18	0.34	7.892	16	33.5	35.99	16	33.5	A0 J	14	4490	E -22 4061
40		8.6R	6 8.694	-0.0008	18	-23 21 4.95	-0.020	18	0.34	8.707	16	33.5	4.63	16	33.5	B5 J	14	4491	E -23 4932
41		6.9T	6 12.535	0.0012	22	-20 46 46.29	-0.046	17	0.93	12.481	26	06.3	44.12	24	03.1	K2	GC	9439K	-20 1740
42		9.1R	6 13.258	-0.0019	18	-24 10 5.64	0.046	18	0.34	13.289	16	33.5	6.39	16	33.5	F0 J	14	4495	E -24 4906
43		8.9R	6 13.503	0.0007	18	-22 43 44.28	-0.039	18	0.34	13.493	16	33.5	43.64	16	33.5	K0 J	14	4493	E -22 4064
44		9.0R	6 14.521	0.0010	18	-22 19 39.69	-0.004	18	0.34	14.505	16	33.5	39.62	16	33.5	A2 J	14	4494	E -22 4063
45		8.6A	6 15.821	0.0006	18	-21 55 3.51	-0.016	13	0.31	15.811	16	33.5	3.24	16	33.5	A3 J	13A	2729	A -21 1770
46		9.3R	6 21.124	-0.0013	20	-28 33 54.91	0.027	20	0.36	21.146	16	33.5	55.37	16	33.5	A0 M	13B	3649	J -28 3896
47		2.0H	6 21.436	-0.0006	01	-26 18 45.36	0.003	01	0.05	21.458	03	11.7	45.47	03	12.3	F8P	F4	273	C -26 3916
48		8.0T	6 21.775	-0.0006	15	-23 59 47.01	-0.021	13	0.73	21.806	21	01.3	48.08	21	98.4	A0	GC	9444	C -23 4937
49		9.7R	6 24.329	0.0004	20	-23 48 58.72	-0.001	20	0.36	24.322	16	33.5	58.70	16	33.5	A0 M	14	4497	E -23 4938
50		9.0R	6 25.949	0.0003	18	-23 4 40.84	0.015	18	0.34	25.944	16	33.5	41.10	16	33.5	B9 J	14	4499	E -22 4066
51		9.6R	7 6 28.830	-0.0025	20	-22 32 22.48	0.002	20	0.36	28.872	16	33.5	22.52	16	33.5	K2 M	14	4500	E -22 4067
52		9.0R	6 30.190	0.0015	20	-26 52 43.69	0.018	20	0.36	30.164	16	33.5	43.98	16	33.5	B8 M	14	4502	E -26 3920
53		9.1A	6 33.173	-0.0006	18	-20 53 12.31	0.031	13	0.31	33.183	16	33.5	12.82	16	33.5	G5 J	13A	2732	A -20 1745
54		7.3R	6 34.898	-0.0027	20	-28 31 58.01	0.052	20	0.36	34.943	16	33.5	58.88	16	33.5	F8 J	13B	3650	J -28 3903
55		9.1R	6 35.165	-0.0027	18	-22 59 18.18	0.000	18	0.34	35.209	16	33.5	18.19	16	33.5	A0 J	14	4501	E -22 4070
56		8.4R	6 38.818	-0.0011	18	-23 41 39.27	-0.021	18	0.34	38.836	16	33.5	38.92	16	33.5	B8 J	14	4504	E -23 4947
57		9.0R	6 39.229	-0.0012	20	-27 53 44.73	0.016	20	0.36	39.249	16	33.5	44.98	16	33.5	K0 M	13B	3651	J -27 3675
58		9.2R	6 39.261	0.0010	20	-22 27 38.48	-0.000	20	0.36	39.244	16	33.5	38.48	16	33.5	K M	14	4503	E -22 4072
59		8.9R	6 39.999	-0.0017	20	-28 16 34.28	0.016	20	0.36	40.028	16	33.5	34.54	16	33.5	A0 J	13B	3652	J -28 3905
60		8.3R	6 40.392	0.0006	17	-26 40 16.33	0.006	17	0.31	40.381	16	33.5	16.42	16	33.5	K0 J	14	4506	E -26 3925
61		8.6R	6 41.927	0.0012	20	-29 54 59.79	-0.158	20	0.36	41.907	16	33.5	57.18	16	33.5	G0 J	13B	3654	J -29 3948
62		8.0R	6 43.008	-0.0019	20	-25 32 11.74	-0.009	20	0.36	43.039	16	33.5	11.59	16	33.5	A0 J	14	4509	E -25 4099
63		8.6R	6 43.527	-0.0023	20	-27 5 12.12	0.007	20	0.36	43.564	16	33.5	12.23	16	33.5	K0 M	13B	3653	J -26 3926
64		6.5T	6 44.103	-0.0013	12	-23 57 46.29	-0.011	12	0.66	44.171	15	98.7	45.70	18	97.2	B3	GC	9454	C -23 4949
65		9.1R	6 44.958	-0.0020	15	-22 37 13.87	-0.020	15	0.29	44.991	16	33.5	13.55	16	33.5	B9 J	14	4505	E -22 4073
66		9.6R	6 47.140	0.0014	20	-22 7 6.38	0.029	20	0.36	47.117	16	33.5	6.86	16	33.5	K0 M	14	4508	E -22 4074
67		8.9A	6 48.157	-0.0004	18	-20 6 56.46	-0.010	13	0.31	48.163	16	33.5	56.30	16	33.5	K2 J	13A	2737	A -19 1711
68		9.2R	6 49.608	-0.0031	22	-23 16 50.53	-0.020	22	0.40	49.659	16	33.5	50.21	16	33.5	F5 M	14	4510	E -23 4951
69		8.3R	6 51.518	-0.0014	20	-28 56 14.48	0.051	20	0.36	51.542	16	33.5	15.33	16	33.5	K0 J	13B	3658	J -28 3909
70		9.2R	6 52.125	-0.0008	17	-26 51 19.66	0.031	17	0.31	52.138	16	33.5	20.17	16	33.5	A0 M	14	4511	E -26 3930
71		8.4R	6 52.575	-0.0014	20	-27 24 35.56	0.003	20	0.36	52.599	16	33.5	35.61	16	33.5	K0 J	13B	3657	J -27 3680
72		9.2R	6 55.530	-0.0002	20	-28 12 57.20	0.021	20	0.36	55.534	16	33.5	57.54	16	33.5	A0 M	13B	3659	J -28 3910
73		8.4R	7 0.952	-0.0020	20	-28 4 39.69	0.025	20	0.36	0.986	16	33.5	40.10	16	33.5	B8 J	13B	3660	J -27 3683
74		8.9R	7 5.150	-0.0023	18	-25 6 28.09	-0.012	18	0.34	5.187	16	33.5	27.89	16	33.5	A0 J	14	4513	E -24 4923
75		8.8R	7 5.157	0.0003	20	-27 17 1.11	0.053	20	0.36	5.152	16	33.5	1.98	16	33.5	A0 J	13B	3661	J -27 3684
76		9.4R	7 5.848	-0.0012	18	-24 23 8.93	-0.018	18	0.34	5.869	16	33.5	8.63	16	33.5	A2 J	14	4512	E -24 4921
77		9.1A	7 6.412	-0.0008	18	-21 36 53.12	0.015	13	0.31	6.426	16	33.5	53.37	16	33.5	M J	13A	2739	A -21 1778
78		9.0R	7 7.095	0.0007	20	-28 52 10.10	0.006	20	0.36	7.084	16	33.5	10.21	16	33.5	G0 M	13B	3662	J -28 3916
79		8.8R	7 8.558	-0.0003	20	-29 13 29.86	0.010	20	0.36	8.563	16	33.5	30.02	16	33.5	K0 M	13B	3663	J -29 3956
80		8.7A	7 10.484	-0.0010	17	-20 45 52.87	0.006	13	0.30	10.501	16	33.5	52.97	16	33.5	B8 J	13A	2740	A -20 1749
81		8.9R	7 11.928	-0.0004	18	-22 41 16.36	0.002	18	0.34	11.936	16	33.5	16.40	16	33.5	A3 J	14	4514	E -22 4085
82		9.0R	7 13.791	-0.0003	18	-22 24 40.80	0.012	18	0.34	13.796	16	33.5	41.00	16	33.5	B8 J	14	4515	E -22 4088
83		8.9R	7 14.245	0.0003	20	-29 56 15.47	0.018	20	0.36	14.240	16	33.5	15.78	16	33.5	B9 J	13B	3668	J -29 3957
84		8.7R	7 14.669	-0.0008	20	-27 16 51.47	0.054	20	0.36	14.683	16	33.5	52.36	16	33.5	B9 J	13B	3665	J -27 3687
85		9.4R	7 15.687	-0.0022	20	-26 28 56.21	0.060	20	0.36	15.723	16	33.5	57.20	16	33.5	A0 M	14	4517	E -26 3939
86		8.5R	7 19.984	-0.0000	20	-25 39 0.11	0.014	20	0.36	19.985	16	33.5	0.34	16	33.5	K M	14	4518	E -25 4112
87		9.3R	7 20.364	-0.0009	20	-26 8 45.34	0.010	20	0.36	20.378	16	33.5	45.50	16	33.5	A0 M	14	4519	E -26 3943
88		9.0R	7 20.569	-0.0021	20	-28 55 23.21	-0.004	20	0.36	20.604	16	33.5	23.15	16	33.5	K0 M	13B	3671	J -28 3920
89		9.4R	7 26.289	0.0005	18	-24 6 53.84	-0.020	18	0.34	26.280	16	33.5	54.16	16	33.5	A0 J	14	4520	E -24 4929
90		8.9A	7 26.334	-0.0004	18	-21 23 28.15	-0.030	13	0.31	26.340	16	33.5	27.65	16	33.5	F0 J	13A	2744	A -21 1781
91		8.3R	7 29.324	-0.0010	18	-24 13 33.48	0.018	18	0.34	29.340	16	33.5	33.77	16	33.5	K5 J	14	4521	E -24 4931
92		8.8R	7 33.002	0.0004	20	-22 35 1.25	-0.012	20	0.36	32.996	16	33.5	1.06	16	33.5	K7 J	14	4522	E -22 4097
93		8.6R	7 33.353	-0.0010	20	-28 54 33.53	-0.016	20	0.36	33.369	16	33.5	33.27	16	33.5	K0 J	13B	3675	J -28 3926
94		8.5R	7 34.085	-0.0011	20	-28 21 45.37	0.010	20	0.36	34.104	16	33.5	45.53	16	33.5	B8 J	13B	3674	J -28 3925
95		9.3R	7 35.627	-0.0005	18	-22 11 19.89	0.007	18	0.34	35.636	16	33.5	20.00	16	33.5	F0 J	14	4523	E -22 4099
96		9.0R	7 36.235	-0.0039	20	-29 49 57.64	0.007	20	0.36	36.300	16	33.5	57.76	16	33.5	G5 M	13B	3677	J -29 3968
97		8.5R	7 37.003	0.0008	15	-22 55 37.02	-0.030	15	0.29	36.990	16	33.5	36.53	16	33.5	G5 J	14	4524	E -22 4100
98		9.0R	7 37.334	-0.0038	20	-28 38 56.47	0.139	20	0.36	37.396	16	33.5	58.77	16	33.5	G5 M	13B	3676	J -28 3927
99		8.6R	7 38.060	0.0009	18	-23 51 33.77	-0.003	18	0.34	38.044	16	33.5	33.72	16	33.5	A0 J	14	4525	E -23 4982
00		9.5A	7 38.879	-0.0139	20	-22 2 53.99	-0.012	15	0.33	39.109	16	33.5	53.79	16	33.5	K7 J	13A	2749	A -21 1782

173100 — -20° 7H

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	EPOCH 1950 μ s	EPOCH 1950 σ_μ .001"	EPOCH 1950 δ_{1950} ° ′ ″	EPOCH 1950 μ' ″	EPOCH 1950 $\sigma_{\mu'}$ .001"	EPOCH 1950 σ_{1950} ″	ORIGINAL EPOCH α_2 s	ORIGINAL EPOCH σ .01	ORIGINAL EPOCH ep.	ORIGINAL EPOCH δ_2 ″	ORIGINAL EPOCH σ' .01	ORIGINAL EPOCH ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	DM NUMBER
1		5.8T	7 7 39.286	-0.0012	05	-25 8 56.23	0.004	05	0.26	39.342	10	05.2	56.41	10	00.6	B3	GC	9473	C*-25 4120
2		8.8R	7 39.721	0.0015	18	-25 25 50.57	-0.002	18	0.34	39.696	16	33.5	50.53	16	33.5	K2 M	14	4528	E -25 4121
3		8.3R	7 39.926	-0.0009	17	-26 11 33.13	0.018	17	0.31	39.941	16	33.5	33.42	16	33.5	K2 J	13B	3678	J -26 3928
4		9.5R	7 40.425	-0.0014	20	-22 43 32.66	0.009	20	0.36	40.447	16	33.5	32.82	16	33.5	K0 M	14	4526	E -22 4103
5		8.6Q	7 41.260	-0.0003	10	-25 7 33.97	0.007	08	0.52	41.299	17	97.3	34.39	17	94.2	A	GC	9474	C -25 4123
6		9.4R	7 41.690	-0.0016	18	-24 19 57.13	0.027	18	0.34	41.717	16	33.5	57.57	16	33.5	K2 M	14	4529	E -24 4937
7		8.0R	7 42.961	-0.0012	15	-27 48 3.01	-0.040	12	0.27	42.981	16	33.5	2.34	16	33.5	M2 M	13B	3679	J -27 3697
8		8.9R	7 45.143	-0.0057	21	-23 7 47.04	0.000	21	0.38	45.237	16	33.5	47.05	16	33.5	G0 J	14	4531	E -23 4984
9		8.8A	7 45.177	0.0010	17	-20 36 11.20	0.029	12	0.29	45.161	16	33.5	11.68	16	33.5	A0 J	13A	2750	A -20 1754
10		9.1R	7 53.584	-0.0007	18	-24 19 38.16	0.015	18	0.34	53.595	16	33.5	38.40	16	33.5	A0 J	14	4535	E -24 4945
11		9.5R	7 56.413	0.0005	15	-24 52 20.61	-0.013	15	0.29	56.405	16	33.5	20.40	16	33.5	A0 M	14	4536	E -24 4947
12		9.3R	7 56.548	0.0017	20	-28 31 39.99	-0.021	20	0.36	56.520	16	33.5	39.65	16	33.5	G0 M	13B	3682	J -28 3935
13		8.7R	7 59.167	0.0014	20	-27 35 22.80	-0.013	20	0.36	59.145	16	33.5	22.58	16	33.5	F8 M	13B	3683	J -27 3703
14		9.0R	7 59.197	-0.0034	20	-27 29 20.81	0.026	20	0.36	59.253	16	33.5	21.23	16	33.5	A2 M	13B	3684	J -27 3701
15		9.4R	8 0.108	-0.0000	18	-26 13 9.20	-0.016	18	0.34	0.109	16	33.5	8.93	16	33.5	A0 M	14	4537	E -26 3955
16		7.0T	8 1.752	-0.0001	13	-28 39 56.34	0.002	13	0.69	1.755	18	99.7	56.47	21	98.1	B5	GC	9485	C -28 3939
17		9.4R	8 4.543	-0.0013	18	-26 37 44.62	0.026	18	0.34	4.569	16	33.5	45.04	16	33.5	F5 M	14	4540	E -26 3959
18		9.6R	8 7.144	-0.0027	20	-22 48 40.39	0.012	20	0.36	7.189	16	33.5	40.60	16	33.5	M M	14	4539	E -22 4113
19		9.6R	8 7.271	0.0005	20	-22 18 58.90	-0.008	20	0.36	7.262	16	33.5	58.77	16	33.5	G0 M	14	4538	E -22 4112
20		9.2R	8 12.477	0.0015	15	-24 11 38.03	-0.014	15	0.29	12.452	16	33.5	37.79	16	33.5	A0 J	14	4542	E -24 4955
21		9.7A	8 15.206	-0.0003	18	-21 59 29.44	-0.011	13	0.31	15.212	16	33.5	29.26	16	33.5	M J	13A	2760	A -21 1784
22		5.5T	8 18.764	-0.0006	07	-27 24 30.76	0.007	08	0.34	18.790	10	07.8	31.04	12	08.6	G5	GC	9495	C*-27 3710
23		8.0A	8 19.933	0.0004	17	-20 11 30.39	-0.009	13	0.30	19.927	16	33.5	30.25	16	33.5	A3 J	13A	2762	A -20 1758
24		9.1R	8 19.986	-0.0024	20	-27 16 46.63	-0.008	20	0.36	20.024	16	33.5	46.49	16	33.5	A0 M	13B	3687	J -27 3711
25		8.7R	8 21.648	0.0016	15	-24 15 47.59	0.010	15	0.29	21.621	16	33.5	47.75	16	33.5	A0 J	14	4545	E -24 4958
26		9.2R	8 23.112	-0.0005	20	-23 3 9.07	0.004	20	0.36	23.120	16	33.5	9.14	16	33.5	A3 M	14	4544	E -22 4121
27		9.1R	8 23.513	-0.0025	17	-29 53 13.56	-0.043	17	0.31	23.554	16	33.5	12.85	16	33.5	G0 M	13B	3690	J -29 3988
28		9.5R	8 24.060	-0.0012	20	-28 51 1.93	-0.038	20	0.36	24.080	16	33.5	1.31	16	33.5	B8 M	13B	3689	J -28 3949
29		9.1R	8 26.265	-0.0004	15	-26 9 40.26	0.020	15	0.29	26.272	16	33.5	40.58	16	33.5	A3 M	14	4549	E -26 3968
30		8.0R	8 27.229	-0.0006	17	-29 58 21.36	0.016	17	0.31	27.239	16	33.5	21.63	16	33.5	A5 J	13B	3693	J -29 3991
31		9.4R	8 28.499	-0.0000	20	-24 11 18.67	0.025	20	0.36	28.499	16	33.5	19.08	16	33.5	K M	14	4548	E -24 4963
32		9.2R	8 29.301	0.0018	18	-25 21 45.86	-0.001	18	0.34	29.271	16	33.5	45.84	16	33.5	F0 M	14	4550	E -25 4140
33		9.0R	8 31.842	-0.0017	18	-25 14 26.02	0.041	18	0.34	31.869	16	33.5	26.69	16	33.5	G5 M	14	4551	E -25 4142
34		7.8R	8 32.296	-0.0013	20	-29 15 50.93	0.029	20	0.36	32.321	16	33.5	51.42	16	33.5	F5 J	13B	3695	J -29 3992
35		9.1R	8 37.413	-0.0006	17	-29 59 36.01	-0.017	17	0.31	37.422	16	33.5	35.74	16	33.5	K5 M	13B	3697	J -29 3996
36		8.6R	8 37.757	0.0007	18	-26 2 44.92	-0.008	18	0.34	37.746	16	33.5	44.78	16	33.5	K5 M	14	4552	E -25 4145
37		9.0A	8 49.540	0.0003	18	-20 0 40.15	0.004	13	0.31	49.535	16	33.5	40.22	16	33.5	K0 J	13A	2766	A -19 1732
38		9.1R	8 50.649	-0.0012	18	-24 0 43.41	-0.006	18	0.34	50.668	16	33.5	43.31	16	33.5	A3 J	14	4555	E -23 5013
39		8.6R	8 51.156	0.0015	18	-25 20 20.38	-0.034	18	0.34	51.131	16	33.5	19.81	16	33.5	F8 J	14	4556	E -25 4154
40		8.9A	8 54.137	0.0006	18	-20 12 11.74	0.037	13	0.31	54.128	16	33.5	12.36	16	33.5	A2 J	13A	2768	A -20 1761
41		8.9A	8 55.481	-0.0022	20	-21 19 24.09	-0.014	15	0.33	55.517	16	33.5	23.86	16	33.5	K5 J	13A	2769	A -21 1788
42		8.5R	8 55.978	-0.0020	15	-25 50 25.74	-0.004	15	0.29	56.012	16	33.5	25.67	16	33.5	A0 J	14	4559	E -25 4156
43		9.2R	8 59.670	-0.0010	18	-25 41 55.76	0.034	18	0.34	59.687	16	33.5	56.31	16	33.5	F5 M	14	4560	E -25 4158
44		8.6R	9 1.626	-0.0029	18	-26 53 40.49	0.038	18	0.34	1.674	16	33.5	41.12	16	33.5	F0 J	14	4563	E -26 3980
45		9.2R	9 5.248	0.0007	15	-22 54 8.71	-0.011	15	0.29	5.236	16	33.5	8.54	16	33.5	F5 J	14	4562	E -22 4138
46		8.7R	9 5.485	0.0010	18	-25 48 23.59	0.021	18	0.34	5.469	16	33.5	23.93	16	33.5	K0 M	14	4566	E -25 4162
47		8.8R	9 5.611	-0.0019	15	-27 41 1.16	0.004	12	0.27	5.643	16	33.5	1.22	16	33.5	A2 J	13B	3701	J -27 3729
48		8.8R	9 7.566	-0.0004	21	-23 27 43.95	-0.025	21	0.38	7.573	16	33.5	43.55	16	33.5	A0 J	14	4565	E -23 5023
49		9.4R	9 8.416	0.0006	18	-26 24 17.34	0.017	18	0.34	8.406	16	33.5	17.61	16	33.5	F5 M	14	4567	E -26 3983
50		9.1R	9 9.562	-0.0009	20	-29 2 15.29	0.035	20	0.36	9.577	16	33.5	15.88	16	33.5	M5 M	13B	3702	J -28 3968
51		8.5R	7 9 11.002	-0.0194	18	-25 49 25.66	0.028	18	0.34	11.323	16	33.5	26.12	16	33.5	G5 J	14	4568	E -25 4163
52		6.7T	9 12.495	-0.0042	26	-21 43 10.12	-0.011	26	1.19	12.690	19	04.0	9.60	17	04.2	B8	GC	9517K	B*-21 1791
53		9.0A	9 13.486	-0.0007	17	-20 5 47.66	0.019	13	0.30	13.498	16	33.5	47.98	16	33.5	A0 J	13A	2771	A -19 1736
54		9.0R	9 15.194	-0.0001	20	-28 4 35.09	0.012	20	0.36	15.197	16	33.5	35.28	16	33.5	K0 M	13B	3703	J -27 3732
55		9.1R	9 15.326	-0.0005	20	-29 9 3.03	0.029	20	0.36	15.335	16	33.5	3.52	16	33.5	F0 M	13B	3704	J -29 4013
56		8.9A	9 23.816	-0.0002	20	-20 7 48.86	-0.024	15	0.33	23.820	16	33.5	48.47	16	33.5	K2 J	13A	2776	A -19 1738
57		9.1A	9 23.992	0.0002	18	-21 36 47.18	-0.021	13	0.31	23.988	16	33.5	46.83	16	33.5	A0 J	13A	2778	A -21 1794
58		8.8R	9 24.738	-0.0009	22	-23 34 48.23	0.018	22	0.40	24.752	16	33.5	48.52	16	33.5	K0 M	14	4572	E -23 5033
59		9.8R	9 25.168	0.0008	17	-22 16 54.83	0.002	00	0.25	25.154	16	33.5	54.86	16	33.5	G5 M	14	4571	E -22 4147
60		9.0R	9 25.742	0.0009	20	-28 11 53.24	0.021	20	0.36	25.727	16	33.5	53.58	16	33.5	B9 J	13B	3706	J -28 3973
61		7.7R	9 26.463	-0.0038	20	-27 38 51.92	-0.017	20	0.36	26.525	16	33.5	51.63	16	33.5	K0 J	13B	3707	J -27 3735
62		9.0R	9 27.892	0.0015	15	-23 53 9.04	-0.000	15	0.29	27.867	16	33.5	9.03	16	33.5	A5 J	14	4573	E -23 5035
63		9.6R	9 28.195	0.0009	20	-24 3 3.38	-0.020	20	0.36	28.179	16	33.5	3.04	16	33.5	A2 M	14	4574	E -23 5036
64		8.9R	9 30.105	-0.0005	20	-28 59 50.86	0.041	20	0.36	30.114	16	33.5	51.55	16	33.5	G0 M	13B	3711	J -28 3975
65		9.4R	9 30.866	0.0001	20	-27 57 34.69	-0.014	20	0.36	30.865	16	33.5	34.45	16	33.5	G0 M	13B	3710	J -27 3737
66		8.6R	9 31.452	0.0003	18	-25 41 10.30	-0.002	18	0.34	31.447	16	33.5	10.26	16	33.5	A0 J	14	4577	E -25 4174
67		9.0R	9 31.747	-0.0000	12	-24 19 10.65	0.014	12	0.25	31.747	16	33.5	10.88	16	33.5	K0 M	14	4575	E -24 4992
68		5.7T	9 32.103	-0.0017	11	-20 47 55.61	0.028	11	0.57	32.185	18	00.9	56.99	15	99.9	A0	GC	9528	-20 1767
69		8.5R	9 32.493	-0.0046	20	-29 23 1.54	-0.021	20	0.36	32.569	16	33.5	1.20	16	33.5	A0 J	13B	3714	J -29 4025
70		9.1R	9 32.976	-0.0010	17	-28 39 6.63	0.024	17	0.31	32.993	16	33.5	7.04	16	33.5	A0 M	13B	3712	J -28 3976
71		8.8R	9 37.136	0.0011	18	-25 28 33.73	-0.003	18	0.34	37.117	16	33.5	33.67	16	33.5	A5 J	14	4579	E -25 4176
72		8.7R	9 37.579	0.0027	20	-28 24 41.67	0.020	20	0.36	37.535	16	33.5	42.00	16	33.5	A5 M	13B	3715	J -28 3980
73		9.8R	9 39.700	-0.0068	20	-23 7 33.92	0.035	20	0.36	39.812	16	33.5	34.51	16	33.5	B9 M	14	4578	E -23 5039
74		8.9R	9 42.514	-0.0020	20	-28 47 32.19	-0.013	20	0.36	42.548	16	33.5	31.98	16	33.5	A5 M	13B	3718	J -28 3984
75		8.0R	9 44.119	-0.0002	20	-29 43 25.42	0.004	20	0.36	44.123	16	33.5	25.50	16	33.5	G0 J	13B	3720	J -29 4029
76		9.0R	9 46.383	-0.0004	18	-23 44 37.80	0.020	18	0.34	46.390	16	33.5	38.12	16	33.5	K5 M	14	4580	E -23 5042
77		8.9A	9 46.968	0.0014	20	-20 5 54.99	-0.023	15	0.33	46.945	16	33.5	54.62	16	33.5	A3 J	13A	2782	A -19 1744
78		9.5R	9 48.658	-0.0003	18	-26 19 4.59	-0.037	18	0.34	48.664	16	33.5	3.97	16	33.5	K0 M	14	4581	E -26 4001
79		8.9R	9 48.672	-0.0035	20	-29 3 53.43	0.034	20	0.36	48.731	16	33.5	54.00	16	33.5	G5 M	13B	3721	J -28 3986
80		9.4R	9 50.814	-0.0001	18	-26 59 19.81	-0.024	18	0.34	50.816	16	33.5	19.41	16	33.5	A0 M	14	4582	E -26 4002
81		8.4R	9 54.346	-0.0004	20	-28 55 14.52	0.045	20	0.36	54.353	16	33.5	15.27	16	33.5	K0 J	13B	3723	J -28 3989
82		9.0A	9 54.953	0.0007	18	-20 19 9.30	0.013	13	0.31	54.942	16	33.5	9.52	16	33.5	A2 J	13A	2784	A -20 1770
83		8.1R	9 56.191	0.0000	20	-28 19 3.30	0.024	20	0.36	56.191	16	33.5	3.69	16	33.5	K0 J	13B	3724	J -28 3988
84		9.4R	10 0.355	-0.0024	18	-25 19 8.18	0.019	18	0.34	0.395	16	33.5	8.51	16	33.5	A0 M	14	4585	E -25 4186
85		9.1R	10 1.925	-0.0001	20	-27 37 59.15	0.013	20	0.36	1.928	16	33.5	59.36	16	33.5	B5 M	13B	3726	J -27 3748
86		9.0R	10 2.038	0.0007	20	-28 47 12.61	0.016	20	0.36	2.026	16	33.5	12.88	16	33.5	K M	13B	3728	J -28 3990
87		8.8A	10 4.063	0.0011	20	-21 11 33.23	-0.012	15	0.33	4.046	16	33.5	33.02	16	33.5	F0 J	13A	2788	A -21 1801
88		8.4R	10 4.468	0.0010	12	-22 53 54.00	-0.018	12	0.25	4.451	16	33.5	53.71	16	33.5	G5 J	14	4586	E -22 4169
89		6.7T	10 4.505	-0.0011	12	-27 14 59.80	0.007	12	0.66	4.564	17	96.6	* 0.17	17	95.5	B3	GC	9542	C -27 3749
90		9.0R	10 4.718	0.0005	20	-28 1 28.39	-0.002	20	0.36	4.709	16	33.5	28.35	16	33.5	B9 M	13B	3730	J -27 3750
91		9.1R	10 8.085	-0.0002	18	-23 43 56.81	-0.015	18	0.34	8.088	16	33.5	56.56	16	33.5	A2 J	14	4587	E -23 5058
92		8.8A	10 8.734	-0.0012	20	-22 4 51.03	0.017	15	0.33	8.754	16	33.5	51.31	16	33.5	A2 J	13A	2790	A -21 1802
93		5.9T	10 9.373	-0.0010	04	-25 51 27.36	0.009	05	0.24	9.422	10	02.4	27.79	10	02.1	B3	GC	9545	C*-25 4191
94		9.0A	10 11.946	0.0014	17	-20 31 25.79	0.021	12	0.29	11.923	16	33.5	26.12	16	33.5	G5 J	13A	2791	A -20 1775
95		8.8R	10 15.392	-0.0013	20	-27 46 41.18	0.032	20	0.36	15.413	16	33.5	41.70	16	33.5	B9 J	13B	3734	J -27 3754
96		8.4R	10 16.754	-0.0026	12	-26 24 11.45	0.029	12	0.25	16.797	16	33.5	11.92	16	33.5	A5 J	14	4590	E -26 4015
97		9.1R	10 16.993	0.0002	20	-28 58 45.98	0.015	20	0.36	16.990	16	33.5	46.24	16	33.5	K0 M	13B	3737	J -28 3996
98		8.6R	10 17.247	0.0017	20	-22 54 42.27	-0.032	20	0.36	17.218	16	33.5	41.75	16	33.5	K2 J	14	4589	E -22 4172
99		9.0A	10 21.099	-0.0026	20	-20 58 46.45	0.011	15	0.33	21.142	16	33.5	46.63	16	33.5	A0 J	13A	2794	A -20 1779
00		6.5T	10 23.425	-0.0022	12	-27 23 20.65	0.006	12	0.66	23.538	15	98.7	20.96	18	96.2	A2	GC	9550	C -27 3761

173200

EPOCH 1950 — ORIGINAL EPOCH — SOURCE — -20° 7H

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	σ'_μ ″.001	σ_{1950} ″	α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	CAT.	STAR NUMBER	DM NUMBER
1		9.2R	7 10 25.262	0.0003	15	-23 46 31.57	0.003	15	0.29	25.257	16	33.5	31.61	16	33.5	A7 M	14	4591	E -23 5066
2		9.2R	10 25.300	-0.0030	12	-24 52 5.33	0.005	12	0.25	25.349	16	33.5	5.42	16	33.5	A3 M	14	4592	E -24 5016
3		9.3R	10 26.108	-0.0041	20	-28 26 20.16	0.061	20	0.36	26.176	16	33.5	21.16	16	33.5	K5 M	13B	3739	J -26 3997
4		8.6A	10 26.445	0.0006	18	-21 39 48.77	-0.031	13	0.31	26.435	16	33.5	48.26	16	33.5	A2 J	13A	2795	A -21 1805
5		8.8A	10 28.330	0.0003	18	-20 46 1.61	0.002	13	0.31	28.326	16	33.5	1.64	16	33.5	G5 J	13A	2796	A -20 1780
6		8.8R	10 33.240	-0.0030	12	-22 49 30.10	-0.004	12	0.25	33.288	16	33.5	30.04	16	33.5	F0 J	14	4593	E -22 4176
7		9.4R	10 36.314	-0.0019	18	-23 55 18.67	-0.015	18	0.34	38.345	16	33.5	18.42	16	33.5	F M	14	4594	E -23 5076
8		8.7R	10 36.325	-0.0021	20	-27 43 9.31	-0.000	20	0.36	38.360	16	33.5	9.30	16	33.5	K2 M	13B	3741	J -27 3767
9		9.2R	10 41.465	-0.0015	18	-26 2 36.27	-0.015	18	0.34	41.440	16	33.5	36.02	16	33.5	K0 M	14	4596	E -25 4204
10		9.2R	10 43.702	-0.0029	18	-22 46 16.93	0.009	18	0.34	43.749	16	33.5	17.09	16	33.5	A5 J	14	4595	E -22 4183
11		9.0R	10 52.058	-0.0029	18	-24 41 40.19	-0.012	18	0.34	52.106	16	33.5	40.00	16	33.5	K0 M	14	4597	E -24 5023
12		9.2R	10 52.977	0.0021	20	-28 26 2.98	0.054	20	0.36	52.943	16	33.5	3.86	16	33.5	A0 M	13B	3744	J -28 4009
13		8.7R	10 53.810	-0.0005	20	-29 49 28.69	0.002	20	0.36	53.818	16	33.5	28.73	16	33.5	A2 J	13B	3748	J -29 4056
14		9.4R	10 54.294	-0.0018	18	-25 25 49.32	-0.010	18	0.34	54.324	16	33.5	49.15	16	33.5	A0 M	14	4600	E -25 4210
15		9.0R	10 55.136	-0.0003	18	-23 46 0.32	-0.003	18	0.34	55.141	16	33.5	0.27	16	33.5	K5 M	14	4598	E -23 5086
16		9.5R	10 55.632	0.0002	20	-27 53 56.41	-0.020	20	0.36	55.630	16	33.5	56.07	16	33.5	A0 M	13B	3746	J -27 3770
17		9.1R	10 55.765	-0.0023	20	-28 8 10.30	0.010	20	0.36	55.802	16	33.5	10.46	16	33.5	B9 M	13B	3747	J -28 4012
18		9.1R	10 56.489	-0.0010	20	-27 7 34.80	0.013	20	0.36	56.505	16	33.5	35.01	16	33.5	A0 J	13B	3745	J -27 3769
19		7.4R	10 57.766	-0.0085	18	-24 8 27.84	0.096	18	0.34	57.907	16	33.5	29.42	16	33.5	G5 J	14	4601	E -24 5026
20		9.1R	10 57.891	-0.0004	15	-22 47 32.37	0.002	15	0.29	57.898	16	33.5	32.41	16	33.5	B8 J	14	4599	E -22 4188
21		8.7A	10 59.951	0.0003	18	-20 29 42.82	0.014	13	0.31	59.946	16	33.5	43.05	16	33.5	B3 J	13A	2800	A -20 1782
22		9.0R	11 1.770	-0.0010	20	-28 45 48.94	0.024	20	0.36	1.786	16	33.5	49.35	16	33.5		13B	3750	J -28 4015
23		9.2R	11 5.767	0.0017	20	-29 5 19.76	0.022	20	0.36	5.739	16	33.5	20.13	16	33.5	A5 M	13B	3751	J -28 4017
24		9.2A	11 7.189	-0.0024	17	-20 8 44.73	-0.001	13	0.30	7.229	16	33.5	44.72	16	33.5	A2 J	13A	2801	A -19 1758
25		9.0R	11 7.261	-0.0002	20	-29 7 46.19	-0.006	20	0.36	7.265	16	33.5	46.10	16	33.5	A5 M	13B	3752	J -29 4060
26		9.6R	11 8.191	-0.0005	20	-22 17 27.99	-0.021	20	0.36	8.199	16	33.5	27.64	16	33.5	A0 M	14	4602	E -22 4192
27		8.6R	11 10.513	0.0010	20	-28 25 32.11	0.024	20	0.36	10.497	16	33.5	32.50	16	33.5	A5 J	13B	3753	J -28 4019
28		8.5R	11 12.619	-0.0014	15	-24 6 16.32	0.039	15	0.29	12.642	16	33.5	16.96	16	33.5	K5 J	14	4603	E -23 5098
29		8.7A	11 14.201	-0.0005	17	-21 37 27.35	0.002	12	0.29	14.210	16	33.5	27.38	16	33.5	K0 J	13A	2802	A -21 1816
30		6.2T	11 16.617	0.0001	17	-22 35 12.26	-0.010	16	0.82	16.612	19	01.8	11.79	19	01.3	K2	GC	9574	-22 1756
31		8.7A	11 18.707	-0.0007	18	-20 38 50.32	0.017	13	0.31	18.719	16	33.5	50.60	16	33.5	K7 J	13A	2804	A -20 1785
32		8.5R	11 18.730	-0.0003	18	-24 27 56.97	-0.043	18	0.34	18.735	16	33.5	56.25	16	33.5	K0 M	14	4605	E -24 5035
33		8.5A	11 19.371	-0.0017	13	-21 2 22.96	0.001	11	0.26	19.400	16	33.5	22.97	16	33.5	F0 J	13A	2806	A -20 1786
34		9.3A	11 24.273	-0.0016	18	-21 16 3.82	-0.020	13	0.31	24.299	16	33.5	3.48	16	33.5	A0 J	13A	2808	A*-21 1818
35		9.1R	11 26.245	-0.0003	18	-22 57 48.73	-0.005	18	0.34	26.249	16	33.5	48.66	16	33.5	K2 M	14	4607	E -22 4198
36		9.7R	11 28.881	0.0028	15	-24 21 43.02	0.031	15	0.29	28.835	16	33.5	43.53	16	33.5	A0 M	14	4610	E -24 5038
37		7.8R	11 29.347	-0.0042	20	-29 5 45.71	-0.011	20	0.36	29.416	16	33.5	45.54	16	33.5	A3 J	13B	3760	J -28 4029
38		9.3R	11 29.487	-0.0001	20	-22 32 17.91	0.020	20	0.36	29.488	16	33.5	18.25	16	33.5	K M	14	4609	E -22 4199
39		9.4R	11 31.329	-0.0019	18	-25 14 42.02	0.019	18	0.34	31.360	16	33.5	42.33	16	33.5	A0 M	14	4612	E -25 4229
40		9.2R	11 31.853	0.0008	18	-22 20 45.83	-0.039	18	0.34	31.840	16	33.5	45.18	16	33.5	F M	14	4611	E -22 4200
41		8.7A	11 33.690	-0.0009	20	-21 22 12.65	-0.030	15	0.33	33.705	16	33.5	12.15	16	33.5	A0 J	13A	2809	A -21 1819
42		9.2R	11 33.792	-0.0014	20	-29 29 3.35	0.000	20	0.36	33.816	16	33.5	3.36	16	33.5	K0 M	13B	3762	J -29 4073
43		9.3R	11 34.024	0.0009	20	-24 12 15.63	0.030	20	0.36	34.009	16	33.5	16.12	16	33.5	A5 M	14	4613	E -24 5040
44		5.9T	11 35.437	-0.0022	11	-27 16 10.86	0.004	12	0.64	35.554	17	96.8	11.06	18	95.8	B3	GC	9583	C -27 3789
45		9.4R	11 38.283	0.0009	15	-24 44 11.63	-0.009	15	0.29	38.269	16	33.5	11.48	16	33.5	A0 M	14	4615	E -24 5042
46		9.8T	11 40.002	-0.0024	22	-22 49 15.10	-0.003	20	0.98	40.110	22	05.0	14.98	22	03.9		GC	9587K	-22 1760
47		6.2T	11 41.407	-0.0012	16	-22 49 9.37	-0.020	16	0.81	41.467	18	00.2	8.39	18	00.1	B3	GC	9588K	-22 1761
48		8.3R	11 43.415	-0.0034	20	-28 31 20.39	0.011	20	0.36	43.471	16	33.5	20.58	16	33.5	K2 J	13B	3766	J -28 4031
49		9.2A	11 46.654	-0.0029	20	-29 26 46.84	-0.072	15	0.33	46.701	16	33.5	45.66	16	33.5	A0 J	13A	2814	A -20 1792
50		9.3R	11 48.904	-0.0022	15	-23 19 38.17	0.019	15	0.29	48.940	16	33.5	38.49	16	33.5	A0 M	14	4617	E -23 5109
51		8.6R	7 11 52.046	-0.0017	15	-27 12 27.05	-0.008	15	0.29	52.074	16	33.5	26.91	16	33.5	B8 J	13B	3767	J -27 3794
52		9.3R	11 52.513	0.0011	13	-24 1 1.65	0.008	13	0.27	52.495	16	33.5	1.78	16	33.5	M0 M	14	4618	E -23 5113
53		9.0R	11 53.358	-0.0038	20	-28 44 53.54	0.088	20	0.36	53.422	16	33.5	54.99	16	33.5	G0 M	13B	3768	J -28 4035
54		8.7R	11 54.681	-0.0018	18	-26 21 27.17	0.018	18	0.34	54.711	16	33.5	27.46	16	33.5	F5 M	14	4622	E -26 4048
55		9.2R	11 55.850	-0.0017	15	-24 34 59.70	0.016	15	0.29	55.879	16	33.5	59.97	16	33.5	K M	14	4620	E -24 5048
56		9.4R	11 57.312	0.0016	15	-25 14 36.86	0.011	15	0.29	57.285	16	33.5	37.04	16	33.5	F5 M	14	4623	E -25 4240
57		8.2R	11 58.263	-0.0009	18	-26 1 20.78	0.014	18	0.34	58.277	16	33.5	21.01	16	33.5	M3 M	14	4624	E -25 4243
58		9.0R	11 58.531	-0.0025	17	-22 36 24.49	-0.007	17	0.31	58.572	16	33.5	24.38	16	33.5	M M	14	4621	E -22 4212
59		8.7R	12 2.376	-0.0044	18	-24 27 12.18	0.024	18	0.34	2.448	16	33.5	12.57	16	33.5	K0 M	14	4625	E -24 5051
60		9.0A	12 3.061	-0.0034	20	-21 1 16.57	-0.072	15	0.33	3.118	16	33.5	15.38	16	33.5	G0 J	13A	2819	A -20 1795
61		8.5R	12 9.167	-0.0035	20	-28 25 59.78	-0.004	20	0.36	9.225	16	33.5	59.71	16	33.5	A0 J	13B	3771	J -28 4040
62		9.1R	12 10.831	-0.0013	20	-29 19 47.00	-0.028	20	0.36	10.854	16	33.5	46.55	16	33.5	G5 M	13B	3772	J -29 4093
63		8.5R	12 11.255	-0.0040	20	-29 50 32.30	-0.004	20	0.36	11.321	16	33.5	32.23	16	33.5	A0 J	13B	3774	J -29 4094
64		4.7T	12 12.835	-0.0010	03	-26 15 54.11	0.005	03	0.19	12.888	09	99.0	54.36	09	97.4	B5P	GC	9608	C*-26 4057
65		8.7A	12 13.659	-0.0003	18	-20 49 54.40	0.037	13	0.31	13.664	16	33.5	55.01	16	33.5	A3 J	13A	2823	A -20 1796
66		8.5R	12 15.157	-0.0004	20	-27 38 13.16	-0.003	20	0.36	15.163	16	33.5	13.10	16	33.5	K2 J	13B	3775	J -27 3805
67		8.8A	12 16.637	-0.0010	15	-21 1 9.72	-0.008	11	0.26	16.654	16	33.5	9.58	16	33.5	B5 J	13A	2824	A -20 1798
68		8.0R	12 16.933	-0.0012	20	-28 4 56.21	-0.023	20	0.36	16.953	16	33.5	55.82	16	33.5	B8 J	13B	3776	J -27 3806
69		9.1R	12 22.139	-0.0005	20	-24 14 57.88	0.006	20	0.36	22.147	16	33.5	57.97	16	33.5	G5 M	14	4629	E -24 5060
70		8.3R	12 22.426	-0.0000	18	-24 47 2.13	0.007	18	0.34	22.427	16	33.5	2.25	16	33.5	K2 J	14	4630	E -24 5059
71		8.2R	12 24.106	0.0014	18	-22 51 17.49	-0.033	18	0.34	24.083	16	33.5	16.96	16	33.5	G5 J	14	4628	E -22 4220
72		8.8A	12 24.159	0.0022	18	-21 59 6.55	-0.029	13	0.31	24.123	16	33.5	6.07	16	33.5	K5 J	13A	2827	A -21 1827
73		8.9R	12 27.965	-0.0011	20	-28 45 42.44	-0.024	20	0.36	27.984	16	33.5	42.06	16	33.5	K M	13B	3779	J -28 4044
74		9.0R	12 29.154	-0.0015	15	-22 27 43.90	0.062	15	0.29	29.178	16	33.5	44.92	16	33.5	G5 J	14	4631	E -22 4222
75		9.0R	12 29.381	-0.0005	18	-24 51 0.81	0.014	18	0.34	29.390	16	33.5	1.05	16	33.5	B8 J	14	4632	E -24 5064
76		7.8R	12 30.391	-0.0009	18	-25 12 52.57	-0.012	18	0.34	30.405	16	33.5	52.37	16	33.5	B8 J	14	4633	E -25 4256
77		8.7A	12 31.450	-0.0012	17	-20 59 15.55	0.011	13	0.30	31.470	16	33.5	15.73	16	33.5	G5 J	13A	2830	A -20 1801
78		9.2R	12 31.779	0.0005	20	-28 54 49.41	0.027	20	0.36	31.771	16	33.5	49.86	16	33.5	F0 M	13B	3780	J -28 4047
79		9.1R	12 34.462	0.0009	18	-23 51 32.65	-0.009	18	0.34	34.446	16	33.5	32.49	16	33.5	B9 J	14	4634	E -23 5135
80		7.6T	12 35.813	-0.0015	16	-23 24 5.18	0.007	13	0.74	35.886	21	01.3	5.54	17	00.2	B3	GC	9616	C -23 5137
81		9.2R	12 39.169	0.0033	20	-28 54 44.26	-0.012	20	0.36	39.115	16	33.5	44.07	16	33.5	K2 M	13B	3782	J -28 4049
82		3.8T	12 46.891	-0.0009	04	-26 41 5.01	-0.004	05	0.24	46.931	10	05.7	5.19	12	02.3	B3P	GC	9625	C*-26 4073
83		5.8T	12 49.822	-0.0040	06	-26 56 58.16	-0.033	06	0.30	49.994	10	07.1	56.66	12	04.9	K5	GC	9626	C*-26 4074
84		8.4R	12 49.891	-0.0019	18	-24 16 18.22	-0.019	18	0.34	49.922	16	33.5	17.90	16	33.5	K5 J	14	4638	E -24 5072
85		8.4A	12 52.298	-0.0005	17	-21 48 4.76	0.004	12	0.29	52.307	16	33.5	4.82	16	33.5	K0 J	13A	2835	A -21 1831
86		7.7R	12 56.388	-0.0005	20	-28 52 34.62	-0.028	20	0.36	56.396	16	33.5	34.17	16	33.5	B3 J	13B	3785	J -28 4057
87		8.1R	12 57.071	-0.0001	18	-22 41 18.93	0.006	18	0.34	57.074	16	33.5	19.04	16	33.5	M2 J	14	4641	E -22 4234
88		9.6R	12 57.959	-0.0006	20	-24 6 52.58	-0.023	20	0.36	57.948	16	33.5	52.20	16	33.5	A3 M	14	4642	E -23 5150
89		9.3R	12 59.047	0.0001	15	-25 37 54.00	0.026	15	0.29	59.045	16	33.5	54.42	16	33.5	A2 M	14	4647	E -25 4267
90		9.6R	12 59.067	-0.0002	20	-24 46 15.41	0.079	20	0.36	59.071	16	33.5	16.72	16	33.5	A0 M	14	4645	E -24 5075
91		9.1R	12 59.250	0.0005	17	-28 14 30.01	0.021	17	0.31	59.241	16	33.5	30.35	16	33.5	A0 M	13B	3786	J -28 4058
92		8.5R	12 59.326	-0.0028	18	-24 43 45.75	0.028	18	0.34	59.373	16	33.5	46.22	16	33.5	K0 M	14	4646	E -24 5076
93		9.5R	13 1.052	-0.0001	20	-28 12 41.19	0.012	20	0.36	1.054	16	33.5	41.38	16	33.5	B9 M	13B	3787	J -28 4059
94		9.4R	13 3.273	-0.0008	18	-22 53 50.97	-0.014	18	0.34	3.286	16	33.5	50.74	16	33.5	A0 J	14	4648	E -22 4237
95		9.1R	13 3.702	-0.0007	18	-23 26 22.34	-0.002	18	0.34	3.712	16	33.5	22.32	16	33.5	K5 M	14	4649	E -23 5155
96		9.0R	13 6.594	-0.0047	20	-29 35 23.38	-0.018	20	0.36	6.672	16	33.5	23.09	16	33.5	K0 M	13B	3789	J -29 4116
97		9.4R	13 10.148	0.0025	18	-25 37 24.69	-0.006	18	0.34	10.107	16	33.5	24.59	16	33.5	K M	14	4650	E -25 4275
98		8.8A	13 10.462	-0.0034	20	-21 53 3.48	-0.014	15	0.33	10.518	16	33.5	3.25	16	33.5	F0 J	13A	2839	A -21 1835
99		8.5A	13 10.966	0.0007	18	-20 52 49.94	0.020	13	0.31	10.955	16	33.5	50.27	16	33.5	K7 J	13A	2838	A -20 1809
00		9.2R	13 13.356	-0.0008	18	-25 35 16.49	0.012	18	0.34	13.369	16	33.5	16.68	16	33.5	A0 M	14	4652	E -25 4276

173300 — EPOCH 1950 — ORIGINAL EPOCH — -20° 7H

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	α_{1950} h m s	μ s	$\sigma\mu$,,.001	δ_{1950} ° ′ ″	μ' ″	$\sigma\mu$,,.001	σ_{1950} ″	α_2 s	σ ,,.01	ep.	δ_2 ″	σ' ,,.01	ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	DM NUMBER
1		9.3R	7 13 14.082	-0.0033	18	-23 44 33.77	-0.007	18	0.34	14.136	16	33.5	33.65	16	33.5	F8 M	14	4651	E -23 5158
2		9.3R	13 17.642	-0.0019	20	-24 38 53.76	0.042	20	0.36	17.674	16	33.5	54.46	16	33.5	G5 M	14	4654	E -24 5082
3		8.9R	13 18.323	-0.0002	17	-28 36 14.27	-0.006	17	0.31	18.327	16	33.5	14.18	16	33.5	F5 M	13B	3792	J -28 4066
4		9.2R	13 18.884	-0.0012	18	-25 16 7.19	0.053	18	0.34	18.903	16	33.5	8.06	16	33.5	K0 M	14	4655	E -25 4278
5		8.0R	13 19.432	-0.0004	20	-28 16 35.76	-0.016	20	0.36	19.438	16	33.5	33.49	16	33.5	K0 J	13B	3793	J -28 4067
6		9.0R	13 19.863	0.0006	18	-22 45 9.07	0.026	18	0.34	19.853	16	33.5	9.51	16	33.5	K2 J	14	4653	E -22 4243
7		8.5R	13 20.879	-0.0003	15	-24 24 7.10	-0.000	15	0.29	20.884	16	33.5	7.09	16	33.5	K2 M	14	4656	E -24 5084
8		8.5R	13 20.893	0.0013	18	-25 50 12.37	0.015	18	0.34	20.872	16	33.5	12.61	16	33.5	B9 J	14	4658	E -25 4281
9		9.5R	13 21.157	0.0007	20	-24 15 10.46	-0.005	20	0.36	21.146	16	33.5	10.37	16	33.5	F5 M	14	4657	E -24 5085
10		8.3A	13 24.257	-0.0012	18	-20 2 23.53	-0.017	13	0.31	24.277	16	33.5	23.26	16	33.5	B9 J	13A	2841	A -19 1780
11		8.9R	13 25.750	-0.0004	20	-28 24 51.16	-0.002	20	0.36	25.756	16	33.5	51.12	16	33.5	A0 J	13B	3794	J -28 4070
12		9.1R	13 26.773	-0.0015	12	-22 14 50.84	0.004	12	0.25	26.797	16	33.5	50.91	16	33.5	K5 M	14	4659	E -22 4245
13		8.5R	13 26.953	0.0007	18	-23 37 5.30	-0.001	18	0.34	26.942	16	33.5	5.28	16	33.5	G0 J	14	4660	E -23 5162
14		9.1R	13 30.579	-0.0002	17	-29 7 23.55	-0.010	17	0.31	30.583	16	33.5	23.40	16	33.5	K0 M	13B	3799	J -28 4073
15		7.8T	13 33.773	-0.0027	16	-27 20 2.68	-0.023	20	0.90	33.898	22	03.8	1.81	22	04.2	K5	GC	9641	C -27 3832
16		9.2R	13 33.809	0.0006	15	-22 20 4.34	-0.005	15	0.29	33.799	16	33.5	4.26	16	33.5	K2 M	14	4661	E -22 4248
17		8.7R	13 36.534	-0.0033	12	-26 46 3.60	0.022	12	0.25	36.589	16	33.5	3.96	16	33.5	B9 J	14	4663	E -26 4090
18		9.1R	13 38.678	-0.0005	22	-24 28 37.73	0.009	22	0.40	38.686	16	33.5	37.87	16	33.5	B5 M	14	4662	E -24 5089
19		6.3T	13 41.527	0.0009	14	-23 39 4.96	0.005	12	0.70	41.483	15	99.4	5.22	18	95.9	A0	GC	9644	C -23 5173
20		8.7A	13 42.650	-0.0002	18	-21 32 22.94	-0.067	13	0.31	42.653	16	33.5	21.83	16	33.5	B9 J	13A	2845	A -21 1838
21		8.7R	13 43.989	-0.0006	18	-25 40 2.38	0.020	18	0.34	43.998	16	33.5	2.70	16	33.5	K2 M	14	4666	E -25 4288
22		9.8R	13 44.958	-0.0005	20	-22 32 26.75	-0.011	20	0.36	44.967	16	33.5	26.58	16	33.5	A0 M	14	4665	E -22 4255
23		8.8A	13 47.420	-0.0011	15	-20 28 59.61	-0.005	12	0.27	47.438	16	33.5	59.53	16	33.5	M0 J	13A	2846	A -20 1816
24		8.3A	13 48.483	-0.0013	13	-21 11 46.59	0.022	11	0.26	48.505	16	33.5	46.95	16	33.5	G5 J	13A	2847	A -21 1840
25		8.1R	13 53.827	0.0153	15	-27 21 30.21	-0.069	15	0.29	53.575	16	33.5	29.23	16	33.5	G5 J	13B	3803	J -27 3839
26		8.9R	13 55.936	-0.0009	20	-24 40 24.80	0.037	20	0.36	55.951	16	33.5	25.41	16	33.5	K0 M	14	4667	E -24 5095
27		9.6R	13 58.068	-0.0001	20	-24 3 8.45	0.022	20	0.36	58.069	16	33.5	8.81	16	33.5	A0 M	14	4668	E -23 5179
28		9.3R	14 1.643	0.0018	18	-22 13 18.51	0.012	18	0.34	1.613	16	33.5	18.70	16	33.5	K7 J	14	4669	E -22 4258
29		9.8R	14 1.937	0.0004	20	-23 21 38.88	-0.002	20	0.36	1.931	16	33.5	38.86	16	33.5	F5 M	14	4670	E -23 5180
30		9.0R	14 2.291	0.0019	20	-29 24 12.39	0.004	20	0.36	2.259	16	33.5	12.47	16	33.5	B9 J	13B	3804	J -29 4141
31		9.3R	14 3.483	0.0040	20	-28 48 50.79	-0.038	20	0.36	3.418	16	33.5	50.17	16	33.5	G5 M	13B	3805	J -28 4088
32		9.6R	14 4.119	-0.0001	20	-22 31 56.37	-0.028	20	0.36	4.122	16	33.5	55.92	16	33.5	F0 M	14	4671	E -22 4262
33		9.0R	14 4.143	-0.0014	20	-29 23 53.32	0.027	20	0.36	4.167	16	33.5	53.77	16	33.5	G5 M	13B	3807	J -29 4143
34		8.2R	14 4.220	0.0009	18	-26 44 0.36	-0.011	18	0.34	4.206	16	33.5	0.17	16	33.5	B9 J	14	4672	E -26 4102
35		9.0A	14 4.538	0.0008	17	-21 5 30.45	0.002	12	0.29	4.526	16	33.5	30.48	16	33.5	K2 J	13A	2850	A -20 1820
36		9.0R	14 6.502	-0.0010	20	-27 44 43.10	0.019	20	0.36	6.519	16	33.5	43.41	16	33.5	K0 M	13B	3806	J -27 3844
37		8.6A	14 7.703	-0.0004	20	-21 19 52.82	-0.013	15	0.33	7.709	16	33.5	52.80	16	33.5	K2 J	13A	2851	A -21 1844
38		8.9R	14 10.963	-0.0003	18	-22 45 37.85	-0.012	18	0.34	10.967	16	33.5	37.66	16	33.5	M0 J	14	4673	E -22 4269
39		9.0R	14 12.437	-0.0000	18	-26 31 18.37	0.020	18	0.34	12.437	16	33.5	18.70	16	33.5	G M	14	4676	E -26 4104
40		8.9A	14 13.432	-0.0000	17	-21 5 20.02	-0.015	12	0.29	13.432	16	33.5	19.77	16	33.5	K5 J	13A	2853	A -20 1822
41		9.2R	14 13.564	0.0019	18	-25 11 11.73	-0.003	18	0.34	13.533	16	33.5	11.67	16	33.5	K2 M	14	4674	E -25 4298
42		9.4R	14 17.777	-0.0005	18	-22 10 45.04	-0.014	18	0.34	17.785	16	33.5	44.81	16	33.5	F8 M	14	4675	E -22 4270
43		9.0R	14 17.919	-0.0029	20	-28 11 45.63	0.033	20	0.36	17.967	16	33.5	46.16	16	33.5	F8 M	13B	3810	J -28 4091
44		9.2R	14 19.229	-0.0004	18	-25 2 7.22	-0.001	18	0.34	19.235	16	33.5	7.20	16	33.5	F0 M	14	4678	E -24 5103
45		8.8R	14 22.376	-0.0009	20	-27 40 20.52	-0.013	20	0.36	22.391	16	33.5	20.30	16	33.5	B9 J	13B	3812	J -27 3850
46		9.0R	14 22.585	0.0014	15	-22 10 30.73	-0.017	15	0.29	22.562	16	33.5	30.45	16	33.5	F8 J	14	4677	E -22 4276
47		9.0R	14 22.753	-0.0003	20	-29 15 40.07	-0.030	20	0.36	22.758	16	33.5	39.58	16	33.5	B9 J	13B	3813	J -29 4149
48		9.5R	14 25.139	0.0017	20	-23 56 15.04	0.041	20	0.36	25.110	16	33.5	15.71	16	33.5	B8 M	14	4679	E -23 5187
49		4.8T	14 30.259	-0.0011	07	-23 13 31.88	0.000	07	0.31	30.305	10	08.0	31.89	10	06.9	K5	GC	9675K	C*-23 5189
50		8.1R	14 30.446	-0.0004	18	-23 44 11.86	0.023	18	0.34	30.452	16	33.5	12.23	16	33.5	B5 J	14	4681	E -23 5190
51		9.4R	7 14 30.847	-0.0004	20	-23 55 42.94	0.005	20	0.36	30.853	16	33.5	43.02	16	33.5	K0 M	14	4683	E -23 5191
52		9.1R	14 31.692	-0.0019	20	-27 14 9.88	-0.029	20	0.36	31.723	16	33.5	9.40	16	33.5	G0 M	13B	3814	J -27 3851
53		6.8T	14 31.835	-0.0040	10	-23 13 16.10	0.055	10	0.50	32.026	14	02.2	18.78	14	01.6	F0	GC	9676K	C*-23 5192
54		9.6R	14 32.365	0.0025	15	-22 38 11.60	0.002	15	0.29	32.323	16	33.5	11.64	16	33.5	A M	14	4682	E -22 4277
55		8.5R	14 32.681	-0.0022	20	-29 50 51.88	0.021	20	0.36	32.717	16	33.5	52.23	16	33.5	K5 J	13B	3818	J -29 4156
56		9.0A	14 33.090	-0.0014	20	-20 51 52.73	-0.017	15	0.33	33.114	16	33.5	52.45	16	33.5		13A	2857	A -20 1824
57		8.4R	14 33.620	0.0001	18	-22 43 18.01	-0.014	18	0.34	33.617	16	33.5	17.79	16	33.5	K2 J	14	4685	E -22 4278
58		9.4R	14 33.889	-0.0024	18	-24 27 12.46	-0.007	18	0.34	33.928	16	33.5	12.34	16	33.5	K2 M	14	4687	E -24 5109
59		8.8R	14 34.224	-0.0049	22	-23 53 43.80	0.007	22	0.40	34.304	16	33.5	43.91	16	33.5	K0 M	14	4686	E -23 5193
60		4.8T	14 34.662	-0.0013	06	-27 47 29.71	0.039	05	0.28	34.719	12	05.3	31.59	12	01.2	MB	GC	9678	C*-27 3852
61		9.0R	14 35.542	-0.0001	20	-28 38 33.61	-0.018	20	0.36	35.544	16	33.5	33.32	16	33.5	F5 M	13B	3821	J -28 4100
62		9.3R	14 36.045	0.0004	20	-28 7 3.83	-0.032	20	0.36	36.039	16	33.5	3.29	16	33.5	A0 M	13B	3819	J -27 3853
63		8.8R	14 36.611	0.0030	20	-28 24 50.98	0.026	20	0.36	36.561	16	33.5	51.40	16	33.5	A0 M	13B	3822	J -28 4101
64		8.5R	14 40.708	-0.0023	15	-27 12 25.50	0.013	12	0.27	40.745	16	33.5	25.71	16	33.5	K0 M	13B	3823	J -27 3857
65		9.0R	14 41.472	-0.0029	20	-27 8 47.62	0.032	20	0.36	41.520	16	33.5	48.14	16	33.5		13B	3824	J -27 3856
66		8.7R	14 43.377	-0.0009	15	-24 0 12.73	0.025	15	0.29	43.391	16	33.5	13.14	16	33.5	K5 M	14	4688	E -23 5202
67		9.3R	14 44.398	0.0002	20	-29 17 4.07	-0.004	20	0.36	44.394	16	33.5	4.01	16	33.5	B9 M	13B	3826	J -29 4161
68		8.9R	14 44.753	-0.0021	20	-27 43 27.34	-0.001	20	0.36	44.788	16	33.5	27.32	16	33.5	A0 J	13B	3825	J -27 3858
69		8.6R	14 45.644	0.0006	18	-24 36 5.58	-0.025	18	0.34	45.635	16	33.5	5.17	16	33.5	G5 J	14	4689	E -24 5115
70		8.5R	14 46.064	-0.0025	20	-28 34 55.81	0.004	20	0.36	46.106	16	33.5	55.89	16	33.5	A5 M	13B	3828	J -28 4106
71		7.2T	14 46.188	0.0007	18	-25 4 6.46	0.004	14	0.83	46.157	17	01.7	6.64	19	98.9	A5	GC	9682	C -24 5117
72		9.3R	14 52.161	-0.0015	21	-27 3 58.99	0.009	21	0.38	52.186	16	33.5	59.13	16	33.5	B5 M	14	4692	E -26 4122
73		7.2A	14 55.183	-0.0040	17	-21 5 51.32	-0.106	13	0.30	55.249	16	33.5	49.57	16	33.5	K0 J	13A	2861	A -20 1830
74		9.2R	14 55.643	0.0008	17	-24 10 16.16	0.052	17	0.31	55.630	16	33.5	17.01	16	33.5	G5 M	14	4691	E -24 5120
75		9.0R	15 1.095	-0.0031	20	-24 40 50.19	0.006	20	0.36	1.146	16	33.5	50.29	16	33.5	K5 M	14	4694	E -24 5122
76		7.9R	15 1.434	-0.0042	20	-29 38 22.39	0.003	20	0.36	1.503	16	33.5	22.45	16	33.5	A3 J	13B	3831	J -29 4167
77		9.4R	15 2.401	0.0020	20	-23 52 18.27	-0.006	20	0.36	2.367	16	33.5	18.17	16	33.5	K0 M	14	4693	E -23 5205
78		8.4R	15 5.070	-0.0008	18	-24 15 40.36	0.018	18	0.34	5.083	16	33.5	40.65	16	33.5	B5 J	14	4696	E -24 5125
79		9.0R	15 5.920	-0.0010	20	-29 5 29.23	0.010	20	0.36	5.936	16	33.5	29.39	16	33.5	A2 M	13B	3834	J -28 4112
80		9.4R	15 7.713	-0.0008	20	-22 33 45.80	-0.034	20	0.36	7.725	16	33.5	45.25	16	33.5	A0 J	14	4697	E -22 4296
81		6.9T	15 7.920	-0.0005	16	-28 30 34.56	-0.007	13	0.76	7.943	18	00.7	34.17	18	97.8	A0	GC	9699	C -28 4113
82		9.1R	15 8.185	-0.0006	15	-25 46 27.97	0.001	15	0.29	8.196	16	33.5	27.98	16	33.5	G0 M	14	4701	E -25 4310
83		8.8R	15 11.906	-0.0016	20	-27 50 36.16	0.060	20	0.36	11.932	16	33.5	37.14	16	33.5	K2 M	13B	3836	J -27 3869
84		9.2R	15 12.038	0.0025	13	-22 58 59.30	0.027	13	0.27	11.996	16	33.5	59.75	16	33.5	G5 J	14	4700	E -22 4300
85		9.4R	15 12.331	0.0016	20	-26 18 55.10	0.011	20	0.36	12.305	16	33.5	55.28	16	33.5	K0 M	14	4703	E -26 4128
86		9.4R	15 13.706	-0.0004	20	-24 9 40.90	0.124	20	0.36	13.712	16	33.5	42.94	16	33.5	G5 M	14	4702	E -24 5132
87		8.1A	15 14.909	-0.0021	18	-21 6 31.53	-0.067	13	0.31	14.944	16	33.5	30.42	16	33.5	K0 J	13A	2866	A -20 1833
88		8.1R	15 15.326	-0.0003	20	-25 40 57.31	0.001	20	0.36	15.332	16	33.5	57.32	16	33.5	K2 J	14	4704	E -25 4312
89		9.2R	15 15.882	0.0003	20	-25 57 24.63	0.037	20	0.36	15.878	16	33.5	25.23	16	33.5	K0 M	14	4706	E -25 4314
90		8.7A	15 16.577	0.0011	15	-20 22 21.08	0.013	13	0.28	16.559	16	33.5	21.30	16	33.5	A0 J	13A	2867	A -20 1832
91		9.0R	15 17.841	0.0001	18	-24 25 36.39	-0.000	18	0.34	17.840	16	33.5	36.38	16	33.5	K0 M	14	4705	E -24 5134
92		7.7R	15 17.860	-0.0009	20	-28 57 11.69	-0.009	20	0.36	17.875	16	33.5	11.55	16	33.5	K2 J	13B	3838	J -28 4114
93		9.4R	15 23.022	0.0016	18	-26 23 40.01	0.011	18	0.34	22.996	16	33.5	40.19	16	33.5	G5 M	14	4710	E -26 4133
94		8.5A	15 23.406	0.0016	18	-21 20 44.68	-0.007	13	0.31	23.381	16	33.5	44.56	16	33.5	M1 J	13A	2869	A -21 1854
95		8.8R	15 23.720	-0.0006	15	-22 36 54.96	-0.006	15	0.29	23.730	16	33.5	54.87	16	33.5	A0 J	14	4707	E -22 4304
96		7.0T	15 23.943	0.0035	22	-29 2 24.81	-0.041	22	1.06	23.779	19	03.6	22.89	21	03.8	B9	GC	9707	C -28 4119
97		9.0R	15 24.240	-0.0008	20	-28 38 48.97	-0.002	20	0.36	24.254	16	33.5	48.95	16	33.5	A0 M	13B	3839	J -28 4117
98		9.0R	15 24.825	0.0007	18	-22 44 19.45	0.003	18	0.34	24.814	16	33.5	19.51	16	33.5	B9 J	14	4708	E -22 4305
99		9.2A	15 31.340	0.0016	20	-20 47 51.04	-0.004	15	0.33	31.313	16	33.5	50.97	16	33.5	K2 J	13A	2872	A -20 1837
00		8.7A	15 31.399	-0.0011	20	-21 35 55.93	0.012	15	0.33	31.417	16	33.5	56.12	16	33.5	F5 J	13A	2874	A -21 1855

173400			EPOCH 1950								ORIGINAL EPOCH						SP.		SOURCE		-20° 7H
NUMBER	MAGNITUDES m_{pg}	m_v	α_{1950} h m s	μ s	σ_μ .001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ .001	σ_{1950} ″	α_2 s	σ .01	ep.	δ_2 ″	σ' .01	ep.		CAT.	STAR NUMBER	DM NUMBER
1		8.8R	7 15 31.825	0.0009	12	-24 43 30.23	0.003	12	0.25	31.811	16	33.5	30.28	16	33.5	B8 J	14	4711	E -24 5139
2		9.1R	15 33.733	0.0011	18	-24 54 29.38	-0.003	18	0.34	33.714	16	33.5	29.34	16	33.5	K0 M	14	4713	E -24 5140
3		8.7R	15 34.284	-0.0001	12	-23 5 30.32	0.005	12	0.25	34.286	16	33.5	30.41	16	33.5	B9 J	14	4712	E -22 4310
4		9.3R	15 36.678	-0.0028	20	-28 42 20.37	0.005	20	0.36	36.724	16	33.5	20.46	16	33.5	F5 M	13B	3843	J -28 4125
5		9.2R	15 37.534	-0.0019	21	-25 20 29.81	0.009	21	0.38	37.565	16	33.5	29.95	16	33.5	F5 M	14	4714	E -25 4318
6		8.6R	15 38.777	-0.0007	15	-26 35 0.32	-0.006	15	0.29	38.788	16	33.5	0.22	16	33.5	K0 M	14	4716	E -26 4139
7		8.8R	15 42.663	-0.0012	20	-23 5 58.57	-0.012	20	0.36	42.682	16	33.5	58.38	16	33.5	B9 J	14	4715	E -22 4312
8		8.7R	15 43.829	0.0020	20	-29 25 18.89	-0.027	20	0.36	43.796	16	33.5	18.46	16	33.5	A0 J	13B	3844	J -29 4178
9		8.1R	15 43.970	-0.0034	20	-25 53 40.44	0.022	20	0.36	44.026	16	33.5	40.80	16	33.5	F0 J	14	4718	E -25 4322
10		8.7R	15 44.509	0.0007	20	-29 40 35.41	0.003	20	0.36	44.497	16	33.5	35.46	16	33.5	K0 M	13B	3845	J -29 4179
11		6.3T	15 46.045	-0.0011	17	-26 42 21.72	-0.001	16	0.81	46.097	22	02.7	21.66	21	01.7	B5		GC 9717	C -26 4140
12		9.5R	15 46.845	-0.0009	18	-25 3 13.56	-0.010	18	0.34	46.859	16	33.5	13.39	16	33.5	A3 M	14	4719	E -24 5148
13		9.6R	15 48.148	0.0018	20	-22 34 1.12	0.024	20	0.36	48.119	16	33.5	1.52	16	33.5	A0 M	14	4717	E -22 4314
14		9.0R	15 48.409	-0.0025	20	-27 30 20.85	0.025	20	0.36	48.450	16	33.5	21.26	16	33.5	A0 J	13B	3847	J -27 3879
15		8.4R	15 48.491	-0.0001	20	-28 11 41.39	0.008	20	0.36	48.494	16	33.5	41.51	16	33.5	B9 J	13B	3848	J -28 4130
16		8.2A	15 49.777	-0.0027	18	-21 16 6.88	-0.025	13	0.31	49.821	16	33.5	6.47	16	33.5	K0 J	13A	2875	A -21 1856
17		8.9R	15 52.314	-0.0006	20	-29 30 48.21	-0.071	20	0.36	52.323	16	33.5	47.05	16	33.5	G0 M	13B	3850	J -29 4182
18		8.8R	15 55.951	-0.0018	18	-22 8 49.75	0.025	18	0.34	55.980	16	33.5	50.16	16	33.5	K0 J	14	4721	E -22 4317
19		9.1R	16 1.060	0.0003	20	-28 37 55.70	-0.053	20	0.36	1.055	16	33.5	54.83	16	33.5	K0 M	13B	3851	J -28 4137
20		9.1R	16 2.662	0.0025	20	-28 33 11.30	-0.021	20	0.36	2.621	16	33.5	10.96	16	33.5	G5 M	13B	3852	J -28 4138
21		6.7T	16 4.311	-0.0026	26	-22 14 52.61	-0.049	26	1.20	4.433	19	03.8	50.33	19	03.6	K0	GC	9724	-22 1798
22		8.9R	16 4.692	-0.0025	17	-26 48 0.96	0.022	17	0.31	4.733	16	33.5	1.32	16	33.5	K0 M	14	4724	E -26 4147
23		9.5R	16 6.307	0.0015	18	-23 1 13.16	0.024	18	0.34	6.281	16	33.5	13.56	16	33.5	A3 M	14	4723	E -22 4321
24		9.3A	16 6.333	0.0055	18	-21 0 17.72	-0.008	13	0.31	6.243	16	33.5	17.59	16	33.5	M0 J	13A	2880	A -20 1843
25		9.2R	16 7.311	0.0024	20	-28 24 39.48	0.012	20	0.36	7.271	16	33.5	39.67	16	33.5	G0 M	13B	3854	J -28 4140
26		8.9R	16 8.745	-0.0003	20	-28 51 0.52	-0.036	20	0.36	8.750	16	33.5	-59.94	16	33.5	A0 J	13B	3855	J -28 4142
27		9.0A	16 9.549	-0.0008	20	-21 5 3.62	-0.024	15	0.33	9.561	16	33.5	3.21	16	33.5	M0 J	13A	2881	A -20 1846
28		8.8A	16 10.818	0.0008	18	-20 47 29.80	-0.007	13	0.31	10.806	16	33.5	29.68	16	33.5	K0 J	13A	2882	A -20 1845
29		9.1R	16 12.538	-0.0043	20	-29 59 35.05	-0.024	20	0.36	12.609	16	33.5	34.66	16	33.5	B9 J	13B	3858	J -29 4186
30		8.9A	16 12.892	0.0011	18	-20 30 38.62	-0.009	13	0.31	12.875	16	33.5	38.47	16	33.5	K0 J	13A	2883	A -20 1847
31		9.1R	16 14.603	0.0011	20	-26 28 7.65	0.005	20	0.36	14.586	16	33.5	7.73	16	33.5	K0 M	14	4725	E -26 4152
32		9.1R	16 15.569	-0.0010	17	-29 37 25.27	-0.022	17	0.31	15.585	16	33.5	24.91	16	33.5	B9 J	13B	3859	J -29 4187
33		8.9R	16 18.750	-0.0043	22	-24 26 52.74	0.015	22	0.40	18.821	16	33.5	52.98	16	33.5	M	14	4726	E -24 5164
34		8.0R	16 19.258	-0.0038	20	-29 47 34.46	0.002	20	0.36	19.320	16	33.5	34.50	16	33.5	M0 M	13B	3862	J -29 4190
35		8.8R	16 20.694	-0.0006	20	-29 24 37.69	-0.046	20	0.36	20.704	16	33.5	36.92	16	33.5	G0 M	13B	3863	J -29 4191
36		8.4R	16 20.778	0.0017	18	-23 27 54.53	0.002	18	0.34	20.749	16	33.5	54.57	16	33.5	K0 J	14	4727	E -23 5250
37		9.1R	16 28.852	-0.0041	20	-29 38 3.20	-0.006	20	0.36	28.919	16	33.5	3.11	16	33.5	K5 M	13B	3865	J -29 4195
38		9.2R	16 29.346	-0.0009	15	-23 0 57.55	0.027	15	0.29	29.361	16	33.5	58.00	16	33.5	B9 J	14	4728	E -22 4331
39		8.7A	16 30.726	0.0003	18	-20 2 18.73	-0.010	15	0.32	30.722	16	33.5	18.57	16	33.5	B9 J	13A	2886	A -19 1807
40		9.3R	16 32.140	-0.0006	15	-22 42 58.24	0.035	15	0.29	32.149	16	33.5	58.83	16	33.5	A2 J	14	4730	E -22 4333
41		8.8R	16 33.129	-0.0027	20	-26 46 47.10	0.006	20	0.36	33.174	16	33.5	47.20	16	33.5	K5 M	14	4733	E -26 4155
42		8.7A	16 33.288	-0.0009	20	-20 1 1.39	-0.015	15	0.34	33.304	18	33.5	1.15	16	33.5	A2 J	12B	2887	A -19 1809
43		9.0R	16 34.285	-0.0024	20	-29 32 30.02	-0.009	20	0.36	34.324	16	33.5	29.88	16	33.5	A0 J	13B	3868	J -29 4200
44		4.9T	16 35.375	-0.0008	04	-24 27 58.78	-0.002	04	0.20	35.415	06	01.7	58.67	06	00.7	QE	GC	9734	C*-24 5173
45		8.7R	16 36.121	0.0002	20	-27 38 55.69	-0.002	20	0.36	36.139	16	33.5	55.65	16	33.5	K0 M	13B	3866	J -27 3901
46		4.4T	16 38.006	-0.0010	04	-24 51 42.54	0.008	04	0.24	38.055	09	00.6	42.97	09	97.3	QE5	GC	9736K	C*-24 5176
47		9.0R	16 39.047	-0.0093	12	-24 33 40.37	-0.193	12	0.25	39.201	16	33.5	37.19	16	33.5	G M	14	4735	E -24 5177
48		8.6R	16 40.050	-0.0000	20	-29 12 12.31	0.017	20	0.36	40.051	16	33.5	12.60	16	33.5	B9 J	13B	3872	J -29 4202
49		8.7R	16 44.029	-0.0012	15	-26 54 34.65	0.001	15	0.29	44.049	16	33.5	34.66	16	33.5	G0 M	14	4739	E -26 4160
50		9.3R	16 45.358	0.0018	18	-24 6 58.30	0.053	18	0.34	45.328	16	33.5	59.17	16	33.5	B5 J	14	4737	E -23 5258
51		8.6R	7 16 45.493	-0.0004	20	-26 51 32.64	0.020	15	0.33	45.499	16	33.5	32.97	16	33.5	B5 M	14	4740	E -26 4162
52		8.7R	16 45.783	-0.0017	20	-28 54 44.43	-0.007	20	0.36	45.812	16	33.5	44.31	16	33.5	B8 J	13B	3873	J -28 4154
53		5.4T	16 48.994	-0.0016	08	-26 29 35.73	0.006	08	0.34	49.061	12	09.1	35.97	12	07.9	GOP	GC	9740	C*-26 4164
54		8.2R	16 51.867	-0.0006	18	-23 40 55.45	-0.006	18	0.34	51.876	16	33.5	55.35	16	33.5	A5 J	14	4742	E -23 5262
55		9.0R	16 53.327	-0.0014	20	-26 38 36.96	0.031	20	0.36	53.349	16	33.5	37.47	16	33.5	F8 M	14	4744	E -26 4169
56		8.5R	16 53.627	-0.0058	20	-26 50 52.26	0.031	20	0.36	53.722	16	33.5	52.77	16	33.5	K0 M	14	4745	E -26 4168
57		8.5R	16 53.817	0.0016	20	-27 48 4.49	0.026	20	0.36	53.791	16	33.5	4.91	16	33.5	K0 M	13B	3876	J -27 3905
58		8.9R	16 56.830	0.0053	20	-27 51 48.42	-0.083	20	0.36	56.743	16	33.5	47.04	16	33.5	G0 M	13B	3877	J -27 3907
59		9.1A	16 56.983	-0.0008	17	-20 32 30.58	0.006	12	0.29	56.996	16	33.5	30.68	16	33.5	A	13A	2891	A -20 1850
60		8.9A	16 58.266	-0.0006	18	-21 29 1.74	-0.023	13	0.31	58.277	16	33.5	1.36	16	33.5	G5 J	13A	2893	A -21 1867
61		9.1A	17 0.507	-0.0007	15	-21 21 52.58	-0.008	11	0.26	0.519	16	33.5	52.44	16	33.5	A0 J	13A	2895	A -21 1869
62		7.8R	17 6.229	-0.0003	20	-25 28 22.00	0.014	20	0.36	6.233	16	33.5	22.23	16	33.5	B5 J	14	4748	E -25 4354
63		9.5R	17 7.636	-0.0049	20	-22 18 29.19	-0.006	20	0.36	7.718	16	33.5	29.09	16	33.5	A0	14	4747	E -22 4345
64		7.3T	17 8.259	-0.0006	10	-24 51 45.20	0.016	08	0.52	8.290	17	97.0	46.10	15	94.0	B3	GC	9754K	C -24 5188
65		9.6R	17 11.367	-0.0007	20	-22 22 50.17	-0.001	20	0.36	11.378	16	33.5	50.15	16	33.5	A0 M	14	4749	E -22 4347
66		7.5Q	17 11.765	-0.0034	32	-21 57 22.31	-0.026	28	1.34	11.914	21	06.7	21.14	22	05.2	A2	GC	9757K	B*-21 1871
67		8.8R	17 12.285	-0.0002	20	-26 45 42.08	0.001	20	0.36	12.288	16	33.5	42.09	16	33.5	K0 M	14	4751	E -26 4175
68		7.5R	17 12.344	-0.0009	17	-28 55 11.03	-0.024	17	0.31	12.359	16	33.5	10.63	16	33.5	K2 J	13B	3880	J -28 4161
69		9.3R	17 15.975	0.0009	22	-24 35 38.84	0.023	22	0.40	15.960	16	33.5	39.22	16	33.5	B3 M	14	4752	E -24 5190
70		8.9A	17 21.732	-0.0013	17	-21 54 41.05	0.003	12	0.29	21.753	16	33.5	41.10	16	33.5	B0 J	13A	2897	A -21 1874
71		9.1R	17 30.299	-0.0018	17	-29 14 13.29	0.002	17	0.31	30.329	16	33.5	13.33	16	33.5	F2 M	13B	3883	J -29 4229
72		9.3R	17 31.749	0.0003	15	-23 55 50.69	0.011	15	0.29	31.744	16	33.5	50.86	16	33.5	B9 J	14	4754	E -23 5277
73		9.4R	17 33.899	-0.0025	18	-25 24 0.44	-0.045	18	0.34	33.940	16	33.5	59.69	16	33.5	B8 M	14	4755	E -25 4366
74		8.9R	17 37.692	0.0006	18	-26 28 37.36	0.039	18	0.34	37.683	16	33.5	38.00	16	33.5	A0 J	14	4757	E -26 4186
75		9.1A	17 37.944	0.0003	20	-21 19 47.57	-0.024	15	0.33	37.940	16	33.5	47.17	16	33.5	K7 J	13A	2900	A -21 1878
76		9.4R	17 40.812	0.0020	18	-22 48 38.35	-0.019	18	0.34	40.779	16	33.5	38.04	16	33.5	K0 M	14	4756	E -22 4362
77		9.4R	17 41.418	0.0006	20	-26 55 7.00	0.012	20	0.36	41.409	16	33.5	7.19	16	33.5	F8 M	14	4758	E -26 4187
78		9.0R	17 42.308	-0.0006	20	-28 34 42.15	0.027	20	0.36	42.318	16	33.5	42.60	16	33.5	A0 M	13B	3884	J -28 4171
79		9.1R	17 43.174	0.0036	20	-29 19 5.93	-0.002	20	0.36	43.115	16	33.5	5.91	16	33.5	A0 M	13B	3885	J -29 4231
80		9.0R	17 45.746	0.0014	12	-23 58 22.50	0.022	12	0.25	45.723	16	33.5	22.86	16	33.5	A0 J	14	4759	E -23 5285
81		9.1R	17 47.663	0.0006	18	-24 54 11.14	-0.020	18	0.34	47.654	16	33.5	10.81	16	33.5	B9 J	14	4761	E -24 5206
82		9.1R	17 48.669	-0.0009	18	-23 20 18.57	-0.022	18	0.34	48.684	16	33.5	18.21	16	33.5	A0 J	14	4760	E -23 5288
83		9.1R	17 48.986	-0.0019	17	-27 1 46.30	0.025	17	0.31	49.017	16	33.5	46.71	16	33.5	A3 M	14	4762	E -26 4189
84		8.5R	17 52.583	-0.0002	20	-27 51 38.91	-0.025	20	0.36	52.587	16	33.5	38.49	16	33.5	B9 J	13B	3887	J -27 3933
85		9.3R	17 52.790	-0.0003	18	-27 5 49.46	0.007	18	0.34	52.795	16	33.5	49.57	16	33.5	A2 M	13B	3886	J -26 4190
86		8.8R	17 53.003	-0.0003	13	-28 55 6.34	-0.027	13	0.27	53.008	16	33.5	5.91	16	33.5	K0 M	13B	3888	J -28 4178
87		8.8T	17 54.666	-0.0035	26	-20 36 34.63	0.010	22	1.04	54.806	29	09.6	35.05	26	06.5	A0	GC	9774	-20 1857
88		8.5R	17 55.178	-0.0016	15	-27 37 32.11	-0.038	12	0.27	55.206	16	33.5	31.48	16	33.5	K0 M	13B	3889	J -27 3934
89		9.6R	17 55.830	-0.0010	20	-22 29 48.90	-0.003	20	0.36	55.846	16	33.5	48.85	16	33.5	A7 M	14	4763	E -22 4364
90		8.9R	17 59.946	0.0024	17	-28 24 22.49	-0.049	17	0.31	59.907	16	33.5	21.67	16	33.5	A2 J	13B	3890	J -28 4179
91		9.1R	18 0.199	-0.0001	15	-23 59 29.09	0.001	15	0.29	0.201	16	33.5	29.10	16	33.5	B5 M	14	4765	E -23 5296
92		9.1R	18 3.022	0.0012	18	-22 47 48.51	-0.014	18	0.34	3.001	16	33.5	48.29	16	33.5	B8 J	14	4766	E -22 4367
93		9.0R	18 5.452	-0.0005	18	-25 46 20.91	-0.001	18	0.34	5.460	16	33.5	20.89	16	33.5	K M	14	4768	E -25 4380
94		9.6R	18 6.127	0.0007	20	-23 4 58.50	-0.004	20	0.36	6.116	16	33.5	58.44	16	33.5	A M	14	4767	E -22 4368
95		9.3R	18 6.206	0.0007	12	-26 52 4.74	-0.000	15	0.27	6.194	16	33.5	4.73	16	33.5	A0 M	14	4769	E -26 4196
96		9.4R	18 7.560	-0.0018	20	-28 52 38.68	0.035	20	0.36	7.590	16	33.5	39.27	16	33.5	G M	13B	3894	J -28 4184
97		9.3R	18 12.454	0.0006	20	-24 44 5.65	0.008	20	0.36	12.444	16	33.5	5.78	16	33.5	G5 M	14	4770	E -24 5219
98		8.5A	18 14.578	-0.0004	17	-21 59 25.12	-0.013	12	0.29	14.584	16	33.5	24.90	16	33.5	G5 J	13A	2906	A -21 1884
99		9.4R	18 17.341	-0.0002	15	-24 12 23.12	0.009	15	0.29	17.345	16	33.5	23.26	16	33.5	A0 M	14	4771	E -24 5223
00		8.2R	18 20.569	-0.0020	17	-29 14 40.07	-0.007	17	0.31	20.602	16	33.5	39.95	16	33.5	A0 J	13B	3896	J -29 4245

173500 — — EPOCH 1950 — ORIGINAL EPOCH — SOURCE — −20° 7H

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.		CAT.	STAR NUMBER	DM NUMBER
1		9.0R	7 18 21.800	-0.0006	15	-24 24 21.94	-0.019	15	0.29	21.809	16	33.5	21.62	16	33.5	A5	J	14	4773	E -24 5224
2		9.3R	18 22.869	0.0002	18	-26 59 35.72	-0.009	18	0.34	22.866	16	33.5	35.56	16	33.5	F8	M	14	4775	A -26 4204
3		9.2A	18 26.072	0.0006	18	-21 8 2.51	0.008	13	0.31	26.062	16	33.5	2.63	16	33.5	B5	J	13A	2908	A -20 1866
4		9.3R	18 28.463	-0.0045	15	-22 31 49.51	0.020	15	0.29	28.536	16	33.5	49.85	16	33.5	F8	M	14	4774	E -22 4376
5		6.6T	18 30.416	-0.0027	14	-26 36 22.60	0.029	12	0.71	30.552	18	99.9	24.12	18	97.1	FO		GC	9790	C -26 4208
6		9.0R	18 31.441	0.0001	18	-25 4 45.78	-0.003	18	0.34	31.439	16	33.5	45.72	16	33.5	B5	J	14	4777	E -24 5228
7		9.2R	18 31.472	0.0008	18	-22 39 11.42	0.002	18	0.34	31.458	16	33.5	11.46	16	33.5	G5	J	14	4776	E -22 4377
8		8.9R	18 36.058	0.0003	12	-24 44 13.71	0.015	12	0.25	36.054	16	33.5	13.96	16	33.5	K2	M	14	4779	E -24 5229
9		9.0R	18 36.751	-0.0014	17	-29 43 34.71	-0.008	17	0.31	36.774	16	33.5	34.59	16	33.5	K0	M	13B	3901	J -29 4253
10		9.2R	18 39.516	-0.0013	17	-29 38 14.11	-0.032	17	0.31	39.536	16	33.5	13.58	16	33.5	A0	M	13B	3902	J -29 4250
11		9.4R	18 40.483	-0.0013	20	-24 43 27.05	-0.006	20	0.36	40.504	16	33.5	26.96	16	33.5	A0	M	14	4780	E -24 5231
12		9.2R	18 41.182	-0.0003	22	-24 28 37.17	0.035	22	0.40	41.187	16	33.5	37.74	16	33.5	B5	M	14	4781	E -24 5234
13		9.5R	18 42.639	-0.0026	12	-24 10 22.38	0.013	12	0.25	42.682	16	33.5	22.59	16	33.5	A0	M	14	4782	E -24 5233
14		8.7A	18 43.776	0.0001	20	-21 28 48.68	-0.017	15	0.33	43.775	16	33.5	48.40	16	33.5	B9	J	13A	2913	A -21 1888
15		8.2A	18 44.033	-0.0020	20	-20 33 14.79	-0.031	15	0.33	44.066	16	33.5	14.27	16	33.5	A3	J	13A	2912	A -20 1869
16		9.1R	18 44.303	0.0007	20	-28 3 16.66	-0.036	20	0.36	44.292	16	33.5	16.06	16	33.5	F5	M	13B	3903	J -27 3950
17		6.5T	18 45.870	0.0001	18	-22 45 21.83	-0.044	17	0.68	45.865	18	01.7	19.67	18	00.6	B3		GC	9798	B*-22 1823
18		9.2R	18 48.624	-0.0020	18	-23 4 25.21	-0.010	18	0.34	48.656	16	33.5	25.05	16	33.5	A0	M	14	4784	E -22 4385
19		9.2R	18 51.671	0.0018	18	-27 3 47.29	0.040	18	0.34	51.642	16	33.5	47.94	16	33.5	K0	M	14	4786	E -26 4220
20		7.8R	18 52.252	-0.0012	17	-29 46 7.05	-0.033	17	0.31	52.273	16	33.5	6.51	16	33.5	B5	J	13B	3904	J -29 4260
21		9.6R	18 52.333	0.0008	20	-22 47 1.89	-0.004	20	0.36	52.320	16	33.5	1.83	16	33.5	A0	M	14	4785	E -22 4386
22		5.8T	18 53.104	0.0004	09	-26 52 7.16	0.017	08	0.36	53.088	09	09.1	7.86	09	08.3	B3		GC	9805K	C -26 4223
23		8.9R	18 56.527	-0.0021	17	-28 35 26.76	-0.019	17	0.31	56.562	16	33.5	26.46	16	33.5	K0	M	13B	3907	J -28 4204
24		8.5T	18 56.533	0.0010	16	-28 3 22.96	-0.032	17	0.82	56.483	19	01.1	21.40	21	01.8	FO		GC	9807	C -27 3954
25		9.2R	18 56.543	-0.0003	12	-23 29 27.78	-0.005	12	0.25	56.548	16	33.5	27.71	16	33.5	K0	M	14	4787	E -23 5315
26		9.4R	18 59.129	-0.0028	20	-24 14 1.55	0.016	20	0.36	59.175	16	33.5	1.81	16	33.5	A3	M	14	4789	E -24 5240
27		9.7R	18 59.198	0.0010	18	-26 26 10.86	-0.030	18	0.34	59.182	16	33.5	10.36	16	33.5	A2	M	14	4791	E -26 4225
28		8.8R	19 0.298	0.0014	18	-26 1 12.37	0.029	18	0.34	0.274	16	33.5	12.84	16	33.5	B9	J	14	4792	E -25 4399
29		6.1T	19 1.047	-0.0012	05	-25 47 46.97	0.022	05	0.25	1.102	10	05.2	48.03	10	01.5	M0		GC	9809	C*-25 4400
30		9.1A	19 1.143	-0.0005	18	-20 7 36.89	0.003	13	0.31	1.152	16	33.5	36.94	16	33.5	A0	J	13A	2915	A -19 1837
31		9.4R	19 4.291	-0.0008	18	-24 46 23.73	-0.007	18	0.34	4.305	16	33.5	23.62	16	33.5	K0	M	14	4795	E -24 5243
32		9.1A	19 4.736	-0.0006	17	-20 40 29.83	0.014	13	0.30	4.746	16	33.5	30.05	16	33.5	B8	J	13A	2917	A -20 1874
33		8.6R	19 5.931	-0.0006	18	-23 31 15.50	-0.031	18	0.34	5.940	16	33.5	14.98	16	33.5	K2	J	14	4794	E -23 5320
34		9.5R	19 7.427	-0.0008	18	-22 51 32.49	0.038	18	0.34	7.413	16	33.5	33.13	16	33.5	K	M	14	4796	E -22 4387
35		8.9R	19 8.144	-0.0026	17	-29 9 15.64	-0.019	13	0.30	8.188	16	33.5	15.32	16	33.5	K0	M	13B	3911	J -29 4263
36		8.5R	19 8.169	0.0003	20	-28 31 55.85	0.015	20	0.36	8.165	16	33.5	56.09	16	33.5	K0	M	13B	3910	J -28 4209
37		9.6R	19 11.041	0.0009	18	-22 28 57.02	0.025	18	0.34	11.026	16	33.5	57.43	16	33.5	F	M	14	4797	E -22 4390
38		9.1R	19 12.150	0.0011	20	-27 30 8.04	-0.000	20	0.36	12.132	16	33.5	8.03	16	33.5	F5	M	13B	3913	J -27 3960
39		9.6R	19 17.729	-0.0030	20	-22 22 36.46	0.006	20	0.36	17.778	16	33.5	36.56	16	33.5	K0	M	14	4798	E -22 4393
40		9.5R	19 19.458	0.0004	18	-22 15 50.48	-0.000	18	0.34	19.452	16	33.5	50.48	16	33.5	F	M	14	4799	E -22 4395
41		9.0R	19 21.606	-0.0000	20	-29 54 33.09	0.000	20	0.36	21.606	16	33.5	33.10	16	33.5	G5	M	13B	3916	J -29 4267
42		8.8R	19 24.407	-0.0003	12	-27 22 59.74	-0.010	12	0.25	24.412	16	33.5	59.57	16	33.5	K0	M	13B	3915	J -27 3968
43		9.0R	19 26.441	-0.0027	20	-28 39 55.07	0.011	20	0.36	26.485	16	33.5	55.26	16	33.5	A0	M	13B	3918	J*-28 4218
44		7.6R	19 28.349	-0.0032	15	-28 5 44.57	-0.084	15	0.29	28.403	16	33.5	44.17	16	33.5	K0	J	13B	3919	J -27 3972
45		9.5R	19 29.866	-0.0028	20	-23 42 36.46	-0.010	20	0.36	29.913	16	33.5	36.29	16	33.5	G5	M	14	4800	E -23 5330
46		9.0A	19 31.998	-0.0006	18	-20 26 3.49	0.001	13	0.31	31.998	16	33.5	3.51	16	33.5	G0	J	13A	2921	A -20 1879
47		8.9A	19 35.509	-0.0002	00	-20 18 59.96	-0.034	15	0.24	35.512	18	33.5	59.40	16	33.5	B9	J	12B	2922	A -20 1881
48		7.7R	19 35.671	0.0001	15	-24 8 11.81	-0.008	15	0.29	35.670	16	33.5	11.67	16	33.5	M2	M	14	4803	E -24 5256
49		8.7R	19 36.348	-0.0016	12	-29 56 30.38	-0.010	12	0.25	36.375	16	33.5	30.22	16	33.5	F0	M	13B	3922	J -29 4271
50		9.0R	19 36.719	-0.0001	17	-28 24 35.07	0.009	17	0.31	36.721	16	33.5	35.21	16	33.5	G5	M	13B	3921	J -28 4223
51		9.2R	7 19 39.451	0.0009	18	-26 14 35.32	-0.003	18	0.34	39.436	16	33.5	35.26	16	33.5	G5	M	14	4805	E -26 4244
52		8.9R	19 40.731	-0.0002	18	-26 52 18.34	-0.011	18	0.34	40.754	16	33.5	18.16	16	33.5	A0	J	14	4806	E -26 4246
53		8.8R	19 45.332	-0.0028	20	-23 27 39.01	0.020	20	0.36	45.378	16	33.5	39.35	16	33.5	A0	M	14	4807	E -23 5334
54		8.8R	19 46.375	-0.0031	18	-23 41 51.68	-0.009	18	0.34	46.425	16	33.5	51.52	16	33.5	B9	J	14	4808	E -23 5335
55		8.8R	19 47.670	0.0004	12	-28 35 16.86	0.008	12	0.25	47.664	16	33.5	17.00	16	33.5	A0	M	13B	3925	J -28 4226
56		8.9R	19 48.056	0.0002	22	-24 56 45.77	-0.046	22	0.40	48.053	16	33.5	45.02	16	33.5	K5	M	14	4809	E -24 5265
57		9.0R	19 51.925	-0.0004	18	-23 26 29.90	0.024	18	0.34	51.930	16	33.5	30.30	16	33.5	B9	J	14	4810	E -23 5338
58		9.2R	19 53.266	-0.0026	17	-29 34 16.21	-0.007	17	0.31	53.309	16	33.5	16.10	16	33.5	A0	M	13B	3926	J -29 4276
59		9.4R	19 53.726	-0.0001	18	-23 40 41.84	-0.017	18	0.34	53.728	16	33.5	41.55	16	33.5	B9	J	14	4811	E -23 5339
60		9.4R	20 1.837	-0.0006	18	-26 48 1.77	0.025	18	0.34	1.846	16	33.5	2.18	16	33.5	F2	M	14	4816	E -26 4256
61		9.0R	20 4.083	-0.0018	18	-23 56 39.77	-0.008	18	0.34	4.113	16	33.5	39.63	16	33.5	A0	J	14	4813	E -23 5343
62		9.4R	20 6.084	-0.0001	12	-22 37 46.64	0.000	12	0.25	6.086	16	33.5	46.65	16	33.5	A0	M	14	4814	E -2 4410
63		9.6R	20 10.051	-0.0010	16	-25 6 37.97	-0.029	18	0.34	10.068	16	33.5	37.49	16	33.5	F0	M	14	4817	E -24 5277
64		9.0R	20 11.319	0.0023	17	-28 12 25.83	0.007	17	0.31	11.282	16	33.5	25.94	16	33.5	K0	M	13B	3928	J -28 4235
65		7.3A	20 12.696	-0.0014	17	-20 24 35.73	0.022	13	0.30	12.720	16	33.5	36.10	16	33.5	M2	J	13A	2928	A -20 1889
66		9.1R	20 13.661	-0.0013	17	-28 11 21.36	-0.024	17	0.31	13.682	16	33.5	20.96	16	33.5	A0	M	13B	3929	J -28 4237
67		9.3R	20 15.196	0.0008	18	-23 38 52.84	0.012	18	0.34	15.183	16	33.5	53.03	16	33.5	K	M	14	4818	E -23 5348
68		9.0R	20 15.387	-0.0025	20	-28 52 20.80	0.015	20	0.36	15.428	16	33.5	21.06	16	33.5	F0	M	13B	3930	J -28 4240
69		8.0R	20 18.820	-0.0011	18	-24 48 26.07	-0.005	18	0.34	18.839	16	33.5	25.99	16	33.5	K2	J	14	4820	E -24 5279
70		9.0R	20 25.946	0.0001	18	-23 2 42.66	0.000	18	0.34	25.944	16	33.5	42.67	16	33.5	A0	J	14	4822	E -22 4418
71		9.3R	20 26.869	-0.0004	13	-28 48 51.54	-0.036	13	0.27	26.875	16	33.5	50.94	16	33.5	F8	M	13B	3933	J -28 4246
72		9.0A	20 27.876	0.0016	18	-21 5 43.91	0.015	13	0.31	27.851	16	33.5	44.15	16	33.5	G5	J	13A	2932	A -20 1892
73		9.2R	20 29.152	0.0020	18	-22 19 20.93	-0.025	18	0.34	29.119	16	33.5	20.52	16	33.5	F2	M	14	4823	E -22 4419
74		9.1R	20 29.244	-0.0001	20	-22 35 59.86	0.026	20	0.36	29.246	16	33.5	+ 0.30	16	33.5	G0	M	14	4824	E -22 4420
75		8.9R	20 30.871	-0.0032	20	-28 47 37.36	-0.024	20	0.36	30.925	16	33.5	36.98	16	33.5	F8	M	13B	3934	J -28 4247
76		9.2R	20 33.540	-0.0017	20	-22 33 24.07	-0.003	20	0.36	33.567	16	33.5	24.03	16	33.5	A5	M	14	4827	E -22 4422
77		8.2R	20 34.133	0.0025	18	-27 2 26.56	0.006	18	0.34	34.092	16	33.5	26.66	16	33.5	K0	J	14	4830	E -26 4268
78		9.2R	20 36.586	-0.0025	18	-23 26 5.77	0.011	18	0.34	36.628	16	33.5	5.96	16	33.5	A0	J	14	4829	E -23 5362
79		8.0R	20 38.751	-0.0026	17	-28 29 17.85	0.005	17	0.31	38.794	16	33.5	17.93	16	33.5	K5	J	13B	3937	J -28 4250
80		9.0A	20 39.427	-0.0008	18	-20 39 34.54	-0.012	13	0.31	39.440	16	33.5	34.34	16	33.5	G5	J	13A	2933	A -20 1894
81		7.0T	20 40.031	-0.0011	13	-25 54 50.42	0.014	12	0.67	40.087	21	01.0	51.16	19	96.4	B1P		GC	9849	C*-25 4439
82		8.1A	20 40.193	-0.0017	18	-21 23 18.90	0.003	13	0.31	40.221	16	33.5	18.94	16	33.5	K0	J	13A	2934	A -21 1905
83		8.9R	20 40.789	0.0006	18	-25 4 27.87	0.024	18	0.34	40.779	16	33.5	28.27	16	33.5	B3	J	14	4831	E -24 5269
84		9.4R	20 42.007	-0.0002	12	-24 9 36.40	0.005	12	0.25	42.010	16	33.5	36.48	16	33.5	A5	M	14	4832	E -24 5268
85		8.5R	20 45.434	-0.0006	12	-23 29 57.33	0.002	12	0.25	45.447	16	33.5	57.37	16	33.5	K0	J	14	4834	E -23 5363
86		9.0A	20 45.785	0.0011	20	-21 26 23.76	0.003	15	0.33	45.768	16	33.5	23.81	16	33.5	A3	J	13A	2935	A -21 1907
87		8.5R	20 45.914	0.0001	15	-26 16 0.62	0.001	15	0.29	45.912	16	33.5	0.63	16	33.5	A0	J	14	4835	E -26 4271
88		9.3R	20 51.919	-0.0000	15	-24 51 33.97	0.011	15	0.29	51.920	16	33.5	34.15	16	33.5	G	M	14	4838	E -24 5296
89		9.5R	20 53.580	0.0023	20	-22 14 3.36	0.014	20	0.36	53.541	16	33.5	3.59	16	33.5	A0	M	14	4836	E -22 4429
90		9.7R	20 54.584	0.0001	20	-22 31 28.73	-0.009	20	0.36	54.582	16	33.5	28.59	16	33.5	A0	M	14	4837	E -22 4430
91		7.5R	20 54.603	-0.0026	18	-25 40 11.91	0.022	18	0.34	54.647	16	33.5	12.27	16	33.5	M0	M	14	4839K	E -25 4441
92		8.3R	20 54.719	-0.0017	20	-26 29 26.12	0.013	20	0.36	54.747	16	33.5	26.33	16	33.5	K2	M	14	4840	E -26 4275
93		8.9R	20 55.432	-0.0029	20	-28 58 35.11	0.027	20	0.36	55.479	16	33.5	35.55	16	33.5	A0	M	13B	3942	J -28 4258
94		9.1R	20 58.828	-0.0026	21	-25 25 25.73	0.011	21	0.38	58.870	16	33.5	25.91	16	33.5	A2	M	14	4843	E -25 4446
95		8.9R	20 59.841	-0.0007	20	-25 26 1.95	0.016	20	0.36	59.852	16	33.5	2.21	16	33.5	B	M	14	4845	E -25 4447
96		7.9R	20 59.876	-0.0045	17	-29 39 12.60	-0.009	17	0.31	59.950	16	33.5	12.46	16	33.5	K0	J	13B	3944	J -29 4300
97		9.1R	21 1.059	-0.0011	18	-24 22 47.56	0.019	18	0.34	1.077	16	33.5	47.87	16	33.5	M	M	14	4844	E -24 5300
98		9.1R	21 1.100	0.0001	15	-27 17 42.15	0.042	15	0.29	1.098	16	33.5	42.84	16	33.5	A5	M	13B	3943	J -27 4008
99		9.0A	21 1.587	0.0011	15	-20 41 56.96	0.026	15	0.29	1.569	16	33.5	57.39	16	33.5	F5	J	13A	2936	A -20 1899
00		9.0R	21 3.824	-0.0015	18	-23 55 2.70	-0.013	18	0.34	3.849	16	33.5	2.48	16	33.5	G5	M	14	4847	E -23 5375

173600

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	EPOCH 1950 μ s	EPOCH 1950 σ_μ .001"	EPOCH 1950 δ_{1950} ° ′ ″	EPOCH 1950 μ' ″	EPOCH 1950 $\sigma_{\mu'}$ .001"	EPOCH 1950 σ_{1950} ″	ORIGINAL EPOCH α_2 s	ORIGINAL EPOCH σ .01"	ORIGINAL EPOCH ep.	ORIGINAL EPOCH δ_2 ″	ORIGINAL EPOCH σ' .01"	ORIGINAL EPOCH ep.	SP.		SOURCE CAT.	SOURCE STAR NUMBER	-20° 7H DM NUMBER
1		8.8R	7 21 4.329	-0.0021	20	-22 13 1.60	-0.016	20	0.36	4.364	16	33.5	1.33	16	33.5	B9	J	14	4846	E -22 4432
2		9.2R	21 4.386	-0.0014	20	-23 35 22.90	-0.035	20	0.36	4.408	16	33.5	22.32	16	33.5	K2	M	14	4848	E -23 5376
3		8.7R	21 6.793	0.0005	20	-28 28 38.60	-0.048	20	0.36	6.786	16	33.5	37.80	16	33.5	G0	M	13B	3945	J -28 4261
4		8.6R	21 8.628	0.0015	15	-24 3 52.47	0.002	15	0.29	8.604	16	33.5	52.50	16	33.5	G5	J	14	4849	E -23 5378
5		9.0R	21 8.829	0.0018	17	-28 56 20.82	-0.007	17	0.31	8.800	16	33.5	20.70	16	33.5	K	M	13B	3946	J -28 4263
6		9.0A	21 11.080	0.0021	20	-21 17 35.45	-0.019	15	0.33	11.046	16	33.5	35.13	16	33.5	B9	J	13A	2939	A -21 1909
7		8.7R	21 12.955	-0.0016	20	-27 32 54.35	0.049	20	0.36	12.981	16	33.5	55.15	16	33.5	A3	J	13B	3948	J -27 4013
8		9.1R	21 13.026	-0.0003	17	-28 52 14.03	-0.011	17	0.31	13.031	16	33.5	13.86	16	33.5	K2	M	13B	3949	J -28 4267
9		7.7A	21 13.737	-0.0009	11	-20 7 56.65	0.018	09	0.22	13.753	16	33.5	56.95	16	33.5	B2	J	13A	2940	A -19 1854
10		9.2R	21 14.898	-0.0010	13	-22 34 23.46	-0.006	13	0.27	14.914	16	33.5	23.37	16	33.5	B9	J	14	4851	E -22 4437
11		9.0A	21 16.312	0.0003	18	-20 35 21.67	0.017	13	0.31	16.308	16	33.5	21.95	16	33.5	A0	J	13A	2941	A -20 1901
12		8.5A	21 17.436	-0.0007	18	-21 24 39.12	-0.000	13	0.31	17.448	16	33.5	39.12	16	33.5	A2	J	13A	2942	A -21 1912
13		9.8R	21 17.513	-0.0049	20	-22 30 51.00	-0.009	20	0.36	17.594	16	33.5	50.86	16	33.5	A0	M	14	4852	E -22 4438
14		9.1R	21 17.602	-0.0023	20	-27 33 51.19	-0.011	20	0.36	17.640	16	33.5	51.00	16	33.5	K7	M	13B	3950	J -27 4015
15		8.7R	21 20.634	0.0006	18	-23 49 56.69	-0.016	18	0.34	20.624	16	33.5	56.42	16	33.5	A2	J	14	4853	E -23 5382
16		8.7R	21 20.798	-0.0023	20	-28 45 24.19	-0.011	20	0.36	20.837	16	33.5	24.02	16	33.5	G5	M	13B	3952	J -28 4270
17		8.7R	21 21.719	-0.0016	20	-29 58 49.66	-0.022	20	0.36	21.745	16	33.5	49.30	16	33.5	B9	J	13B	3953	J -29 4310
18		8.6R	21 25.080	0.0006	18	-24 51 23.97	-0.006	18	0.34	25.070	16	33.5	23.88	16	33.5	K2	J	14	4855	E -24 5310
19		8.7R	21 26.323	-0.0030	18	-22 25 11.68	-0.047	18	0.34	26.372	16	33.5	10.90	16	33.5	K0	J	14	4854	E -22 4441
20		8.5R	21 26.479	0.0003	18	-26 27 47.11	0.012	18	0.34	26.474	16	33.5	47.30	16	33.5	A0	J	14	4856	E -26 4290
21		8.8R	21 27.746	-0.0013	20	-25 58 59.08	0.042	20	0.36	27.768	16	33.5	59.77	16	33.5	K0	J	14	4860	E -25 4459
22		5.1T	21 28.181	0.0031	12	-27 44 9.90	0.003	12	0.67	28.019	17	98.1	10.05	18	96.3	K2		GC	9870	C*-27 4020
23		8.8R	21 28.226	-0.0020	18	-22 48 15.91	-0.020	18	0.34	28.259	16	33.5	15.59	16	33.5	F8	J	14	4856	E -22 4444
24		9.1A	21 29.825	-0.0009	18	-21 18 4.39	-0.022	13	0.31	29.841	16	33.5	4.02	16	33.5	A0	J	13A	2946	A -21 1913
25		9.2R	21 30.192	0.0005	18	-25 17 19.84	0.001	18	0.34	30.184	16	33.5	19.85	16	33.5	B9	J	14	4862	E -25 4460
26		9.5R	21 31.854	0.0020	18	-22 55 18.99	-0.007	18	0.34	31.821	16	33.5	18.88	16	33.5	A0	J	14	4859	E -22 4447
27		9.4R	21 32.102	0.0040	20	-24 41 9.03	-0.028	20	0.36	32.036	16	33.5	8.57	16	33.5	G0	M	14	4863	E -24 5313
28		9.1R	21 33.837	-0.0022	20	-28 35 57.93	-0.033	20	0.36	33.873	16	33.5	57.40	16	33.5	K	M	13B	3957	J -28 4274
29		9.6R	21 35.665	0.0012	20	-24 15 34.73	0.017	20	0.36	35.644	16	33.5	35.00	16	33.5	A5	M	14	4865	E -24 5315
30		9.0R	21 35.998	-0.0006	18	-22 46 5.04	0.012	18	0.34	36.007	16	33.5	5.25	16	33.5	A0	J	14	4864	E -22 4451
31		9.2R	21 41.410	-0.0004	15	-23 32 34.73	0.010	15	0.29	41.417	16	33.5	34.89	16	33.5	K0	M	14	4866	E -23 5391
32		8.5R	21 42.912	-0.0001	20	-28 18 46.74	0.014	20	0.36	42.913	16	33.5	46.96	16	33.5	F2	J	13B	3959	J -28 4277
33		8.7A	21 43.699	-0.0003	18	-20 36 38.56	0.008	13	0.31	43.704	16	33.5	38.69	16	33.5	A0	J	13A	2951	A -20 1903
34		9.4R	21 43.886	-0.0004	15	-26 8 51.69	0.006	15	0.29	43.893	16	33.5	51.78	16	33.5	B8	M	14	4868	E -26 4296
35		9.1R	21 47.505	0.0016	20	-28 20 3.21	0.035	20	0.36	47.479	16	33.5	3.78	16	33.5	A0	M	13B	3962	J -28 4279
36		8.8R	21 48.363	-0.0026	18	-23 50 5.98	-0.002	18	0.34	48.405	16	33.5	5.94	16	33.5	B3	J	14	4869	E -23 5395
37		9.2R	21 52.333	-0.0049	20	-28 28 51.70	0.005	20	0.36	52.415	16	33.5	51.78	16	33.5	K	M	13B	3964	J -28 4280
38		9.0R	21 52.551	-0.0004	18	-24 13 7.77	-0.020	18	0.34	52.544	16	33.5	7.43	16	33.5	K0	M	14	4871	E -24 5323
39		8.9R	21 52.556	-0.0004	15	-25 25 43.17	0.010	15	0.29	52.563	16	33.5	43.33	16	33.5	B8	J	14	4872	E -25 4465
40		6.9T	21 53.731	-0.0026	05	-29 11 28.21	-0.001	05	0.27	53.851	10	03.1	28.19	12	03.0	A0		GC	9881	C -29 4321
41		9.5R	21 54.954	0.0031	20	-24 15 35.11	0.028	20	0.36	54.902	16	33.5	35.57	16	33.5	K	M	14	4873	E -24 5326
42		9.1R	21 56.637	0.0022	20	-24 15 24.83	-0.005	20	0.36	56.601	16	33.5	24.74	16	33.5	F	M	14	4875	E -24 5326
43		8.7R	21 57.024	-0.0000	18	-25 32 33.80	0.032	18	0.34	57.025	16	33.5	34.32	16	33.5	A0	J	14	4876	E -25 4468
44		8.9R	21 57.752	-0.0003	18	-25 35 48.33	0.024	18	0.34	57.758	16	33.5	48.72	16	33.5	G	M	14	4877	E -25 4469
45		9.3R	21 59.080	-0.0038	20	-29 33 33.55	0.010	20	0.36	59.144	16	33.5	33.72	16	33.5	B9	M	13B	3968	J -29 4323
46		8.6A	22 0.056	0.0003	20	-21 30 12.42	-0.002	15	0.33	0.051	16	33.5	12.38	16	33.5	A0	J	13A	2952	A -21 1918
47		8.7R	22 3.134	-0.0001	18	-26 16 44.29	-0.027	18	0.34	3.136	16	33.5	43.84	16	33.5	A3	J	14	4880	E -26 4304
48		9.4R	22 4.259	-0.0009	18	-23 7 31.64	0.012	18	0.34	4.275	16	33.5	31.85	16	33.5	K0	M	14	4879	E -22 4460
49		7.7R	22 4.266	-0.0003	20	-22 15 48.96	-0.000	20	0.36	4.270	16	33.5	48.96	16	33.5	K5	J	14	4878	E -22 4458
50		9.2R	22 4.687	-0.0006	20	-26 0 54.08	-0.129	20	0.36	4.698	16	33.5	51.95	16	33.5	F5	M	14	4882	E -25 4472
51		2.4H	7 22 6.972	-0.0006	01	-29 12 16.04	0.002	02	0.06	6.996	03	13.0	16.13	04	11.7	B5P		F4	283	C -29 4328
52		9.1R	22 7.297	0.0004	20	-23 15 32.43	0.009	20	0.36	7.291	16	33.5	32.59	16	33.5	B8	J	14	4881	E -23 5402
53		8.0R	22 8.080	0.0001	20	-27 8 18.81	0.009	20	0.36	8.079	16	33.5	18.95	16	33.5	K0	J	13B	3970	J -26 4307
54		6.6T	22 8.576	-0.0012	13	-28 43 45.24	0.000	13	0.69	8.633	17	00.8	45.27	18	99.1	B5		GC	9887	C -28 4286
55		9.3A	22 9.446	-0.0015	20	-21 23 40.77	-0.015	15	0.33	9.471	16	33.5	40.51	16	33.5			13A	2955	A -21 1920
56		6.1T	22 9.813	-0.0015	15	-22 48 50.25	-0.003	13	0.73	9.886	18	01.2	50.11	18	00.2	B9		GC	9890	-22 1855
57		9.6R	22 10.169	-0.0012	12	-22 31 59.42	0.052	12	0.25	10.189	16	33.5	+ 0.29	16	33.5	K	M	14	4884	E -22 4463
58		8.5R	22 13.420	0.0014	18	-25 27 8.86	-0.022	18	0.34	13.397	16	33.5	8.49	16	33.5	K0	J	14	4885	E -25 4475
59		9.2R	22 17.850	0.0007	15	-24 44 11.69	-0.010	15	0.29	17.839	16	33.5	11.53	16	33.5	F0	J	14	4886	E -24 5337
60		9.5R	22 18.100	0.0009	18	-26 24 31.47	-0.008	18	0.34	18.085	16	33.5	31.33	16	33.5	B	M	14	4888	E -26 4310
61		9.5R	22 19.350	0.0017	15	-24 6 46.99	0.016	15	0.29	19.322	16	33.5	47.25	16	33.5	K2	M	14	4887	E -23 5409
62		8.9R	22 19.618	-0.0017	17	-26 29 58.58	0.006	17	0.31	19.646	16	33.5	58.67	16	33.5	A2	J	14	4889	E -26 4311
63		8.9R	22 21.038	-0.0004	20	-25 38 34.90	0.003	20	0.36	21.045	16	33.5	34.95	16	33.5	A0	J	14	4890	E -25 4481
64		8.8R	22 23.717	-0.0010	21	-24 48 45.47	0.017	21	0.38	23.733	16	33.5	45.75	16	33.5	K2	M	14	4891	E -24 5340
65		8.4R	22 24.150	-0.0007	20	-28 4 53.50	-0.008	20	0.36	24.161	16	33.5	53.36	16	33.5	K7	M	13B	3981	J -27 4030
66		9.1R	22 25.117	-0.0032	20	-27 33 24.17	-0.039	20	0.36	25.170	16	33.5	23.52	16	33.5	A0	M	13B	3982	J -27 4031
67		9.1A	22 30.877	0.0018	18	-20 41 25.53	-0.006	13	0.31	30.847	16	33.5	25.42	16	33.5	F8	J	13A	2958	A -20 1911
68		8.9R	22 31.278	-0.0000	18	-25 56 45.34	0.010	18	0.34	31.279	16	33.5	45.50	16	33.5	G5	M	14	4892	E -25 4486
69		9.1R	22 32.440	-0.0017	20	-28 13 24.83	0.001	20	0.36	32.468	16	33.5	24.84	16	33.5	A0	M	13B	3984	J -28 4296
70		9.2A	22 32.812	-0.0016	20	-20 36 44.69	-0.000	15	0.33	32.838	16	33.5	44.69	16	33.5	B2	J	13A	2959	A -20 1912
71		8.4R	22 34.256	0.0012	20	-26 34 48.70	0.026	20	0.36	34.235	16	33.5	49.12	16	33.5	A0	J	14	4894	E -26 4315
72		8.3R	22 35.183	-0.0030	17	-28 1 9.12	-0.016	17	0.31	35.233	16	33.5	8.85	16	33.5	A3	J	13B	3986	J -27 4035
73		9.2R	22 35.634	-0.0023	20	-29 31 5.18	-0.006	20	0.36	35.672	16	33.5	5.09	16	33.5			13B	3987	J -29 4343
74		9.3R	22 40.846	0.0011	20	-26 24 25.18	-0.002	20	0.36	40.829	16	33.5	25.14	16	33.5	K0	M	14	4899	E -26 4321
75		9.0R	22 42.316	-0.0019	15	-24 57 3.89	-0.016	15	0.29	42.348	16	33.5	3.63	16	33.5	F2	J	14	4897	E -24 5346
76		9.1R	22 43.284	-0.0008	18	-23 39 23.71	-0.008	18	0.34	43.297	16	33.5	23.57	16	33.5	G5	J	14	4896	E -23 5414
77		8.8R	22 46.904	-0.0008	18	-22 46 54.37	-0.028	18	0.34	46.917	16	33.5	53.91	16	33.5	A0	J	14	4900	E -22 4474
78		9.0R	22 51.103	-0.0013	18	-24 42 49.17	0.034	18	0.34	51.126	16	33.5	49.73	16	33.5	K5	M	14	4902	E -24 5349
79		8.3A	22 52.342	-0.0005	18	-21 3 33.66	0.002	13	0.31	52.351	16	33.5	33.69	16	33.5	B2	J	13A	2965	A -20 1916
80		9.2R	22 52.684	-0.0014	20	-29 53 47.17	0.045	20	0.36	52.707	16	33.5	47.91	16	33.5	G0	M	13B	3994	J*-29 4350
81		8.5R	22 53.613	-0.0001	18	-24 19 36.28	0.001	18	0.34	53.615	16	33.5	36.29	16	33.5	B5	J	14	4905	E -24 5350
82		8.6R	22 53.706	-0.0016	18	-23 59 36.75	-0.022	18	0.34	53.732	16	33.5	36.38	16	33.5	K2	M	14	4903	E -23 5421
83		9.1R	22 54.333	-0.0001	18	-23 44 9.11	0.010	18	0.34	54.334	16	33.5	9.27	16	33.5	A5	J	14	4904	E -23 5422
84		6.7T	22 58.281	-0.0013	17	-21 4 28.15	-0.037	15	0.73	58.336	21	06.9	26.47	19	05.1	B2		GC	9910K	B*-20 1919
85		8.4A	23 2.444	-0.0015	20	-20 55 27.10	-0.012	15	0.33	2.469	16	33.5	26.90	16	33.5	B5	J	13A	2968	A -20 1920
86		8.8R	23 4.950	-0.0016	15	-26 49 58.86	-0.006	15	0.29	4.976	16	33.5	58.75	16	33.5	B8	J	14	4907	E -26 4331
87		9.3R	23 5.045	-0.0027	20	-27 17 27.61	-0.007	20	0.36	5.089	16	33.5	27.49	16	33.5	A0	M	13B	3997	J -27 4044
88		9.7R	23 10.120	0.0020	20	-22 25 58.83	0.043	15	0.33	10.087	16	33.5	59.54	16	33.5	B8	M	14	4906	E -22 4483
89		9.0R	23 10.419	0.0004	17	-29 8 7.21	-0.027	17	0.31	10.413	16	33.5	6.78	16	33.5	B8	M	13B	3999	J -28 4312
90		9.5R	23 10.572	0.0005	20	-23 26 57.75	0.005	20	0.36	10.563	16	33.5	57.84	16	33.5	K0	M	14	4908	E -23 5431
91		5.9T	23 11.334	-0.0011	20	-21 52 57.57	-0.000	18	0.93	11.388	19	02.6	57.56	19	01.5	A5		GC	9916	-21 1925
92		7.8R	23 15.945	-0.0025	12	-28 5 12.95	-0.015	12	0.25	15.986	16	33.5	12.69	16	33.5	B8	J	13B	4000	J -27 4051
93		8.7R	23 16.831	-0.0021	20	-27 31 52.07	0.002	20	0.36	16.866	16	33.5	52.10	16	33.5	B9	J	13B	4001	J -27 4050
94		8.6R	23 18.123	-0.0026	20	-27 57 57.80	-0.006	20	0.36	18.167	16	33.5	57.69	16	33.5	A0	J	13B	4002	J -27 4054
95		9.2R	23 19.212	0.0025	18	-23 55 2.45	-0.002	18	0.34	19.171	16	33.5	2.41	16	33.5	K5	M	14	4910	E -23 5436
96		9.0R	23 20.640	-0.0010	17	-29 53 23.61	-0.014	17	0.31	20.657	16	33.5	23.38	16	33.5	G0	M	13B	4003	J -29 4362
97		5.9T	23 20.792	-0.0018	08	-25 7 3.01	0.002	07	0.33	20.867	12	09.5	3.08	12	06.7	B9		GC	9920	C -24 5366
98		9.3R	23 20.860	-0.0018	17	-26 44 27.07	-0.039	17	0.31	20.890	16	33.5	26.42	16	33.5	G0	M	14	4913	E -26 4339
99		9.0A	23 21.573	-0.0006	18	-21 48 17.36	-0.001	13	0.31	21.583	16	33.5	17.34	16	33.5	B9	J	13A	2971	A -21 1928
00		8.8R	23 24.684	0.0010	17	-29 15 55.27	-0.004	17	0.31	24.667	16	33.5	55.21	16	33.5	G5	J	13B	4005	J -29 4363

173700

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ_α s	σ_{μ_α} ″.001	EPOCH 1950 δ_{1950} ° ′ ″	μ_δ ″	σ_{μ_δ} ″.001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ_{α_2} ″.01	ep.	δ_2 ″	σ_{δ_2} ″.01	ep.	SP.		SOURCE CAT.	STAR NUMBER	-20° 7H DM NUMBER
1		9.3R	7 23 26.517	-0.0004	18	-24 35 58.42	-0.007	18	0.34	26.524	16	33.5	58.31	16	33.5	M0	M	14	4914	E -24 5369
2		9.5R	23 30.074	-0.0003	17	-29 24 14.10	0.016	17	0.31	30.079	16	33.5	14.37	16	33.5	A0	M	13B	4006	J -29 4367
3		7.2T	23 30.962	-0.0009	13	-26 31 29.82	0.015	15	0.74	31.008	18	99.5	30.56	19	00.0	A2		GC	9928	C -26 4341
4		9.4R	23 34.356	-0.0007	17	-28 25 11.45	0.033	17	0.31	34.371	16	33.5	11.99	16	33.5	K2	M	13B	4007	J -28 4323
5		9.0R	23 35.575	-0.0003	16	-25 57 42.39	-0.009	16	0.34	35.581	16	33.5	42.44	16	33.5	A2	J	14	4917	E -25 4510
6		9.1R	23 36.185	0.0004	15	-26 10 29.11	0.018	15	0.29	36.179	16	33.5	29.40	16	33.5	F	M	14	4918	E -26 4345
7		9.4R	23 36.540	0.0019	18	-26 10 40.55	-0.001	18	0.34	36.509	16	33.5	40.53	16	33.5	F	M	14	4919	E -26 4343
8		9.1R	23 36.477	0.0000	12	-22 45 34.62	-0.007	15	0.27	36.476	16	33.5	34.51	16	33.5	B8	J	14	4916	E -22 4492
9		9.4R	23 42.202	0.0003	15	-22 14 31.27	0.021	15	0.29	42.197	16	33.5	31.61	16	33.5	B9	J	14	4920	E -22 4495
10		9.7R	23 42.738	0.0019	15	-22 22 2.86	-0.015	15	0.29	42.707	16	33.5	2.61	16	33.5	A0	M	14	4921	E -22 4494
11		9.3R	23 44.673	-0.0007	20	-28 2 33.90	0.015	20	0.36	44.685	16	33.5	34.14	16	33.5	A0	J	13B	4008	J -27 4061
12		8.8R	23 44.848	0.0006	18	-24 43 33.63	-0.008	18	0.34	44.840	16	33.5	33.50	16	33.5	K0	J	14	4923	E -24 5378
13		9.1R	23 45.321	0.0004	15	-23 34 54.07	0.014	15	0.29	45.314	16	33.5	54.29	16	33.5	K0	J	14	4922	E -23 5448
14		9.1R	23 50.441	-0.0014	22	-23 30 35.43	-0.012	22	0.40	50.466	16	33.5	35.22	16	33.5	F5	M	14	4924	E -23 5449
15		9.7R	23 50.636	-0.0011	20	-24 47 47.50	-0.050	20	0.36	50.654	16	33.5	46.68	16	33.5	A5	M	14	4925	E -24 5382
16		9.5R	23 52.590	-0.0014	18	-26 16 8.25	-0.014	18	0.34	52.613	16	33.5	8.02	16	33.5	B9	M	14	4926	E -26 4352
17		8.9R	23 55.215	0.0001	17	-29 0 1.46	0.024	17	0.31	55.214	16	33.5	1.86	16	33.5	K0	M	13B	4010	J -28 4330
18		8.9R	23 57.154	-0.0022	22	-24 58 37.12	0.012	22	0.40	57.190	16	33.5	37.32	16	33.5	K2	M	14	4930	E -24 5386
19		9.0R	23 57.460	-0.0008	18	-24 2 52.15	-0.002	18	0.34	57.473	16	33.5	52.11	16	33.5	F5	M	14	4929	E -23 5456
20		9.6R	23 58.759	0.0027	20	-22 40 21.55	0.037	20	0.36	58.714	16	33.5	22.17	16	33.5	A0	M	14	4927	E -22 4503
21		8.8A	24 0.876	-0.0001	20	-22 7 2.78	-0.024	15	0.33	0.878	16	33.5	2.38	16	33.5	B8	J	13A	2978	A -21 1936
22		8.6A	24 1.021	0.0004	18	-20 18 6.13	0.007	13	0.31	1.014	16	33.5	6.25	16	33.5	F0	J	13A	2977	A -20 1935
23		9.4R	24 1.200	-0.0051	20	-24 16 29.93	-0.119	20	0.36	1.284	16	33.5	27.96	16	33.5	G5	M	14	4931	E -24 5388
24		7.5T	24 2.904	-0.0005	13	-26 41 22.33	0.026	13	0.71	2.930	17	99.4	23.70	18	96.6	K0		GC	9941	C -26 4355
25		7.7A	24 3.386	0.0020	17	-20 48 18.52	0.016	13	0.30	3.354	16	33.5	18.78	16	33.5	B9	J	13A	2979	A -20 1936
26		9.4R	24 4.308	-0.0007	20	-23 15 36.49	0.002	20	0.36	4.319	16	33.5	36.53	16	33.5	K0	M	14	4932	E -23 5459
27		8.6R	24 8.012	-0.0010	18	-26 8 5.36	0.043	18	0.34	8.029	16	33.5	6.08	16	33.5	B8	J	14	4935	E -25 4518
28		9.1A	24 10.276	-0.0009	18	-21 52 12.92	-0.003	13	0.31	10.293	16	33.5	12.87	16	33.5	F8	J	13A	2980	A -21 1937
29		9.7R	24 13.329	-0.0014	20	-23 53 30.81	-0.024	20	0.36	13.352	16	33.5	30.41	16	33.5	A2	M	14	4937	E -23 5463
30		9.2R	24 13.534	-0.0018	22	-24 56 1.20	-0.003	22	0.40	13.564	16	33.5	1.15	16	33.5	A0	J	14	4938	E -24 5394
31		9.0R	24 14.721	-0.0013	17	-28 50 27.59	-0.006	17	0.31	14.742	16	33.5	27.50	16	33.5	K5	M	13B	4013	J -28 4337
32		8.3R	24 15.761	-0.0026	20	-28 3 40.91	-0.005	20	0.36	15.803	16	33.5	40.82	16	33.5	F0	J	13B	4012K	J -27 4070
33		9.2R	24 17.180	-0.0001	18	-23 41 40.11	0.019	16	0.34	17.162	16	33.5	40.42	16	33.5	K0	M	14	4939	E -23 5467
34		9.0R	24 17.717	0.0010	18	-26 34 4.42	0.013	18	0.34	17.700	16	33.5	4.63	16	33.5	A3	J	14	4941	E -26 4360
35		8.5R	24 18.902	-0.0009	12	-26 55 58.39	-0.020	12	0.25	18.917	16	33.5	58.06	16	33.5	A2	J	14	4943	E -26 4362
36		9.0R	24 20.557	0.0028	18	-23 38 28.95	0.004	18	0.34	20.511	16	33.5	29.01	16	33.5	K7	M	14	4940	E -23 5468
37		9.0R	24 21.086	0.0006	20	-27 23 50.02	0.019	20	0.36	21.076	16	33.5	50.33	16	33.5	K2	M	13B	4015	J -27 4072
38		9.5R	24 23.649	-0.0026	20	-27 52 7.98	-0.016	20	0.36	23.693	16	33.5	7.71	16	33.5	B9	M	13B	4016	J -27 4073
39		9.0A	24 25.780	0.0003	20	-21 53 44.01	-0.031	15	0.33	25.775	16	33.5	43.49	16	33.5	K0	J	13A	2983	A -21 1939
40		9.2R	24 29.979	-0.0021	18	-22 19 0.94	0.002	18	0.34	30.013	16	33.5	0.97	16	33.5	M	M	14	4944	E -22 4518
41		8.0R	24 31.477	-0.0001	18	-22 58 49.75	0.011	18	0.34	31.478	16	33.5	49.94	16	33.5	A0	J	14	4946	E -22 4519
42		8.8R	24 32.758	-0.0041	21	-23 25 48.42	-0.031	21	0.38	32.825	16	33.5	47.91	16	33.5	B8	J	14	4947	E -23 5476
43		6.5T	24 34.237	-0.0008	14	-23 36 39.08	0.020	12	0.70	34.279	18	99.2	40.15	18	96.1	A0		GC	9952	C -23 5477
44		8.4R	24 34.790	-0.0004	15	-24 21 38.01	0.014	15	0.29	34.796	16	33.5	38.23	16	33.5	A2	J	14	4949	E -24 5400
45		9.3R	24 34.800	-0.0044	20	-24 45 10.46	-0.077	20	0.36	34.872	16	33.5	9.19	16	33.5	K	M	14	4950	E -24 5401
46		8.9A	24 35.301	-0.0014	18	-22 7 3.10	-0.005	13	0.31	35.324	16	33.5	3.02	16	33.5	K0	J	13A	2985	A -21 1941
47		8.6R	24 37.759	-0.0010	15	-26 24 39.10	-0.008	15	0.29	37.776	16	33.5	38.96	16	33.5	A3	J	14	4952	E -26 4367
48		8.6R	24 41.463	-0.0013	12	-28 43 45.39	-0.009	12	0.25	41.486	16	33.5	45.25	16	33.5	F0	J	13B	4018	J -28 4350
49		9.2R	24 42.076	0.0001	20	-22 53 8.00	0.012	20	0.36	42.073	16	33.5	8.21	16	33.5	K0	M	14	4951	E -22 4521
50		9.7R	24 42.706	-0.0011	20	-22 48 10.97	-0.082	20	0.36	42.723	16	33.5	9.62	16	33.5	A0	M	14	4953	E -22 4522
51		9.4A	7 24 49.674	-0.0001	18	-20 48 3.73	-0.003	13	0.31	49.676	16	33.5	3.68	16	33.5	B3	J	13A	2986	A -20 1946
52		5.5T	24 52.189	-0.0012	07	-22 59 2.77	0.001	07	0.28	52.253	07	09.8	2.82	07	09.8	B2P		GC	9960	B+-22 1874
53		9.2R	24 52.475	-0.0004	20	-24 10 41.66	0.014	20	0.36	52.481	16	33.5	41.88	16	33.5			14	4956	E -24 5407
54		8.9A	24 52.781	-0.0000	18	-21 43 11.36	-0.020	13	0.31	52.782	16	33.5	11.03	16	33.5	A0	J	13A	2987	A -21 1943
55		9.4R	24 53.092	0.0028	18	-22 55 47.08	-0.016	18	0.34	53.046	16	33.5	46.82	16	33.5			14	4955	E -22 4524
56		9.1R	24 53.262	-0.0030	12	-24 12 54.15	0.009	12	0.25	53.311	16	33.5	54.29	16	33.5	A0	J	14	4957	E -24 5408
57		9.2R	24 53.875	-0.0008	12	-29 12 53.23	-0.009	12	0.25	53.887	16	33.5	53.09	16	33.5	G	M	13B	4019	J -29 4393
58		9.0R	24 55.068	-0.0007	12	-29 23 5.69	-0.012	12	0.25	55.080	16	33.5	5.50	16	33.5	A5	M	13B	4020	J -29 4395
59		9.2R	24 57.958	-0.0016	13	-22 37 58.48	0.006	13	0.27	57.984	16	33.5	58.59	16	33.5	F5	M	14	4958	E -22 4527
60		9.4R	24 58.234	-0.0012	15	-26 35 4.71	0.045	15	0.29	58.254	16	33.5	5.45	16	33.5	K0	M	14	4959	E -26 4377
61		9.0R	25 1.544	-0.0041	22	-24 43 56.41	0.008	22	0.40	1.613	16	33.5	56.54	16	33.5	K0	M	14	4960	E -24 5419
62		9.2R	25 3.824	-0.0021	20	-23 46 16.65	-0.015	20	0.36	3.859	16	33.5	16.40	16	33.5			14	4961	E -23 5491
63		9.4R	25 4.460	-0.0010	20	-24 4 46.45	0.008	20	0.36	4.476	16	33.5	46.58	16	33.5	A0	M	14	4962	E -23 5492
64		9.2R	25 11.028	-0.0003	13	-23 49 41.23	-0.019	13	0.27	11.033	16	33.5	40.91	16	33.5	B8	M	14	4964	E -23 5495
65		9.2R	25 13.234	-0.0024	22	-23 22 43.59	0.026	22	0.40	13.273	16	33.5	44.03	16	33.5	F0	M	14	4965	E -23 5496
66		9.0R	25 15.707	0.0024	17	-28 20 13.94	0.042	17	0.31	15.667	16	33.5	14.63	16	33.5	F8	M	13B	4022	J -28 4359
67		9.1R	25 17.314	-0.0009	15	-23 50 22.11	0.005	15	0.29	17.329	16	33.5	22.19	16	33.5	B	M	14	4966	E -23 5500
68		9.1R	25 17.629	-0.0007	17	-28 10 34.47	-0.018	17	0.31	17.842	16	33.5	34.16	16	33.5	A0	J	13B	4021	J -28 4362
69		9.2R	25 22.714	-0.0021	22	-23 41 0.18	0.008	22	0.40	22.749	16	33.5	0.31	16	33.5	A0	J	14	4967	E -23 5504
70		8.2A	25 24.182	-0.0014	18	-21 2 36.66	-0.013	13	0.31	24.205	16	33.5	36.44	16	33.5	+++	J	13A	2995	A -20 1951
71		9.6R	25 24.701	0.0012	20	-22 38 19.02	-0.035	20	0.36	24.681	16	33.5	18.45	16	33.5	A5	M	14	4968	E -22 4534
72		9.2R	25 25.179	-0.0014	12	-29 38 41.72	-0.011	12	0.25	25.202	16	33.5	41.55	16	33.5	K	M	13B	4025	J -29 4406
73		8.1R	25 26.291	-0.0011	18	-24 56 44.76	-0.015	18	0.34	26.310	16	33.5	44.52	16	33.5	A0	J	14	4970	E -24 5426
74		8.9R	25 27.453	0.0021	17	-28 12 16.72	0.016	17	0.31	27.418	16	33.5	16.98	16	33.5	F5	J	13B	4026	J -28 4367
75		8.5R	25 28.580	-0.0009	20	-27 17 49.92	0.016	20	0.36	28.595	16	33.5	50.18	16	33.5	F0	J	13B	4027	J -27 4097
76		8.8A	25 29.760	-0.0006	15	-20 2 46.06	0.017	11	0.26	29.769	16	33.5	46.34	16	33.5	A0	J	13A	2996	A -19 1897
77		8.6R	25 31.822	-0.0023	15	-26 55 15.50	-0.003	15	0.29	31.859	16	33.5	15.44	16	33.5	B8	J	14	4972	E -26 4389
78		5.7T	25 35.309	-0.0007	09	-22 45 23.92	-0.020	09	0.38	35.336	10	10.6	23.12	10	09.4	B8		GC	9981	-22 1878
79		8.6A	25 38.084	0.0003	20	-20 6 19.31	-0.002	15	0.33	38.080	16	33.5	19.28	16	33.5	F2	J	13A	2997	A -19 1898
80		8.5R	25 38.591	-0.0010	18	-26 8 1.22	-0.006	18	0.34	38.608	16	33.5	1.12	16	33.5	A2	J	14	4975	E -25 4546
81		8.6R	25 39.423	0.0027	17	-28 14 47.35	-0.012	17	0.31	39.378	16	33.5	47.14	16	33.5	K5	M	13B	4031	J -28 4374
82		8.9R	25 39.472	-0.0025	20	-27 39 20.50	0.020	20	0.36	39.514	16	33.5	20.82	16	33.5	B9	J	13B	4030	J -27 4100
83		8.5R	25 39.830	-0.0001	18	-24 40 17.03	-0.004	18	0.34	39.832	16	33.5	16.97	16	33.5	G5	J	14	4974	E -24 5435
84		8.4A	25 39.923	-0.0015	17	-20 4 44.06	0.017	13	0.30	39.948	16	33.5	44.34	16	33.5	K	J	13A	2999	A -19 1899
85		9.0R	25 40.333	-0.0007	18	-23 54 12.10	-0.010	18	0.34	40.344	16	33.5	11.93	16	33.5	B9	J	14	4973	E -23 5516
86		8.9R	25 40.413	-0.0013	20	-29 25 33.34	-0.015	20	0.36	40.435	16	33.5	33.10	16	33.5	F5	M	13B	4033	J -29 4412
87		8.1R	25 42.222	-0.0029	12	-26 58 21.45	0.001	12	0.25	42.270	16	33.5	21.46	16	33.5	K0	J	14	4977	E -26 4394
88		9.0A	25 43.927	0.0007	20	-20 23 40.87	-0.018	15	0.33	43.916	16	33.5	40.58	16	33.5	A0	J	13A	3000	A -20 1953
89		9.0A	25 44.301	-0.0005	18	-21 46 34.32	-0.013	13	0.31	44.310	16	33.5	34.10	16	33.5	B8	J	13A	3001	A -21 1949
90		9.2R	25 47.131	0.0012	20	-22 56 44.36	-0.030	20	0.36	47.110	16	33.5	43.87	16	33.5	B5	M	14	4976	E -22 4544
91		9.4R	25 47.423	-0.0009	18	-25 40 14.93	0.016	18	0.34	47.439	16	33.5	15.19	16	33.5	K0	M	14	4980	E -25 4549
92		8.2R	25 48.726	0.0009	12	-23 23 11.23	-0.024	12	0.25	48.710	16	33.5	10.84	16	33.5	G5	J	14	4979	E -23 5519
93		6.8T	25 49.171	-0.0012	14	-28 16 6.16	-0.002	12	0.69	49.230	18	00.2	6.05	15	00.4	B5		GC	9986	C -28 4378
94		9.2R	25 49.383	-0.0019	13	-22 17 0.76	0.007	13	0.27	49.415	16	33.5	0.87	16	33.5	K2	J	14	4978	E -22 4545
95		8.8A	25 56.408	-0.0006	18	-21 5 58.55	-0.018	13	0.31	56.419	16	33.5	58.25	16	33.5	K0	J	13A	3004	A -20 1955
96		8.5R	25 58.954	0.0002	18	-23 24 57.83	0.029	18	0.34	58.950	16	33.5	58.32	16	33.5	K7	M	14	4983	E -23 5524
97		6.5T	25 59.443	-0.0000	12	-26 44 9.12	0.015	13	0.67	59.443	15	98.4	9.87	19	99.1	K5		GC	9989K	C -26 4399
98		8.3R	25 59.860	-0.0012	20	-28 22 32.51	-0.049	20	0.36	59.880	16	33.5	31.69	16	33.5	K5	J	13B	4038	J -28 4381
99		5.5T	26 0.016	-0.0008	05	-29 3 9.96	0.006	05	0.25	0.048	10	07.2	10.26	10	03.7	B9		GC	9990	C*-28 4383
00		9.0R	26 0.099	-0.0026	20	-28 4 46.22	-0.021	20	0.36	0.141	16	33.5	45.87	16	33.5	K0	M	13B	4037	J -27 4104

173800			EPOCH 1950								ORIGINAL EPOCH							SP.		SOURCE		-20° 7H	
NUMBER	MAGNITUDES		α_{1950}	μ	σ_μ	δ_{1950}	μ'	σ'_μ	σ_{1950}		α_2	σ	ep.	δ_2	σ'	ep.			CAT.	STAR NUMBER	DM NUMBER	
	m_{pg}	m_v	h m s	s	″.001	° ′ ″	″	″.001	″		s	″.01		″	″.01							
1		8.7R	7 26 1.091	-0.0008	20	-27 44 31.42	0.015	20	0.36		1.105	16	33.5	31.66	16	33.5	K0	M	13B	4039	J -27 4106	
2		9.0R	26 3.677	0.0014	18	-24 1 55.01	0.019	18	0.34		3.654	16	33.5	55.32	16	33.5	K2	M	14	4985	E -23 5526	
3		9.6R	26 8.651	0.0013	18	-22 29 1.84	0.026	18	0.34		8.630	16	33.5	2.27	16	33.5	K	M	14	4987	E -22 4551	
4		9.0R	26 8.884	0.0002	22	-23 29 17.60	0.043	22	0.40		8.880	16	33.5	18.32	16	33.5			14	4988	E -23 5527	
5		8.5R	26 9.701	-0.0018	18	-26 20 6.35	0.008	18	0.34		9.731	16	33.5	6.48	16	33.5	A0	J	14	4992	E -26 4404	
6		9.4R	26 10.094	0.0011	20	-26 4 33.22	0.005	20	0.36		10.077	16	33.5	33.30	16	33.5	A0	M	14	4991	E -25 4556	
7		8.4R	26 10.350	0.0022	20	-29 31 15.64	0.017	20	0.36		10.514	16	33.5	15.92	16	33.5	B9	J	13B	4043	J -29 4423	
8		8.1R	26 10.646	-0.0018	20	-27 17 46.42	0.014	20	0.36		10.676	16	33.5	46.65	16	33.5	B5	J	13B	4042	J -27 4108	
9		9.5R	26 12.105	-0.0020	20	-22 25 51.87	-0.045	20	0.36		12.138	16	33.5	51.12	16	33.5	A	M	14	4989	E -22 4553	
10		8.6R	26 13.133	-0.0013	18	-24 3 57.93	-0.010	18	0.34		13.155	16	33.5	57.76	16	33.5	B9	J	14	4993	E -23 5531	
11		8.6R	26 13.623	-0.0018	18	-24 1 7.64	0.022	18	0.34		13.653	16	33.5	8.00	16	33.5	K	M	14	4994	E -23 5532	
12		9.0R	26 13.635	-0.0015	17	-29 41 11.65	-0.003	17	0.31		13.661	16	33.5	11.61	16	33.5	A2	J	13B	4045	J -29 4425	
13		8.0R	26 14.773	-0.0021	20	-28 33 47.35	-0.043	20	0.36		14.808	16	33.5	46.65	16	33.5	K0	J	13B	4044	J -28 4386	
14		8.7R	26 17.315	0.0004	20	-27 27 30.35	-0.012	20	0.36		17.308	16	33.5	30.15	16	33.5	K5	M	13B	4046	J -27 4112	
15		8.8R	26 19.133	0.0012	15	-25 1 29.71	0.007	15	0.29		19.113	16	33.5	29.82	16	33.5	K0	J	14	4995	E -24 5448	
16		9.1A	26 21.475	0.0021	18	-21 3 27.69	0.002	15	0.32		21.441	16	33.5	27.71	16	33.5	M	J	13A	3006	A -20 1958	
17		8.1R	26 22.526	-0.0012	18	-23 14 16.25	0.004	18	0.34		22.545	16	33.5	16.32	16	33.5	K0	J	14	4996	E -23 5535	
18		8.5R	26 25.037	0.0012	20	-28 58 50.90	0.017	20	0.36		25.017	16	33.5	51.19	16	33.5	A3	J	13B	4050	J -28 4391	
19		9.0R	26 25.441	0.0021	20	-27 7 28.90	0.010	20	0.36		25.407	16	33.5	29.06	16	33.5	B8	J	13B	4049	J -26 4415	
20		8.8A	26 27.989	0.0005	20	-21 51 36.42	-0.023	15	0.33		27.981	16	33.5	36.04	16	33.5	B8	J	13A	3007	A -21 1955	
21		8.9A	26 31.288	-0.0004	18	-20 32 35.88	0.017	13	0.31		31.294	16	33.5	36.16	16	33.5	B9	J	13A	3008	A -20 1961	
22		8.6R	26 31.600	0.0019	12	-28 34 33.36	-0.063	12	0.25		31.570	16	33.5	32.31	16	33.5	G5	J	13B	4052	J -28 4392	
23		7.9A	26 32.093	-0.0015	20	-21 42 3.15	0.011	15	0.33		32.118	16	33.5	3.33	16	33.5	K0	J	13A	3009	A -21 1956	
24		9.0R	26 33.139	0.0010	17	-29 13 8.51	-0.002	17	0.31		33.122	16	33.5	8.49	16	33.5	A5	M	13B	4054	J -29 4434	
25		9.4R	26 33.159	0.0007	18	-24 12 11.40	0.007	18	0.34		33.147	16	33.5	11.51	16	33.5	A2	J	14	4998	E -24 5456	
26		8.7R	26 33.618	-0.0021	15	-26 22 52.43	0.005	15	0.29		33.652	16	33.5	52.51	16	33.5	B9	J	14	5000	E -26 4419	
27		9.4R	26 35.357	0.0007	20	-23 36 42.27	0.015	20	0.36		35.345	16	33.5	42.51	16	33.5	F5	M	14	4999	E -23 5544	
28		8.5R	26 41.083	0.0007	20	-27 47 57.74	-0.018	20	0.36		41.072	16	33.5	57.43	16	33.5	G0	J	13B	4056	J -27 4120	
29		6.8T	26 41.538	0.0037	11	-29 0 52.21	-0.024	08	0.54		41.347	17	99.0	50.87	17	95.4	K0		GC	10014	C -28 4402	
30		8.1R	26 46.755	-0.0001	18	-23 2 50.30	-0.008	18	0.34		46.757	16	33.5	50.18	16	33.5	B9	J	14	5002	E -22 4571	
31		8.9A	26 47.197	-0.0027	17	-20 3 27.14	-0.014	13	0.30		47.242	16	33.5	26.91	16	33.5	B9	J	13A	3011	A -19 1908	
32		8.3R	26 48.864	-0.0010	12	-29 24 17.90	0.010	12	0.25		48.880	16	33.5	18.06	16	33.5	A5	J	13B	4058	J -29 4442	
33		9.3R	26 50.023	0.0019	18	-25 6 43.14	-0.027	18	0.34		49.992	16	33.5	42.69	16	33.5	A7	M	14	5003	E -24 5461	
34		9.3R	26 53.998	0.0023	13	-23 44 2.78	0.006	13	0.27		53.960	16	33.5	2.87	16	33.5	A5	M	14	5004	E -23 5555	
35		8.9A	26 54.339	-0.0001	18	-21 17 3.22	0.006	13	0.31		54.341	16	33.5	3.32	16	33.5	B8	J	13A	3013	A -21 1957	
36		8.7R	27 0.866	-0.0014	12	-26 53 0.76	-0.009	12	0.25		0.890	16	33.5	0.61	16	33.5	B9	J	14	5006	E -26 4431	
37		9.3A	27 1.293	-0.0009	18	-22 47 28.67	-0.009	13	0.31		1.308	16	33.5	28.53	16	33.5	K0	J	13A	3015	A -22 1892	
38		8.7A	27 1.610	-0.0011	17	-21 43 43.22	-0.008	12	0.29		1.627	16	33.5	43.09	16	33.5	B9	J	13A	3014	A -21 1959	
39		8.8R	27 1.819	-0.0016	18	-25 13 17.26	0.014	18	0.34		1.845	16	33.5	17.49	16	33.5	K2	M	14	5005	E -25 4576	
40		9.2R	27 4.446	0.0009	15	-24 23 30.32	-0.007	15	0.29		4.430	16	33.5	30.20	16	33.5	F0	M	14	5007	E -24 5466	
41		9.1R	27 7.939	0.0014	18	-25 5 19.89	0.015	18	0.34		7.916	16	33.5	20.13	16	33.5	G5	M	14	5008	E -24 5468	
42		9.8R	27 13.251	0.0000	20	-25 5 24.27	-0.020	20	0.36		13.251	16	33.5	23.93	16	33.5	A5	M	14	5010	E -24 5469	
43		9.0R	27 14.546	-0.0020	15	-26 32 33.89	-0.000	15	0.29		14.579	16	33.5	33.88	16	33.5	A0	J	14	5013	E -26 4436	
44		9.0R	27 15.407	-0.0007	18	-23 25 13.02	0.012	18	0.34		15.419	16	33.5	13.23	16	33.5	A0	J	14	5009	E -23 5563	
45		9.0R	27 16.723	0.0008	12	-23 49 8.02	-0.020	12	0.25		16.710	16	33.5	7.69	16	33.5	A0	M	14	5012	E -23 5565	
46		9.2A	27 18.014	-0.0031	17	-20 12 17.19	0.033	13	0.30		18.065	16	33.5	17.74	16	33.5	B9	J	13A	3018	A -20 1969	
47		8.5A	27 19.035	0.0002	13	-21 45 14.25	0.008	11	0.26		19.031	16	33.5	14.38	16	33.5	B3	J	13A	3020	A -21 1962	
48		8.9A	27 21.587	-0.0006	20	-22 5 37.08	-0.004	15	0.33		21.596	16	33.5	37.01	16	33.5	A0	J	13A	3021	A -21 1965	
49		9.7R	27 22.394	0.0010	18	-24 3 9.70	0.018	18	0.34		22.377	16	33.5	9.99	16	33.5	B5	M	14	5015	E -23 5570	
50		9.3R	27 25.085	-0.0013	12	-28 10 56.29	0.005	12	0.25		25.106	16	33.5	56.37	16	33.5	K0	M	13B	4066	J -28 4418	
51		9.3R	7 27 25.253	-0.0019	15	-23 42 16.82	-0.022	18	0.32		25.284	16	33.5	16.45	16	33.5	K0	M	14	5016	E -23 5571	
52		8.9R	27 28.031	-0.0029	20	-28 23 55.64	-0.040	20	0.36		28.079	16	33.5	54.97	16	33.5	K0	M	13B	4067	J -28 4420	
53		9.4R	27 30.568	0.0003	18	-25 35 50.38	0.019	18	0.34		30.563	16	33.5	50.69	16	33.5	A0	M	14	5017	E -25 4592	
54		8.9R	27 31.545	0.0009	17	-28 38 17.70	-0.019	17	0.31		31.530	16	33.5	17.38	16	33.5	A0	J	13B	4069	J -28 4422	
55		9.2R	27 32.374	-0.0044	22	-24 15 32.86	-0.015	22	0.40		32.446	16	33.5	32.61	16	33.5	K0	M	14	5018	E -24 5474	
56		8.7R	27 38.012	-0.0006	18	-24 21 39.85	-0.014	18	0.34		38.021	16	33.5	39.61	16	33.5	B8	J	14	5020	E -24 5476	
57		9.2R	27 38.835	-0.0022	20	-23 6 2.53	0.001	20	0.36		38.871	16	33.5	2.56	16	33.5	K	M	14	5019	E -22 4586	
58		9.6R	27 39.250	0.0007	18	-26 20 51.04	-0.009	18	0.34		39.239	16	33.5	50.89	16	33.5	A0	M	14	5025	E -26 4445	
59		8.6R	27 39.793	-0.0001	18	-23 35 13.52	-0.007	18	0.34		39.795	16	33.5	13.40	16	33.5	G5	J	14	5021	E -23 5579	
60		9.1R	27 39.809	-0.0041	20	-24 36 35.35	0.084	20	0.36		39.878	16	33.5	36.74	16	33.5	A2	M	14	5024	E -24 5478	
61		8.9R	27 40.228	0.0013	17	-29 43 25.85	-0.024	17	0.31		40.207	16	33.5	25.46	16	33.5	F0	M	13B	4071	J -29 4469	
62		9.1R	27 40.247	-0.0036	18	-23 53 54.11	0.020	18	0.34		40.306	16	33.5	54.43	16	33.5	A0	J	14	5023	E -23 5580	
63		9.1R	27 41.014	0.0003	20	-29 21 35.13	0.011	20	0.36		41.009	16	33.5	35.32	16	33.5	G5	M	13B	4072	J -29 4467	
64		4.8T	27 43.917	-0.0006	09	-22 55 9.38	-0.009	08	0.37		43.941	10	09.0	9.01	10	07.6	A3		GC	10043	B*-22 1897	
65		9.1R	27 44.698	0.0017	12	-22 40 1.75	-0.008	12	0.25		44.670	16	33.5	1.63	16	33.5	K2	M	14	5027	E -22 4588	
66		8.9A	27 46.146	-0.0009	18	-20 41 31.48	0.008	13	0.31		46.161	16	33.5	31.61	16	33.5	G5	J	13A	3023	A -20 1971	
67		9.4R	27 46.478	-0.0040	22	-25 2 49.66	0.112	22	0.40		46.544	16	33.5	51.50	16	33.5	F0	M	14	5029	E -24 5483	
68		8.8R	27 48.512	0.0002	18	-22 27 38.35	0.005	18	0.34		48.509	16	33.5	38.43	16	33.5	F8	J	14	5028	E -22 4589	
69		8.8R	27 48.889	-0.0039	20	-25 57 52.11	0.033	20	0.36		48.954	16	33.5	52.65	16	33.5	F0	J	14	5031	E -25 4597	
70		8.5R	27 50.603	-0.0009	18	-23 41 47.32	0.098	18	0.34		50.618	16	33.5	48.93	16	33.5	G5	J	14	5030	E -23 5584	
71		9.2R	27 53.020	-0.0003	15	-27 59 47.17	-0.004	15	0.29		53.025	16	33.5	47.10	16	33.5	K0	M	13B	4076	J -27 4143	
72		8.8R	27 57.050	0.0014	12	-28 48 43.96	0.004	12	0.25		57.027	16	33.5	44.04	16	33.5	F0	J	13B	4077	J -28 4428	
73		7.6R	27 57.366	-0.0006	18	-25 2 27.68	-0.008	18	0.34		57.375	16	33.5	27.54	16	33.5	A3	M	14	5033	E -24 5487	
74		9.2R	27 58.727	-0.0018	18	-22 23 55.94	-0.003	18	0.34		58.756	16	33.5	55.89	16	33.5	K0	M	14	5032	E -22 4595	
75		8.7R	28 6.005	0.0033	18	-23 23 27.97	-0.011	18	0.34		5.949	16	33.5	27.80	16	33.5	A5	J	14	5036	E -23 5586	
76		9.1R	28 8.032	-0.0005	17	-29 35 13.95	0.004	17	0.31		8.040	16	33.5	14.02	16	33.5	K2	M	13B	4079	J -29 4477	
77		9.2R	28 8.499	-0.0007	13	-23 41 17.23	-0.013	13	0.27		8.511	16	33.5	17.01	16	33.5	B9	J	14	5037	E -23 5590	
78		9.2R	28 9.388	-0.0032	17	-28 30 41.57	0.030	17	0.31		9.442	16	33.5	42.07	16	33.5	F8	M	13B	4078	J -28 4434	
79		8.7R	28 9.473	-0.0001	18	-23 10 54.48	0.013	18	0.34		9.474	16	33.5	54.70	16	33.5	A0	J	14	5038	E -23 5589	
80		9.7R	28 10.862	0.0020	18	-22 13 13.89	0.020	18	0.34		10.828	16	33.5	14.22	16	33.5	A0	M	14	5039	E -22 4599	
81		8.8R	28 11.413	-0.0004	17	-28 9 32.20	-0.000	17	0.31		11.421	16	33.5	32.19	16	33.5	K0	M	13B	4083	J -28 4435	
82		9.2R	28 11.636	-0.0022	18	-26 14 43.16	0.012	18	0.34		11.672	16	33.5	43.35	16	33.5	B9	J	14	5041	E -26 4457	
83		9.5R	28 13.058	0.0116	20	-22 22 6.79	-0.170	20	0.36		12.866	16	33.5	3.98	16	33.5	G0	M	14	5040	E -22 4600	
84		8.7R	28 15.578	-0.0052	20	-28 33 18.20	-0.002	20	0.36		15.664	16	33.5	18.18	16	33.5	F5	J	13B	4084	J -28 4438	
85		8.0A	28 16.560	-0.0005	17	-20 42 7.69	0.030	13	0.30		16.569	16	33.5	8.18	16	33.5	A0	J	13A	3028	A -20 1980	
86		9.3R	28 19.605	0.0007	15	-22 51 2.89	-0.024	15	0.29		19.593	16	33.5	3.29	16	33.5	B8	M	14	5044	E -22 4605	
87		8.6A	28 20.768	-0.0009	13	-21 27 29.59	-0.004	09	0.25		20.783	16	33.5	29.52	16	33.5	K0	J	13A	3029	A -21 1974	
88		8.4R	28 23.728	-0.0009	17	-28 13 37.41	-0.007	17	0.31		23.743	16	33.5	37.29	16	33.5	K5	M	13B	4085	J -28 4443	
89		8.3R	28 25.807	-0.0028	20	-28 44 41.48	-0.018	20	0.36		25.853	16	33.5	41.19	16	33.5	K0	J	13B	4086	J -28 4445	
90		9.5R	28 26.898	0.0005	20	-24 33 40.96	0.007	20	0.36		26.890	16	33.5	41.08	16	33.5	A2	M	14	5046	E -24 5499	
91		8.8R	28 28.484	-0.0012	15	-26 52 9.63	0.007	15	0.29		28.503	16	33.5	9.74	16	33.5	K0	M	14	5050	E -26 4464	
92		9.3R	28 29.151	-0.0008	15	-24 8 24.41	-0.001	15	0.29		29.164	16	33.5	24.39	16	33.5	A0	M	14	5048	E -23 5597	
93		8.5R	28 29.895	-0.0003	20	-28 43 50.75	-0.036	20	0.36		29.900	16	33.5	50.15	16	33.5	K7	M	13B	4087	J -28 4447	
94		8.8R	28 29.984	-0.0006	18	-22 46 58.39	0.005	18	0.34		29.993	16	33.5	58.48	16	33.5	A0	J	14	5047	E -22 4612	
95		8.3A	28 35.952	0.0001	18	-21 42 14.15	-0.005	13	0.31		35.950	16	33.5	14.07	16	33.5	B3	J	13A	3032	A -21 1979	
96		8.7R	28 40.703	0.0013	18	-23 25 3.02	-0.001	18	0.34		40.681	16	33.5	3.01	16	33.5	B8	J	14	5051	E -23 5603	
97		8.7R	28 40.793	-0.0000	15	-26 52 47.08	-0.015	15	0.29		40.793	16	33.5	46.83	16	33.5	A0	J	14	5054	E -26 4467	
98		9.3R	28 42.972	-0.0005	18	-24 5 31.86	0.050	18	0.34		42.980	16	33.5	32.68	16	33.5	A0	J	14	5053	E -23 5604	
99		9.1R	28 44.541	-0.0044	20	-29 47 16.10	0.029	20	0.36		44.614	16	33.5	16.59	16	33.5	A0	J	13B	4090	J -29 4493	
00		9.2R	28 45.012	0.0001	12	-22 17 8.91	0.040	12	0.25		45.010	16	33.5	9.57	16	33.5	K0	M	14	5052	E -22 4616	

173900

EPOCH 1950 — ORIGINAL EPOCH — SOURCE — -20° 7H

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	α_{1950} h m s	μ s	σ_μ .001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ .001	σ_{1950} ″	α_2 s	σ .01	ep.	δ_2 ″	σ' .01	ep.	SP.	CAT.	STAR NUMBER	DM NUMBER
1		7.8T	7 28 45.304	-0.0003	12	-27 59 27.11	-0.027	11	0.63	45.398	19	96.9	25.70	17	98.7	A0	GC	10069K	C -27 4159
2		8.3T	28 45.662	0.0008	12	-28 0 54.05	-0.015	12	0.67	45.619	19	97.9	53.21	18	95.6	A3	GC	10070	C -27 4160
3		8.6R	28 49.820	0.0006	12	-28 38 26.59	0.023	12	0.25	49.810	16	33.5	26.98	16	33.5	G0 J	13B	4092	J -28 4454
4		9.2R	28 49.899	-0.0050	18	-22 9 25.27	-0.068	18	0.34	49.981	16	33.5	24.15	16	33.5	K0 J	14	5055	E -22 4619
5		8.5R	28 50.928	-0.0007	18	-24 33 39.38	-0.014	18	0.34	50.938	16	33.5	39.15	16	33.5	B8 J	14	5057	E -24 5514
6		9.1R	28 51.319	-0.0061	20	-26 22 15.64	0.037	20	0.36	51.419	16	33.5	16.24	16	33.5	K0 M	14	5058	E -26 4471
7		9.2S	28 52.885	-0.0005	18	-21 31 0.91	-0.001	13	0.31	52.875	16	33.5	0.89	16	33.5	B9 J	13A	3034	A -21 1982
8		8.6R	28 53.845	0.0003	12	-27 35 7.38	0.003	12	0.25	53.860	16	33.5	7.42	16	33.5	K5 M	13B	4093	J -27 4163
9		8.9A	29 2.242	-0.0015	18	-21 46 47.49	-0.013	13	0.31	2.267	16	33.5	47.27	16	33.5	B9 J	13A	3035	A -21 1984
10		9.0R	29 7.795	0.0014	18	-23 43 44.74	-0.017	18	0.34	7.772	16	33.5	44.45	16	33.5	K0 J	14	5060	E -23 5624
11		9.1R	29 9.225	0.0006	20	-28 59 39.22	0.032	20	0.36	9.214	16	33.5	39.76	16	33.5	A0 M	13B	4097	J -28 4459
12		9.1A	29 9.855	0.0002	18	-21 7 40.82	0.004	13	0.31	9.852	16	33.5	40.89	16	33.5	B5 J	13A	3037	A -20 1991
13		9.0R	29 11.998	-0.0007	17	-29 39 46.83	-0.010	17	0.31	12.010	16	33.5	46.67	16	33.5	K0 M	13B	4099	J -29 4504
14		8.9A	29 12.015	-0.0020	18	-21 32 20.20	-0.000	13	0.31	12.049	16	33.5	20.20	16	33.5	F5 J	13A	3038	A -21 1985
15		9.1R	29 15.078	-0.0042	22	-23 19 10.60	0.038	22	0.40	15.147	16	33.5	11.24	16	33.5	G0 J	14	5062	E -23 5628
16		9.4R	29 15.607	-0.0014	13	-22 44 10.56	-0.001	13	0.27	15.630	16	33.5	10.55	16	33.5	K2 M	14	5061	E -22 4630
17		9.7R	29 17.307	0.0015	20	-28 59 25.72	0.015	20	0.36	17.283	16	33.5	25.98	16	33.5	A5 M	13B	4102	J -28 4465
18		8.7A	29 19.017	-0.0013	18	-21 38 13.71	-0.020	13	0.31	19.039	16	33.5	13.38	16	33.5	F0 J	13A	3040	A -21 1986
19		8.7R	29 19.269	-0.0020	20	-27 18 16.98	0.014	20	0.36	19.321	16	33.5	17.21	16	33.5	F8 M	13B	4101	J -27 4171
20		9.3R	29 21.403	-0.0041	20	-27 50 44.81	-0.014	20	0.36	21.472	16	33.5	44.57	16	33.5	F5 M	13B	4104	J -27 4173
21		8.8R	29 22.210	-0.0014	18	-22 59 51.72	-0.002	18	0.34	22.232	16	33.5	51.70	16	33.5	B8 J	14	5063	E -22 4632
22		9.1R	29 23.281	0.0009	18	-23 15 25.21	0.004	18	0.34	23.265	16	33.5	25.28	16	33.5	G5 J	14	5064	E -23 5631
23		8.3R	29 23.601	0.0006	17	-29 4 26.23	-0.052	17	0.31	23.792	16	33.5	25.38	16	33.5	F0 J	13B	4106	J -28 4468
24		9.6R	29 25.800	0.0018	20	-24 30 46.83	0.007	20	0.36	25.771	16	33.5	46.95	16	33.5	K0 M	14	5065	E -24 5527
25		8.4R	29 34.916	-0.0006	15	-26 24 28.35	0.013	15	0.29	34.927	16	33.5	28.56	16	33.5	K5 J	14	5066	E -26 4490
26		8.7A	29 35.504	-0.0003	20	-21 52 58.87	0.008	15	0.33	35.510	16	33.5	59.00	16	33.5	B8 J	13A	3042	A -21 1988
27		8.7R	29 36.572	-0.0015	18	-26 44 54.62	0.012	18	0.34	36.548	16	33.5	54.81	16	33.5	K0 M	14	5070	E -26 4491
28		8.5R	29 38.052	-0.0014	18	-26 47 38.88	0.002	18	0.34	38.084	16	33.5	38.91	16	33.5	B9 J	14	5072	E -26 4492
29		9.5R	29 40.414	-0.0012	20	-23 30 55.16	-0.009	20	0.36	40.434	16	33.5	55.00	16	33.5	K M	14	5069	E -23 5636
30		9.5R	29 41.076	0.0009	20	-22 45 15.11	-0.018	20	0.36	41.060	16	33.5	14.82	16	33.5	G0 M	14	5068	E -22 4639
31		8.9R	29 42.876	0.0001	15	-26 53 39.62	-0.012	15	0.29	42.874	16	33.5	39.42	16	33.5	K M	14	5074	E -26 4495
32		9.1R	29 42.980	-0.0008	18	-22 26 37.46	0.005	18	0.34	42.994	16	33.5	37.54	16	33.5	A0 J	14	5071	E -22 4640
33		8.6R	29 43.489	0.0002	18	-25 31 23.30	0.030	18	0.34	43.486	16	33.5	23.79	16	33.5	K0 M	14	5073	E -25 4652
34		9.2R	29 45.435	0.0002	18	-25 59 37.52	0.029	18	0.34	45.432	16	33.5	37.99	16	33.5	K0 M	14	5075	E -25 4653
35		9.1R	29 48.546	0.0038	20	-29 9 44.65	-0.011	20	0.36	48.484	16	33.5	44.48	16	33.5	K0 M	13B	4112	J -29 4513
36		9.1R	29 50.334	-0.0018	17	-29 2 49.92	0.004	17	0.31	50.364	16	33.5	50.00	16	33.5	B8 M	13B	4114	J -28 4477
37		8.4R	29 50.528	0.0014	13	-22 48 39.17	-0.013	13	0.27	50.505	16	33.5	38.96	16	33.5	K2 J	14	5076	E -22 4642
38		9.0R	29 50.848	-0.0019	20	-27 39 55.52	-0.002	20	0.36	50.880	16	33.5	55.48	16	33.5	A0 J	13B	4113	J -27 4187
39		9.2R	29 51.558	-0.0016	17	-29 54 55.01	0.011	17	0.31	51.584	16	33.5	55.20	16	33.5	F5 M	13B	4115	J -29 4516
40		8.0R	29 53.597	-0.0015	18	-25 16 6.74	0.046	18	0.34	53.621	16	33.5	7.49	16	33.5	A3 J	14	5079	E -25 4656
41		9.1R	29 53.654	-0.0023	22	-25 2 8.75	0.007	22	0.40	53.692	16	33.5	8.86	16	33.5	G5 M	14	5077	E -24 5538
42		9.0R	29 55.168	-0.0014	20	-29 21 23.40	-0.014	20	0.36	55.193	16	33.5	23.18	16	33.5	A5 J	13B	4117	J -29 4517
43		9.0R	29 55.640	-0.0034	21	-29 2 31.41	-0.049	21	0.38	55.686	16	33.5	30.61	16	33.5	K M	13B	4118	J -28 4479
44		9.2R	29 55.719	-0.0028	20	-24 2 0.62	0.006	20	0.36	55.766	16	33.5	0.71	16	33.5	B9 J	14	5080	E -23 5647
45		8.5A	29 56.193	-0.0031	17	-20 26 30.53	0.012	13	0.30	56.244	16	33.5	30.73	16	33.5	A2 J	13A	3046	A -20 2003
46		9.6R	29 56.587	-0.0040	20	-22 40 16.74	0.009	20	0.36	56.653	16	33.5	16.90	16	33.5	A0 M	14	5078	E -22 4644
47		9.1R	29 56.606	-0.0013	12	-29 18 16.21	0.003	12	0.25	56.628	16	33.5	16.27	16	33.5	A0 M	13B	4119	J -29 4518
48		8.8R	30 0.326	-0.0003	18	-24 16 55.44	-0.024	18	0.34	0.333	16	33.5	55.04	16	33.5	K0 J	14	5083	E -24 5539
49		9.2R	30 1.853	0.0009	18	-22 22 9.08	0.004	18	0.34	1.839	16	33.5	9.47	16	33.5	F5 M	14	5082	E -22 4649
50		8.9R	30 2.371	-0.0001	15	-25 3 0.02	-0.016	15	0.29	2.372	16	33.5	-59.77	16	33.5	F5 J	14	5086	E -24 5540
51		9.2R	7 30 2.955	0.0039	20	-24 7 22.19	-0.071	20	0.36	2.891	16	33.5	21.01	16	33.5	K0 J	14	5084	E -23 5651
52		9.6R	30 4.963	-0.0017	20	-22 40 49.46	0.037	20	0.36	4.991	16	33.5	50.07	16	33.5	A2 M	14	5085	E -22 4651
53		8.9R	30 5.014	0.0016	20	-28 17 46.10	0.005	20	0.36	4.987	16	33.5	46.18	16	33.5	K5 M	13B	4122	J -28 4482
54		9.4R	30 5.937	-0.0003	18	-24 54 49.82	-0.003	18	0.34	5.942	16	33.5	49.77	16	33.5	A0 J	14	5087	E -24 5542
55		9.3R	30 7.829	-0.0004	20	-29 17 45.52	0.020	20	0.36	7.837	16	33.5	45.86	16	33.5	K M	13B	4123	J -29 4523
56		8.0R	30 9.168	-0.0013	20	-29 31 38.78	0.006	20	0.36	9.189	16	33.5	38.88	16	33.5	K5 J	13B	4125	J -29 4525
57		9.0R	30 11.694	0.0021	17	-28 37 35.46	0.007	17	0.31	11.659	16	33.5	35.59	16	33.5	B J	13B	4127	J -28 4485
58		8.3R	30 11.695	-0.0015	15	-27 48 9.57	-0.008	15	0.29	11.920	16	33.5	9.43	16	33.5	B9 J	13B	4126	J -27 4194
59		8.5R	30 12.903	-0.0005	18	-22 43 31.74	0.012	18	0.34	12.911	16	33.5	31.94	16	33.5	F0 J	14	5088	E -22 4654
60		9.0R	30 17.945	-0.0002	15	-24 56 23.35	0.011	15	0.29	17.948	16	33.5	23.53	16	33.5	B9 J	14	5093	E -24 5550
61		9.0R	30 18.029	-0.0010	12	-23 55 57.96	0.016	12	0.25	18.046	16	33.5	58.22	16	33.5	F8 J	14	5092	E -23 5658
62		8.7R	30 21.297	-0.0015	15	-28 1 38.29	-0.001	15	0.29	21.321	16	33.5	38.27	16	33.5	B2 M	13B	4132	J -27 4197
63		8.7A	30 27.661	0.0013	18	-21 49 20.00	-0.020	13	0.31	27.639	16	33.5	19.66	16	33.5	F5 J	13A	3054	A -21 1997
64		9.0R	30 28.272	-0.0023	18	-26 1 1.63	0.028	18	0.34	28.310	16	33.5	2.09	16	33.5	F8 J	14	5098	E -25 4674
65		8.7R	30 29.229	0.0020	12	-29 34 47.62	-0.020	12	0.25	29.197	16	33.5	47.30	16	33.5	K0 M	13B	4134	J -29 4536
66		8.5R	30 32.088	0.0000	18	-24 27 52.52	-0.001	18	0.34	32.088	16	33.5	52.49	16	33.5	F8 J	14	5099	E -24 5556
67		8.9R	30 32.790	0.0010	18	-22 41 30.37	-0.049	18	0.34	32.773	16	33.5	29.56	16	33.5	K2 J	14	5097	E -22 4662
68		9.1R	30 33.699	-0.0028	12	-27 18 38.63	-0.002	15	0.29	33.682	16	33.5	38.59	16	33.5	A5 M	13B	4135	J -27 4203
69		9.0R	30 35.235	-0.0035	20	-27 51 6.16	0.006	20	0.36	35.292	16	33.5	6.27	16	33.5	F0 M	13B	4136	J -27 4204
70		8.8A	30 35.886	-0.0011	20	-20 41 2.30	0.054	15	0.33	35.883	16	33.5	3.19	16	33.5	F0 J	13A	3058	A -20 2009
71		9.0R	30 36.004	-0.0008	18	-22 50 41.29	0.010	18	0.34	36.017	16	33.5	41.46	16	33.5	F5 J	14	5100	E -22 4665
72		9.0R	30 36.629	-0.0002	20	-27 45 8.39	-0.006	20	0.36	36.633	16	33.5	8.29	16	33.5	B0 M	13B	4137	J -27 4205
73		8.0I	30 36.786	0.0013	26	-20 48 3.32	0.024	20	0.89	36.739	19	12.6	4.29	21	10.4	K0	GC	10105V	B+ -20 2011
74		9.4R	30 38.155	0.0009	18	-24 27 6.35	0.009	18	0.34	38.140	16	33.5	6.49	16	33.5	K2 M	14	5102	E -24 5559
75		9.0R	30 40.368	0.0019	20	-28 7 52.53	0.024	20	0.36	40.336	16	33.5	52.92	16	33.5	K0 M	13B	4136	J -27 4208
76		9.3R	30 40.686	0.0013	20	-28 27 49.17	0.009	20	0.36	40.685	16	33.5	49.31	16	33.5	G M	13B	4139	J -28 4492
77		9.1R	30 44.135	0.0007	20	-29 32 39.59	0.050	20	0.36	44.123	16	33.5	40.41	16	33.5	K0 M	13B	4141	J -29 4546
78		8.9R	30 45.904	-0.0033	20	-28 18 8.73	0.011	20	0.36	45.958	16	33.5	8.90	16	33.5	B8 J	13B	4142	J -28 4499
79		8.4R	30 48.794	-0.0007	18	-22 10 39.91	0.009	18	0.34	48.806	16	33.5	40.05	16	33.5	B9 J	14	5104	E -22 4671
80		8.1R	30 55.644	0.0010	18	-23 49 31.88	0.010	18	0.34	55.627	16	33.5	32.04	16	33.5	B5 J	14	5107	E -23 5673
81		8.7A	30 59.633	-0.0018	17	-20 35 41.38	-0.017	13	0.30	59.663	16	33.5	41.09	16	33.5	B8 J	13A	3063	A -20 2015
82		9.0R	31 0.529	-0.0017	20	-28 37 2.19	-0.007	20	0.36	0.557	16	33.5	2.07	16	33.5	F5 M	14	5109	E -28 4534
83		7.9R	31 1.196	0.0008	20	-28 13 1.09	0.016	20	0.36	1.183	16	33.5	1.35	16	33.5	B3 J	13B	4144	J -28 4502
84		9.2R	31 2.435	0.0008	20	-22 48 51.03	0.001	20	0.36	2.441	16	33.5	51.04	16	33.5	K7 M	14	5108	E -22 4679
85		9.0R	31 3.942	0.0009	17	-29 39 10.64	-0.018	17	0.31	3.927	16	33.5	10.34	16	33.5	K0 M	13B	4147	J -29 4553
86		8.9A	31 4.187	-0.0003	18	-21 49 43.13	-0.020	13	0.31	4.192	16	33.5	42.80	16	33.5	A0 J	13A	3066	A -21 2001
87		5.7T	31 4.252	-0.0011	07	-24 36 7.68	0.010	06	0.30	4.296	12	08.0	8.14	12	03.8	A3	GC	10114	C -24 5566
88		8.5R	31 7.617	0.0032	18	-22 11 20.46	-0.252	18	0.34	7.565	16	33.5	16.30	16	33.5	G0 J	14	5111	E -22 4683
89		9.0R	31 11.350	-0.0043	20	-25 17 23.16	0.024	20	0.36	11.420	16	33.5	23.57	16	33.5	A0 J	14	5113	E -25 4690
90		9.3R	31 12.003	-0.0023	22	-23 53 50.56	0.001	22	0.40	12.041	16	33.5	50.57	16	33.5	K2 J	14	5112	E -23 5677
91		9.0R	31 14.379	-0.0036	20	-27 57 35.95	0.007	20	0.36	14.438	16	33.5	36.06	16	33.5	F0 M	13B	4149	J -27 4217
92		8.5R	31 15.059	-0.0005	20	-26 57 43.39	0.015	20	0.36	15.067	16	33.5	43.63	16	33.5	K0 J	14	5115	E -26 4540
93		9.1R	31 19.471	0.0004	18	-23 8 50.25	0.034	18	0.34	19.464	16	33.5	50.81	16	33.5	A0 J	14	5114	E -22 4688
94		9.1A	31 21.673	0.0001	18	-21 31 48.18	-0.006	13	0.31	21.671	16	33.5	48.07	16	33.5	B9 J	13A	3069	A -21 2004
95		8.9R	31 22.131	-0.0017	20	-26 21 59.33	0.070	20	0.36	22.159	16	33.5	+ 0.48	16	33.5	G5 M	14	5117	E -26 4542
96		9.0R	31 22.452	0.0000	18	-23 21 29.26	0.000	18	0.34	22.451	16	33.5	29.26	16	33.5	B9 J	14	5116	E -23 5686
97		8.6R	31 22.895	0.0011	17	-29 42 53.08	-0.019	17	0.31	22.876	16	33.5	52.76	16	33.5	K5 J	13B	4153	J -29 4560
98		8.6R	31 23.971	0.0001	20	-28 36 3.26	0.094	20	0.36	23.970	16	33.5	4.82	16	33.5	B9 J	13B	4152	J -28 4515
99		9.0R	31 24.375	0.0002	20	-28 4 28.73	-0.016	17	0.34	24.372	16	33.5	28.46	16	33.5	B3 M	13B	4151	J -27 4224
00		8.7R	31 27.902	-0.0014	18	-24 12 28.28	0.034	18	0.34	27.926	16	33.5	28.83	16	33.5	B8 J	14	5118	E -24 5576

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EPOCH 1950 — ORIGINAL EPOCH — SOURCE — -20° 7H

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	σ'_μ ″.001	σ_{1950} ″	α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	CAT.	STAR NUMBER	DM NUMBER
1		9.2R	7 31 28.972	-0.0023	22	-24 39 15.04	-0.008	22	0.40	29.009	16	33.5	14.91	16	33.5	K0 M	14	5119	E -24 5577
2		8.3R	31 33.154	-0.0004	20	-27 52 5.06	-0.002	20	0.36	33.161	16	33.5	5.02	16	33.5	B2 M	13B	4154	J -27 4229
3		9.4R	31 35.414	-0.0007	18	-25 3 16.57	-0.012	18	0.34	35.426	16	33.5	16.37	16	33.5	A3 J	14	5120	E -24 5582
4		8.7R	31 42.303	0.0011	18	-23 47 3.13	0.014	18	0.34	42.285	16	33.5	3.35	16	33.5	F8 M	14	5121	E -23 5693
5		8.7R	31 45.960	-0.0021	20	-29 10 55.71	0.002	20	0.36	45.994	16	33.5	55.75	16	33.5	B8 J	13B	4156	J -29 4569
6		9.1R	31 47.413	-0.0041	17	-24 14 41.47	0.012	17	0.31	47.481	16	33.5	41.66	16	33.5	K0 M	14	5124	E -24 5587
7		9.4R	31 48.382	0.0009	18	-22 52 56.22	-0.006	18	0.34	48.367	16	33.5	56.12	16	33.5	K5 M	14	5123	E -22 4700
8		8.6T	31 52.048	-0.0032	12	-28 27 29.62	0.020	09	0.56	52.213	17	99.1	30.69	17	95.7	F0	GC	10132	C -28 4522
9		4.5H	31 54.686	-0.0033	02	-22 11 12.91	0.039	02	0.08	54.798	04	16.5	14.21	04	17.2	F8	F4	288	-21 2007
10		8.6R	31 54.795	0.0005	22	-23 25 45.22	-0.013	22	0.40	54.787	16	33.5	45.01	16	33.5	B8 J	14	5127	E -23 5700
11		9.1R	31 56.368	-0.0006	20	-22 34 11.83	-0.048	20	0.36	56.378	16	33.5	11.04	16	33.5	B9 J	14	5128	E -22 4704
12		8.8R	31 57.876	-0.0014	20	-28 34 30.29	-0.004	20	0.36	57.899	16	33.5	30.23	16	33.5	K M	13B	4161	J -28 4526
13		8.8R	31 57.880	-0.0011	17	-28 32 45.56	0.000	17	0.31	57.899	16	33.5	45.56	16	33.5	B8 J	13B	4160	J -28 4525
14		6.8T	32 1.650	-0.0012	13	-20 1 39.39	-0.006	11	0.61	1.703	21	03.9	39.10	18	00.2	B3	GC	10138	-19 1950
15		9.3R	32 4.676	0.0021	15	-24 27 31.61	-0.035	15	0.29	4.642	16	33.5	31.06	16	33.5	G0 J	14	5129	E -24 5596
16		8.9R	32 9.388	-0.0049	21	-27 3 30.92	0.028	21	0.38	9.469	16	33.5	31.38	16	33.5	K0 M	14	5133	E -26 4567
17		9.1R	32 10.029	-0.0031	20	-26 20 57.82	-0.008	20	0.36	10.081	16	33.5	57.68	16	33.5	K0 M	14	5132	E -26 4566
18		8.7R	32 10.623	0.0044	20	-28 42 37.70	-0.013	20	0.36	10.551	16	33.5	37.49	16	33.5	G5 J	13B	4163	J -28 4532
19		5.9T	32 11.738	-0.0072	04	-23 21 48.32	-0.001	04	0.21	12.087	09	01.3	48.28	07	99.6	F2	GC	10144K	C*-23 5709
20		6.0T	32 12.337	-0.0084	06	-23 21 52.24	-0.013	05	0.34	12.792	12	95.7	51.50	10	92.5	F2	GC	10145K	C*-23 5709
21		8.8A	32 17.854	-0.0001	18	-20 53 40.97	-0.009	13	0.31	17.856	16	33.5	40.83	16	33.5	A0 J	13A	3072	A -20 2033
22		9.5R	32 20.670	0.0015	18	-24 24 35.96	0.010	18	0.34	20.645	16	33.5	36.12	16	33.5	K0 M	14	5134	E -24 5604
23		9.1R	32 21.385	-0.0004	15	-28 8 19.40	0.001	15	0.29	21.392	16	33.5	19.41	16	33.5	B9 J	13B	4164	J -27 4250
24		8.8A	32 21.995	-0.0018	17	-20 19 40.64	0.026	13	0.30	22.025	16	33.5	41.07	16	33.5	K0 J	13A	3073	A -20 2036
25		9.4T	32 23.761	-0.0029	20	-28 20 22.44	-0.040	17	0.87	23.894	22	04.6	20.53	21	02.6	B8	GC	10155	C -28 4537
26		8.2A	32 24.509	-0.0015	18	-21 11 45.98	-0.004	13	0.31	24.533	16	33.5	45.92	16	33.5	A2 J	13A	3074	A -20 2037
27		9.6R	32 24.578	0.0063	18	-23 3 49.57	0.019	18	0.34	24.475	16	33.5	49.88	16	33.5	A2 J	14	5135	E -22 4714
28		6.5T	32 25.167	-0.0017	06	-26 0 21.52	-0.028	04	0.26	25.241	10	05.9	20.14	10	01.2	A0	GC	10157	C*-25 4719
29		9.2R	32 27.831	0.0043	20	-28 44 13.95	-0.002	20	0.36	27.761	16	33.5	13.92	16	33.5	A0 M	13B	4166	J -28 4538
30		9.2R	32 28.092	0.0005	18	-22 32 41.77	-0.002	18	0.34	28.083	16	33.5	41.73	16	33.5	K0 M	14	5136	E -22 4717
31		9.0R	32 29.164	-0.0010	20	-28 36 25.87	-0.006	20	0.36	29.181	16	33.5	25.77	16	33.5	A0 J	13B	4168	J -28 4539
32		8.7R	32 30.034	-0.0019	20	-28 6 50.44	0.014	20	0.36	30.065	16	33.5	50.66	16	33.5	K2 M	13B	4169	J -27 4254
33		5.9T	32 32.459	-0.0033	13	-26 54 9.43	0.076	12	0.69	32.629	18	97.7	13.59	17	95.0	K0	GC	10161	C -26 4574
34		8.9R	32 33.092	0.0018	18	-23 5 50.27	0.055	18	0.34	33.061	16	33.5	51.18	16	33.5	G0 J	14	5138	E -22 4727
35		9.0A	32 33.737	-0.0006	17	-20 52 24.95	0.015	12	0.29	33.746	16	33.5	25.20	16	33.5	K0 J	13A	3075	A -20 2039
36		8.5R	32 37.547	-0.0008	18	-22 40 15.36	-0.002	18	0.34	37.561	16	33.5	15.33	16	33.5	B9 J	14	5140	E -22 4729
37		8.3R	32 40.072	-0.0039	20	-25 55 34.84	-0.133	20	0.36	40.137	16	33.5	32.64	16	33.5	G5 J	14	5142	E -25 4727
38		9.5R	32 44.946	0.0011	20	-27 32 23.33	-0.014	20	0.36	44.928	16	33.5	23.09	16	33.5	K5 M	13B	4172	J -27 4258
39		8.6R	32 47.803	0.0004	18	-22 35 26.01	0.030	18	0.34	47.796	16	33.5	26.51	16	33.5	K2 J	14	5143	E -22 4732
40		7.7R	32 48.321	-0.0063	20	-29 17 57.20	-0.027	20	0.36	48.458	16	33.5	56.76	16	33.5	K0 J	13B	4173	J -29 4596
41		9.1R	32 49.202	0.0003	20	-29 38 4.51	0.011	20	0.36	49.196	16	33.5	4.69	16	33.5	G5 M	13B	4174	J -29 4597
42		9.2R	32 49.669	-0.0003	18	-23 1 4.66	0.004	18	0.34	49.674	16	33.5	4.73	16	33.5	G0 M	14	5144	E -22 4737
43		9.3A	32 50.777	0.0013	18	-22 6 26.90	-0.004	13	0.31	50.755	16	33.5	26.83	16	33.5	M J	13A	3079	A -21 2016
44		9.5R	32 52.162	0.0032	18	-24 15 27.49	-0.009	18	0.34	52.110	16	33.5	27.33	16	33.5	K0 M	14	5145	E -24 5617
45		8.9R	32 52.828	-0.0037	20	-27 7 19.27	0.015	20	0.36	52.889	16	33.5	19.51	16	33.5	A0 J	13B	4176	J -26 4582
46		9.3R	32 56.492	-0.0002	18	-23 40 23.69	-0.017	18	0.34	56.495	16	33.5	23.40	16	33.5	F5 M	14	5146	E -23 5728
47		8.9R	33 0.498	-0.0006	12	-27 53 17.27	-0.026	12	0.25	0.508	16	33.5	16.84	16	33.5	K2 M	13B	4177	J -27 4263
48		8.9R	33 1.605	-0.0003	18	-22 27 29.30	0.012	18	0.34	1.610	16	33.5	29.49	16	33.5	K7 M	14	5147	E -22 4741
49		9.1R	33 2.600	-0.0004	20	-26 23 25.36	-0.014	20	0.36	2.606	16	33.5	25.12	16	33.5	A0 M	14	5149	E -26 4587
50		7.9T	33 2.815	-0.0009	14	-26 0 29.58	0.008	12	0.71	2.858	21	00.3	29.99	19	97.1	K0	GC	10170K	C -25 4738
51		7.8T	7 33 3.258	-0.0018	17	-28 23 13.36	-0.031	14	0.79	3.345	21	02.1	11.80	19	00.1	F0	GC	10171	C -28 4557
52		9.5R	33 7.593	0.0027	20	-24 29 44.34	0.017	20	0.36	7.549	16	33.5	44.62	16	33.5	A0 M	14	5150	E -24 5624
53		9.0R	33 9.090	-0.0002	18	-25 11 28.95	0.036	18	0.34	9.093	16	33.5	29.55	16	33.5	F8 J	14	5152	E -25 4739
54		9.2R	33 10.526	0.0021	20	-23 30 21.24	-0.002	20	0.36	10.491	16	33.5	21.20	16	33.5	A0 J	14	5151	E -23 5736
55		9.0R	33 15.491	0.0007	18	-24 50 29.29	-0.033	18	0.34	15.480	16	33.5	28.74	16	33.5	M0 M	14	5153	E -24 5626
56		8.9A	33 17.177	-0.0018	17	-20 23 5.24	0.013	13	0.30	17.206	16	33.5	5.46	16	33.5	A0 J	13A	3083	A -20 2048
57		8.8R	33 18.787	-0.0004	15	-28 0 11.24	-0.011	15	0.29	18.794	16	33.5	11.05	16	33.5	A0 J	13B	4181K	J -27 4270
58		4.5T	33 22.339	-0.0059	06	-28 15 27.91	-0.022	04	0.25	22.593	10	07.2	26.85	10	02.3	B8	GC	10178K	C*-28 4566
59		9.1R	33 22.380	-0.0040	20	-27 22 11.04	-0.079	20	0.36	22.445	16	33.5	9.73	16	33.5	G5 J	13B	4182	J -27 4272
60		8.9A	33 23.570	0.0006	17	-21 34 3.89	-0.020	12	0.29	23.561	16	33.5	3.56	16	33.5	A0 J	13A	3085	A -21 2024
61		9.0A	33 24.490	-0.0001	18	-20 25 5.45	-0.002	13	0.31	24.491	16	33.5	5.42	16	33.5	A0 J	13A	3084	A -20 2051
62		8.5R	33 24.893	0.0004	20	-25 16 59.05	0.007	20	0.36	24.886	16	33.5	59.18	16	33.5	A3 J	14	5155	E -25 4748
63		7.7T	33 28.831	-0.0004	16	-26 2 32.92	-0.014	12	0.73	28.849	19	01.7	32.19	18	98.7	B9	GC	10183	C -25 4750
64		8.9R	33 30.169	0.0010	20	-22 43 39.02	-0.003	20	0.36	30.153	16	33.5	36.97	16	33.5	B8 J	14	5156	E -22 4756
65		6.5T	33 30.453	-0.0022	26	-26 31 0.79	0.047	18	1.06	30.555	19	03.0	2.98	21	03.1	A2	GC	10184	C -26 4603
66		9.2R	33 30.703	0.0011	13	-22 24 35.88	0.031	13	0.27	30.686	16	33.5	36.38	16	33.5	B9 J	14	5157	E -22 4754
67		8.7A	33 31.789	0.0020	20	-21 22 14.66	0.018	15	0.33	31.755	16	33.5	14.96	16	33.5	B9 J	13A	3086	A -21 2026
68		9.1R	33 32.323	-0.0004	20	-29 15 28.79	0.031	20	0.36	32.331	16	33.5	29.31	16	33.5		13B	4187	J -29 4618
69		9.4R	33 32.753	0.0012	20	-24 47 36.18	0.012	20	0.36	32.732	16	33.5	36.37	16	33.5	A0 M	14	5159	E -24 5635
70		8.3R	33 33.190	-0.0024	12	-27 12 19.38	0.003	12	0.25	33.229	16	33.5	19.42	16	33.5	A0 J	13B	4186	J -27 4276
71		9.1R	33 34.155	0.0002	20	-29 17 1.62	0.013	20	0.36	34.153	16	33.5	1.84	16	33.5	A0 M	13B	4188	J -29 4619
72		9.7R	33 34.749	0.0016	20	-23 50 4.12	0.030	20	0.36	34.724	16	33.5	4.61	16	33.5	A0 M	14	5162	E -23 5746
73		9.1R	33 34.777	0.0001	18	-23 27 22.18	0.011	18	0.34	34.775	16	33.5	22.36	16	33.5	B9 J	14	5161	E -23 5747
74		8.6R	33 35.904	-0.0015	20	-29 53 20.47	0.014	20	0.36	35.929	16	33.5	20.70	16	33.5	K2 M	13B	4189	J -29 4620
75		8.4R	33 36.648	-0.0016	20	-25 13 44.07	0.007	20	0.36	36.675	16	33.5	44.20	16	33.5	B8 J	14	5164	E -25 4752
76		9.6R	33 37.245	0.0005	20	-23 47 41.94	-0.012	20	0.36	37.236	16	33.5	41.73	16	33.5	K M	14	5163	E -23 5748
77		9.4R	33 41.592	0.0044	18	-24 20 44.86	-0.037	18	0.34	41.519	16	33.5	44.24	16	33.5	G5 J	14	5165	E -24 5638
78		9.2R	33 42.613	-0.0013	17	-28 25 4.63	0.003	17	0.31	42.634	16	33.5	4.67	16	33.5	A0 J	13B	4190	J -28 4574
79		9.0R	33 42.837	-0.0015	18	-23 24 30.21	0.015	18	0.34	42.862	16	33.5	30.46	16	33.5	G5 J	14	5166	E -23 5753
80		8.9R	33 43.465	-0.0012	17	-29 1 13.24	-0.002	17	0.31	43.485	16	33.5	13.21	16	33.5	F8 J	13B	4192	J -28 4577
81		8.8R	33 45.494	0.0003	18	-24 46 57.11	-0.002	18	0.34	45.489	16	33.5	57.08	16	33.5	B9 J	14	5168	E -24 5641
82		8.5R	33 46.468	0.0020	20	-29 56 50.14	0.003	20	0.36	46.436	16	33.5	50.19	16	33.5	B9 J	13B	4193	J -29 4623
83		6.8T	33 47.185	-0.0002	12	-23 26 10.77	0.019	10	0.59	47.193	18	00.8	11.74	18	99.2	K0	GC	10190	C -23 5756
84		8.9R	33 47.967	-0.0014	20	-28 48 48.13	-0.009	20	0.36	47.991	16	33.5	47.98	16	33.5	K5 J	13B	4194	J -28 4581
85		9.6R	33 48.896	-0.0029	15	-23 50 18.85	0.023	15	0.29	48.944	16	33.5	19.22	16	33.5	F M	14	5169	E -23 5758
86		8.8A	33 53.745	-0.0014	20	-20 9 47.92	-0.005	15	0.33	53.768	16	33.5	47.84	16	33.5	K5 J	13A	3091	A -19 1961
87		8.3R	33 53.857	-0.0006	12	-22 10 53.51	-0.003	12	0.25	53.867	16	33.5	53.46	16	33.5	A0 J	14	5170	E -22 4767
88		8.6R	33 55.145	-0.0013	20	-25 23 59.26	0.018	20	0.36	55.167	16	33.5	59.57	16	33.5	B8 J	14	5172	E -25 4760
89		9.5R	33 56.915	0.0004	15	-23 9 49.83	-0.001	15	0.29	56.908	16	33.5	49.81	16	33.5	A0 M	14	5171	E -22 4769
90		8.7R	33 56.923	-0.0022	20	-29 14 46.36	-0.030	20	0.37	56.960	16	33.1	45.86	16	33.1	A2 J	13B	4197	J -29 4625
91		9.1R	33 57.619	-0.0005	20	-27 48 28.16	-0.019	20	0.37	57.628	16	33.1	27.83	16	33.1	A0 J	13B	4195	J -27 4286
92		6.5T	33 58.768	0.0028	28	-22 2 53.49	-0.021	28	1.31	58.641	19	04.5	52.52	21	04.5	G5	GC	10196	-21 2030
93		9.1A	33 59.320	-0.0019	18	-21 7 19.15	-0.000	13	0.31	59.351	16	33.5	19.14	16	33.5	F5 J	13A	3093	A -20 2058
94		8.6A	34 3.147	-0.0004	20	-21 48 17.38	0.021	15	0.34	3.153	16	33.1	17.73	16	33.1	G5 J	13A	3095	A -21 2032
95		8.9R	34 4.386	-0.0067	21	-23 46 59.23	-0.004	21	0.39	4.499	16	33.1	59.15	16	33.1	F0 J	14	5174	E -23 5770
96		8.6R	34 4.620	-0.0027	18	-23 22 4.98	-0.021	18	0.34	4.666	16	33.1	4.62	16	33.1	K0 M	14	5173	E -23 5768
97		7.5R	34 6.434	0.0016	15	-27 23 30.40	-0.024	15	0.30	6.407	16	33.1	29.99	16	33.1	K2 J	13B	4198	J -27 4291
98		8.2R	34 8.077	-0.0003	15	-23 43 34.23	-0.007	15	0.30	8.083	16	33.1	34.10	16	33.1	K0 J	14	5176	E -23 5773
99		8.2R	34 10.501	0.0010	17	-29 8 9.04	-0.005	17	0.32	10.484	16	33.1	8.97	16	33.1	K2 J	13B	4200	J -28 4591
00		9.4R	34 11.474	-0.0040	20	-22 56 50.50	-0.010	20	0.37	11.542	16	33.1	50.33	16	33.1	K M	14	5177	E -22 4776

174100

EPOCH 1950 — ORIGINAL EPOCH — SOURCE — -20° 7H

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	σ'_μ ″.001	σ_{1950} ″	α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	CAT.	STAR NUMBER	DM NUMBER
1		8.3R	7 34 12.305	0.0000	15	-24 29 50.57	0.006	15	0.30	12.304	16	33.1	50.66	16	33.1	B8 J	14	5178	E -24 5649
2		9.1R	34 13.620	0.0001	17	-28 17 34.50	0.011	17	0.32	13.619	16	33.1	34.68	16	33.1	B9 J	13B	4201	J -28 4592
3		9.1R	34 13.629	0.0003	18	-24 43 56.65	-0.008	18	0.34	13.624	16	33.1	56.51	16	33.1	F0 M	14	5181	E -24 5650
4		9.4R	34 13.941	-0.0043	22	-23 59 56.33	0.020	22	0.41	14.013	16	33.1	56.66	16	33.1	F8 M	14	5180	E -23 5775
5		9.3R	34 15.615	-0.0002	15	-22 28 1.08	0.015	15	0.30	15.619	16	33.1	1.32	16	33.1	G0 J	14	5179	E -22 4778
6		8.5R	34 16.020	-0.0012	20	-29 22 5.22	0.035	20	0.37	16.041	16	33.1	5.82	16	33.1	K5 J	13B	4202	J -29 4634
7		9.6R	34 19.149	-0.0021	20	-24 45 8.10	0.002	20	0.37	19.185	16	33.1	8.14	16	33.1	K2 M	14	5184	E -24 5651
8		9.4R	34 19.317	-0.0035	17	-23 5 10.57	0.008	17	0.32	19.377	16	33.1	10.70	16	33.1	A0 M	14	5182	E -22 4785
9		9.1R	34 21.695	0.0013	20	-29 36 43.02	-0.012	20	0.37	21.672	16	33.1	42.82	16	33.1	K5 M	13B	4206	J -29 4637
10		9.1R	34 21.865	0.0012	20	-29 20 22.30	0.006	20	0.37	21.845	16	33.1	22.41	16	33.1	F5 M	13B	4205	J -29 4636
11		8.7R	34 24.616	-0.0008	20	-27 27 53.83	-0.024	20	0.37	24.629	16	33.1	53.42	16	33.1	F0 J	13B	4207	J -27 4299
12		6.8T	34 26.989	-0.0000	13	-25 13 12.62	0.002	12	0.67	26.989	18	98.9	12.75	18	96.6	B5	GC	10207K	C*-25 4775
13		8.9R	34 28.056	0.0005	17	-28 50 25.40	-0.001	17	0.32	28.047	16	33.1	25.39	16	33.1	K0 M	13B	4208	J -28 4596
14		8.8R	34 28.332	-0.0013	18	-23 11 33.95	0.020	18	0.34	28.353	16	33.1	34.29	16	33.1	G5 J	14	5187	E -23 5779
15		8.5R	34 37.436	-0.0011	18	-23 59 42.85	0.025	18	0.34	37.455	16	33.1	43.26	16	33.1	B5 J	14	5190	E -23 5780
16		8.6R	34 38.934	-0.0015	17	-29 40 11.74	-0.008	17	0.32	38.959	16	33.1	11.60	16	33.1	A0 J	13B	4209	J -29 4644
17		8.9A	34 43.757	-0.0012	13	-20 48 27.46	0.003	11	0.26	43.777	16	33.1	27.52	16	33.1	B8 J	13A	3101	A -20 2063
18		8.7A	34 45.825	-0.0001	18	-20 56 22.39	0.008	13	0.31	45.827	16	33.1	22.53	16	33.1	B9 J	13A	3102	A -20 2065
19		8.5R	34 46.288	-0.0024	15	-27 10 50.73	0.008	15	0.30	46.330	16	33.1	50.86	16	33.1	K0 J	13B	4211	J -27 4304
20		9.4R	34 46.954	-0.0005	18	-26 22 41.88	-0.026	18	0.34	46.963	16	33.1	41.43	16	33.1	K0 M	14	5193	E -26 4650
21		9.0R	34 49.589	-0.0008	17	-29 15 16.96	-0.018	17	0.32	49.603	16	33.1	16.66	16	33.1	G5 J	13B	4214	J -29 4648
22		8.9R	34 50.295	-0.0016	15	-27 38 8.98	0.002	15	0.30	50.322	16	33.1	9.01	16	33.1	K0 J	13B	4212	J -27 4306
23		6.7T	34 50.383	-0.0045	20	-21 16 51.78	0.035	18	0.91	50.594	21	03.5	53.45	22	03.0	G5	GC	10220	-21 2039
24		9.0R	34 50.435	-0.0021	20	-27 42 27.73	0.020	20	0.37	50.471	16	33.1	28.06	16	33.1	K	M	13B	4213	J -27 4307
25		8.0R	34 50.960	0.0002	18	-24 11 2.04	0.011	18	0.34	50.957	16	33.1	2.22	16	33.1	A2 J	14	5195	E -24 5667
26		9.2R	34 52.304	-0.0006	20	-27 51 32.95	-0.006	20	0.37	52.315	16	33.1	32.84	16	33.1	K0 M	13B	4215	J -27 4308
27		8.3R	34 52.690	0.0005	18	-23 53 59.20	0.010	18	0.34	52.682	16	33.1	59.36	16	33.1	G5 J	14	5196	E -23 5784
28		9.5R	34 52.916	0.0014	15	-22 28 55.72	-0.014	15	0.30	52.893	16	33.1	55.48	16	33.1	A2 J	14	5194	E -22 4804
29		9.1A	34 54.927	0.0004	20	-20 28 2.79	-0.007	15	0.34	54.920	16	33.1	2.68	16	33.1	A2 J	13A	3105	A -20 2067
30		9.3R	34 56.172	-0.0019	18	-26 27 43.44	0.024	18	0.34	56.205	16	33.1	43.84	16	33.1	A0 J	14	5197	E -26 4652
31		9.0R	34 57.543	-0.0014	17	-29 2 26.56	-0.016	17	0.32	57.568	16	33.1	26.30	16	33.1	A0 J	13B	4216	J -28 4607
32		9.3R	34 58.112	0.0016	18	-27 5 2.58	-0.009	18	0.34	58.082	16	33.1	2.42	16	33.1	K0 M	14	5199	E -26 4654
33		8.8R	34 58.360	0.0012	18	-25 44 26.29	-0.001	18	0.34	58.340	16	33.1	26.27	16	33.1	A0 J	14	5198	E -25 4787
34		6.8T	35 0.566	0.0008	16	-26 42 8.40	-0.369	11	0.70	0.526	19	01.4	4.91	17	99.7	K0	GC	10223	C -26 4655
35		8.5A	35 0.745	0.0001	18	-20 10 56.95	0.021	13	0.31	0.743	16	33.1	57.31	16	33.1	G5 J	13A	3106	A -19 1975
36		9.2R	35 2.383	0.0010	18	-25 49 9.55	0.008	18	0.34	2.367	16	33.1	9.68	16	33.1	A0 J	14	5201	E -25 4788
37		7.5R	35 2.594	-0.0003	15	-27 18 30.48	0.007	15	0.30	2.600	16	33.1	30.59	16	33.1	B8 J	13B	4218	J -27 4310
38		9.3A	35 5.868	0.0006	18	-21 31 30.17	0.006	13	0.31	5.857	16	33.1	30.27	16	33.1	K0 J	13A	3108	A -21 2041
39		8.6R	35 6.592	-0.0025	12	-28 11 10.14	-0.003	12	0.26	6.635	16	33.1	10.08	16	33.1	K2 J	13B	4219	J -28 4609
40		8.9A	35 8.567	-0.0009	15	-20 29 28.34	0.004	12	0.28	8.583	16	33.1	28.41	16	33.1	K5 J	13A	3110	A -20 2072
41		6.3T	35 9.963	-0.0014	12	-23 39 42.30	0.019	11	0.63	10.038	17	96.4	43.34	17	94.2	F0	GC	10231	C -23 5791
42		9.0R	35 12.312	-0.0006	20	-28 20 56.14	0.016	20	0.37	12.323	16	33.1	56.40	16	33.1	A0 J	13B	4221	J -28 4612
43		9.4R	35 12.502	0.0004	18	-22 41 1.13	0.016	18	0.34	12.495	16	33.1	1.40	16	33.1	K0 M	14	5203	E -22 4813
44		9.0R	35 12.853	-0.0004	20	-24 44 4.04	0.009	20	0.37	12.860	16	33.1	4.20	16	33.1	K0 M	14	5204	E -24 5679
45		9.2R	35 14.875	0.0010	18	-23 17 23.65	-0.026	18	0.34	14.857	16	33.1	23.21	16	33.1	F0 J	14	5205	E -23 5792
46		9.3R	35 19.364	-0.0027	20	-28 21 55.82	-0.021	20	0.37	19.409	16	33.1	55.46	16	33.1	G5 M	13B	4222	J -28 4617
47		9.4R	35 19.726	-0.0025	22	-24 40 49.34	0.000	22	0.41	19.768	16	33.1	49.34	16	33.1	F8 M	14	5206	E -24 5682
48		9.3R	35 25.018	-0.0038	20	-22 46 59.55	0.019	20	0.37	25.062	16	33.1	59.87	16	33.1	K0 M	14	5207	E -22 4820
49		9.0R	35 26.037	-0.0006	17	-24 28 50.78	-0.185	17	0.32	26.048	16	33.1	47.65	16	33.1	K2 J	14	5208	E -24 5685
50		9.4R	35 28.261	0.0001	20	-28 27 43.05	0.023	20	0.37	28.260	16	33.1	43.43	16	33.1	F5 M	13B	4225	J -28 4620
51		9.2R	7 35 29.476	0.0008	18	-26 29 19.21	-0.020	18	0.34	29.462	16	33.1	18.87	16	33.1	K7 M	14	5213	E -26 4668
52		8.7R	35 29.702	0.0006	18	-20 20 20.72	-0.010	18	0.34	29.695	16	33.1	20.56	16	33.1	K0 J	14	5212	E -25 4804
53		9.3R	35 32.048	-0.0008	12	-22 31 9.57	0.012	12	0.26	32.062	16	33.1	9.77	16	33.1	F5 J	14	5210	E -22 4824
54		9.0R	35 32.120	-0.0020	20	-24 26 56.22	0.019	20	0.37	32.153	16	33.1	56.53	16	33.1	K0 M	14	5214	E -24 5687
55		9.2R	35 32.540	-0.0013	18	-22 59 57.33	-0.004	18	0.34	32.561	16	33.1	57.26	16	33.1	B9 J	14	5211	E -22 4826
56		9.1R	35 32.726	-0.0016	18	-26 17 6.13	0.033	18	0.34	32.752	16	33.1	6.68	16	33.1	K5 J	14	5216	E -26 4669
57		9.7R	35 36.003	0.0003	13	-22 29 24.56	-0.009	13	0.28	35.997	16	33.1	24.41	16	33.1	B5 M	14	5215	E -22 4827
58		9.6R	35 36.607	-0.0010	20	-23 21 44.71	-0.019	20	0.37	36.624	16	33.1	44.39	16	33.1	F5 M	14	5217	E -23 5803
59		8.8R	35 37.895	-0.0027	20	-22 59 55.78	0.010	20	0.37	37.941	16	33.1	55.95	16	33.1	A0 M	14	5218	E -22 4828
60		8.5R	35 39.482	0.0035	18	-22 30 44.86	-0.001	18	0.34	39.423	16	33.1	44.84	16	33.1	K0 J	14	5219	E -22 4829
61		8.3R	35 43.113	-0.0012	15	-27 10 7.97	0.009	15	0.30	43.133	16	33.1	8.12	16	33.1	A0 J	13B	4227	J -27 4324
62		9.2R	35 47.116	-0.0002	15	-24 0 22.85	0.026	15	0.30	47.119	16	33.1	23.28	16	33.1	G5 M	14	5220	E -23 5808
63		8.5R	35 50.681	-0.0073	18	-27 7 16.12	0.087	18	0.34	50.805	16	33.1	17.59	16	33.1	F5 J	13B	4229	J -26 4679
64		9.6R	35 52.674	0.0024	18	-24 23 18.23	-0.014	18	0.34	52.633	16	33.1	17.99	16	33.1	A0 J	14	5221	E -24 5697
65		9.0R	35 53.216	-0.0022	20	-29 15 23.15	-0.013	20	0.37	53.253	16	33.1	22.93	16	33.1	K0 M	13B	4231	J -29 4684
66		9.5R	35 56.231	0.0043	18	-24 19 32.15	-0.044	18	0.34	56.159	16	33.1	31.40	16	33.1	K0 M	14	5223	E -24 5700
67		8.6R	35 57.153	-0.0025	22	-23 35 25.43	0.017	22	0.41	57.195	16	33.1	25.71	16	33.1	M0 M	14	5225	E -23 5813
68		9.0R	35 57.414	-0.0011	18	-26 30 44.00	-0.056	18	0.34	57.432	16	33.1	43.05	16	33.1	K0 M	14	5226	E -26 4683
69		9.4R	35 58.563	-0.0043	18	-22 17 26.17	-0.004	18	0.34	58.636	16	33.1	26.09	16	33.1	G0 M	14	5224	E -22 4839
70		9.2R	36 0.506	-0.0010	15	-27 18 21.12	-0.022	15	0.30	0.523	16	33.1	20.74	16	33.1	A2 J	13B	4232	J -27 4333
71		9.3R	36 1.321	0.0012	18	-25 15 24.36	-0.005	18	0.34	1.300	16	33.1	24.29	16	33.1	K0 M	14	5228	E -25 4821
72		8.2R	36 7.699	0.0027	17	-28 37 25.74	-0.079	17	0.32	7.643	16	33.1	24.41	16	33.1	F5 J	13B	4235	J -28 4634
73		9.2R	36 8.823	0.0021	18	-26 9 59.21	0.005	18	0.34	8.788	16	33.1	59.29	16	33.1	K2 M	14	5231	E -26 4827
74		9.9R	36 11.296	0.0018	22	-23 43 27.13	-0.010	22	0.41	11.266	16	33.1	26.95	16	33.1	A0 M	14	5230	E -23 5822
75		4.6T	36 13.084	-0.0008	05	-25 15 0.43	-0.010	05	0.27	13.120	12	05.2	59.96	12	01.6	B8	GC	10266K	C*-25 4826
76		8.4R	36 13.404	0.0001	20	-26 47 1.62	0.005	20	0.37	13.402	16	33.1	1.70	16	33.1	A3 J	14	5233K	E -26 4691
77		8.5R	36 15.006	-0.0049	20	-27 1 58.90	0.172	20	0.37	15.090	16	33.1	1.80	16	33.1	G5 J	14	5236	E -26 4694
78		8.9R	36 15.968	0.0006	12	-28 19 12.04	0.024	12	0.26	15.958	16	33.1	12.44	16	33.1	A0 J	13B	4238	J -28 4636
79		8.7A	36 16.187	-0.0004	18	-21 42 36.61	-0.000	13	0.31	16.195	16	33.1	38.60	16	33.1	B9 J	13A	3113	A -21 2052
80		9.5R	36 17.659	-0.0015	21	-24 0 18.13	0.003	21	0.39	17.684	16	33.1	18.17	16	33.1	A5 J	14	5234	E -23 5824
81		9.3R	36 18.925	-0.0018	20	-23 37 28.52	-0.020	20	0.37	18.955	16	33.1	28.18	16	33.1	A7 M	14	5235	E -23 5827
82		9.5R	36 21.115	-0.0014	20	-29 4 58.90	0.017	20	0.37	21.140	16	33.1	59.20	16	33.1	G0 M	13B	4241	J -28 4640
83		9.1R	36 24.872	-0.0046	22	-23 43 31.92	-0.012	22	0.41	24.949	16	33.1	31.71	16	33.1	K2 M	14	5237	E -23 5830
84		9.4R	36 25.506	-0.0010	20	-29 7 6.46	0.003	20	0.37	25.523	16	33.1	6.52	16	33.1	K0 J	14	5238	E -22 4859
85		8.8R	36 26.179	0.0001	18	-26 28 51.63	-0.003	15	0.32	26.178	16	33.1	51.57	16	33.1	G5 M	13B	4243	J -28 4642
86		9.1R	36 28.907	0.0000	20	-29 56 55.11	0.032	20	0.37	28.906	16	33.1	55.66	16	33.1	B9 J	14	5241	E -26 4701
87		8.9R	36 29.561	-0.0018	22	-23 43 1.29	0.052	22	0.41	29.591	16	33.1	2.16	16	33.1	A0 J	13B	4244	J -29 4702
88		9.4A	36 29.859	-0.0004	17	-21 45 32.97	0.033	13	0.30	29.866	16	33.1	33.53	16	33.1	G5 J	14	5239	E -23 5832
89		8.6R	36 30.965	-0.0012	18	-22 18 6.87	0.024	18	0.34	30.985	16	33.1	7.27	16	33.1	B8 J	13A	3114	A -21 2055
90		7.5R	36 36.017	0.0007	18	-26 12 5.77	-0.000	18	0.34	36.005	16	33.1	5.76	16	33.1	K0 J	14	5238	E -22 4859
91		9.2R	36 36.994	-0.0000	15	-28 3 2.33	-0.011	12	0.28	36.994	16	33.1	2.14	16	33.1	B9 J	14	5243	E -26 4703
92		9.2R	36 37.258	0.0007	17	-28 3 12.76	0.050	17	0.32	37.247	16	33.1	13.60	16	33.1	F J	13B	4245	J -27 4344
93		9.6R	36 39.087	-0.0029	20	-24 46 30.55	0.018	20	0.37	39.136	16	33.1	30.85	16	33.1	F J	13B	4246	J -27 4344
94		9.6R	36 39.991	-0.0012	20	-23 20 37.14	0.010	20	0.37	40.011	16	33.1	37.31	16	33.1	G5 M	14	5245	E -24 5714
95		9.6R	36 42.380	-0.0009	13	-22 28 13.36	-0.031	13	0.28	42.395	16	33.1	12.84	16	33.1	A0 M	14	5244	E -23 5839
96		9.3R	36 43.350	0.0012	18	-24 4 21.35	-0.025	18	0.34	43.330	16	33.1	20.92	16	33.1	K0 M	14	5246	E -22 4867
97		9.0A	36 45.062	-0.0013	18	-20 35 24.69	0.002	13	0.31	45.083	16	33.1	24.73	16	33.1	A0 J	14	5247	E -23 5845
98		4.5T	36 46.323	-0.0016	07	-26 41 12.59	0.016	06	0.37	46.408	14	95.4	13.53	12	90.0	A0 J	13A	3118	A -20 2084
99		4.6T	36 46.820	-0.0025	05	-26 41 19.88	0.025	04	0.25	46.931	10	05.2	21.13	10	99.1	B8	GC	10281K	C -26 4707
00		9.0R	36 47.590	-0.0020	20	-29 56 27.36	0.013	20	0.37	47.623	16	33.1	27.58	16	33.1	B8 J	GC	10283K	C*-26 4707
																	13B	4248	J -29 4708

174200 — EPOCH 1950 — ORIGINAL EPOCH — -20° 7H

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.		SOURCE CAT.	SOURCE STAR NUMBER	DM NUMBER
1		9.1A	7 36 48.759	-0.0023	18	-21 13 42.46	-0.010	13	0.31	48.797	16	33.1	42.28	16	33.1	K5	J	13A	3120	A -21 2059
2		9.4R	36 51.676	-0.0017	16	-26 31 58.01	-0.001	18	0.34	51.704	16	33.1	57.99	16	33.1	K5	M	14	5250	E -26 4709
3		9.1R	36 58.396	-0.0013	15	-22 43 25.18	-0.015	15	0.30	58.418	16	33.1	24.93	16	33.1	K2	J	14	5252	E -22 4877
4		9.3R	36 58.444	0.0015	17	-22 36 54.15	0.014	17	0.32	58.418	16	33.1	54.39	16	33.1	B8	M	14	5251	E -22 4875
5		9.3R	36 59.634	-0.0020	12	-22 34 52.35	0.011	12	0.26	59.667	16	33.1	52.53	16	33.1	A0	M	14	5253	E -22 4878
6		8.9A	37 2.583	-0.0002	18	-20 14 9.37	0.019	13	0.31	2.587	16	33.1	9.70	16	33.1	K5	J	13A	3122	A -20 2087
7		8.7R	37 2.645	-0.0004	20	-29 52 35.07	-0.007	20	0.37	2.652	16	33.1	34.95	16	33.1	K2	J	13B	4255	J -29 4712
8		9.8R	37 3.003	0.0001	20	-22 43 5.83	0.001	20	0.37	3.001	16	33.1	5.85	16	33.1	K2	J	14	5254	E -22 4880
9		9.2R	37 6.251	0.0019	18	-22 41 34.49	0.007	18	0.34	6.219	16	33.1	34.61	16	33.1	A0	J	14	5255	E -22 4881
10		8.6R	37 7.366	0.0012	18	-25 19 47.13	0.004	18	0.34	7.345	16	33.1	47.21	16	33.1	B9	J	14	5256	E -25 4848
11		9.3R	37 7.575	0.0028	17	-29 3 50.93	-0.009	17	0.32	7.627	16	33.1	50.79	16	33.1	A5	M	13B	4256	J -28 4659
12		9.0R	37 10.758	-0.0001	18	-23 53 37.26	-0.028	18	0.34	10.759	16	33.1	36.78	16	33.1	A0	J	14	5257	E -23 5858
13		8.0R	37 11.466	0.0011	20	-29 21 34.26	0.013	20	0.37	11.448	16	33.1	34.49	16	33.1	B8	J	13B	4257	J -29 4715
14		9.3R	37 15.445	-0.0002	18	-26 18 30.69	0.018	18	0.34	15.449	16	33.1	30.99	16	33.1	A0	J	14	5259	E -26 4716
15		9.1R	37 16.372	0.0013	18	-23 14 14.28	0.004	18	0.34	16.349	16	33.1	14.35	16	33.1	K0	M	14	5258	E -23 5861
16		9.1R	37 17.961	0.0005	17	-28 34 5.57	-0.021	17	0.32	17.952	16	33.1	5.22	16	33.1	A2	J	13B	4260	J -28 4662
17		9.0R	37 18.372	-0.0028	20	-26 34 10.66	-0.004	20	0.37	18.420	16	33.1	10.59	16	33.1	A2	J	14	5260	E -26 4718
18		8.2R	37 22.782	-0.0014	18	-24 6 50.13	-0.002	18	0.34	22.806	16	33.1	50.09	16	33.1	K0	J	14	5261	E -23 5865
19		6.2T	37 23.918	-0.0013	11	-26 44 49.47	-0.002	11	0.61	23.982	19	98.9	49.34	19	96.6	B8		GC	10300	C -26 4722
20		9.7R	37 26.169	-0.0014	20	-28 47 16.46	0.020	20	0.37	26.192	16	33.1	16.81	16	33.1	A	M	13B	4262	J -28 4665
21		8.6R	37 26.604	-0.0022	17	-29 7 15.39	-0.019	17	0.32	26.641	16	33.1	15.08	16	33.1	A0	J	13B	4263	J -28 4666
22		9.2R	37 26.619	0.0006	18	-24 27 50.43	-0.017	18	0.34	26.604	16	33.1	50.13	16	33.1	K0	J	14	5262	E -24 5732
23		6.7T	37 26.851	-0.0018	12	-26 48 11.48	-0.016	11	0.62	26.941	18	99.2	10.61	18	96.8	B3		GC	10302K	C -26 4723
24		9.0R	37 31.403	0.0030	20	-29 55 14.35	-0.011	20	0.37	31.353	16	33.1	14.17	16	33.1	B9	J	13B	4265K	J -29 4724
25		8.6R	37 31.791	-0.0021	20	-26 21 30.02	0.029	20	0.37	31.826	16	33.1	30.50	16	33.1	G0	J	14	5268	E -26 4724
26		9.4R	37 32.118	-0.0026	20	-24 51 12.71	-0.017	20	0.37	32.161	16	33.1	12.43	16	33.1	K0	M	14	5266	E -24 5735
27		9.0A	37 34.081	-0.0027	17	-20 7 54.55	0.022	13	0.30	34.126	16	33.1	54.93	16	33.1	A2	J	13A	3124	A -19 1997
28		9.1R	37 34.898	-0.0024	20	-29 41 19.94	-0.024	20	0.37	34.939	16	33.1	19.53	16	33.1	A0	J	13B	4266	J -29 4726
29		9.2R	37 37.897	-0.0013	20	-28 53 57.81	-0.020	20	0.37	37.919	16	33.1	57.48	16	33.1	F8	J	13B	4267	J -28 4670
30		7.3T	37 39.291	0.0030	18	-29 4 29.04	0.033	22	0.98	39.149	19	02.5	30.58	21	03.5	K2		GC	10310	C -28 4674
31		9.3R	37 39.495	0.0002	15	-22 32 23.07	-0.012	15	0.30	39.491	16	33.1	22.87	16	33.1	K0	M	14	5269	E -22 4896
32		9.4R	37 40.264	0.0033	20	-22 54 56.12	0.008	20	0.37	40.208	16	33.1	56.25	16	33.1	F8	M	14	5270	E -22 4898
33		8.5A	37 40.403	0.0006	18	-22 4 40.07	-0.004	13	0.31	40.394	16	33.1	39.99	16	33.1	B9	J	13A	3126	A -21 2064
34		8.3R	37 41.932	0.0013	12	-23 44 54.43	-0.040	12	0.26	41.909	16	33.1	53.74	16	33.1	K0	J	14	5271	E -23 5875
35		8.8R	37 43.687	-0.0002	17	-23 53 25.68	0.021	22	0.37	43.690	16	33.1	26.03	16	33.1	K0	J	14	5272	E -23 5876
36		8.1R	37 46.840	-0.0008	12	-23 9 59.40	-0.027	12	0.26	46.853	16	33.1	58.94	16	33.1	G5	J	14	5274	E -22 4902
37		9.6R	37 47.372	0.0068	12	-22 23 51.49	0.011	12	0.26	47.257	16	33.1	51.67	16	33.1	B	M	14	5273	E -22 4901
38		9.1R	37 47.984	0.0002	20	-28 5 41.16	0.006	20	0.37	47.981	16	33.1	41.25	16	33.1	K0	M	13B	4270	J -27 4374
39		8.2R	37 48.234	-0.0022	15	-23 14 45.22	0.004	15	0.30	48.271	16	33.1	45.29	16	33.1	K0	J	14	5276	E -23 5881
40		8.2R	37 49.867	0.0009	12	-25 43 47.03	-0.020	12	0.26	49.852	16	33.1	46.69	16	33.1	K2	J	14	5277	E -25 4867
41		8.9A	37 52.937	-0.0018	17	-20 41 42.91	-0.000	13	0.30	52.968	16	33.1	42.90	16	33.1	A0	J	13A	3129	A -20 2098
42		9.4R	37 53.509	-0.0007	20	-24 16 9.84	0.005	20	0.37	53.521	16	33.1	9.92	16	33.1	A0	J	14	5278	E -24 5744
43		9.2R	37 54.782	-0.0020	18	-23 13 20.52	-0.015	18	0.34	54.816	16	33.1	20.27	16	33.1	K0	M	14	5279	E -23 5883
44		8.4R	37 55.479	0.0045	20	-29 8 46.44	-0.004	20	0.37	55.403	16	33.1	46.37	16	33.1	K5	J	13B	4271	J -28 4676
45		8.1R	37 55.751	0.0000	18	-24 36 21.35	-0.020	18	0.34	55.751	16	33.1	21.02	16	33.1	K5	J	14	5280	E -24 5746
46		9.4R	38 0.439	-0.0004	15	-22 23 27.52	0.026	15	0.30	0.445	16	33.1	27.95	16	33.1	G5	M	14	5282	E -22 4907
47		7.9R	38 2.222	0.0001	18	-24 25 24.84	-0.029	18	0.34	2.220	16	33.1	24.34	16	33.1	K0	J	14	5283	E -24 5748
48		9.1R	38 2.998	0.0005	15	-24 19 36.50	-0.016	15	0.30	2.990	16	33.1	36.22	16	33.1	K2	M	14	5284	E -24 5749
49		9.7R	38 8.472	0.0003	20	-24 10 8.86	0.005	20	0.37	8.467	16	33.1	8.94	16	33.1	A5	M	14	5285	E -23 5896
50		9.4R	38 10.440	-0.0018	18	-24 23 33.79	0.011	18	0.34	10.470	16	33.1	33.97	16	33.1	A3	M	14	5287	E -24 5753
51		9.5R	7 38 11.705	-0.0022	20	-23 6 30.07	-0.111	20	0.37	11.742	16	33.1	28.19	16	33.1	A0	J	14	5286	E -22 4912
52		9.2A	38 12.022	-0.0004	18	-20 0 44.54	-0.017	13	0.32	12.029	18	33.1	44.25	16	33.1	B9	J	12B	3133	A -19 2005
53		9.6R	38 14.060	-0.0027	20	-23 13 7.43	0.010	20	0.37	14.105	16	33.1	7.60	16	33.1	A0	J	14	5288	E -23 5899
54		8.2R	38 15.042	-0.0017	18	-26 28 25.42	0.021	18	0.34	15.071	16	33.1	25.77	16	33.1	A3	J	14	5291	E -26 4741
55		8.8R	38 15.454	0.0012	12	-29 34 31.75	-0.022	12	0.26	15.434	16	33.1	31.38	16	33.1	K0	J	13B	4276	J -29 4742
56		7.8A	38 15.808	-0.0016	18	-21 55 46.34	0.019	13	0.31	15.835	16	33.1	46.66	16	33.1	K0	J	13A	3134	A -21 2069
57		9.5R	38 17.352	0.0009	20	-24 14 28.75	0.018	20	0.37	17.337	16	33.1	29.04	16	33.1	K	M	14	5290	E -24 5758
58		9.0A	38 17.501	-0.0006	18	-20 54 35.30	0.010	13	0.31	17.511	16	33.1	35.46	16	33.1	A3	J	13A	3135	A -20 2104
59		9.6R	38 20.174	-0.0029	17	-24 44 9.12	-0.020	17	0.32	20.224	16	33.1	8.78	16	33.1	A2	M	14	5293	E -24 5760
60		8.3R	38 21.636	-0.0006	12	-28 48 39.47	0.024	12	0.26	21.647	16	33.1	39.89	16	33.1	M0	M	13B	4278	J -28 4684
61		9.0A	38 22.968	-0.0007	20	-20 38 30.85	-0.021	15	0.34	22.979	16	33.1	30.50	16	33.1	F0	J	13A	3136	A -20 2106
62		9.4R	38 25.083	-0.0008	18	-25 38 27.72	-0.006	18	0.34	25.097	16	33.1	27.61	16	33.1	K5	M	14	5297	E -25 4881
63		9.2R	38 25.086	-0.0006	18	-22 11 43.23	0.018	18	0.34	25.096	16	33.1	43.53	16	33.1	F0	J	14	5294	E -22 4916
64		9.0A	38 26.417	-0.0003	20	-21 6 38.92	0.017	15	0.34	26.421	16	33.1	39.20	16	33.1	K5	J	13A	3137	A -20 2107
65		8.9R	38 27.508	0.0008	18	-22 16 43.86	-0.028	18	0.34	27.495	16	33.1	43.38	16	33.1	K0	J	14	5295	E -22 4920
66		6.9T	38 27.640	-0.0010	14	-29 57 44.61	0.052	12	0.73	27.692	21	97.0	47.35	18	97.4	B5		GC	10338	C -29 4751
67		9.2R	38 27.982	-0.0007	18	-23 19 40.12	0.002	18	0.34	27.994	16	33.1	40.15	16	33.1	K0	M	14	5296	E -23 5913
68		7.9R	38 28.942	-0.0004	15	-28 6 8.63	0.006	15	0.30	28.949	16	33.1	8.73	16	33.1	K2	J	13B	4281	J -27 4389
69		7.4T	38 30.169	-0.0027	13	-29 55 55.01	0.034	12	0.69	30.307	18	98.3	56.83	18	96.9	B9		GC	10339	C -29 4752
70		9.0A	38 32.069	-0.0009	20	-21 49 34.29	-0.010	15	0.34	32.084	16	33.1	34.12	16	33.1	B8	J	13A	3139	A -21 2072
71		8.6A	38 35.522	-0.0002	20	-20 50 16.92	0.000	15	0.34	35.525	16	33.1	16.93	16	33.1	A0	J	13A	3140	A -20 2109
72		8.5R	38 41.202	-0.0029	18	-23 58 13.33	0.005	18	0.34	41.251	16	33.1	13.41	16	33.1	A0	J	14	5300	E -23 5927
73		7.3R	38 41.750	0.0002	20	-27 49 41.40	-0.020	20	0.37	41.747	16	33.1	41.05	16	33.1	B8	J	13B	4285	J -27 4393
74		9.0R	38 43.118	0.0013	20	-29 40 10.33	-0.006	20	0.37	43.096	16	33.1	10.23	16	33.1	F0	J	13B	4286	J -29 4760
75		8.1R	38 43.904	0.0018	18	-24 9 23.45	0.008	18	0.34	43.874	16	33.1	23.58	16	33.1	K0	J	14	5304	E -23 5930
76		8.8R	38 44.271	-0.0030	21	-23 58 40.89	-0.017	21	0.39	44.321	16	33.1	40.60	16	33.1	M	M	14	5305	E -23 5931
77		8.8R	38 45.581	0.0001	18	-22 18 11.76	0.019	18	0.34	45.580	16	33.1	12.08	16	33.1	G0	J	14	5303	E -22 4930
78		8.8A	38 48.423	-0.0032	17	-20 14 40.06	0.036	13	0.30	48.476	16	33.1	40.68	16	33.1	F5	J	13A	3142	A -20 2112
79		9.2R	38 48.643	-0.0023	20	-29 37 30.53	-0.024	20	0.37	48.682	16	33.1	30.12	16	33.1	F0	J	13B	4288	J -29 4763
80		8.9R	38 49.370	0.0246	12	-26 14 31.73	-0.277	12	0.26	48.954	16	33.1	27.04	16	33.1	G0	J	14	5309	E -26 4750
81		8.3R	38 52.966	0.0012	20	-29 53 33.89	-0.014	20	0.37	52.946	16	33.1	33.65	16	33.1	B9	J	13B	4289	J -29 4767
82		9.0R	38 53.821	-0.0017	18	-24 28 46.28	-0.012	18	0.34	53.849	16	33.1	46.07	16	33.1	F8	J	14	5310	E -24 5775
83		9.8R	38 56.813	-0.0063	20	-24 17 26.88	-0.018	20	0.37	56.919	16	33.1	26.57	16	33.1	F5	M	14	5312	E -24 5777
84		9.5R	38 56.913	-0.0025	12	-22 35 6.57	0.007	12	0.26	56.955	16	33.1	6.69	16	33.1	A2	J	14	5311	E -22 4938
85		8.5R	38 57.450	0.0021	13	-29 25 53.12	-0.008	13	0.28	57.414	16	33.1	52.99	16	33.1	G5	J	13B	4291	J -29 4771
86		9.2R	38 58.568	-0.0026	12	-29 37 32.64	-0.018	12	0.26	58.611	16	33.1	32.34	16	33.1	A0	J	13B	4292	J -29 4772
87		8.7R	38 59.291	0.0017	18	-27 4 4.64	-0.011	18	0.34	59.262	16	33.1	4.45	16	33.1	K0	J	14	5315	E -26 4759
88		9.5R	38 59.751	0.0026	18	-24 35 26.22	0.003	18	0.34	59.706	16	33.1	26.27	16	33.1	K0	M	14	5314	E -24 5779
89		7.8A	39 0.077	-0.0001	17	-21 7 46.13	-0.000	13	0.30	0.078	16	33.1	46.12	16	33.1	K5	J	13A	3145	A -20 2114
90		9.2R	39 1.744	-0.0013	17	-28 49 49.50	-0.008	17	0.32	1.766	16	33.1	49.37	16	33.1	B9	J	13B	4295	J -28 4701
91		8.9R	39 3.287	0.0001	12	-25 30 19.15	0.005	12	0.26	3.286	16	33.1	19.23	16	33.1	A0	J	14	5316	E -25 4900
92		8.8A	39 4.786	-0.0040	18	-20 14 59.59	0.072	13	0.31	4.855	16	33.1	+ 0.80	16	33.1	G	J	13A	3147	A -20 2116
93		9.0R	39 6.918	-0.0119	18	-24 2 54.84	0.048	18	0.34	7.118	16	33.1	55.64	16	33.1	G0	J	14	5317	E -23 5944
94		9.4A	39 7.277	-0.0013	18	-21 44 40.82	-0.030	13	0.31	7.299	16	33.1	40.31	16	33.1	A0	J	13A	3148	A -21 2076
95		9.2R	39 10.122	-0.0007	18	-26 52 31.94	0.008	18	0.34	10.135	16	33.1	32.07	16	33.1	A0	J	14	5321	E -26 4765
96		9.6R	39 10.219	-0.0037	20	-23 28 13.63	-0.019	20	0.37	10.281	16	33.1	13.31	16	33.1			14	5318	E -23 5946
97		9.1R	39 12.517	0.0005	17	-28 43 57.71	-0.042	17	0.32	12.508	16	33.1	57.00	16	33.1	K0	M	13B	4298	J -28 4705
98		6.4T	39 14.618	0.0012	18	-22 13 8.85	-0.007	17	0.88	14.561	18	01.5	8.49	18	01.2	M0		GC	10352	-21 2077
99		9.6R	39 15.166	-0.0019	15	-22 22 18.96	-0.003	15	0.30	15.198	16	33.1	18.90	16	33.1	G0	M	14	5320	E -22 4953
00		8.9R	39 16.334	0.0019	18	-26 9 1.56	0.003	18	0.34	16.301	16	33.1	1.61	16	33.1	K5	J	14	5322	E -25 4908

174300

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.		SOURCE CAT.	STAR NUMBER	-20° 7H DM NUMBER
1		9.6R	7 39 20.387	0.0002	20	-24 17 11.36	-0.040	20	0.37	20.384	16	33.1	10.67	16	33.1	G0	M	14	5323	E -24 5785
2		9.0R	39 20.856	0.0027	18	-25 5 10.72	-0.012	18	0.34	20.812	16	33.1	10.53	16	33.1	K2	J	14	5324	E -24 5787
3		8.9A	39 21.998	0.0007	20	-21 7 56.09	-0.004	15	0.34	21.986	16	33.1	56.02	16	33.1	A0	J	13A	3152	A -20 2119
4		8.9R	39 23.020	-0.0055	22	-24 25 35.63	0.041	22	0.41	23.112	16	33.1	36.52	16	33.1	A0	J	14	5325	E -24 5789
5		9.5R	39 26.223	0.0010	22	-24 24 51.18	-0.011	22	0.41	26.205	16	33.1	50.99	16	33.1	K0	M	14	5326	E -24 5790
6		9.1R	39 26.735	-0.0020	12	-29 52 59.66	-0.018	12	0.26	26.769	16	33.1	59.36	16	33.1	B9	J	13B	4300	J -29 4781
7		9.0R	39 32.970	0.0022	18	-24 45 50.41	-0.013	18	0.34	32.933	16	33.1	50.19	16	33.1	B9	J	14	5328	E -24 5792
8		9.0R	39 33.105	-0.0028	15	-23 16 40.04	-0.044	15	0.30	33.152	16	33.1	39.29	16	33.1	K0	J	14	5327	E -23 5955
9		8.6A	39 35.236	-0.0015	20	-21 15 5.31	-0.058	15	0.34	35.262	16	33.1	4.33	16	33.1	K0	J	13A	3153	A -21 2079
10		6.8T	39 36.929	-0.0029	18	-22 17 11.41	0.042	17	0.88	37.070	18	01.5	13.46	18	00.9	A3		GC	10358	-22 1986
11		7.9R	39 37.127	-0.0004	15	-27 6 52.90	0.015	15	0.30	37.135	16	33.1	53.15	16	33.1	B8	J	14	5332	E -26 4779
12		9.0R	39 37.270	0.0012	18	-23 28 4.88	-0.020	18	0.34	37.250	16	33.1	4.54	16	33.1	K0	J	14	5330	E -23 5960
13		9.5R	39 39.413	-0.0001	17	-22 43 32.18	-0.039	17	0.32	39.415	16	33.1	31.52	16	33.1	A0	J	14	5331	E -22 4965
14		9.4R	39 42.053	-0.0001	18	-27 7 44.71	-0.012	18	0.34	42.055	16	33.1	44.50	16	33.1	B8	M	13B	4302	J -26 4784
15		8.1R	39 47.285	-0.0008	18	-23 30 4.24	0.011	18	0.34	47.299	16	33.1	4.42	16	33.1	B9	J	14	5334	E -23 5966
16		9.2A	39 51.053	-0.0001	17	-20 5 57.24	-0.003	13	0.30	51.054	16	33.1	57.19	16	33.1	K2	J	13A	3156	A -19 2013
17		9.0R	39 52.483	0.0003	17	-29 59 12.42	-0.014	17	0.32	52.477	16	33.1	12.18	16	33.1	B9	J	13B	4304	J -29 4794
18		9.6R	39 53.778	-0.0030	20	-22 14 31.90	0.001	20	0.37	53.829	16	33.1	31.91	16	33.1	F8	M	14	5337	E -22 4972
19		8.8R	39 54.486	-0.0012	18	-25 45 27.32	-0.008	18	0.34	54.506	16	33.1	27.18	16	33.1	G0	M	14	5338	E -25 4923
20		9.2R	39 56.124	0.0004	18	-26 21 48.01	-0.023	18	0.34	56.117	16	33.1	47.61	16	33.1	F0	J	14	5340	E -26 4792
21		9.1A	39 56.459	-0.0007	20	-22 6 50.12	-0.020	15	0.34	56.470	16	33.1	49.78	16	33.1	K7	J	13A	3159	A -21 2084
22		9.5R	39 56.708	0.0024	18	-26 52 36.99	-0.000	18	0.34	56.667	16	33.1	36.98	16	33.1	G5	M	14	5342	E -26 4793
23		9.1R	39 59.099	0.0002	15	-26 39 1.63	-0.010	15	0.30	59.097	16	33.1	1.46	16	33.1	K5	J	14	5345	E -26 4797
24		9.3R	39 59.512	-0.0030	20	-29 12 13.42	0.027	20	0.37	59.562	16	33.1	13.88	16	33.1	B9	J	13B	4307	J -29 4797
25		8.5R	39 59.991	0.0011	18	-23 59 46.84	-0.017	18	0.34	59.972	16	33.1	46.54	16	33.1	A2	J	14	5341	E -23 5970
26		9.5R	40 0.119	-0.0006	12	-22 34 19.17	-0.002	12	0.26	0.129	16	33.1	19.14	16	33.1	K0	M	14	5339	E -22 4976
27		9.6R	40 0.406	-0.0023	18	-24 0 12.41	0.052	18	0.34	0.445	16	33.1	13.28	16	33.1			14	5343	E -23 5971
28		9.2R	40 1.330	0.0005	17	-28 14 11.30	0.024	17	0.32	1.322	16	33.1	11.70	16	33.1	A0	J	13B	4308	J -28 4724
29		9.2R	40 1.521	0.0041	18	-23 48 10.24	0.007	18	0.34	1.452	16	33.1	10.35	16	33.1	G5	J	14	5344	E -23 5972
30		9.0A	40 4.084	0.0015	18	-22 5 52.24	0.005	13	0.31	4.059	16	33.1	52.32	16	33.1	K2	J	13A	3160	A -21 2085
31		9.1R	40 4.270	0.0017	18	-25 46 58.87	-0.025	18	0.34	4.241	16	33.1	58.44	16	33.1	A0	J	14	5347	E -25 4927
32		9.2R	40 7.349	0.0004	17	-28 37 7.77	-0.015	17	0.32	7.343	16	33.1	7.53	16	33.1	K5	M	13B	4311	J -28 4726
33		9.5R	40 9.937	-0.0009	21	-27 48 39.70	-0.011	21	0.39	9.953	16	33.1	39.51	16	33.1	A0	M	13B	4312	J -27 4425
34		9.0R	40 12.634	-0.0015	17	-28 43 25.62	-0.027	17	0.32	12.660	16	33.1	25.17	16	33.1	A5	J	13B	4316	J -28 4729
35		9.1R	40 14.734	-0.0011	17	-28 18 47.05	0.030	17	0.32	14.752	16	33.1	47.55	16	33.1	A5	J	13B	4317	J -28 4730
36		9.0R	40 15.374	-0.0011	17	-26 26 54.60	0.032	17	0.32	15.393	16	33.1	55.13	16	33.1	M	M	14	5350	E -26 4805
37		8.4R	40 16.468	0.0001	18	-27 3 52.77	0.022	18	0.34	16.466	16	33.1	53.14	16	33.1	B8	J	14	5351	E -26 4806
38		8.6A	40 17.355	-0.0009	18	-21 49 0.60	-0.000	13	0.31	17.370	16	33.1	0.60	16	33.1	A0	J	13A	3163	A -21 2086
39		8.7R	40 17.742	-0.0011	12	-27 48 48.81	-0.021	12	0.26	17.760	16	33.1	48.45	16	33.1	A0	J	13B	4321	J -27 4427
40		9.3R	40 17.839	-0.0036	18	-23 44 22.16	-0.013	18	0.34	17.903	16	33.1	21.93	16	33.1	B9	J	14	5348	E -23 5987
41		9.2R	40 21.086	-0.0001	18	-24 58 19.62	-0.020	18	0.34	21.068	16	33.1	19.29	16	33.1	A2	J	14	5352	E -24 5815
42		7.6R	40 24.049	-0.0012	20	-27 36 38.37	-0.013	20	0.37	24.070	16	33.1	38.14	16	33.1	B9	J	13B	4323	J -27 4429
43		9.2R	40 24.726	-0.0036	18	-22 17 15.14	-0.003	18	0.34	24.787	16	33.1	15.09	16	33.1	A0	J	14	5353	E -22 4988
44		9.4R	40 30.683	-0.0017	20	-23 19 2.24	0.005	20	0.37	30.712	16	33.1	2.33	16	33.1	A2	J	14	5356	E -23 5995
45		9.6R	40 31.343	0.0005	20	-22 49 40.76	0.194	20	0.37	31.334	16	33.1	44.04	16	33.1	F8	J	14	5355	E -22 4992
46		8.7R	40 32.030	0.0001	18	-24 22 56.48	-0.002	18	0.34	32.028	16	33.1	56.44	16	33.1	A5	J	14	5358	E -24 5823
47		9.7R	40 32.805	-0.0008	15	-22 37 26.34	0.019	15	0.30	32.820	16	33.1	26.66	16	33.1	A0	M	14	5357	E -22 4993
48		9.4R	40 34.317	-0.0039	18	-25 0 28.94	-0.018	18	0.34	34.383	16	33.1	28.64	16	33.1	G0	M	14	5359	E -24 5824
49		9.2A	40 34.425	0.0016	20	-22 3 15.50	-0.003	15	0.34	34.399	16	33.1	15.45	16	33.1	F8	J	13A	3167	A -21 2088
50		9.0R	40 36.640	-0.0008	20	-27 53 6.52	-0.008	20	0.37	36.653	16	33.1	6.38	16	33.1	A2	J	13B	4326	J -27 4433
51		8.9A	7 40 36.786	-0.0024	17	-20 20 49.65	0.021	13	0.30	36.826	16	33.1	50.01	16	33.1	A0	J	13A	3168	A -20 2133
52		9.1R	40 38.458	-0.0008	18	-24 25 9.84	-0.008	18	0.34	38.471	16	33.1	9.70	16	33.1	K0	M	14	5360	E -24 5825
53		9.3R	40 39.874	0.0015	20	-29 15 29.25	-0.035	20	0.37	39.900	16	33.1	28.67	16	33.1	K0	M	13B	4328	J -29 4817
54		8.9R	40 42.958	0.0002	18	-26 47 24.59	-0.004	18	0.34	42.956	16	33.1	24.52	16	33.1	F2	J	14	5365	E -26 4823
55		9.0R	40 43.779	0.0019	18	-22 37 15.07	0.001	18	0.34	43.747	16	33.1	15.08	16	33.1	K2	J	14	5361	E -22 4997
56		5.8T	40 44.208	-0.0007	05	-26 13 52.54	-0.030	05	0.26	44.239	10	03.7	51.03	10	00.2	K0		GC	10385	C*-26 4824
57		8.8A	40 45.416	-0.0015	20	-21 38 15.64	-0.003	15	0.34	45.442	16	33.1	15.59	16	33.1	A0	J	13A	3171	A -21 2090
58		9.6R	40 45.740	0.0003	20	-23 50 42.49	-0.010	20	0.37	45.735	16	33.1	42.31	16	33.1	A0	J	14	5363	E -23 6003
59		9.1R	40 46.509	0.0001	20	-29 23 51.78	0.026	20	0.37	46.508	16	33.1	52.22	16	33.1	B9	J	13B	4331	J -29 4823
60		6.9T	40 46.589	0.0048	36	-21 52 25.00	-0.138	35	1.58	46.376	21	05.5	18.86	21	05.6	K0		GC	10387	-21 2091
61		9.1R	40 46.892	-0.0011	18	-23 34 25.82	0.008	18	0.34	46.910	16	33.1	25.95	16	33.1	B8	M	14	5364	E -23 6002
62		9.0R	40 47.797	-0.0003	20	-27 52 23.45	0.004	20	0.37	47.802	16	33.1	23.51	16	33.1	K2	M	13B	4330	J -27 4439
63		9.0R	40 49.446	-0.0008	18	-22 33 43.57	-0.027	18	0.34	49.460	16	33.1	43.12	16	33.1			14	5367	E -22 5001
64		8.6R	40 52.993	0.0001	17	-28 38 33.22	-0.002	17	0.32	52.992	16	33.1	33.20	16	33.1	B9	J	13B	4332K	J -28 4750
65		8.4R	40 53.328	0.0009	15	-25 43 12.20	-0.003	15	0.30	53.313	16	33.1	12.02	16	33.1	A2	J	14	5368	E -25 4946
66		9.4R	40 56.803	0.0001	18	-25 10 31.79	-0.005	18	0.34	56.802	16	33.1	31.71	16	33.1	A0	J	14	5370	E -25 4948
67		6.9T	41 1.012	-0.0001	17	-27 32 56.20	-0.009	20	0.89	1.018	19	01.7	55.76	21	03.1	A3		GC	10390	C -27 4446
68		9.6R	41 1.484	0.0006	17	-22 25 42.57	-0.047	17	0.32	1.474	16	33.1	41.77	16	33.1	K	M	14	5371	E -22 5009
69		9.1R	41 1.801	-0.0020	22	-24 28 29.74	0.011	22	0.41	1.834	16	33.1	29.92	16	33.1	A0	J	14	5372	E -24 5836
70		9.2R	41 2.202	0.0004	18	-27 1 56.87	-0.022	18	0.34	2.195	16	33.1	56.49	16	33.1	K2	J	14	5379	E -26 4838
71		9.0R	41 3.627	0.0002	20	-28 56 14.82	-0.122	20	0.37	3.623	16	33.1	12.77	16	33.1	K0	J	13B	4336	J -28 4752
72		9.3R	41 4.627	0.0003	18	-24 3 35.86	-0.006	18	0.34	4.622	16	33.1	35.75	16	33.1	K	M	14	5375	E -23 6011
73		8.8R	41 5.223	0.0008	18	-23 5 15.37	-0.005	18	0.34	5.212	16	33.1	15.29	16	33.1	K5	J	14	5374	E -22 5012
74		9.1R	41 6.766	-0.0032	18	-23 0 30.57	0.004	18	0.34	6.819	16	33.1	30.64	16	33.1	F0	J	14	5378	E -22 5013
75		9.4R	41 7.109	-0.0069	17	-22 15 54.03	-0.014	17	0.32	7.226	16	33.1	53.79	16	33.1	A0	M	14	5377	E -22 5011
76		9.6R	41 7.504	-0.0000	20	-23 15 58.72	0.015	20	0.37	7.505	16	33.1	58.97	16	33.1	F8	M	14	5380	E -23 6012
77		8.4R	41 7.527	0.0006	18	-24 28 52.00	-0.015	18	0.34	7.517	16	33.1	51.74	16	33.1	K0	J	14	5382	E -24 5840
78		8.2R	41 10.430	-0.0037	17	-29 26 10.11	0.021	17	0.32	10.492	16	33.1	10.47	16	33.1	F5	J	13B	4340	J -29 4837
79		7.5R	41 10.961	0.0070	18	-22 10 42.42	-0.014	18	0.34	10.842	16	33.1	42.18	16	33.1	G5	J	14	5383	E -22 5017
80		9.0R	41 17.306	-0.0003	18	-24 20 28.47	0.007	18	0.34	17.310	16	33.1	28.56	16	33.1	M	M	14	5385	E -24 5845
81		9.2A	41 17.324	0.0030	17	-20 43 44.63	-0.027	13	0.30	17.273	16	33.1	44.16	16	33.1	F0	J	13A	3175	A -20 2142
82		9.3R	41 18.436	-0.0002	17	-23 54 3.82	-0.002	17	0.32	18.439	16	33.1	3.78	16	33.1	K5	M	14	5386	E -23 6023
83		9.3R	41 20.564	-0.0022	18	-22 19 55.81	0.030	18	0.34	20.602	16	33.1	56.31	16	33.1	F5	J	14	5387	E -22 5022
84		9.0R	41 21.341	-0.0016	18	-25 38 22.17	-0.019	18	0.34	21.372	16	33.1	21.84	16	33.1	K0	J	14	5388	E -25 4960
85		8.1R	41 24.726	-0.0013	20	-29 14 26.38	0.098	20	0.37	24.748	16	33.1	28.05	16	33.1	G0	J	13B	4345	J -29 4846
86		8.5A	41 25.371	-0.0015	18	-21 9 40.71	-0.014	13	0.31	25.397	16	33.1	40.48	16	33.1	A0	J	13A	3177	A -20 2145
87		9.3R	41 27.106	-0.0003	20	-27 19 25.67	-0.064	20	0.37	27.112	16	33.1	24.58	16	33.1	F0	M	13B	4344	J -27 4456
88		8.1R	41 29.315	-0.0015	12	-27 3 31.82	0.004	12	0.26	29.340	16	33.1	31.88	16	33.1	A0	J	14	5392	E -26 4850
89		9.3R	41 29.692	0.0032	20	-28 21 9.59	-0.020	20	0.37	29.639	16	33.1	9.24	16	33.1			13B	4346	J -28 4764
90		9.4R	41 29.712	-0.0012	15	-22 46 55.24	-0.023	18	0.32	29.732	16	33.1	54.85	16	33.1	K0	M	14	5389	E -22 5027
91		4.8T	41 31.201	-0.0014	05	-28 17 27.46	0.022	05	0.22	31.260	07	08.7	28.39	07	07.0	K5		GC	10409K	C*-28 4767
92		9.2R	41 32.792	0.0009	18	-22 24 40.12	0.006	18	0.34	32.778	16	33.1	40.21	16	33.1	A2	J	14	5391	E -22 5029
93		8.9R	41 33.512	0.0000	20	-26 46 1.56	0.001	20	0.37	33.512	16	33.1	1.57	16	33.1	K0	J	14	5395	E -26 4853
94		8.4A	41 33.865	-0.0008	20	-22 2 51.20	-0.013	15	0.34	33.879	16	33.1	50.97	16	33.1	A0	J	13A	3180	A -21 2096
95		6.7T	41 34.050	-0.0002	14	-25 23 0.32	-0.008	12	0.70	34.060	18	99.7	-59.92	18	97.0	A3		GC	10413K	C -25 4966
96		9.3R	41 34.977	0.0000	18	-24 9 13.85	0.003	18	0.34	34.977	16	33.1	13.89	16	33.1	K0	M	14	5393	E -23 6037
97		8.0R	41 36.250	0.0010	20	-27 6 52.53	-0.021	20	0.37	36.234	16	33.1	52.17	16	33.1	K0	J	14	5396	E -26 4855
98		9.0R	41 39.941	-0.0052	18	-24 32 39.39	-0.009	18	0.34	40.029	16	33.1	39.23	16	33.1	B9	J	14	5397	E -24 5857
99		9.0R	41 43.515	-0.0008	18	-23 34 29.07	0.005	18	0.34	43.528	16	33.1	29.15	16	33.1	K	M	14	5398	E -23 6042
00		4.1T	41 47.957	-0.0008	04	-28 30 3.19	-0.005	04	0.19	47.996	06	02.1	2.96	06	00.1	A2P		GC	10417	C*-28 4774

174400			EPOCH 1950									ORIGINAL EPOCH						SP.		SOURCE		-20° 7H
NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	σ'_μ ″.001	σ_{1950} ″	α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.			CAT.	STAR NUMBER	DM NUMBER	
1		9.5R	7 41 50.391	-0.0006	20	-23 11 58.75	-0.001	20	0.37	50.401	16	33.1	58.73	16	33.1	K5	M	14	5400	E -23 6049	
2		8.8A	41 50.900	0.0014	20	-20 54 47.73	0.010	15	0.34	50.876	16	33.1	47.89	16	33.1	F5	J	13A	3183	A -20 2149	
3		9.2R	41 52.191	0.0014	18	-24 2 19.84	0.002	18	0.34	52.167	16	33.1	19.87	16	33.1	B9	J	14	5401	E -23 6051	
4		9.1R	41 53.278	-0.0038	18	-24 6 19.44	-0.034	18	0.34	53.343	16	33.1	18.86	16	33.1	K2	J	14	5402	E -23 6053	
5		9.2R	41 55.862	-0.0005	18	-22 40 25.50	0.002	18	0.34	55.871	16	33.1	25.53	16	33.1	A5	J	14	5403	E -22 5040	
6		8.5R	41 56.930	-0.0005	20	-28 18 38.44	0.028	20	0.37	56.938	16	33.1	38.91	16	33.1	B9	J	13B	4351	J -28 4777	
7		9.5R	41 57.650	0.0012	18	-25 31 24.66	-0.046	18	0.34	57.630	16	33.1	23.88	16	33.1	G5	J	14	5405	E -25 4975	
8		9.3R	41 58.728	-0.0034	20	-29 27 44.40	-0.011	20	0.37	58.785	16	33.1	44.22	16	33.1	K0	M	13B	4354	J -29 4859	
9		9.1R	41 58.898	-0.0032	12	-25 6 16.98	0.004	12	0.26	58.953	16	33.1	17.06	16	33.1	K0	M	14	5406	E -24 5865	
10		9.1R	42 0.015	0.0017	18	-27 8 17.42	-0.001	18	0.34	-59.986	16	33.1	17.40	16	33.1	B9	J	13B	4353	J -26 4863	
11		9.4R	42 0.581	-0.0001	22	-24 48 44.50	0.022	22	0.41	0.583	16	33.1	44.88	16	33.1	B8	M	14	5407	E -24 5867	
12		9.6R	42 1.007	-0.0001	12	-22 18 51.84	-0.012	12	0.26	1.009	16	33.1	51.63	16	33.1	K0	J	14	5404	E -22 5044	
13		9.7R	42 1.474	0.0007	17	-24 48 52.06	0.105	17	0.32	1.463	16	33.1	53.83	16	33.1			14	5408	E -24 5867	
14		9.1R	42 4.992	0.0016	18	-24 41 23.74	0.024	18	0.34	4.965	16	33.1	24.14	16	33.1	B9	J	14	5411	E -24 5873	
15		9.4R	42 5.557	-0.0007	20	-24 33 28.02	0.008	20	0.37	5.569	16	33.1	28.16	16	33.1	B8	M	14	5412	E -24 5872	
16		8.9R	42 7.444	-0.0007	20	-26 14 41.66	0.036	20	0.37	7.457	16	33.1	42.26	16	33.1	F2	J	14	5413	E -26 4865	
17		8.9R	42 9.213	-0.0015	20	-29 50 29.42	-0.045	20	0.37	9.238	16	33.1	28.66	16	33.1	G5	J	13B	4358	J -29 4863	
18		8.6R	42 9.437	-0.0058	15	-27 35 24.94	0.124	15	0.30	9.535	16	33.1	27.03	16	33.1	G5	J	13B	4356	J -27 4470	
19		8.5R	42 10.396	-0.0013	20	-28 44 4.64	-0.035	20	0.37	10.418	16	33.1	4.06	16	33.1	F2	J	13B	4357	J -28 4782	
20		8.9R	42 10.699	-0.0002	15	-26 34 14.72	-0.003	15	0.30	10.703	16	33.1	14.66	16	33.1	B8	J	14	5415	E -26 4869	
21		8.1T	42 11.308	0.0000	17	-23 46 7.36	0.008	15	0.81	11.308	21	01.6	7.74	21	00.1	K		GC	10434	C -23 6064	
22		9.1R	42 12.545	-0.0003	20	-25 39 53.33	-0.011	20	0.37	12.550	16	33.1	53.14	16	33.1	A2	M	14	5416	E -25 4982	
23		9.0A	42 13.506	0.0003	18	-21 41 53.39	-0.014	13	0.31	13.500	16	33.1	53.15	16	33.1	A0	J	13A	3185	A -21 2103	
24		8.8R	42 13.636	-0.0040	20	-29 26 48.50	0.002	20	0.37	13.705	16	33.1	48.53	16	33.1	K2	J	13B	4362	J -29 4865	
25		8.4R	42 15.299	-0.0015	20	-25 35 33.11	0.030	20	0.37	15.325	16	33.1	33.61	16	33.1	A0	J	14	5418	E -25 4984	
26		8.9R	42 17.315	-0.0010	21	-23 43 27.72	-0.004	21	0.39	17.332	16	33.1	27.64	16	33.1			14	5417	E -23 6074	
27		9.4R	42 18.476	0.0003	20	-23 42 36.72	-0.010	20	0.37	18.471	16	33.1	36.54	16	33.1			14	5420	E -23 6077	
28		9.3R	42 19.347	-0.0010	18	-23 2 47.65	-0.011	18	0.34	19.363	16	33.1	47.46	16	33.1	K0	M	14	5421	E -22 5056	
29		9.1R	42 21.310	0.0011	15	-22 13 34.38	0.007	15	0.30	21.291	16	33.1	34.50	16	33.1	K5	M	14	5422	E -22 5055	
30		9.0A	42 22.648	-0.0005	18	-20 52 48.14	0.012	13	0.31	22.656	16	33.1	48.35	16	33.1	K5	J	13A	3187	A -20 2152	
31		9.4R	42 25.967	-0.0015	18	-24 55 49.36	0.001	18	0.34	25.993	16	33.1	49.37	16	33.1	A0	J	14	5424	E -24 5884	
32		9.7R	42 27.482	0.0005	20	-24 5 27.50	0.017	20	0.37	27.474	16	33.1	27.78	16	33.1	B8	M	14	5425	E -23 6082	
33		5.5T	42 27.894	-0.0025	07	-24 33 9.13	0.013	06	0.32	28.005	10	04.9	9.76	12	01.7	B3		GC	10445	C -24 5885	
34		9.0R	42 29.909	0.0014	18	-22 43 52.50	-0.014	18	0.34	29.885	16	33.1	52.26	16	33.1	K0	J	14	5426	E -22 5058	
35		8.9A	42 30.423	-0.0013	17	-20 20 41.85	0.017	13	0.30	30.445	16	33.1	42.14	16	33.1	K5	J	13A	3188	A -20 2153	
36		8.8R	42 31.650	0.0003	15	-24 25 49.96	0.002	15	0.30	31.645	16	33.1	49.98	16	33.1	A2	J	14	5429	E -24 5887	
37		9.2R	42 32.009	-0.0005	20	-26 49 24.31	0.012	20	0.37	32.017	16	33.1	24.51	16	33.1	B	J	14	5431	E -26 4881	
38		9.0R	42 32.552	0.0018	18	-24 16 54.45	0.015	18	0.34	32.522	16	33.1	54.70	16	33.1	G5	J	14	5430	E -24 5888	
39		8.4R	42 36.085	0.0004	15	-24 6 59.55	0.014	15	0.30	36.078	16	33.1	59.78	16	33.1	A0	J	14	5432	E -23 6092	
40		9.3R	42 38.223	0.0000	18	-26 30 18.25	0.019	18	0.34	38.222	16	33.1	18.57	16	33.1	F0	J	14	5436	E -26 4884	
41		9.2R	42 41.087	-0.0037	22	-23 49 29.04	0.030	22	0.41	41.149	16	33.1	29.54	16	33.1	A3	M	14	5434	E -23 6096	
42		9.0A	42 42.498	0.0007	18	-20 55 52.76	0.003	13	0.31	42.485	16	33.1	52.82	16	33.1	A0	J	13A	3189	A -20 2156	
43		9.4R	42 43.462	-0.0012	17	-22 18 43.14	-0.004	17	0.32	43.482	16	33.1	43.07	16	33.1			14	5435	E -22 5066	
44		9.4R	42 47.437	-0.0002	20	-23 56 39.80	-0.006	20	0.37	47.440	16	33.1	39.69	16	33.1	A0	J	14	5439	E -23 6105	
45		9.6R	42 52.821	0.0013	20	-22 43 9.78	0.005	20	0.37	52.798	16	33.1	9.87	16	33.1	B9	J	14	5441	E -22 5072	
46		9.7R	42 53.075	-0.0079	20	-22 13 49.78	-0.071	20	0.37	53.209	16	33.1	48.57	16	33.1	A0	M	14	5442	E -22 5071	
47		8.6R	42 53.450	0.0017	18	-26 46 18.36	0.020	18	0.34	53.422	16	33.1	18.69	16	33.1	K0	J	14	5443	E -26 4896	
48		9.5R	42 56.746	-0.0014	20	-28 37 34.14	-0.019	20	0.37	56.771	16	33.1	33.83	16	33.1	B5	M	13B	4374	J -28 4803	
49		9.1A	42 56.862	-0.0001	18	-21 19 58.12	-0.017	13	0.31	56.864	16	33.1	57.84	16	33.1	K5	J	13A	3191	A -21 2106	
50		9.0R	42 59.067	-0.0010	18	-23 4 11.70	-0.012	18	0.34	59.084	16	33.1	11.50	16	33.1	K2	J	14	5446	E -22 5075	
51		9.0R	7 42 59.614	0.0013	18	-22 30 59.09	0.005	18	0.34	59.593	16	33.1	59.18	16	33.1	A0	J	14	5444	E -22 5074	
52		9.1A	43 1.952	-0.0011	17	-20 41 17.16	0.012	13	0.30	1.969	16	33.1	17.37	16	33.1	B	J	13A	3194	A -20 2159	
53		8.9R	43 3.520	-0.0004	17	-28 47 40.15	0.013	17	0.32	3.527	16	33.1	40.38	16	33.1	F2	J	13B	4376	J -28 4807	
54		8.4R	43 3.563	0.0006	18	-24 31 50.16	-0.002	18	0.34	3.553	16	33.1	50.12	16	33.1	B8	J	14	5450	E -24 5910	
55		8.5A	43 3.679	-0.0003	18	-22 5 57.76	0.040	13	0.31	3.684	16	33.1	58.43	16	33.1	G5	J	13A	3196	A -21 2107	
56		9.4R	43 4.939	0.0024	18	-23 20 6.26	-0.017	18	0.34	4.899	16	33.1	5.97	16	33.1	K2	J	14	5449	E -23 6117	
57		8.8R	43 7.065	0.0001	15	-22 27 44.97	-0.005	15	0.30	7.063	16	33.1	44.88	16	33.1	K0	J	14	5451	E -22 5077	
58		9.4R	43 11.421	0.0019	20	-22 36 48.82	0.019	20	0.37	11.389	16	33.1	49.14	16	33.1	F0	M	14	5452	E -22 5080	
59		8.1R	43 15.422	0.0016	15	-27 31 7.37	-0.028	15	0.30	15.394	16	33.1	6.89	16	33.1	K0	J	13B	4380	J -27 4494	
60		8.6R	43 15.951	-0.0026	18	-22 11 49.33	-0.013	18	0.34	15.995	16	33.1	49.11	16	33.1	A0	J	14	5453	E -22 5083	
61		8.5R	43 19.180	-0.0058	17	-29 45 42.59	0.038	17	0.32	19.278	16	33.1	43.23	16	33.1	F8	J	13B	4384	J -29 4893	
62		9.4R	43 22.632	-0.0032	20	-23 41 20.89	0.009	20	0.37	22.686	16	33.1	21.03	16	33.1	A0	M	14	5454	E -23 6134	
63		9.0R	43 25.516	-0.0027	15	-25 14 4.96	-0.015	15	0.30	25.562	16	33.1	4.72	16	33.1	A0	J	14	5455	E -25 5016	
64		9.1A	43 30.339	-0.0004	15	-20 11 25.07	0.150	11	0.27	30.346	16	33.1	27.60	16	33.1	G5	J	13A	3201	A -19 2047	
65		9.3R	43 31.480	0.0015	18	-27 5 11.67	0.071	18	0.34	31.454	16	33.1	12.86	16	33.1	F2	J	14	5456	E -26 4920	
66		9.2R	43 34.199	0.0004	18	-26 41 8.48	-0.006	18	0.34	34.193	16	33.1	8.37	16	33.1	B9	J	14	5458	E -26 4921	
67		9.2R	43 35.132	-0.0008	20	-27 53 43.72	0.020	20	0.37	35.146	16	33.1	44.05	16	33.1	A0	J	13B	4388	J -27 4504	
68		9.0R	43 37.859	-0.0025	20	-28 17 50.21	-0.012	20	0.37	37.902	16	33.1	50.00	16	33.1	K0	M	13B	4389	J -28 4821	
69		9.6R	43 38.452	0.0002	15	-22 58 46.27	0.007	15	0.30	38.449	16	33.1	46.39	16	33.1	A0	J	14	5457	E -22 5093	
70		9.1A	43 41.415	-0.0012	20	-21 58 25.00	0.014	15	0.34	41.436	16	33.1	25.23	16	33.1	G5	J	13A	3206	A -21 2110	
71		8.8A	43 42.533	0.0009	13	-20 30 49.52	-0.012	09	0.25	42.518	16	33.1	49.30	16	33.1	K	J	13A	3204	A -20 2166	
72		8.9A	43 42.624	-0.0003	20	-20 34 9.33	0.008	15	0.34	42.629	16	33.1	9.47	16	33.1	A0	J	13A	3205	A -20 2167	
73		8.5R	43 43.854	0.0006	18	-22 54 1.49	0.009	18	0.34	43.844	16	33.1	1.64	16	33.1	K2	J	14	5459	E -22 5096	
74		9.1A	43 44.177	0.0030	20	-21 5 32.03	-0.005	15	0.34	44.127	16	33.1	31.95	16	33.1	K2	J	13A	3207	A -20 2168	
75		6.5T	43 45.053	-0.0009	11	-24 7 58.96	0.008	11	0.60	45.102	17	95.7	59.36	15	97.6	B5		GC	10475	C -23 6155	
76		8.9R	43 45.108	0.0004	18	-26 22 9.11	0.012	18	0.34	45.101	16	33.1	9.30	16	33.1	B0	J	14	5461	E -26 4925	
77		8.4R	43 47.106	0.0051	20	-29 49 38.41	-0.010	20	0.37	47.019	16	33.1	38.24	16	33.1	A0	J	13B	4392	J -29 4906	
78		9.3R	43 49.155	-0.0058	17	-28 17 16.30	0.040	17	0.32	49.254	16	33.1	16.97	16	33.1	F8	M	13B	4393	J -28 4826	
79		8.6R	43 50.674	-0.0016	12	-27 48 53.27	-0.014	12	0.26	50.701	16	33.1	53.03	16	33.1	K5	J	13B	4394	J -27 4509	
80		9.0R	43 52.770	-0.0017	18	-26 39 14.53	-0.013	18	0.34	52.798	16	33.1	14.31	16	33.1	K0	J	14	5465	E -26 4928	
81		8.2R	43 53.053	-0.0022	18	-22 29 57.82	-0.000	18	0.34	53.090	16	33.1	57.82	16	33.1	K0	J	14	5462	E -22 5099	
82		8.4R	43 53.297	0.0013	18	-23 8 12.44	0.020	18	0.34	53.276	16	33.1	12.78	16	33.1	B8	J	14	5463	E -22 5101	
83		8.4R	43 53.436	0.0008	18	-26 51 30.35	0.026	18	0.34	53.423	16	33.1	30.78	16	33.1	K2	J	14	5466	E -26 4929	
84		8.7R	43 54.197	-0.0011	20	-28 5 15.14	-0.039	20	0.37	54.215	16	33.1	14.47	16	33.1	B9	J	13B	4396	J -27 4510	
85		9.0R	43 55.231	-0.0028	20	-29 20 13.92	0.006	20	0.37	55.279	16	33.1	14.02	16	33.1	F0	J	13B	4398	J -29 4911	
86		8.5A	43 55.515	-0.0003	20	-20 38 10.46	-0.029	15	0.34	55.519	16	33.1	10.95	16	33.1	K0	J	13A	3210	A -20 2172	
87		6.9T	43 55.778	-0.0070	20	-23 1 6.13	-0.041	18	0.92	56.103	18	03.4	4.16	18	01.6	F8		GC	10479	-22 2016	
88		9.1R	43 56.962	0.0022	17	-29 33 24.07	-0.023	17	0.32	56.925	16	33.1	23.68	16	33.1	F5	M	13B	4401	J -29 4912	
89		9.0A	43 57.898	0.0006	17	-21 5 54.17	-0.024	12	0.29	57.888	16	33.1	53.75	16	33.1	G0	J	13A	3211	A -20 2173	
90		8.7R	43 59.136	-0.0014	20	-27 39 36.85	-0.000	20	0.37	59.160	16	33.1	36.84	16	33.1	A2	J	13B	4400	J -27 4512	
91		9.0R	44 0.019	0.0026	18	-27 7 49.64	-0.014	18	0.34	-59.974	16	33.1	49.40	16	33.1	K7	M	13B	4399	J -26 4934	
92		9.0R	44 2.879	0.0001	18	-25 33 4.76	0.038	18	0.34	2.878	16	33.1	5.40	16	33.1	B5	J	14	5467	E -25 5031	
93		9.0R	44 6.826	-0.0001	18	-26 45 27.45	-0.010	18	0.34	6.829	16	33.1	27.28	16	33.1	A2	J	14	5469	E -26 4937	
94		9.6R	44 8.223	-0.0021	15	-22 30 54.12	-0.034	15	0.30	8.258	16	33.1	53.54	16	33.1	K0	M	14	5468	E -22 5108	
95		8.9R	44 11.299	-0.0021	20	-27 27 55.14	-0.011	20	0.37	11.334	16	33.1	54.95	16	33.1	B9	J	13B	4402	J -27 4516	
96		9.1R	44 12.309	-0.0002	17	-28 19 8.82	0.004	17	0.32	12.313	16	33.1	8.88	16	33.1	F8	J	13B	4404	J -28 4832	
97		9.0R	44 13.755	-0.0011	18	-24 11 36.68	0.019	18	0.34	13.773	16	33.1	36.99	16	33.1	K0	J	14	5470	E -24 5942	
98		8.3R	44 16.654	-0.0012	18	-23 28 35.72	-0.002	18	0.34	16.674	16	33.1	35.69	16	33.1	K2	J	14	5471	E -23 6171	
99		8.2A	44 16.825	-0.0001	18	-21 25 20.16	-0.017	13	0.31	16.827	16	33.1	19.88	16	33.1	M1	J	13A	3215	A -21 2115	
00		8.2R	44 18.746	-0.0011	17	-28 47 14.06	0.021	17	0.32	18.764	16	33.1	14.41	16	33.1	F0	J	13B	4408	J -28 4835	

174500

EPOCH 1950 — ORIGINAL EPOCH — SOURCE — -20° 7H

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	CAT.	STAR NUMBER	DM NUMBER
1		9.1A	7 44 18.828	-0.0003	18	-21 53 25.49	-0.003	13	0.31	18.833	16	33.1	25.43	16	33.1	B9 J	13A	3216	A -21 2116
2		9.6R	44 21.138	-0.0014	20	-22 55 33.90	0.025	20	0.37	21.162	16	33.1	34.32	16	33.1	A5 M	14	5472	E -22 5113
3		8.5R	44 21.392	0.0001	20	-26 15 56.87	0.016	20	0.37	21.391	16	33.1	57.14	16	33.1	B9 J	14	5473	E -26 4945
4		9.0R	44 22.649	0.0035	20	-28 26 6.31	-0.010	20	0.37	22.790	16	33.1	6.13	16	33.1	F8 J	13B	4409	J -28 4858
5		8.4R	44 25.332	0.0019	15	-27 11 8.25	0.008	15	0.30	25.300	16	33.1	8.38	16	33.1	A2 J	13B	4410	J -26 4950
6		8.5R	44 26.234	0.0019	18	-24 1 39.12	0.004	18	0.34	26.203	16	33.1	39.18	16	33.1	G0 J	14	5474	E -23 6178
7		9.3R	44 26.931	0.0015	18	-25 1 22.73	-0.002	18	0.34	26.906	16	33.1	22.71	16	33.1	A2 J	14	5475	E -24 5948
8		9.3R	44 27.913	0.0021	20	-29 51 42.87	-0.020	20	0.37	27.877	16	33.1	42.53	16	33.1	A0 M	13B	4411	J -29 4929
9		9.0A	44 28.886	0.0005	20	-21 20 17.69	-0.005	15	0.34	28.877	16	33.1	17.61	16	33.1	A0 J	13A	3218	A -21 2117
10		9.1R	44 32.216	-0.0011	18	-24 21 49.03	0.008	18	0.34	32.234	16	33.1	49.16	16	33.1	B9 J	14	5478	E -24 5949
11		9.3R	44 32.732	-0.0030	12	-29 22 53.99	-0.003	12	0.26	32.783	16	33.1	53.95	16	33.1	B8 M	13B	4413	J -29 4931
12		9.8R	44 33.081	0.0018	20	-22 49 28.11	0.004	20	0.37	33.050	16	33.1	28.18	16	33.1	A2 J	14	5476	E -22 5123
13		9.0R	44 33.549	0.0008	18	-23 31 51.62	-0.010	18	0.34	33.535	16	33.1	51.44	16	33.1	G5 J	14	5479	E -23 6183
14		9.4R	44 33.736	-0.0016	20	-27 52 26.06	-0.019	20	0.37	33.763	16	33.1	25.73	16	33.1	F0 J	13B	4412	J -27 4521
15		9.5R	44 33.780	0.0020	20	-22 51 48.84	-0.012	20	0.37	33.746	16	33.1	48.64	16	33.1		14	5477	E -22 5124
16		8.1A	44 34.993	-0.0011	17	-20 42 26.13	0.020	13	0.30	35.011	16	33.1	26.48	16	33.1	B9 J	13A	3219	A -20 2181
17		8.4R	44 39.824	0.0004	18	-23 4 33.31	-0.017	18	0.34	39.817	16	33.1	33.02	16	33.1	K0 J	14	5481	E -22 5129
18		9.4R	44 42.810	-0.0032	12	-22 27 21.55	-0.003	12	0.26	42.864	16	33.1	21.49	16	33.1	G0 J	14	5482	E -22 5130
19		8.9R	44 47.568	-0.0019	15	-25 57 1.39	-0.007	15	0.30	47.601	16	33.1	1.27	16	33.1	A0 J	14	5484	E -25 5048
20		9.4A	44 48.482	-0.0002	18	-21 2 15.13	-0.009	13	0.31	48.485	16	33.1	14.98	16	33.1	F5 J	13A	3220	A -20 2183
21		8.3R	44 48.936	-0.0037	13	-29 46 18.25	-0.025	13	0.28	48.999	16	33.1	17.83	16	33.1	K0 J	13B	4414	J -29 4937
22		7.8R	44 50.643	-0.0019	12	-29 49 28.59	-0.007	12	0.26	50.675	16	33.1	28.47	16	33.1	B8 J	13B	4415	J -29 4938
23		9.4R	44 50.817	0.0015	13	-22 56 11.97	0.006	13	0.28	50.792	16	33.1	12.07	16	33.1	A0 J	14	5483	E -22 5133
24		8.4R	44 51.741	-0.0007	18	-25 14 44.80	0.019	18	0.34	51.754	16	33.1	45.13	16	33.1	F8 J	14	5486	E -25 5049
25		9.1R	44 52.194	0.0032	18	-24 25 50.04	-0.028	18	0.34	52.139	16	33.1	49.56	16	33.1	F8 J	14	5485	E -24 5959
26		9.2A	44 54.185	-0.0022	18	-21 11 48.94	0.008	13	0.31	54.222	16	33.1	49.08	16	33.1	F8 J	13A	3221	A -20 2185
27		8.8R	44 54.976	-0.0005	18	-24 50 9.06	-0.022	18	0.34	54.985	16	33.1	8.69	16	33.1	K2 J	14	5488	E -24 5960
28		9.2R	44 55.827	-0.0011	18	-26 18 26.08	0.027	18	0.34	55.846	16	33.1	26.53	16	33.1	A2 J	14	5491	E -26 4967
29		8.6R	44 57.503	-0.0013	15	-23 15 22.78	0.016	15	0.30	57.524	16	33.1	23.05	16	33.1	M M	14	5490	E -23 6195
30		9.6R	44 57.773	-0.0025	18	-22 18 41.75	0.059	18	0.34	57.816	16	33.1	42.75	16	33.1	B8 M	14	5487	E -22 5135
31		9.1R	44 58.973	-0.0020	17	-28 38 25.30	-0.032	17	0.32	59.008	16	33.1	24.77	16	33.1	B8 M	13B	4417	J -28 4851
32		8.5R	45 3.344	0.0015	15	-27 47 5.57	-0.041	15	0.30	3.319	16	33.1	4.87	16	33.1	B J	13B	4418	J -27 4533
33		5.8T	45 3.532	-0.0013	05	-22 23 43.27	0.004	05	0.23	3.586	07	08.5	43.43	07	07.9	B5	GC	10501	-22 2027
34		9.2R	45 5.706	-0.0011	17	-28 45 30.14	-0.034	17	0.32	5.725	16	33.1	29.57	16	33.1	K M	13B	4420	J -28 4856
35		9.1A	45 7.272	0.0008	18	-20 36 41.12	-0.000	13	0.31	7.258	16	33.1	41.11	16	33.1	A0 J	13A	3225	A -20 2186
36		8.7R	45 9.344	0.0007	18	-26 26 59.77	0.013	18	0.34	9.333	16	33.1	59.99	16	33.1	B9 J	14	5494	E -26 4975
37		9.2R	45 20.583	0.0008	18	-24 4 54.22	-0.001	18	0.34	20.569	16	33.1	54.20	16	33.1	G0 J	14	5495	E -23 6214
38		8.9R	45 23.391	0.0005	15	-25 16 10.70	0.020	15	0.30	23.382	16	33.1	11.05	16	33.1	K0 J	14	5496	E -25 5062
39		9.3R	45 26.171	0.0011	18	-27 3 6.13	0.012	18	0.34	26.151	16	33.1	6.33	16	33.1	A0 J	14	5498	E -26 4980
40		9.5R	45 27.909	-0.0022	12	-22 29 3.67	0.043	12	0.26	27.947	16	33.1	4.39	16	33.1	G5 M	14	5497	E -22 5148
41		9.3R	45 28.206	0.0004	12	-26 33 25.77	0.005	12	0.26	28.199	16	33.1	25.85	16	33.1	B J	14	5499	E -26 4982
42		8.0R	45 29.064	-0.0020	12	-29 34 7.74	-0.012	12	0.26	29.097	16	33.1	7.54	16	33.1	G0 J	13B	4424	J -29 4952
43		8.3R	45 34.259	-0.0017	12	-27 44 29.68	0.006	12	0.26	34.287	16	33.1	29.97	16	33.1	K0 J	13B	4425	J -27 4546
44		9.3R	45 36.236	-0.0020	13	-28 36 5.74	0.063	13	0.28	36.271	16	33.1	6.82	16	33.1	G5 M	13B	4426	J -28 4873
45		9.5R	45 43.380	0.0027	18	-22 55 28.86	0.002	18	0.34	43.334	16	33.1	28.89	16	33.1	K M	14	5500	E -22 5153
46		9.4R	45 43.530	-0.0005	12	-22 58 59.63	0.000	12	0.26	43.538	16	33.1	59.63	16	33.1	K0 M	14	5501	E -22 5152
47		9.3A	45 44.754	-0.0011	18	-21 21 15.59	-0.029	13	0.31	44.771	16	33.1	15.10	16	33.1	A0 J	13A	3232	A -21 2122
48		8.9R	45 45.132	0.0002	15	-27 29 46.32	0.003	15	0.30	45.129	16	33.1	46.36	16	33.1	B9 J	13B	4428	J -27 4549
49		9.2R	45 45.865	-0.0015	18	-24 3 42.62	-0.017	18	0.34	45.891	16	33.1	42.32	16	33.1	F5 J	14	5502	E -23 6228
50		9.4R	45 45.986	0.0012	18	-24 17 16.31	-0.000	18	0.34	45.966	16	33.1	16.30	16	33.1	A0 J	14	5503	E -24 5987
51		9.1A	7 45 47.670	0.0015	20	-21 14 4.88	-0.010	15	0.34	47.644	16	33.1	4.72	16	33.1	K5 J	13A	3233	A -21 2124
52		9.1A	45 49.301	0.0000	18	-21 13 4.26	0.002	13	0.31	49.300	16	33.1	4.30	16	33.1	K J	13A	3234	A -20 2195
53		9.0R	45 52.277	-0.0001	13	-24 8 3.00	0.024	13	0.28	52.279	16	33.1	3.40	16	33.1	B8 J	14	5505	E -23 6230
54		9.5R	45 52.341	0.0003	15	-22 28 2.19	0.005	15	0.30	52.335	16	33.1	2.27	16	33.1	F0 J	14	5504	E -22 5157
55		8.8R	45 53.982	-0.0005	18	-24 57 4.78	-0.033	18	0.34	53.990	16	33.1	4.23	16	33.1	K0 J	14	5507	E -24 5991
56		8.6R	45 55.544	0.0001	18	-22 13 22.37	0.016	18	0.34	55.542	16	33.1	22.64	16	33.1	A0 J	14	5506	E -22 5159
57		8.8R	45 58.505	0.0022	18	-23 38 32.46	0.005	18	0.34	58.468	16	33.1	32.54	16	33.1	K2 J	14	5508	E -23 6233
58		4.6T	0.394	-0.0010	05	-25 48 42.76	0.003	04	0.25	0.443	09	99.6	42.90	10	97.6	B2	GC	10532K	C*-25 5081
59		9.1R	46 2.032	-0.0008	17	-28 29 49.43	-0.022	17	0.32	2.045	16	33.1	49.05	16	33.1	K2 M	13B	4430	J -28 4881
60		8.3R	46 3.911	0.0006	20	-29 15 14.89	-0.016	20	0.37	3.901	16	33.1	14.63	16	33.1	A0 J	13B	4431	J -29 4959
61		9.0R	46 5.225	-0.0006	20	-23 36 24.59	-0.014	20	0.37	5.234	16	33.1	24.34	16	33.1	K0 J	14	5512	E -23 6239
62		9.2R	46 5.893	-0.0004	17	-29 12 7.23	0.024	17	0.32	5.901	16	33.1	7.65	16	33.1	A0 M	13B	4433	J -29 4960
63		6.9T	46 6.005	-0.0028	16	-24 27 6.01	0.014	13	0.77	6.142	21	01.2	6.72	19	97.8	A0	GC	10535	C -24 5999
64		8.7R	46 9.010	0.0007	12	-27 3 24.32	0.014	12	0.26	8.998	16	33.1	24.55	16	33.1	K0 J	14	5517	E -26 5006
65		8.5R	46 10.183	0.0016	20	-29 56 6.84	0.000	20	0.37	10.156	16	33.1	6.84	16	33.1	K5 J	13B	4434	J -29 4962
66		9.3R	46 10.504	-0.0055	22	-24 26 35.51	0.039	22	0.41	10.598	16	33.1	36.16	16	33.1	A2 M	14	5515	E -24 6001
67		8.6A	46 13.626	0.0009	18	-20 7 6.22	-0.028	12	0.30	13.610	16	33.1	5.74	16	33.1	K0 J	13A	3240	A -19 2076
68		9.0R	46 14.734	0.0023	20	-29 43 9.34	-0.035	20	0.37	14.696	16	33.1	8.75	16	33.1	M M	13B	4435	J -29 4963
69		9.3R	46 16.092	0.0008	20	-29 19 1.29	-0.048	20	0.37	16.078	16	33.1	0.49	16	33.1	G5 M	13B	4437	J -29 4964
70		8.0R	46 17.371	0.0038	20	-28 13 57.98	0.029	20	0.37	17.307	16	33.1	58.46	16	33.1	K0 J	13B	4436	J -28 4885
71		9.3A	46 19.619	0.0005	18	-20 52 25.86	-0.013	13	0.31	19.610	16	33.1	26.09	16	33.1	A0 J	13A	3241	A -20 2202
72		8.9R	46 22.614	0.0013	18	-22 32 34.64	-0.013	18	0.34	22.591	16	33.1	34.42	16	33.1	K2 M	14	5519	E -22 5172
73		9.0R	46 22.847	-0.0038	20	-26 43 35.09	0.041	20	0.37	22.911	16	33.1	35.78	16	33.1	A0 M	14	5526	E -26 5015
74		9.3R	46 24.527	0.0012	20	-29 7 46.22	0.013	20	0.37	24.507	16	33.1	46.45	16	33.1	B9 M	13B	4439	J -28 4891
75		9.4R	46 24.633	0.0034	18	-22 47 9.92	-0.014	18	0.34	24.575	16	33.1	9.68	16	33.1	K0 M	14	5523	E -22 5174
76		9.0R	46 24.907	-0.0002	18	-24 22 19.23	0.021	18	0.34	24.910	16	33.1	19.58	16	33.1	F8 J	14	5525	E -24 6008
77		9.3R	46 25.022	0.0022	18	-24 8 11.71	0.009	18	0.34	24.984	16	33.1	11.86	16	33.1	B9 J	14	5524	E -23 6250
78		7.7A	46 25.892	-0.0001	20	-21 53 0.61	-0.008	15	0.34	25.894	16	33.1	0.47	16	33.1	K0 J	13A	3242	A -21 2130
79		8.5R	46 30.315	-0.0009	20	-26 55 10.98	0.021	20	0.37	30.330	16	33.1	11.33	16	33.1	B9 J	14	5528	E -26 5017
80		9.1R	46 30.906	-0.0008	15	-23 19 19.99	0.001	15	0.30	30.920	16	33.1	20.01	16	33.1	K2 J	14	5527	E -23 6252
81		8.3R	46 32.121	0.0002	20	-26 52 8.04	0.003	20	0.37	32.117	16	33.1	8.08	16	33.1	B9 J	14	5529	E -26 5018
82		9.0R	46 32.125	-0.0049	20	-29 32 46.04	0.014	20	0.37	32.207	16	33.1	46.28	16	33.1	K0 M	13B	4441	J -29 4968
83		9.0R	46 39.081	-0.0013	20	-22 37 32.02	0.010	20	0.37	39.102	16	33.1	32.19	16	33.1	K0 J	14	5531	E -22 5180
84		8.8R	46 41.872	-0.0004	20	-26 29 33.22	0.043	20	0.37	41.879	16	33.1	33.94	16	33.1	A0 J	14	5533	E -26 5022
85		9.1R	46 42.111	-0.0024	18	-24 20 8.70	0.018	18	0.34	42.151	16	33.1	8.99	16	33.1	G5 J	14	5532	E -24 6014
86		9.2R	46 43.713	-0.0010	20	-28 24 51.73	-0.015	20	0.37	43.730	16	33.1	51.47	16	33.1	K M	13B	4444	J -28 4898
87		8.7R	46 46.647	-0.0018	20	-25 52 54.68	0.028	20	0.37	46.678	16	33.1	55.15	16	33.1	G0 J	14	5535	E -25 5108
88		8.9R	46 46.760	-0.0027	20	-27 49 40.65	0.002	20	0.37	46.805	16	33.1	40.68	16	33.1	F0 M	13B	4446	J -27 4574
89		8.0T	46 46.972	0.0107	11	-24 50 38.97	-0.253	09	0.52	46.427	15	99.3	25.84	15	98.1	G0	GC	10550	C -24 6019
90		8.7R	46 47.109	-0.0008	20	-27 17 21.89	-0.032	20	0.37	47.123	16	33.1	21.34	16	33.1	A0 J	13B	4445	J -27 4573
91		9.3R	46 52.301	-0.0016	20	-29 10 24.04	0.036	20	0.37	52.328	16	33.1	24.66	16	33.1	F0 M	13B	4449	J -28 4902
92		5.3T	46 55.616	-0.0025	04	-24 47 9.66	0.016	04	0.23	55.737	10	00.7	10.49	10	98.0	G0	GC	10556	C*-24 6022
93		9.4R	46 59.466	0.0026	20	-23 3 49.56	0.033	20	0.37	59.423	16	33.1	50.11	16	33.1	K5 M	14	5537	E -22 5190
94		8.5R	46 59.919	0.0007	18	-24 23 42.10	0.001	18	0.34	59.906	16	33.1	42.11	16	33.1	K2 J	14	5539	E -24 6023
95		9.0R	47 1.064	-0.0053	20	-29 38 17.06	0.024	20	0.37	1.153	16	33.1	17.47	16	33.1	A7 M	13B	4452	J -29 4977
96		9.0R	47 2.685	-0.0030	20	-27 10 8.67	-0.014	20	0.37	2.737	16	33.1	8.43	16	33.1	G0 M	13B	4450	J -26 5032
97		9.5R	47 3.995	-0.0030	20	-22 17 58.55	0.024	20	0.37	4.045	16	33.1	58.95	16	33.1	F0 M	14	5540	E -22 5191
98		8.5R	47 6.490	0.0001	20	-28 35 42.34	0.004	20	0.37	6.489	16	33.1	42.42	16	33.1	G5 J	13B	4453	J -28 4906
99		9.1R	47 7.741	-0.0014	20	-28 6 40.97	-0.007	20	0.37	7.764	16	33.1	40.84	16	33.1	K0 M	13B	4454	J -27 4580
00		8.7R	47 10.978	-0.0003	22	-23 40 22.27	-0.018	22	0.41	10.984	16	33.1	21.96	16	33.1	K0 J	14	5541	E -23 6283

174600			EPOCH 1950							ORIGINAL EPOCH							SP.	SOURCE		-20° 7H
NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	α_{1950} h m s	μ s	σ_μ s/.001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″/.001	σ_{1950} ″	α_2 s	σ ″/.01	ep.	δ_2 ″	σ' ″/.01	ep.		CAT.	STAR NUMBER	DM NUMBER
1		3.5H	7 47 11.421	-0.0005	01	-24 43 59.22	-0.004	01	0.05	11.439	02	14.3	59.07	02	13.1	GDP	F4	1204	C -24 6030
2		9.2R	47 11.719	-0.0026	20	-29 44 30.85	0.002	20	0.37	11.764	16	33.1	30.89	16	33.1	A2 J	13B	4456	J -29 4981
3		8.4R	47 12.927	-0.0015	15	-22 26 15.71	-0.043	15	0.30	12.952	16	33.1	14.98	16	33.1	MO M	14	5542	E -22 5196
4		9.2R	47 14.913	-0.0005	20	-26 27 47.54	0.003	20	0.37	14.922	16	33.1	47.58	16	33.1	FO J	14	5546	E -26 5038
5		9.0R	47 17.352	-0.0002	20	-25 43 47.58	-0.031	20	0.37	17.356	16	33.1	47.05	16	33.1	B9 J	14	5548	E -25 5121
6		8.6R	47 17.510	-0.0009	18	-24 5 49.04	0.054	18	0.34	17.524	16	33.1	49.95	16	33.1	KO J	14	5545	E -23 6285
7		9.1R	47 19.254	-0.0030	22	-24 4 20.19	-0.010	22	0.41	19.305	16	33.1	20.01	16	33.1	KO M	14	5547	E -23 6286
8		9.5R	47 20.465	0.0014	20	-24 36 13.74	0.026	20	0.37	20.441	16	33.1	14.18	16	33.1	A2 M	14	5549	E -24 6031
9		8.7A	47 21.782	-0.0006	13	-21 9 28.94	0.000	09	0.25	21.792	16	33.1	28.95	16	33.1	B8 J	13A	3245	A -20 2211
10		9.3R	47 23.683	0.0000	20	-26 12 51.07	0.044	20	0.37	23.683	16	33.1	51.81	16	33.1	B8 J	14	5550	E -26 5040
11		9.0R	47 25.320	0.0028	20	-28 35 13.40	-0.007	20	0.37	25.273	16	33.1	13.29	16	33.1	B9 J	13B	4460	J -28 4916
12		9.0R	47 25.642	-0.0035	20	-29 31 25.20	-0.029	20	0.37	25.701	16	33.1	24.72	16	33.1	K7 M	13B	4462	J -29 4986
13		8.0R	47 26.903	0.0007	20	-27 42 25.66	-0.025	20	0.37	26.892	16	33.1	25.23	16	33.1	A2 J	13B	4461	J -27 4588
14		8.6R	47 27.028	-0.0017	20	-26 27 8.24	0.014	20	0.37	27.057	16	33.1	8.47	16	33.1	MO M	14	5552	E -26 5044
15		8.7A	47 27.816	0.0010	17	-20 1 14.41	-0.014	13	0.31	27.799	18	33.1	14.18	16	33.1	K5 J	12B	3247	A -19 2084
16		9.1R	47 28.887	-0.0011	18	-23 45 7.03	-0.021	18	0.34	28.906	16	33.1	6.67	16	33.1	A5 J	14	5551	E -23 6293
17		6.5T	47 33.410	-0.0041	17	-20 4 42.47	-0.110	14	0.78	33.603	24	02.3	37.11	18	01.2	G0	GC	10572K	-19 2085
18		8.9R	47 33.884	-0.0024	20	-26 52 53.30	0.043	20	0.37	33.926	16	33.1	54.02	16	33.1	A2 J	14	5554	E -26 5046
19		9.2R	47 35.258	-0.0001	15	-22 14 26.54	-0.045	15	0.30	35.260	16	33.1	25.78	16	33.1	F2 J	14	5553	E -22 5207
20		9.3R	47 36.705	-0.0048	20	-27 1 35.29	-0.001	20	0.37	36.787	16	33.1	35.27	16	33.1	A0 J	14	5555	E -26 5048
21		9.3R	47 42.788	0.0013	17	-28 7 15.56	-0.036	17	0.32	42.767	16	33.1	14.94	16	33.1	A0 J	13B	4465	J -27 4596
22		9.2R	47 48.049	0.0005	15	-24 54 34.54	0.014	15	0.30	48.040	16	33.1	34.78	16	33.1	K0 J	14	5557	E -24 6037
23		9.4R	47 50.682	0.0009	18	-22 43 3.69	0.022	18	0.34	50.667	16	33.1	4.06	16	33.1	F8 J	14	5556	E -22 5213
24		9.5R	47 51.534	0.0015	20	-23 1 59.05	0.001	20	0.37	51.508	16	33.1	59.07	16	33.1	A0 M	14	5558	E -22 5215
25		6.6T	47 51.654	-0.0068	12	-23 40 14.57	0.004	11	0.65	52.005	18	98.4	14.77	18	95.9	F0	GC	10581	C -23 6310
26		9.3R	47 52.773	-0.0011	20	-25 57 34.67	0.031	20	0.37	52.792	16	33.1	35.19	16	33.1	F8 M	14	5560	E -25 5131
27		9.2R	47 53.804	-0.0044	20	-29 29 22.69	0.013	20	0.37	53.879	16	33.1	22.92	16	33.1	K M	13B	4470	J -29 4997
28		9.1R	47 54.611	0.0005	20	-28 54 1.55	-0.017	20	0.37	54.602	16	33.1	1.27	16	33.1	B9 J	13B	4469	J -28 4936
29		9.0R	47 57.735	-0.0013	20	-27 43 15.26	-0.021	20	0.37	57.757	16	33.1	14.90	16	33.1	B8 J	13B	4472	J -27 4604
30		9.0R	48 2.906	-0.0029	20	-25 55 40.21	0.022	20	0.37	2.955	16	33.1	40.57	16	33.1	K0 M	14	5563	E -25 5135
31		9.2R	48 8.627	-0.0014	18	-22 30 53.61	0.011	18	0.34	8.651	16	33.1	53.79	16	33.1	K0 M	14	5564	E -22 5225
32		9.0R	48 9.645	-0.0004	20	-29 24 29.09	-0.021	20	0.37	9.653	16	33.1	28.74	16	33.1	B9 J	13B	4474	J -29 5005
33		8.9R	48 11.441	0.0037	17	-28 22 3.30	-0.044	17	0.32	11.379	16	33.1	2.55	16	33.1	G5 J	13B	4475	J -28 4948
34		9.2R	48 12.434	-0.0015	20	-26 9 40.26	0.014	20	0.37	12.459	16	33.1	40.49	16	33.1	K0 M	14	5565	E -25 5136
35		8.6R	48 14.018	-0.0007	20	-26 26 3.21	-0.011	20	0.37	14.030	16	33.1	3.02	16	33.1	B8 J	14	5566	E -26 5067
36		8.1R	48 17.232	-0.0008	15	-27 50 40.69	-0.009	15	0.30	17.246	16	33.1	40.53	16	33.1	M3 M	13B	4477	J -27 4610
37		9.4A	48 18.905	0.0017	18	-21 18 23.46	-0.029	13	0.31	18.877	16	33.1	22.96	16	33.1	F8 J	13A	3256	A -21 2143
38		8.2R	48 22.549	0.0007	17	-28 56 24.21	-0.008	17	0.32	22.538	16	33.1	24.09	16	33.1	F8 J	13B	4479	J -28 4950
39		8.9R	48 22.823	-0.0004	12	-29 7 56.32	-0.015	12	0.26	22.830	16	33.1	56.08	16	33.1	A0 J	13B	4480	J -28 4951
40		9.2R	48 22.890	0.0004	18	-25 30 51.72	-0.036	18	0.34	22.883	16	33.1	51.11	16	33.1	B9 J	14	5570	E -25 5139
41		9.3R	48 23.075	0.0024	18	-22 46 24.54	0.009	18	0.34	23.034	16	33.1	24.69	16	33.1	F5 J	14	5568	E -22 5232
42		9.1R	48 25.078	-0.0019	21	-23 56 24.23	0.022	21	0.39	25.111	16	33.1	24.59	16	33.1	B9 J	14	5571	E -23 6326
43		8.9R	48 26.475	-0.0010	13	-22 23 29.29	0.002	13	0.28	26.492	16	33.1	29.32	16	33.1	F8 J	14	5569	E -22 5235
44		8.9R	48 26.570	-0.0008	17	-29 7 24.55	-0.038	17	0.32	26.585	16	33.1	23.92	16	33.1	B M	13B	4481	J -28 4953
45		8.7R	48 30.737	-0.0017	17	-29 11 17.50	-0.014	17	0.32	30.766	16	33.1	17.27	16	33.1	G5 J	13B	4484	J -29 5012
46		9.3R	48 32.829	0.0004	20	-28 9 52.00	-0.005	20	0.37	32.822	16	33.1	51.91	16	33.1	A0 J	13B	4485	J -27 4616
47		8.0A	48 34.163	-0.0015	18	-21 55 38.77	0.002	13	0.31	34.188	16	33.1	38.79	16	33.1	K0 J	13A	3261	A -21 2145
48		9.3R	48 35.027	-0.0004	18	-23 2 43.84	0.007	18	0.34	35.034	16	33.1	43.96	16	33.1	K2 J	14	5572	E -22 5236
49		9.5R	48 35.449	0.0024	17	-25 28 20.17	-0.094	17	0.32	35.408	16	33.1	18.59	16	33.1	A0 J	14	5573	E -25 5145
50		9.3R	48 37.871	-0.0077	22	-24 20 19.59	0.103	22	0.41	38.000	16	33.1	21.32	16	33.1	F5 M	14	5574	E -24 6054
51		9.3R	7 48 37.925	0.0006	18	-26 39 13.16	-0.033	18	0.34	37.914	16	33.1	12.60	16	33.1	K5 M	14	5576	E -26 5078
52		9.5R	48 39.243	0.0013	18	-24 3 14.57	-0.027	18	0.34	39.222	16	33.1	14.11	16	33.1	B8 J	14	5575	E -23 6335
53		9.0R	48 39.767	-0.0008	15	-27 36 0.77	-0.002	15	0.30	39.780	16	33.1	0.73	16	33.1	K0 J	13B	4487	J -27 4619
54		8.8R	48 43.978	0.0013	18	-25 57 40.36	0.015	18	0.34	43.957	16	33.1	40.61	16	33.1	K5 J	14	5577	E -25 5152
55		9.5R	48 44.754	0.0045	18	-26 9 22.90	0.020	18	0.34	44.678	16	33.1	23.23	16	33.1	K0 M	14	5578	E -25 5155
56		8.6R	48 47.044	0.0017	18	-26 1 4.67	0.039	18	0.34	47.015	16	33.1	5.32	16	33.1	B9 J	14	5579	E -25 5156
57		8.9R	48 49.656	-0.0010	20	-26 0 49.19	0.029	20	0.37	49.674	16	33.1	49.67	16	33.1	G M	14	5580	E -25 5158
58		6.4T	48 53.276	-0.0012	12	-24 23 58.73	-0.026	10	0.61	53.340	18	96.9	57.32	15	96.6	A0	GC	10613K	C*-24 6060
59		9.1R	48 54.620	-0.0001	17	-29 6 54.01	-0.053	17	0.32	54.619	16	33.1	53.12	16	33.1	K5 J	13B	4491	J -28 4964
60		9.5R	48 55.293	-0.0013	20	-24 6 30.80	0.017	20	0.37	55.315	16	33.1	31.08	16	33.1	A0 M	14	5583K	E -23 6349
61		9.0R	48 55.825	-0.0019	22	-23 45 42.12	-0.037	22	0.41	55.858	16	33.1	41.49	16	33.1	G0 J	14	5584	E -23 6348
62		9.3R	48 56.227	-0.0002	18	-24 4 4.12	-0.004	18	0.34	56.230	16	33.1	4.05	16	33.1	B9 J	14	5585	E -23 6350
63		9.4R	48 59.012	-0.0015	18	-25 14 45.84	0.005	18	0.34	59.037	16	33.1	45.93	16	33.1	F5 J	14	5587	E -25 5161
64		9.0R	48 59.974	0.0007	18	-26 54 44.61	0.015	18	0.34	59.963	16	33.1	44.86	16	33.1	K0 J	14	5590	E -26 5091
65		9.4R	49 1.674	0.0089	20	-23 2 46.43	-0.007	20	0.37	1.524	16	33.1	46.31	16	33.1		14	5586	E -22 5242
66		9.6R	49 3.433	0.0010	18	-27 2 6.64	-0.010	18	0.34	3.417	16	33.1	6.47	16	33.1	K0 M	14	5592	E -26 5094
67		8.4R	49 5.136	-0.0008	18	-22 54 15.07	-0.003	18	0.34	5.149	16	33.1	15.02	16	33.1	G0 J	14	5591	E -22 5246
68		9.1R	49 9.627	-0.0002	12	-22 23 41.00	-0.009	12	0.26	9.631	16	33.1	40.84	16	33.1	G5 J	14	5593	E -22 5249
69		9.0A	49 10.107	-0.0005	18	-21 23 21.79	-0.014	13	0.31	10.115	16	33.1	21.56	16	33.1	K2 J	13A	3267	A -21 2148
70		9.0R	49 10.811	0.0016	15	-23 5 49.04	-0.011	15	0.30	10.783	16	33.1	48.85	16	33.1	F0 J	14	5594	E -22 5251
71		9.2A	49 14.339	-0.0007	15	-20 59 28.65	0.022	12	0.28	14.350	16	33.1	29.03	16	33.1	K5 J	13A	3269	A -20 2228
72		9.4R	49 15.335	0.0005	20	-22 46 45.06	-0.024	20	0.37	15.326	16	33.1	44.66	16	33.1	K0 M	14	5595	E -22 5254
73		9.4R	49 20.962	0.0007	18	-24 28 59.91	0.031	18	0.34	20.949	16	33.1	+ 0.43	16	33.1	F0 J	14	5596	E -24 6068
74		9.0R	49 28.944	0.0002	18	-22 55 39.14	0.005	18	0.34	28.941	16	33.1	39.23	16	33.1	K0 J	14	5597	E -22 5257
75		8.5R	49 29.426	-0.0001	18	-24 42 44.74	-0.013	18	0.34	29.427	16	33.1	44.52	16	33.1	K5 J	14	5598	E -24 6071
76		9.1R	49 30.390	-0.0014	12	-29 24 10.18	-0.042	12	0.26	30.415	16	33.1	9.48	16	33.1	A0 J	13B	4498	J -29 5037
77		9.2R	49 30.580	0.0014	18	-25 17 54.97	0.058	18	0.34	30.556	16	33.1	55.96	16	33.1	K2 J	14	5599	E -25 5176
78		8.9A	49 31.893	0.0003	17	-21 5 25.04	0.023	12	0.29	31.888	16	33.1	25.43	16	33.1	A3 J	13A	3276	A -20 2234
79		5.8T	49 32.247	-0.0048	07	-21 2 42.02	0.022	07	0.32	32.443	12	09.5	42.98	12	07.4	K0	GC	10632	B*-20 2235
80		9.6R	49 34.225	-0.0038	20	-22 25 10.73	-0.021	20	0.37	34.290	16	33.1	10.38	16	33.1	A0 M	14	5600	E -22 5261
81		9.0R	49 36.984	0.0015	18	-26 32 1.75	0.003	18	0.34	36.958	16	33.1	1.80	16	33.1	B9 J	14	5605	E -26 5104
82		6.9T	49 37.552	0.0044	45	-20 35 28.29	-0.060	36	1.77	37.368	29	07.9	25.67	26	05.9	F5	GC	10634	-20 2236
83		8.7R	49 38.669	-0.0000	15	-25 4 40.15	-0.019	15	0.30	38.669	16	33.1	39.84	16	33.1	A0 J	14	5604	E -24 6074
84		9.6R	49 39.262	0.0000	17	-22 50 44.42	-0.003	17	0.32	39.261	16	33.1	44.37	16	33.1	B9 J	14	5603	E -22 5263
85		9.0R	49 40.981	-0.0007	18	-25 41 14.96	-0.002	18	0.34	40.992	16	33.1	14.92	16	33.1	B8 J	14	5606	E -25 5183
86		8.6R	49 42.830	0.0020	15	-27 14 14.64	0.005	15	0.30	42.797	16	33.1	14.72	16	33.1	F8 J	13B	4499	J -27 4636
87		8.0R	49 43.607	-0.0010	17	-29 32 9.69	-0.028	17	0.32	43.623	16	33.1	9.22	16	33.1	A2 J	13B	4500	J -29 5040
88		9.0A	49 44.066	0.0032	17	-21 9 31.54	-0.050	13	0.30	44.012	16	33.1	30.70	16	33.1	K2 J	13A	3280	A -20 2238
89		8.4R	49 44.645	-0.0003	15	-26 46 0.93	0.018	15	0.30	44.650	16	33.1	1.23	16	33.1	K5 J	14	5607	E -26 5107
90		9.5R	49 51.044	0.0013	18	-24 22 57.90	0.020	18	0.34	51.022	16	33.1	58.23	16	33.1	K2 M	14	5608	E -24 6080
91		9.2R	49 52.731	0.0016	18	-23 45 31.31	-0.003	18	0.34	52.704	16	33.1	31.25	16	33.1	K0 J	14	5609	E -23 6377
92		9.3R	49 53.951	0.0010	18	-27 9 44.10	0.008	18	0.34	53.934	16	33.1	44.23	16	33.1	K0 J	13B	4503	J -26 5110
93		9.3R	49 54.027	-0.0008	12	-29 35 3.20	0.013	12	0.26	54.040	16	33.1	3.43	16	33.1		13B	4504	J -29 5042
94		9.1R	49 58.749	-0.0064	17	-28 37 56.50	0.084	12	0.29	58.857	16	33.1	57.93	16	33.1	G5 J	13B	4505	J -28 4992
95		9.2R	49 59.854	-0.0015	17	-29 42 40.62	-0.055	17	0.32	59.879	16	33.1	39.70	16	33.1	A0 J	13B	4507	J -29 5045
96		9.2R	50 1.412	0.0046	15	-28 10 23.27	-0.036	15	0.30	1.334	16	33.1	22.65	16	33.1	F8 J	13B	4506	J -27 4646
97		9.4R	50 7.757	-0.0010	12	-22 25 23.67	-0.009	12	0.26	7.774	16	33.1	23.51	16	33.1	A2 J	14	5611	E -22 5278
98		9.4R	50 11.945	-0.0023	12	-29 32 46.24	-0.015	12	0.26	11.985	16	33.1	45.99	16	33.1	B9 M	13B	4509	J -29 5050
99		9.2R	50 15.859	0.0009	18	-25 48 24.20	0.015	18	0.34	15.844	16	33.1	24.45	16	33.1	F0 J	14	5614	E -25 5196
00		8.6R	50 15.868	0.0007	15	-26 17 58.87	0.008	15	0.30	15.856	16	33.1	59.00	16	33.1	B0 M	14	5615	E -26 5115

174700

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	EPOCH 1950 μ s	EPOCH 1950 σ_μ .001"	EPOCH 1950 δ_{1950} ° ′ ″	EPOCH 1950 μ' ″	EPOCH 1950 $\sigma_{\mu'}$ .001"	EPOCH 1950 σ_{1950} ″	ORIGINAL EPOCH α_2 s	ORIGINAL EPOCH σ .01	ORIGINAL EPOCH ep.	ORIGINAL EPOCH δ_2 ″	ORIGINAL EPOCH σ' .01	ORIGINAL EPOCH ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	-20° 7H DM NUMBER
1		9.3A	7 50 16.661	0.0017	17	-21 6 59.96	-0.022	13	0.30	16.633	16	33.1	59.60	16	33.1	G5 J	13A	3281	A -20 2247
2		9.6R	50 17.181	0.0013	20	-23 9 58.90	-0.008	20	0.37	17.160	16	33.1	58.77	16	33.1	A0 J	14	5613	E -22 5281
3		9.0R	50 19.133	-0.0032	22	-23 35 13.79	0.077	22	0.41	19.187	16	33.1	15.08	16	33.1	G5 J	14	5616	E -23 6388
4		9.1R	50 20.026	0.0010	20	-29 30 7.85	0.017	20	0.37	20.010	16	33.1	8.15	16	33.1	A0 J	13B	4514	J -29 5057
5		8.8A	50 20.186	0.0014	18	-21 52 11.03	-0.001	13	0.31	20.162	16	33.1	11.00	16	33.1	B5 J	13A	3282	A -21 2155
6		8.8R	50 20.351	-0.0008	12	-29 7 17.49	-0.018	12	0.26	20.365	16	33.1	17.19	16	33.1	K0 J	13B	4513	J -28 5001
7		8.5T	50 23.854	0.0001	17	-24 47 48.79	-0.003	20	0.67	23.847	22	03.6	48.65	22	04.2	A0	GC	10852	C -24 6093
8		9.7R	50 26.546	-0.0019	20	-23 37 8.74	-0.011	20	0.37	26.579	16	33.1	8.55	16	33.1	A0 M	14	5619	E -23 6392
9		9.0R	50 27.423	0.0013	15	-22 33 29.65	-0.018	15	0.30	27.400	16	33.1	29.35	16	33.1	F5 J	14	5618	E -22 5285
10		9.2R	50 27.641	0.0013	18	-26 59 7.34	-0.004	18	0.34	27.620	16	33.1	7.27	16	33.1	K5 J	14	5621	E -26 5122
11		8.6A	50 28.058	-0.0053	18	-21 16 20.37	0.018	13	0.31	28.148	16	33.1	20.68	16	33.1	G0 J	13A	3285	A -21 2156
12		9.5R	50 29.978	-0.0009	20	-24 11 5.44	-0.005	20	0.37	29.994	16	33.1	5.35	16	33.1	K0 M	14	5620	E -23 6395
13		9.1R	50 33.938	-0.0016	17	-29 38 11.17	-0.015	17	0.32	33.966	16	33.1	10.92	16	33.1	B9 J	13B	4518	J -29 5064
14		7.0A	50 35.315	-0.0007	18	-22 5 37.69	-0.002	13	0.31	35.328	16	33.1	37.65	16	33.1	K2 J	13A	3287	A -21 2159
15		9.2R	50 37.022	0.0017	18	-25 25 55.74	0.007	18	0.34	36.993	16	33.1	55.87	16	33.1	K7 M	14	5622	E -25 5200
16		8.6R	50 40.180	0.0015	18	-24 58 18.01	-0.015	18	0.34	40.154	16	33.1	17.75	16	33.1	B2 J	14	5624	E -24 6101
17		9.2R	50 40.236	-0.0078	22	-24 54 14.74	-0.035	22	0.41	40.368	16	33.1	14.15	16	33.1	A0 M	14	5625	E -24 6100
18		9.1R	50 40.952	0.0015	15	-27 51 28.72	-0.016	15	0.30	40.927	16	33.1	28.44	16	33.1	B8 J	13B	4519	J -27 4666
19		9.1A	50 43.980	0.0007	18	-20 52 15.35	0.010	13	0.31	43.967	16	33.1	15.51	16	33.1	A0 J	13A	3288	A -20 2251
20		9.2R	50 44.583	0.0002	17	-28 36 27.65	-0.023	17	0.32	44.581	16	33.1	27.27	16	33.1	B9 J	13B	4522	J -28 5008
21		7.8R	50 51.766	0.0030	18	-25 34 51.93	-0.028	18	0.34	51.715	16	33.1	51.45	16	33.1	K0 J	14	5627	E -25 5208
22		9.3R	50 52.765	-0.0012	20	-28 39 24.19	-0.025	20	0.37	52.806	16	33.1	23.78	16	33.1	B9 J	13B	4525	J -28 5015
23		9.2R	50 53.478	0.0027	20	-28 3 58.39	-0.001	20	0.37	53.432	16	33.1	58.37	16	33.1	K5 J	13B	4524	J -27 4674
24		9.2A	50 53.558	0.0007	20	-21 13 44.16	-0.010	15	0.34	53.546	16	33.1	43.98	16	33.1	A0 J	13A	3291	A -20 2254
25		9.4R	50 54.018	0.0027	20	-22 14 3.81	0.007	20	0.37	53.972	16	33.1	3.93	16	33.1	B3 J	14	5626	E -22 5294
26		9.1R	50 54.018	-0.0011	20	-29 6 25.25	-0.004	20	0.37	54.038	16	33.1	25.19	16	33.1	A5 J	13B	4526	J -28 5017
27		9.5R	50 56.771	0.0024	18	-22 37 12.03	-0.011	18	0.34	56.730	16	33.1	11.84	16	33.1	K0 M	14	5628	E -22 5295
28		8.7R	50 57.636	-0.0005	18	-27 35 42.22	-0.016	18	0.34	57.644	16	33.1	41.94	16	33.1	K5 M	13B	4527	J -27 4675
29		9.1R	50 59.931	0.0014	18	-23 0 31.98	-0.018	18	0.34	59.907	16	33.1	31.67	16	33.1	K0 J	14	5629	E -22 5297
30		8.1R	51 0.245	-0.0001	15	-26 17 0.51	0.023	15	0.30	0.248	16	33.1	0.89	16	33.1	B8 J	14	5630	E -26 5137
31		9.0R	51 0.781	0.0016	12	-29 13 53.85	-0.091	12	0.26	0.754	16	33.1	52.32	16	33.1	G5 J	13B	4529	J -29 5076
32		8.7T	51 2.403	-0.0008	17	-25 6 6.93	-0.004	20	0.67	2.440	22	03.6	7.13	22	04.3	K2	GC	10664K	C*-24 6108
33		8.8R	51 4.630	-0.0020	15	-24 27 21.16	-0.026	15	0.30	4.663	16	33.1	20.71	16	33.1	B8 J	14	5633	E -24 6109
34		9.5R	51 5.767	-0.0028	15	-22 57 37.41	-0.011	15	0.30	5.814	16	33.1	37.60	16	33.1	A0 M	14	5632	E -22 5301
35		8.6A	51 6.819	-0.0002	20	-22 6 16.18	-0.012	15	0.34	6.823	16	33.1	15.97	16	33.1	K2 J	13A	3296	A -21 2162
36		8.8R	51 6.821	0.0017	20	-28 21 42.62	0.039	17	0.34	6.792	16	33.1	43.27	16	33.1	K0 J	13B	4530	J -28 5021
37		9.1R	51 8.938	0.0009	12	-28 23 30.40	0.037	12	0.26	8.923	16	33.1	31.02	16	33.1	G0 J	13B	4531	J -28 5023
38		8.8R	51 14.716	-0.0002	18	-24 2 54.04	-0.001	18	0.34	14.719	16	33.1	54.02	16	33.1	A2 J	14	5635	E -23 6420
39		9.3R	51 20.927	-0.0014	12	-29 10 56.04	-0.062	12	0.26	20.952	16	33.1	55.17	16	33.1	A5 M	13B	4535	J -28 5027
40		9.4R	51 23.927	0.0019	15	-25 56 41.93	0.046	15	0.30	23.895	16	33.1	42.70	16	33.1	F5 J	14	5637	E -25 5221
41		7.9R	51 28.280	0.0010	20	-29 41 35.13	-0.042	20	0.37	28.242	16	33.1	34.43	16	33.1	F0 J	13B	4536	J -29 5088
42		6.7T	51 30.267	0.0012	14	-23 10 57.42	-0.013	15	0.74	30.207	19	00.8	56.79	19	00.7	A0	GC	10679	B*-22 2065
43		8.3R	51 31.430	-0.0013	20	-29 5 41.59	-0.037	20	0.37	31.452	16	33.1	40.97	16	33.1	K0 J	13B	4540	J -28 5035
44		7.1T	51 31.551	-0.0014	20	-23 3 22.89	-0.016	18	0.93	31.616	19	02.4	22.12	18	01.2	B9	GC	10680	-22 2066
45		8.7R	51 31.567	-0.0010	18	-24 7 39.24	0.033	18	0.34	31.584	16	33.1	39.79	16	33.1	B9 J	14	5641	E -23 6428
46		8.4R	51 31.866	0.0012	15	-27 8 58.04	0.004	15	0.30	31.846	16	33.1	58.10	16	33.1	B8 J	13B	4538	J -26 5155
47		8.5R	51 33.227	-0.0024	17	-29 36 11.48	0.001	17	0.32	33.268	16	33.1	11.50	16	33.1	G5 J	13B	4542	J -29 5092
48		9.2R	51 33.427	0.0009	18	-26 6 9.67	0.014	18	0.34	33.412	16	33.1	9.90	16	33.1	B J	14	5642	E -25 5228
49		8.4R	51 35.049	0.0041	20	-27 19 54.49	-0.044	20	0.37	34.979	16	33.1	53.74	16	33.1	G5 J	13B	4541K	J -27 4689
50		9.5R	51 35.823	0.0019	18	-26 18 58.19	-0.024	18	0.34	35.792	16	33.1	57.78	16	33.1	A0 J	14	5644	E -26 5156
51		9.0R	7 51 38.831	0.0002	18	-23 26 13.58	0.013	18	0.34	38.828	16	33.1	13.80	16	33.1	K0 J	14	5643	E -23 6433
52		8.5R	51 40.737	-0.0017	15	-27 53 30.09	-0.018	15	0.30	40.765	16	33.1	29.78	16	33.1	K5 J	13B	4544	J -27 4693
53		9.0R	51 41.382	-0.0011	18	-25 15 15.91	-0.030	18	0.34	41.401	16	33.1	16.43	16	33.1	G0 J	14	5645	E -25 5232
54		8.3R	51 41.506	-0.0008	20	-27 50 59.30	-0.005	20	0.37	41.520	16	33.1	59.21	16	33.1	K7 M	13B	4545	J -27 4695
55		7.1T	51 44.644	-0.0019	13	-26 7 49.33	0.016	12	0.67	44.739	15	99.2	50.18	18	96.1	G5	GC	10688	C -25 5234
56		8.8A	51 46.552	-0.0006	17	-20 54 2.77	-0.004	13	0.30	46.561	16	33.1	2.71	16	33.1	K5 J	13A	3300	A -20 2260
57		9.4R	51 46.564	-0.0021	20	-22 55 36.55	0.022	20	0.37	46.600	16	33.1	36.92	16	33.1	A2 J	14	5646	E -22 5317
58		9.1R	51 47.937	-0.0017	17	-29 56 21.41	0.001	17	0.32	47.966	16	33.1	21.42	16	33.1	K0 J	13B	4547	J -29 5100
59		9.3A	51 48.043	-0.0009	17	-20 44 48.72	-0.022	13	0.30	48.058	16	33.1	48.34	16	33.1	G5 J	13A	3301	A -20 2261
60		9.6R	51 50.034	-0.0022	21	-22 44 15.54	0.071	21	0.39	50.071	16	33.1	16.74	16	33.1	A0 M	14	5648	E -22 5318
61		8.7A	51 51.533	-0.0027	20	-21 53 47.79	0.041	15	0.34	51.580	16	33.1	48.47	16	33.1	G0 J	13A	3303	A -21 2166
62		7.3R	51 54.045	0.0007	15	-26 13 1.89	0.001	15	0.30	54.033	16	33.1	1.90	16	33.1	M4 M	14	5650	E -26 5161
63		9.2R	51 58.572	0.0010	12	-22 23 18.17	-0.001	12	0.26	58.555	16	33.1	18.15	16	33.1	A2 J	14	5649	E -22 5321
64		9.2R	51 58.624	0.0002	18	-26 15 8.68	-0.002	18	0.34	58.622	16	33.1	8.64	16	33.1	K0 M	14	5653	E -26 5163
65		9.7R	51 59.021	0.0034	20	-22 52 55.44	-0.013	20	0.37	58.963	16	33.1	55.22	16	33.1	F0 M	14	5651	E -22 5322
66		8.9R	52 1.264	-0.0010	18	-23 37 40.12	-0.030	18	0.34	1.281	16	33.1	39.60	16	33.1	B9 J	14	5652	E -23 6443
67		7.8R	52 5.911	-0.0011	18	-26 1 13.46	-0.000	18	0.34	5.930	16	33.1	13.45	16	33.1	K5 J	14	5654	E -25 5237
68		9.4R	52 5.960	-0.0222	18	-25 10 26.83	0.169	18	0.34	6.335	16	33.1	30.04	16	33.1	M M	14	5655	E -24 6144
69		9.3R	52 9.392	0.0002	15	-26 52 12.71	-0.036	15	0.30	9.389	16	33.1	12.10	16	33.1	A2 J	14	5659	E -26 5164
70		9.6R	52 10.458	0.0004	20	-23 8 42.66	-0.008	20	0.37	10.451	16	33.1	42.52	16	33.1	K5 M	14	5656	E -22 5327
71		9.2R	52 11.141	-0.0006	20	-23 39 59.96	-0.001	20	0.37	11.150	16	33.1	59.94	16	33.1	F5 J	14	5658	E -23 6447
72		9.4R	52 12.290	-0.0088	20	-22 11 41.59	0.002	20	0.37	12.439	16	33.1	41.62	16	33.1	A0 M	14	5657	E -22 5329
73		9.0A	52 14.256	-0.0001	20	-21 52 26.07	-0.002	15	0.34	14.258	16	33.1	26.03	16	33.1	A0 J	13A	3305	A -21 2170
74		9.4R	52 15.958	0.0002	18	-26 53 21.61	-0.012	18	0.34	15.956	16	33.1	21.40	16	33.1	K0 M	14	5662	E -26 5168
75		8.8R	52 16.246	-0.0011	12	-29 24 16.20	-0.029	12	0.26	16.266	16	33.1	15.72	16	33.1	F0 J	13B	4552	J -29 5117
76		9.0R	52 16.652	0.0018	18	-24 10 23.10	-0.009	18	0.34	16.622	16	33.1	22.94	16	33.1	M M	14	5660	E -23 6450
77		8.7R	52 20.239	0.0005	18	-27 6 49.08	0.009	18	0.34	20.230	16	33.1	49.23	16	33.1	B8 J	14	5665	E -26 5171
78		8.5R	52 21.599	0.0003	18	-25 33 37.89	0.019	18	0.34	21.594	16	33.1	38.20	16	33.1	A3 J	14	5663	E -25 5242
79		6.5T	52 23.196	-0.0000	17	-27 58 23.76	0.006	17	0.83	23.197	19	02.1	24.03	19	02.2	A2	GC	10698	C -27 4706
80		9.4R	52 23.930	-0.0011	20	-23 40 8.46	0.016	20	0.37	23.949	16	33.1	8.72	16	33.1	A0 J	14	5664	E -23 6458
81		8.6R	52 32.130	-0.0001	18	-24 23 22.88	-0.017	18	0.34	32.131	16	33.1	22.58	16	33.1	K0 J	14	5666	E -24 6152
82		9.3R	52 36.373	-0.0004	18	-24 58 30.37	-0.045	18	0.34	36.380	16	33.1	29.61	16	33.1	F5 J	14	5668	E -24 6156
83		8.6R	52 38.970	0.0003	18	-24 40 16.04	-0.014	18	0.34	38.965	16	33.1	15.81	16	33.1	K0 J	14	5669	E -24 6158
84		8.0T	52 41.033	-0.0028	13	-24 10 21.57	0.006	12	0.66	41.171	19	00.7	21.85	19	00.5	K0	GC	10706	C -23 6463
85		8.3R	52 42.204	0.0016	15	-27 36 56.97	0.003	15	0.30	42.176	16	33.1	57.02	16	33.1	A0 J	13B	4556	J -27 4710
86		9.2R	52 43.147	0.0031	18	-26 1 36.89	-0.038	18	0.34	43.095	16	33.1	36.24	16	33.1	F0 M	14	5671	E -25 5252
87		8.5R	52 49.748	0.0006	12	-28 9 45.56	-0.013	12	0.26	49.738	16	33.1	45.33	16	33.1	K0 J	13B	4558	J -27 4718
88		8.6R	52 49.955	0.0001	20	-28 19 31.39	0.027	15	0.34	49.954	16	33.1	31.84	16	33.1	K5 J	13B	4559	J -28 5069
89		9.3R	52 51.059	-0.0005	13	-22 44 22.07	0.018	13	0.28	51.067	16	33.1	22.37	16	33.1	A3 J	14	5673	E -22 5350
90		6.9T	52 52.265	-0.0023	22	-23 19 56.59	0.016	20	1.01	52.372	18	02.9	57.35	19	02.9	A0	GC	10712	C*-23 6465
91		8.6R	52 56.119	-0.0010	12	-26 20 12.66	0.006	12	0.26	56.135	16	33.1	12.76	16	33.1	K0 J	14	5678	E -26 5192
92		9.8R	52 57.056	-0.0033	20	-22 55 38.15	-0.004	20	0.37	57.112	16	33.1	38.08	16	33.1	A0 J	14	5677	E -22 5354
93		9.1R	52 58.940	-0.0090	17	-29 48 45.31	-0.045	17	0.32	58.940	16	33.1	44.56	16	33.1	K0 J	13B	4562	J -29 5138
94		9.3R	53 5.678	0.0018	18	-25 42 56.09	0.073	18	0.34	5.648	16	33.1	57.32	16	33.1	F8 M	14	5680	E -25 5266
95		8.4R	53 6.989	0.0008	18	-22 51 28.80	-0.010	18	0.34	6.975	16	33.1	28.63	16	33.1	K5 J	14	5679	E -22 5357
96		9.6R	53 9.765	-0.0006	18	-22 58 32.79	0.005	18	0.34	9.774	16	33.1	32.88	16	33.1	B9 J	14	5681	E -22 5359
97		8.3R	53 11.350	0.0008	18	-26 17 32.42	-0.003	18	0.34	11.336	16	33.1	32.36	16	33.1	B9 J	14	5685	E -26 5196
98		9.3R	53 12.455	-0.0002	15	-22 11 52.23	0.004	15	0.30	12.459	16	33.1	52.25	16	33.1	A0 M	14	5683	E -22 5358
99		7.6R	53 13.146	-0.0017	15	-25 47 57.16	0.003	15	0.30	13.175	16	33.1	57.20	16	33.1	K2 J	14	5686	E -25 5268
00		8.9A	53 13.205	-0.0002	17	-21 53 21.83	-0.001	12	0.29	13.209	16	33.1	21.80	16	33.1	K2 J	13A	3312	A -21 2176

174800

EPOCH 1950 — ORIGINAL EPOCH — SOURCE — -20° 7H

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	σ_μ ″.001	σ_{1950} ″	α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	CAT.	STAR NUMBER	DM NUMBER
1		9.1R	7 53 17.486	0.0001	13	-22 20 9.71	0.015	13	0.28	17.484	16	33.1	9.96	16	33.1	K0 M	14	5687	E -22 5363
2		7.2T	53 19.634	0.0014	18	-28 9 2.26	0.021	20	0.92	19.568	19	01.9	3.23	21	03.1	B8	GC	10725	C -27 4729
3		8.9R	53 20.004	0.0017	20	-28 45 22.73	-0.032	20	0.37	19.976	16	33.1	22.20	16	33.1	F8 J	13B	4568	J -28 5085
4		9.0R	53 21.395	-0.0021	15	-25 27 7.88	0.040	15	0.30	21.430	16	33.1	8.57	16	33.1	K0 J	14	5690	E -25 5274
5		9.3R	53 22.262	-0.0032	22	-23 49 43.74	0.019	22	0.41	22.316	16	33.1	44.05	16	33.1	A2 J	14	5689	E -23 6489
6		9.1R	53 23.557	-0.0007	13	-28 33 0.27	-0.001	13	0.28	23.569	16	33.1	0.26	16	33.1	G5 M	13B	4571	J -28 5086
7		9.1R	53 24.702	0.0003	20	-27 19 39.65	-0.017	20	0.37	24.697	16	33.1	39.36	16	33.1	A0 J	13B	4570	J -27 4730
8		8.8R	53 27.915	-0.0006	17	-28 17 12.36	-0.022	17	0.32	27.926	16	33.1	11.98	16	33.1	K2 J	13B	4572	J -28 5088
9		9.1A	53 28.395	0.0013	18	-21 48 41.27	0.038	13	0.31	28.374	16	33.1	41.91	16	33.1	K0 J	13A	3314	A -21 2178
10		9.0R	53 28.878	-0.0018	15	-23 17 47.04	-0.003	15	0.30	28.908	16	33.1	46.99	16	33.1	G5 J	14	5691	E -23 6494
11		8.1R	53 28.889	-0.0005	18	-23 55 30.38	-0.013	18	0.34	28.897	16	33.1	30.15	16	33.1	B0 J	14	5692	E -23 6495
12		9.1R	53 33.502	-0.0010	18	-24 51 11.82	0.011	18	0.34	33.519	16	33.1	12.00	16	33.1	A0 J	14	5693	E -24 6188
13		9.4A	53 33.585	0.0046	17	-20 30 23.74	-0.024	13	0.30	33.506	16	33.1	23.32	16	33.1	F5 J	13A	3315	A -20 2277
14		8.3R	53 35.032	-0.0013	18	-25 8 55.82	-0.028	18	0.34	35.054	16	33.1	55.35	16	33.1	G5 J	14	5695	E -24 6190
15		9.5R	53 36.387	0.0007	18	-23 59 43.48	-0.003	18	0.34	36.375	16	33.1	43.42	16	33.1	K5 M	14	5694	E -23 6499
16		9.3A	53 37.342	0.0008	17	-20 38 2.17	0.017	13	0.30	37.328	16	33.1	2.46	16	33.1	A0 J	13A	3316	A -20 2279
17		8.9R	53 38.431	0.0011	20	-28 30 54.94	-0.028	20	0.37	38.412	16	33.1	54.48	16	33.1	K5 M	13B	4575	J -28 5095
18		9.4R	53 42.445	-0.0017	18	-22 13 20.29	-0.003	18	0.34	42.475	16	33.1	20.24	16	33.1	F8 M	14	5698	E -22 5375
19		8.7R	53 43.323	0.0013	18	-25 42 20.69	0.027	18	0.34	43.302	16	33.1	21.14	16	33.1	A3 J	14	5700	E -25 5284
20		8.3R	53 43.498	0.0002	15	-26 58 45.61	-0.059	15	0.30	43.495	16	33.1	44.61	16	33.1	K0 J	14	5701	E -26 5211
21		8.7R	53 44.798	-0.0028	18	-24 0 6.35	-0.009	18	0.34	44.846	16	33.1	6.19	16	33.1	A2 J	14	5699	E -23 6503
22		9.5R	53 46.991	0.0009	21	-28 32 24.16	0.023	21	0.39	46.976	16	33.1	24.56	16	33.1		13B	4578	J -28 5102
23		9.7R	53 48.179	0.0019	18	-24 7 29.48	-0.004	18	0.34	48.148	16	33.1	29.40	16	33.1	A2 J	14	5702	E -23 6508
24		8.5R	53 48.528	-0.0022	12	-23 58 27.36	0.024	12	0.26	48.566	16	33.1	27.76	16	33.1	A5 J	14	5703	E -23 6507
25		8.5R	53 49.871	-0.0040	20	-29 24 18.48	-0.032	20	0.37	49.940	16	33.1	17.94	16	33.1	K5 J	13B	4581	J -29 5169
26		9.2R	53 51.026	0.0002	21	-28 29 45.97	-0.019	21	0.39	51.022	16	33.1	45.64	16	33.1	B M	13B	4580	J -28 5104
27		8.9R	53 54.063	-0.0021	18	-22 52 22.54	-0.020	18	0.34	54.099	16	33.1	22.20	16	33.1	G5 J	14	5705	E -22 5382
28		9.1R	53 55.200	0.0019	20	-28 24 16.18	0.025	17	0.34	55.168	16	33.1	16.60	16	33.1	B5 J	13B	4583	J -28 5107
29		8.9R	53 59.441	0.0009	15	-27 47 30.98	0.014	15	0.30	59.426	16	33.1	31.21	16	33.1	A2 J	13B	4584	J -27 4746
30		8.8R	54 1.964	0.0005	18	-26 4 12.50	-0.002	18	0.34	1.955	16	33.1	12.46	16	33.1	K5 J	14	5709	E -25 5289
31		8.6R	54 2.503	-0.0017	18	-22 25 10.88	0.017	18	0.34	2.533	16	33.1	11.17	16	33.1	K0 J	14	5706	E -22 5385
32		9.5R	54 5.740	-0.0015	20	-22 21 58.39	-0.025	20	0.37	5.765	16	33.1	57.97	16	33.1	K2 M	14	5707	E -22 5386
33		8.9R	54 7.077	-0.0010	12	-26 56 45.44	-0.005	12	0.26	7.094	16	33.1	45.35	16	33.1	B9 J	14	5711	E -26 5220
34		9.0R	54 8.224	0.0036	18	-25 13 24.25	0.039	18	0.34	8.163	16	33.1	24.92	16	33.1	K0 J	14	5710	E -25 5291
35		9.2A	54 8.836	-0.0011	18	-20 9 39.97	0.013	13	0.31	8.855	16	33.1	40.20	16	33.1	A0 J	13A	3319	A -19 2148
36		6.8T	54 9.826	0.0007	12	-20 19 44.05	-0.014	13	0.61	9.792	18	04.0	43.39	18	02.3	A0	GC	10743	-20 2284
37		7.7R	54 11.281	0.0009	20	-28 2 53.22	-0.029	20	0.37	11.266	16	33.1	52.72	16	33.1	B9 J	13B	4586	J -27 4751
38		8.9R	54 12.336	-0.0034	22	-24 42 2.50	0.036	22	0.41	12.394	16	33.1	3.11	16	33.1	K0 J	14	5712	E -24 6206
39		8.7R	54 13.179	-0.0014	18	-26 55 57.69	-0.006	18	0.34	13.202	16	33.1	57.58	16	33.1	K0 J	14	5713	E -26 5224
40		8.8R	54 15.268	0.0006	20	-28 9 13.05	-0.002	20	0.37	15.258	16	33.1	13.01	16	33.1	B9 J	13B	4589	J -27 4753
41		9.9R	54 20.162	-0.0022	20	-22 46 41.85	-0.072	20	0.37	20.199	16	33.1	40.63	16	33.1	A0 M	14	5714	E -22 5395
42		7.6T	54 21.399	0.0003	13	-22 52 12.04	-0.013	09	0.59	21.383	18	00.6	11.37	17	97.7	B9	GC	10747	-22 2084
43		8.1A	54 24.930	0.0012	18	-20 56 0.48	0.047	13	0.31	24.910	16	33.1	1.28	16	33.1	K0 J	13A	3322	A -20 2288
44		9.2R	54 27.833	0.0004	18	-23 46 27.59	-0.025	18	0.34	27.826	16	33.1	27.16	16	33.1	A0 J	14	5716	E -23 6532
45		9.2R	54 29.957	0.0009	18	-22 37 8.54	0.006	18	0.34	29.942	16	33.1	8.64	16	33.1	A0 J	14	5717	E -22 5399
46		9.3R	54 30.686	-0.0004	20	-23 22 3.77	-0.010	20	0.37	30.693	16	33.1	3.60	16	33.1	G5 J	14	5718	E -23 6533
47		8.0R	54 31.718	0.0005	15	-25 16 47.16	-0.004	15	0.30	31.709	16	33.1	47.10	16	33.1	K2 J	14	5719	E -25 5302
48		8.5R	54 36.441	0.0014	18	-26 10 57.96	-0.002	18	0.34	36.417	16	33.1	57.92	16	33.1	K5 J	14	5722	E -25 5306
49		8.8R	54 37.645	0.0012	18	-25 16 22.16	0.021	18	0.34	37.625	16	33.1	22.52	16	33.1	F5 J	14	5723	E -25 5305
50		9.3R	54 39.224	-0.0018	20	-28 58 19.90	-0.018	20	0.37	39.255	16	33.1	19.61	16	33.1	B9 J	13B	4595	J -28 5131
51		9.2R	7 54 41.770	0.0014	18	-25 49 16.82	0.027	18	0.34	41.746	16	33.1	17.27	16	33.1	K0 M	14	5726	E -25 5311
52		4.4T	54 42.490	-0.0024	02	-22 44 43.84	0.005	03	0.12	42.588	04	08.6	44.06	05	07.3	F8	GC	10756	B*-22 2087
53		9.0R	54 43.561	0.0046	18	-25 27 40.58	-0.039	18	0.34	43.484	16	33.1	39.93	16	33.1	G5 J	14	5727	E -25 5312
54		9.7R	54 47.097	-0.0028	18	-24 22 49.41	-0.042	18	0.34	47.144	16	33.1	48.68	16	33.1	G0 M	14	5729	E -24 6217
55		8.8R	54 48.485	0.0002	18	-22 41 26.01	0.013	18	0.34	48.482	16	33.1	26.23	16	33.1	G0 J	14	5728	E -22 5404
56		9.3R	54 53.689	-0.0033	20	-29 23 0.89	0.028	20	0.37	53.745	16	33.1	1.37	16	33.1	A2 J	13B	4600	J -29 5203
57		8.8R	54 55.390	0.0014	15	-27 9 35.70	-0.008	15	0.30	55.367	16	33.1	35.56	16	33.1	K5 J	13B	4598	J -26 5241
58		9.2R	54 57.284	-0.0026	18	-22 44 57.39	-0.039	18	0.34	57.329	16	33.1	56.73	16	33.1	F8 J	14	5730	E -22 5411
59		9.1R	54 57.980	-0.0021	17	-29 12 43.12	-0.041	17	0.32	58.015	16	33.1	42.44	16	33.1	A2 J	13B	4602	J -29 5207
60		9.1R	54 58.835	-0.0010	20	-29 34 45.05	-0.027	20	0.37	58.852	16	33.1	44.59	16	33.1	F5 M	13B	4603	J -29 5209
61		9.0R	55 0.222	0.0016	20	-29 36 41.33	-0.025	20	0.37	0.194	16	33.1	40.90	16	33.1	A0 J	13B	4604	J -29 5210
62		8.5R	55 2.976	0.0001	18	-22 19 45.34	0.001	18	0.34	2.975	16	33.1	45.36	16	33.1	K5 J	14	5731	E -22 5413
63		8.8R	55 3.082	-0.0001	20	-29 6 33.73	-0.035	17	0.34	3.085	16	33.1	33.15	16	33.1	F8 J	13B	4605	J -28 5144
64		9.4R	55 4.388	-0.0019	22	-25 8 43.96	0.051	22	0.41	4.419	16	33.1	44.83	16	33.1	K0 M	14	5734	E -24 6229
65		8.9R	55 4.781	-0.0034	20	-29 8 49.51	-0.007	20	0.37	4.839	16	33.1	49.40	16	33.1	K5 M	13B	4606	J -28 5145
66		9.1R	55 5.250	-0.0046	18	-24 15 41.86	0.011	18	0.34	5.327	16	33.1	42.04	16	33.1	G0 M	14	5733	E -24 6228
67		9.5R	55 6.316	0.0036	20	-23 5 23.12	0.003	20	0.37	6.254	16	33.1	23.17	16	33.1	A2 J	14	5732	E -22 5416
68		8.7R	55 10.491	0.0005	20	-28 22 47.08	-0.026	20	0.37	10.482	16	33.1	46.63	16	33.1	K5 J	13B	4607	J -28 5146
69		9.5R	55 11.212	0.0044	18	-24 36 26.11	-0.031	18	0.34	11.138	16	33.1	25.59	16	33.1	F8 M	14	5735	E -24 6230
70		9.4R	55 14.757	-0.0012	20	-22 56 46.57	0.003	20	0.37	14.777	16	33.1	46.62	16	33.1	A0 J	14	5736	E -22 5424
71		9.0R	55 16.192	0.0023	20	-29 34 36.78	-0.043	20	0.37	16.152	16	33.1	36.05	16	33.1	G5 J	13B	4608	J -29 5216
72		9.5R	55 17.599	-0.0024	15	-22 39 29.17	-0.015	15	0.30	17.639	16	33.1	28.92	16	33.1	A0 M	14	5737	E -22 5425
73		8.1R	55 17.830	-0.0013	18	-24 23 6.74	0.017	18	0.34	17.852	16	33.1	7.02	16	33.1	A0 J	14	5738	E -24 6234
74		8.6R	55 19.444	0.0004	15	-26 48 9.09	0.027	15	0.30	19.438	16	33.1	9.54	16	33.1	A2 J	14	5740	E -26 5255
75		9.0R	55 20.431	0.0005	18	-26 58 12.06	-0.025	18	0.34	20.422	16	33.1	11.63	16	33.1	K0 M	14	5741	E -26 5257
76		9.2R	55 23.852	-0.0011	17	-29 1 55.85	0.041	17	0.32	23.872	16	33.1	56.56	16	33.1		13B	4609	J -28 5156
77		9.0R	55 24.948	-0.0018	21	-28 12 1.60	-0.021	21	0.39	24.978	16	33.1	1.24	16	33.1	G0 J	13B	4610	J -27 4789
78		9.2R	55 26.472	-0.0043	20	-28 27 8.94	0.012	20	0.37	26.399	16	33.1	9.14	16	33.1	G0 J	13B	4611	J -28 5157
79		8.5R	55 30.024	-0.0005	17	-28 12 36.29	0.020	17	0.32	30.033	16	33.1	36.62	16	33.1	A2 J	13B	4612	J -28 5161
80		9.3T	55 36.283	0.0011	22	-26 3 0.62	-0.003	17	0.93	36.234	24	06.2	0.47	22	03.0	A0	GC	10772	C -25 5336
81		9.4R	55 37.701	0.0022	18	-24 9 45.97	-0.032	18	0.34	37.663	16	33.1	45.42	16	33.1	G0 M	14	5743	E -23 6575
82		9.1A	55 38.335	0.0006	18	-20 22 43.46	0.017	13	0.31	38.326	16	33.1	43.74	16	33.1	F2 J	13A	3331	A -20 2300
83		9.0R	55 39.138	0.0015	18	-27 26 5.09	-0.008	18	0.34	39.112	16	33.1	4.95	16	33.1	G5 J	13B	4613	J -27 4797
84		7.8A	55 42.025	0.0016	20	-20 17 33.66	0.020	15	0.34	41.998	16	33.1	33.99	16	33.1	M1 J	13A	3332	A -20 2302
85		9.0R	55 50.247	0.0001	18	-24 40 20.75	-0.001	18	0.34	50.244	16	33.1	20.74	16	33.1	M1 M	14	5745	E -24 6243
86		9.1R	55 54.798	0.0022	18	-22 36 30.69	0.025	18	0.34	54.761	16	33.1	31.11	16	33.1	K2 J	14	5746	E -22 5448
87		8.1R	55 55.962	-0.0007	12	-27 42 2.06	-0.004	12	0.26	55.974	16	33.1	1.99	16	33.1	B8 J	13B	4618	J -27 4804
88		9.1R	55 56.519	-0.0007	15	-26 15 15.89	-0.057	15	0.30	56.531	16	33.1	14.92	16	33.1	B9 J	14	5752	E -26 5269
89		8.5T	55 57.206	0.0269	20	-25 29 14.77	-0.266	18	0.91	55.960	19	03.7	2.16	18	02.5	K0	GC	10783	C*-25 5342
90		9.0R	56 0.498	0.0017	18	-26 29 30.94	0.001	18	0.34	0.469	16	33.1	30.95	16	33.1	K7 M	14	5753	E -26 5272
91		9.2R	56 0.700	0.0001	13	-22 50 8.17	-0.020	13	0.28	0.698	16	33.1	7.83	16	33.1	A0 J	14	5751	E -22 5452
92		8.8A	56 3.143	-0.0020	17	-20 27 46.33	0.010	13	0.30	3.177	16	33.1	46.50	16	33.1	A5 J	13A	3337	A -20 2305
93		9.3R	56 4.261	-0.0030	17	-28 48 20.27	-0.004	17	0.32	4.311	16	33.1	20.20	16	33.1	G0 M	13B	4621	J -28 5184
94		8.6R	56 6.673	-0.0006	18	-22 52 22.74	0.017	18	0.34	6.683	16	33.1	23.03	16	33.1	A2 J	14	5754	E -22 5455
95		9.4R	56 7.148	-0.0009	18	-24 55 6.73	0.008	18	0.34	7.163	16	33.1	6.87	16	33.1	F8 M	14	5755	E -24 6253
96		9.2R	56 10.870	-0.0002	18	-25 34 54.95	-0.000	18	0.34	10.874	16	33.1	54.94	16	33.1	K0 M	14	5757	E -25 5349
97		9.2R	56 13.193	-0.0001	18	-23 27 34.15	-0.020	18	0.34	13.195	16	33.1	33.81	16	33.1	B8 J	14	5756	E -23 6591
98		9.1R	56 13.351	-0.0007	18	-23 57 32.69	0.003	18	0.34	13.363	16	33.1	32.73	16	33.1	B9 J	14	5758	E -23 6593
99		9.0R	56 15.181	-0.0037	20	-29 26 47.12	0.007	20	0.37	15.243	16	33.1	47.25	16	33.1	K0 M	13B	4625	J -29 5254
00		9.0R	56 16.020	-0.0007	18	-24 47 43.42	0.032	18	0.34	16.031	16	33.1	43.96	16	33.1	F5 J	14	5760	E -24 6254

174900 - - | EPOCH 1950 | ORIGINAL EPOCH | SOURCE | -20° 7H

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	α_{1950} h m s	μ s	σ_μ .001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ .001	σ_{1950} ″	α_2 s	σ .01	ep.	δ_2 ″	σ' .01	ep.	SP.	CAT.	STAR NUMBER	DM NUMBER
1		9.2A	7 56 16.598	-0.0010	20	-20 39 57.31	0.003	15	0.34	16.614	16	33.1	57.36	16	33.1	A3 J	13A	3341	A -20 2307
2		9.6R	56 18.177	0.0012	20	-23 32 53.37	0.003	20	0.37	18.157	16	33.1	53.41	16	33.1	A0 J	14	5761	E -23 6594
3		8.6R	56 19.434	0.0005	18	-24 40 25.84	0.002	18	0.34	19.425	16	33.1	25.88	16	33.1	K2 J	14	5762	E -24 6255
4		8.7R	56 20.720	-0.0017	20	-28 59 37.26	0.012	17	0.34	20.750	16	33.1	37.47	16	33.1	K5 J	13B	4627	J -28 5196
5		9.2R	56 21.980	0.0003	20	-29 53 1.66	-0.029	20	0.37	21.975	16	33.1	1.17	16	33.1	A0 M	13B	4630	J -29 5258
6		8.5A	56 23.408	0.0006	18	-21 21 4.62	-0.010	13	0.31	23.398	16	33.1	4.46	16	33.1	G5 J	13A	3344	A -21 2197
7		9.3R	56 25.200	-0.0001	20	-28 2 12.83	-0.006	20	0.37	25.201	16	33.1	12.72	16	33.1	K0 M	13B	4631	J -27 4810
8		9.2R	56 25.278	0.0010	18	-23 3 42.77	0.004	18	0.34	25.260	16	33.1	42.84	16	33.1	A5 J	14	5763	E -22 5463
9		9.5R	56 28.816	0.0014	18	-26 45 26.21	-0.001	18	0.34	28.792	16	33.1	26.19	16	33.1	A0 J	14	5764	E -26 5288
10		9.1R	56 30.633	-0.0013	20	-27 44 41.93	0.005	20	0.37	30.655	16	33.1	42.01	16	33.1	A0 J	13B	4633	J -27 4811
11		9.1R	56 32.110	-0.0012	17	-28 45 10.10	-0.019	17	0.32	32.131	16	33.1	9.79	16	33.1	A2 J	13B	4634	J -28 5202
12		8.5R	56 33.193	-0.0022	15	-24 49 53.08	-0.020	15	0.30	33.230	16	33.1	52.75	16	33.1	F8 J	14	5765	E -24 6264
13		9.7R	56 34.069	-0.0017	18	-24 21 53.70	0.018	18	0.34	34.098	16	33.1	54.00	16	33.1	G0 M	14	5766	E -24 6263
14		7.5R	56 34.997	-0.0002	15	-27 26 26.28	-0.021	15	0.30	35.000	16	33.1	25.92	16	33.1	K0 J	13B	4635	J -27 4814
15		9.2R	56 36.343	-0.0002	18	-25 24 41.62	0.007	18	0.34	36.545	16	33.1	41.75	16	33.1	A0 J	14	5767	E -25 5356
16		8.9R	56 37.050	0.0027	20	-29 31 40.93	-0.010	20	0.37	37.004	16	33.1	40.77	16	33.1	K2 M	13B	4636	J -29 5266
17		9.0R	56 40.413	-0.0015	18	-25 35 21.90	0.006	18	0.34	40.438	16	33.1	22.03	16	33.1	K5 M	14	5770	E -25 5357
18		9.0R	56 41.632	0.0012	18	-24 39 42.13	0.024	18	0.34	41.612	16	33.1	42.53	16	33.1	F5 J	14	5769	E -24 6268
19		9.6R	56 41.684	-0.0024	20	-22 52 34.36	-0.034	20	0.37	41.724	16	33.1	33.78	16	33.1	K2 M	14	5768	E -22 5467
20		8.7R	56 42.584	0.0002	20	-27 18 59.37	0.014	20	0.37	42.581	16	33.1	59.60	16	33.1	K5 J	13B	4637	J -27 4816
21		9.3R	56 45.175	-0.0005	20	-29 10 31.21	0.043	20	0.37	45.184	16	33.1	31.95	16	33.1	G5 M	13B	4640	J -28 5211
22		9.2R	56 45.250	0.0033	18	-22 49 12.53	-0.006	18	0.34	45.194	16	33.1	12.25	16	33.1	A0 J	14	5772	E -22 5470
23		9.1R	56 45.868	0.0008	17	-28 30 56.47	-0.004	17	0.32	45.855	16	33.1	56.54	16	33.1	F8 J	13B	4639	J -28 5212
24		9.4R	56 49.068	0.0015	18	-23 17 0.25	-0.020	18	0.34	49.042	16	33.1	59.91	16	33.1	G5 J	14	5773	E -23 6612
25		9.0A	56 49.495	-0.0004	18	-21 6 25.60	-0.007	13	0.31	49.501	16	33.1	25.49	16	33.1	M1 J	13A	3346	A -20 2316
26		7.7R	56 50.395	0.0010	15	-27 46 12.85	0.004	15	0.30	50.379	16	33.1	12.91	16	33.1	G5 J	13B	4642	J -27 4819
27		8.9R	56 51.281	-0.0001	20	-28 54 22.43	0.006	20	0.37	51.283	16	33.1	22.53	16	33.1	A0 J	13B	4643	J -28 5217
28		9.1A	56 51.690	0.0010	17	-20 57 16.92	-0.022	12	0.29	51.672	16	33.1	16.56	16	33.1	G0 J	13A	3348	A -20 2317
29		9.3R	56 52.412	-0.0016	15	-26 9 35.52	-0.007	15	0.30	52.440	16	33.1	35.40	16	33.1	A0 J	14	5775	E -25 5366
30		9.3R	56 53.018	0.0015	18	-24 9 23.57	-0.021	18	0.34	52.993	16	33.1	23.21	16	33.1	A0 J	14	5774	E -23 6616
31		8.4A	56 56.344	0.0001	20	-20 12 51.16	-0.024	15	0.34	56.343	16	33.1	50.75	16	33.1	K5 J	13A	3349	A -19 2172
32		5.2T	56 56.986	-0.0012	05	-23 10 24.06	-0.002	05	0.29	57.049	12	96.1	23.97	10	01.4	G5	GC	10805	B# -22 2104
33		9.2R	56 58.828	-0.0010	18	-25 8 23.32	0.008	18	0.34	58.844	16	33.1	23.47	16	33.1	B2 J	14	5777	E -24 6271
34		9.1R	57 0.465	0.0023	20	-29 26 35.78	-0.020	20	0.37	0.426	16	33.1	35.44	16	33.1	G5 J	13B	4645	J -29 5280
35		8.2A	57 0.629	-0.0010	20	-21 57 25.51	-0.005	15	0.34	0.645	16	33.1	25.42	16	33.1	K2 J	13A	3351	A -21 2203
36		8.7R	57 7.192	-0.0015	15	-26 57 33.59	-0.007	15	0.30	7.219	16	33.1	33.46	16	33.1	A2 J	14	5779	E -26 5308
37		9.4R	57 7.737	0.0007	15	-22 44 7.00	-0.012	15	0.30	7.784	16	33.1	6.80	16	33.1	K0 M	14	5778	E -22 5482
38		8.3R	57 11.528	0.0047	18	-23 48 41.51	0.007	18	0.34	11.449	16	33.1	41.62	16	33.1	K0 J	14	5780	E -23 6621
39		9.4R	57 12.903	0.0004	20	-23 59 43.70	0.038	20	0.37	12.896	16	33.1	44.33	16	33.1	A5 J	14	5781	E -23 6623
40		9.2R	57 14.750	-0.0011	12	-22 44 1.45	0.006	12	0.26	14.769	16	33.1	1.55	16	33.1	G0 J	14	5782	E -22 5484
41		8.1R	57 21.781	-0.0077	20	-29 12 49.07	0.011	20	0.37	21.912	16	33.1	49.26	16	33.1	F8 J	13B	4651	J -29 5289
42		9.5R	57 22.296	0.0000	18	-24 40 7.47	0.023	18	0.34	22.296	16	33.1	7.86	16	33.1	A3 M	14	5784	E -24 6281
43		9.0R	57 23.008	-0.0020	18	-26 46 17.07	-0.026	18	0.34	23.042	16	33.1	16.63	16	33.1	F8 M	14	5786	E -26 5315
44		9.7R	57 27.347	-0.0000	15	-22 18 37.09	-0.005	15	0.30	27.347	16	33.1	37.01	16	33.1	K0 M	14	5785	E -22 5485
45		8.3R	57 27.940	0.0012	20	-28 17 42.79	-0.040	17	0.34	27.920	16	33.1	42.11	16	33.1	F0 J	13B	4652	J -28 5236
46		8.1R	57 30.194	-0.0005	15	-27 3 54.78	-0.007	12	0.28	30.202	16	33.1	54.66	16	33.1	G5 J	14	5788	E -26 5320
47		9.4R	57 31.989	-0.0016	18	-24 28 8.55	0.005	18	0.34	32.016	16	33.1	8.63	16	33.1	A0 J	14	5787	E -24 6288
48		8.5A	57 36.710	0.0007	20	-20 18 37.69	0.012	15	0.34	36.698	16	33.1	37.89	16	33.1	K5 J	13A	3360	A -20 2324
49		9.1R	57 40.119	-0.0005	13	-22 44 25.42	0.008	13	0.28	40.127	16	33.1	25.55	16	33.1	K2 J	14	5789	E -22 5492
50		9.2R	57 43.053	-0.0015	12	-25 55 8.01	0.009	12	0.26	43.078	16	33.1	8.16	16	33.1	K0 M	14	5791	E -25 5390
51		7.9R	7 57 43.231	0.0003	15	-27 58 10.72	-0.027	15	0.30	43.226	16	33.1	10.26	16	33.1	K0 J	13B	4655	J -27 4836
52		9.5R	57 45.047	0.0001	20	-22 53 27.05	-0.015	20	0.37	45.045	16	33.1	26.78	16	33.1	F8 M	14	5790	E -22 5495
53		8.4A	57 45.177	0.0006	20	-22 8 50.12	0.012	15	0.34	45.166	16	33.1	50.32	16	33.1	A0 J	13A	3362	A -21 2210
54		8.4A	57 51.305	0.0022	18	-21 11 40.02	0.051	13	0.31	51.268	16	33.1	40.87	16	33.1	M1 J	13A	3363	A -20 2328
55		7.4T	57 54.401	-0.0024	14	-23 12 46.66	0.014	09	0.62	54.516	18	01.5	47.39	18	98.7	A0	GC	10843	-22 2110
56		9.1A	57 58.421	-0.0022	17	-20 44 4.94	0.010	13	0.30	58.458	16	33.1	5.10	16	33.1	F8 J	13A	3364	A -20 2329
57		9.0R	58 2.173	0.0017	12	-27 9 4.74	0.002	12	0.26	2.145	16	33.1	4.77	16	33.1	M M	13B	4660	J -26 5336
58		8.0T	58 5.674	0.0013	17	-29 22 34.45	-0.009	13	0.77	5.613	21	03.1	34.01	19	99.4	G5	GC	10853K	C# -29 5319
59		9.4R	58 5.979	0.0003	20	-23 52 25.02	0.007	20	0.37	5.974	16	33.1	25.13	16	33.1	K2 M	14	5794	E -23 6643
60		9.2R	58 8.240	0.0007	18	-26 29 24.03	-0.033	18	0.34	8.229	16	33.1	23.47	16	33.1	K0 M	14	5795	E -26 5338
61		8.0R	58 13.662	-0.0010	12	-26 27 12.24	-0.013	12	0.26	13.678	16	33.1	12.01	16	33.1	K0 J	14	5797	E -26 5341
62		8.5R	58 14.487	0.0015	18	-25 14 52.98	0.012	18	0.34	14.462	16	33.1	53.19	16	33.1	F5 J	14	5796	E -25 5407
63		9.5R	58 15.424	0.0032	18	-26 21 46.92	-0.018	18	0.34	15.370	16	33.1	46.61	16	33.1	A2 J	14	5798	E -26 5342
64		9.0R	58 15.628	-0.0021	20	-28 51 42.04	0.004	20	0.37	15.664	16	33.1	42.11	16	33.1	G0 J	13B	4665	J -28 5267
65		8.9R	58 16.074	-0.0037	20	-29 21 38.85	-0.015	20	0.37	16.136	16	33.1	38.61	16	33.1	K0 M	13B	4667	J -29 5325
66		8.4R	58 17.055	-0.0001	18	-26 8 19.14	0.003	18	0.34	17.067	16	33.1	19.18	16	33.1	K5 J	14	5799	E -25 5413
67		9.6R	58 17.269	0.0010	18	-25 57 37.00	0.020	18	0.34	17.253	16	33.1	37.33	16	33.1	A5 J	14	5800	E -25 5412
68		9.0R	58 27.863	-0.0006	15	-22 43 13.51	0.002	15	0.30	27.873	16	33.1	13.54	16	33.1	A2 J	14	5801	E -22 5507
69		9.1R	58 27.939	-0.0015	17	-28 35 37.28	-0.003	17	0.32	27.965	16	33.1	37.24	16	33.1	A0 J	13B	4673	J -28 5273
70		9.5R	58 28.381	0.0021	15	-22 59 20.12	-0.008	15	0.30	28.346	16	33.1	19.99	16	33.1	A2 J	14	5802	E -22 5508
71		9.8R	58 30.828	-0.0020	20	-22 37 19.83	0.031	20	0.37	30.860	16	33.1	20.35	16	33.1	G0 M	14	5803	E -22 5509
72		9.5R	58 32.399	0.0025	15	-24 59 27.72	-0.070	15	0.30	32.357	16	33.1	26.54	16	33.1	G0 M	14	5804	E -24 6310
73		8.9R	58 34.544	0.0014	15	-26 41 35.74	-0.041	12	0.28	34.519	16	33.1	35.04	16	33.1	F0 J	14	5807	E -26 5354
74		8.7A	58 34.737	0.0026	18	-20 4 28.13	0.004	13	0.32	34.694	18	33.2	28.21	16	33.2	K0 J	12B	3368	A -19 2191
75		9.9R	58 36.591	-0.0002	20	-22 17 6.60	-0.013	20	0.37	36.595	16	33.1	6.37	16	33.1	A0 M	14	5805	E -22 5510
76		9.0R	58 37.942	0.0026	18	-23 57 39.64	-0.001	18	0.34	37.899	16	33.1	39.62	16	33.1	K0 M	14	5806	E -23 6653
77		9.2R	58 40.379	-0.0027	17	-29 20 46.60	0.019	17	0.32	40.424	16	33.1	46.92	16	33.1	A0 J	13B	4674	J -29 5336
78		9.4R	58 45.672	-0.0024	20	-23 6 23.20	0.075	20	0.37	45.712	16	33.1	24.47	16	33.1	K0 M	14	5810	E -22 5516
79		9.2R	58 48.590	0.0009	18	-22 13 52.78	-0.011	18	0.34	48.576	16	33.1	52.59	16	33.1	K0 M	14	5811	E -22 5517
80		8.6R	58 50.086	0.0021	20	-27 5 15.56	-0.001	20	0.37	50.051	16	33.1	15.54	16	33.1	G0 J	14	5816	E -26 5359
81		9.4R	58 51.645	-0.0008	18	-22 21 56.70	-0.025	18	0.34	51.659	16	33.1	56.28	16	33.1		14	5814	E -22 5519
82		9.3R	58 51.786	-0.0000	15	-22 17 20.02	0.008	15	0.30	51.786	16	33.1	20.14	16	33.1	A0 J	14	5813	E -22 5518
83		9.1R	58 54.506	-0.0024	17	-26 33 18.74	-0.018	17	0.32	54.546	16	33.1	18.43	16	33.1	A0 J	14	5818	E -26 5361
84		9.0R	58 56.620	-0.0015	15	-22 20 16.25	0.014	15	0.30	56.645	16	33.1	16.48	16	33.1	A0 J	14	5817	E -22 5521
85		9.4R	58 56.982	0.0015	18	-24 53 36.60	-0.010	18	0.34	56.956	16	33.1	36.43	16	33.1	M0 M	14	5819	E -24 6318
86		9.2A	59 2.987	-0.0003	17	-20 54 23.28	0.010	13	0.30	2.991	16	33.1	23.45	16	33.1	A0 J	13A	3371	A -20 2337
87		8.4R	59 7.060	0.0007	17	-29 44 18.39	-0.005	17	0.32	7.049	16	33.1	18.31	16	33.1	K0 J	13B	4681	J -29 5351
88		7.2T	59 7.976	0.0011	10	-25 16 26.88	0.014	08	0.56	7.917	18	96.4	27.73	17	91.3	A3	GC	10881	C# -25 5436
89		8.2R	59 8.545	0.0001	18	-22 11 51.22	-0.007	18	0.34	8.544	16	33.1	51.10	16	33.1	A2 J	14	5820	E -22 5528
90		8.7R	59 9.762	0.0006	20	-27 44 42.87	0.014	20	0.37	9.752	16	33.1	43.10	16	33.1	G5 J	13B	4682	J -27 4863
91		8.4R	59 9.795	0.0029	18	-23 41 45.48	-0.136	18	0.34	9.747	16	33.1	43.18	16	33.1	F5 J	14	5821	E -23 6667
92		8.0R	59 10.265	-0.0020	17	-29 1 17.80	0.022	17	0.32	10.299	16	33.1	18.18	16	33.1	B5 J	13B	4683	J -28 5299
93		9.2R	59 10.884	-0.0006	18	-26 3 43.04	0.085	18	0.34	10.894	16	33.1	44.47	16	33.1	G0 M	14	5823	E -25 5437
94		8.5R	59 11.016	0.0003	17	-29 25 9.43	-0.001	17	0.32	11.011	16	33.1	9.41	16	33.1	B9 J	13B	4685	J -29 5353
95		8.1A	59 11.476	0.0001	13	-22 11 37.87	0.008	11	0.26	11.474	16	33.1	38.00	16	33.1	G0 J	13A	3373	A -21 2221
96		8.7R	59 12.921	0.0004	15	-26 55 21.15	0.017	15	0.30	12.914	16	33.1	21.43	16	33.1	B8 J	14	5825	E -26 5370
97		9.5R	59 13.885	0.0029	18	-24 28 19.24	-0.000	18	0.34	13.836	16	33.1	19.23	16	33.1	K0 M	14	5824	E -24 6327
98		8.1R	59 15.749	-0.0015	18	-24 48 51.19	0.000	18	0.34	15.774	16	33.1	51.19	16	33.1	B5 J	14	5826	E -24 6329
99		9.3R	59 18.415	-0.0017	18	-26 27 39.11	-0.010	18	0.34	18.444	16	33.1	38.94	16	33.1	A0 J	14	5827	E -26 5372
00		9.1R	59 19.083	0.0007	20	-29 21 56.34	0.036	20	0.37	19.072	16	33.1	56.96	16	33.1	A0 J	13B	4688	J -29 5362

175000			EPOCH 1950								ORIGINAL EPOCH						SP.		SOURCE		-20° 7H
NUMBER	MAGNITUDES		α_{1950}	μ	σ_μ	δ_{1950}	μ'	σ_μ	σ_{1950}		α_2	σ	ep.	δ_2	σ'	ep.			CAT.	STAR NUMBER	DM NUMBER
	m_{pg}	m_v	h m s	s	″.001	° ′ ″	″	″.001	″		s	″.01		″	″.01						
1		9.0A	7 59 20.741	0.0007	18	-21 13 30.04	-0.002	13	0.31		20.729	16	33.1	30.01	16	33.1	B8	J	13A	3375	A -20 2340
2		8.8R	59 24.640	-0.0017	12	-27 35 20.41	-0.018	12	0.26		24.670	16	33.1	20.10	16	33.1	K2	J	13B	4689	J -27 4868
3		8.3T	59 28.853	-0.0048	18	-27 32 49.70	-0.019	20	0.90		29.075	22	04.0	48.81	22	04.1	K0		GC	10887	C -27 4871
4		9.4R	59 28.894	-0.0003	15	-24 34 40.55	0.003	15	0.30		28.899	16	33.1	40.60	16	33.1	F8	J	14	5829	E -24 6331
5		9.0R	59 29.591	0.0023	18	-23 5 13.39	-0.016	18	0.34		29.552	16	33.1	13.12	16	33.1	G5	J	14	5828	E -22 5539
6		8.8R	59 31.061	0.0007	18	-23 51 11.86	0.001	18	0.34		31.048	16	33.1	11.87	16	33.1	F8	J	14	5830	E -23 6676
7		9.2A	59 32.824	-0.0009	18	-21 29 48.10	-0.039	12	0.30		32.839	16	33.1	47.43	16	33.1	F5	J	13A	3377	A -21 2223
8		7.9A	59 33.077	-0.0001	20	-21 1 11.43	-0.016	15	0.34		33.079	16	33.1	11.16	16	33.1	K5	J	13A	3376	A -20 2343
9		8.3T	59 35.922	-0.0041	20	-27 32 20.27	-0.067	26	1.03		36.106	24	05.3	17.35	24	06.6	A0		GC	10888	C -27 4873
10		9.4R	59 38.902	-0.0011	13	-22 46 4.56	-0.002	13	0.28		38.921	16	33.1	4.53	16	33.1	B5	M	14	5832	E -22 5542
11		8.7R	59 41.159	-0.0016	18	-25 0 32.44	0.025	18	0.34		41.186	16	33.1	32.87	16	33.1	K2	J	14	5833	E -24 6340
12		8.8A	59 41.406	-0.0011	20	-20 21 5.56	-0.012	15	0.34		41.425	16	33.1	5.36	16	33.1	A0	J	13A	3379	A -20 2344
13		9.2R	59 42.053	-0.0022	20	-29 37 55.20	0.037	20	0.37		42.090	16	33.1	55.83	16	33.1	F0	J	13B	4697	J -29 5367
14		9.2R	59 43.215	-0.0020	17	-29 41 33.21	0.004	17	0.32		43.248	16	33.1	33.28	16	33.1	K	M	13B	4698	J -29 5368
15		8.6A	59 46.012	0.0001	20	-20 43 8.91	0.005	15	0.34		46.010	16	33.1	9.00	16	33.1	B9	J	13A	3380	A -20 2345
16		9.5R	59 46.283	-0.0027	20	-22 53 24.91	0.007	20	0.37		46.329	16	33.1	25.03	16	33.1	K	M	14	5834	E -22 5544
17		8.4R	59 46.661	0.0002	00	-28 16 4.94	-0.011	20	0.28		46.658	16	33.1	4.75	16	33.1	K5	J	13B	4699	J -28 5316
18		6.5T	59 52.903	-0.0026	18	-27 4 29.41	-0.013	15	0.84		53.030	17	00.7	28.75	17	01.1	B9		GC	10896K	C*-26 5395
19		9.2R	59 53.215	-0.0004	13	-22 14 50.25	-0.000	13	0.28		53.221	16	33.1	50.25	16	33.1	G5	M	14	5835	E -22 5546
20		9.1R	59 54.500	-0.0005	20	-29 28 55.92	-0.057	20	0.37		54.509	16	33.1	54.97	16	33.1	A2	J	13B	4701	J -29 5377
21		8.8R	59 56.062	0.0040	18	-25 13 5.19	0.006	18	0.34		55.994	16	33.1	5.30	16	33.1	K0	J	14	5837	E -25 5457
22		9.4R	59 56.327	0.0002	15	-26 11 32.65	-0.010	15	0.30		56.325	16	33.1	32.48	16	33.1	B9	J	14	5838	E -25 5458
23		8.5R	59 59.596	-0.0030	18	-27 6 41.80	-0.024	18	0.34		59.647	16	33.1	41.39	16	33.1	A3	J	14	5841	E -26 5399
24		9.0R	8 0 2.534	0.0003	17	-29 38 59.00	-0.040	17	0.32		2.528	16	33.1	58.32	16	33.1	F2	J	13B	4704	J -29 5381
25		9.5R	0 2.859	0.0000	20	-23 4 52.59	0.015	20	0.37		2.858	16	33.1	52.84	16	33.1	A0	M	14	5839	E -22 5552
26		9.4R	0 3.356	0.0002	18	-25 5 19.67	-0.040	18	0.34		3.352	16	33.1	19.01	16	33.1	A0	J	14	5842	E -24 6350
27		8.7R	0 4.436	0.0004	18	-26 19 30.89	-0.021	18	0.34		4.429	16	33.1	30.53	16	33.1	K5	J	14	5844	E -26 5402
28		9.2R	0 6.026	-0.0005	15	-24 47 51.79	0.017	15	0.30		6.034	16	33.1	52.07	16	33.1	A0	M	14	5843	E -24 6351
29		8.9R	0 6.998	-0.0017	18	-26 14 42.39	-0.005	18	0.34		7.027	16	33.1	42.30	16	33.1	A0	J	14	5846	E -26 5404
30		9.7R	0 8.784	0.0005	20	-24 6 0.08	-0.016	20	0.37		8.776	16	33.1	59.80	16	33.1	F5	M	14	5845	E -23 6699
31		8.9R	0 11.225	-0.0062	20	-29 54 23.25	0.010	20	0.37		11.329	16	33.1	23.42	16	33.1	F8	J	13B	4708	J -29 5385
32		8.9R	0 12.201	0.0005	20	-29 18 35.03	-0.008	20	0.37		12.194	16	33.1	34.90	16	33.1	K5	M	13B	4707	J -29 5386
33		8.2R	0 12.757	0.0032	18	-25 55 28.21	0.014	18	0.34		12.704	16	33.1	28.44	16	33.1	A0	J	14	5848	E -25 5466
34		9.5R	0 15.139	0.0035	18	-24 13 10.24	0.016	18	0.34		15.079	16	33.1	10.50	16	33.1	K0	M	14	5850	E -24 6355
35		8.9R	0 15.682	-0.0005	18	-26 5 7.79	-0.004	18	0.34		15.690	16	33.1	7.72	16	33.1	M3	M	14	5852	E -25 5468
36		7.8A	0 16.324	-0.0020	15	-20 10 39.23	-0.016	11	0.27		16.359	16	33.1	38.96	16	33.1	A0	J	13A	3385	A -19 2205
37		9.3R	0 16.858	-0.0004	15	-23 14 50.64	-0.052	15	0.30		16.865	16	33.1	49.76	16	33.1	M	M	14	5851	E -23 6702
38		9.1A	0 16.999	0.0003	18	-22 4 5.76	-0.000	13	0.31		16.995	16	33.1	5.75	16	33.1	B5	J	13A	3386	A -21 2233
39		8.5R	0 17.495	-0.0020	17	-29 2 6.80	0.020	17	0.32		17.528	16	33.1	7.15	16	33.1	G5	J	13B	4710	J -28 5335
40		9.4R	0 19.670	-0.0014	18	-25 49 46.72	-0.019	15	0.32		19.693	16	33.1	46.39	16	33.1	A0	J	14	5854	E -25 5469
41		9.2R	0 20.963	0.0004	18	-23 9 42.92	0.044	18	0.34		20.956	16	33.1	43.66	16	33.1	K5	M	14	5853	E -22 5560
42		8.9R	0 21.151	-0.0002	20	-28 8 59.84	-0.012	20	0.37		21.154	16	33.1	59.63	16	33.1	B8	J	13B	4711	J -27 4889
43		9.3R	0 22.286	-0.0011	20	-28 57 10.88	-0.067	20	0.37		22.305	16	33.1	9.76	16	33.1	A0	J	13B	4712	J -28 5338
44		9.5R	0 24.399	0.0008	18	-24 30 27.11	0.012	18	0.34		24.385	16	33.1	27.32	16	33.1	G5	M	14	5855	E -24 6361
45		9.1R	0 25.656	0.0009	18	-24 38 40.47	0.004	18	0.34		25.640	16	33.1	40.53	16	33.1	G5	J	14	5856	E -24 6362
46		8.6A	0 25.866	0.0005	20	-22 7 18.73	-0.013	15	0.34		25.858	16	33.1	18.51	16	33.1	A2	J	13A	3387	A -21 2235
47		8.9A	0 28.625	0.0004	18	-20 41 13.42	-0.009	13	0.31		28.618	16	33.1	13.27	16	33.1	B9	J	13A	3388	A -20 2350
48		7.7R	0 28.674	0.0041	18	-24 53 45.33	-0.044	18	0.34		28.604	16	33.1	44.59	16	33.1	F2	J	14	5858	E -24 6365
49		9.3R	0 29.172	0.0018	18	-23 49 4.36	-0.000	18	0.34		29.142	16	33.1	4.35	16	33.1	K	M	14	5857	E -23 6708
50		8.9A	0 30.500	0.0012	18	-20 32 45.72	0.017	13	0.31		30.480	16	33.1	46.00	16	33.1	F8	J	13A	3389	A -20 2351
51		9.2R	8 0 31.025	-0.0027	17	-28 59 39.09	0.029	17	0.32		31.070	16	33.1	39.59	16	33.1	A2	J	13B	4715	J -28 5341
52		6.9T	0 33.766	0.0006	17	-27 24 13.77	-0.033	16	0.83		33.735	17	01.1	12.14	19	00.8	G5		GC	10916K	C*-27 4894
53		9.4R	0 36.788	0.0006	18	-22 24 55.63	-0.002	18	0.34		36.779	16	33.1	55.59	16	33.1	A0	M	14	5859	E -22 5564
54		9.1R	0 38.865	-0.0006	22	-25 1 32.29	0.044	22	0.41		38.874	16	33.1	33.04	16	33.1	K5	M	14	5862	E -24 6369
55		9.3R	0 39.323	-0.0022	22	-23 34 43.15	0.018	22	0.41		39.359	16	33.1	43.44	16	33.1	F2	M	14	5861	E -23 6715
56		9.0R	0 41.010	0.0011	15	-26 24 53.04	0.009	15	0.30		40.992	16	33.1	53.19	16	33.1	K0	J	14	5865	E -26 5422
57		9.1R	0 41.963	-0.0008	18	-22 33 0.23	0.026	18	0.34		41.977	16	33.1	0.67	16	33.1	K0	J	14	5863	E -22 5567
58		8.6A	0 42.762	0.0017	18	-20 20 1.39	0.016	13	0.31		42.732	16	33.1	1.66	16	33.1	A2	J	13A	3391	A -20 2353
59		8.5R	0 46.062	0.0005	20	-29 6 14.60	-0.008	17	0.34		46.054	16	33.1	14.48	16	33.1	F0	J	13B	4720	J -28 5350
60		9.3R	0 48.562	-0.0003	18	-25 1 17.36	-0.013	18	0.34		48.568	16	33.1	17.15	16	33.1	A2	J	14	5866	E -24 6372
61		9.2A	0 53.662	-0.0005	18	-20 58 6.04	0.039	13	0.31		53.670	16	33.1	6.70	16	33.1	A0	J	13A	3392	A -20 2358
62		9.4R	1 0.838	0.0005	18	-24 18 24.94	0.009	18	0.34		0.829	16	33.1	25.08	16	33.1	M	M	14	5867	E -24 6376
63		8.9A	1 1.144	-0.0003	18	-21 52 1.06	0.011	13	0.31		1.149	16	33.1	1.24	16	33.1	K0	J	13A	3394	A -21 2239
64		8.6R	1 1.278	0.0001	15	-24 46 1.25	-0.014	15	0.30		1.276	16	33.1	1.02	16	33.1	K0	J	14	5868	E -24 6378
65		8.0R	1 2.953	0.0103	18	-24 27 50.63	-0.075	18	0.34		2.778	16	33.1	49.36	16	33.1	G5	J	14	5869	E -24 6379
66		9.2R	1 5.989	-0.0004	17	-29 17 31.46	-0.009	17	0.32		5.997	16	33.1	31.32	16	33.1	B5	J	13B	4722	J -29 5416
67		9.3R	1 7.693	0.0010	18	-23 10 36.59	0.018	18	0.34		7.677	16	33.1	36.89	16	33.1	F0	J	14	5870	E -22 5579
68		8.1T	1 11.122	0.0000	18	-27 7 48.37	-0.042	22	0.96		11.120	22	04.3	46.44	22	04.5	G5		GC	10940	C -26 5441
69		9.1R	1 11.634	0.0044	17	-28 56 5.92	-0.003	17	0.32		11.560	16	33.1	5.87	16	33.1	F5	J	13B	4725	J -28 5359
70		9.4R	1 11.703	0.0003	18	-24 41 36.06	0.029	18	0.34		11.697	16	33.1	36.55	16	33.1	G0	M	14	5872	E -24 6385
71		9.4R	1 13.325	-0.0014	18	-25 36 40.24	0.045	18	0.34		13.348	16	33.1	41.00	16	33.1	K0	M	14	5875	E -25 5491
72		9.0R	1 13.813	0.0006	18	-23 34 14.96	0.008	18	0.34		13.803	16	33.1	15.09	16	33.1	K5	J	14	5873	E -23 6730
73		9.3R	1 20.047	-0.0030	20	-28 18 14.67	0.005	20	0.37		20.098	16	33.1	14.75	16	33.1	F0	J	13B	4727	J -28 5362
74		9.4R	1 20.182	-0.0027	18	-26 40 57.27	-0.003	18	0.34		20.228	16	33.1	57.21	16	33.1	A2	J	14	5880	E -26 5443
75		9.4R	1 23.699	-0.0009	18	-26 31 16.80	-0.005	18	0.34		23.715	16	33.1	16.71	16	33.1	A0	J	14	5882	E -26 5445
76		9.2R	1 23.739	-0.0003	18	-22 35 30.51	-0.012	18	0.34		23.743	16	33.1	30.31	16	33.1	A5	J	14	5879	E -22 5586
77		9.0R	1 28.414	-0.0007	20	-27 42 48.84	0.007	20	0.37		28.426	16	33.1	48.95	16	33.1	G5	M	13B	4728	J -27 4916
78		9.1R	1 29.448	-0.0014	18	-24 17 7.81	0.001	18	0.34		29.472	16	33.1	7.82	16	33.1	A0	J	14	5883	E -24 6394
79		8.3A	1 29.947	0.0004	18	-20 38 6.08	0.007	13	0.31		29.939	16	33.1	6.20	16	33.1	F5	J	13A	3396	A -20 2359
80		9.6R	1 30.369	-0.0005	20	-24 8 5.55	0.061	20	0.37		30.377	16	33.1	6.57	16	33.1	K0	M	14	5884	E -23 6734
81		8.3R	1 30.729	-0.0009	17	-28 14 28.53	0.005	17	0.32		30.745	16	33.1	28.60	16	33.1	A2	J	13B	4731	J -28 5372
82		9.6R	1 33.848	0.0009	18	-24 46 2.11	0.005	18	0.34		33.832	16	33.1	2.20	16	33.1	A0	M	14	5885	E -24 6397
83		8.5R	1 37.548	-0.0029	12	-25 52 53.65	-0.001	12	0.26		37.597	16	33.1	53.63	16	33.1	K5	J	14	5888	E -25 5501
84		9.0R	1 38.266	0.0019	18	-25 46 13.66	-0.008	18	0.34		38.234	16	33.1	13.52	16	33.1	A2	J	14	5890	E -25 5503
85		9.2R	1 38.525	-0.0018	18	-25 21 0.29	0.041	18	0.34		38.556	16	33.1	0.99	16	33.1	K0	M	14	5889	E -25 5502
86		8.8R	1 40.526	-0.0008	13	-22 33 22.43	-0.017	13	0.28		40.539	16	33.1	22.14	16	33.1	A0	J	14	5887	E -22 5589
87		7.7R	1 40.657	0.0018	20	-29 16 37.68	-0.009	20	0.37		40.626	16	33.1	37.54	16	33.1	A0	J	13B	4734	J -29 5439
88		8.5R	1 40.978	-0.0032	15	-23 44 39.04	0.027	15	0.30		41.032	16	33.1	39.49	16	33.1	F5	J	14	5891	E -23 6741
89		9.4R	1 44.135	0.0007	20	-23 49 15.13	-0.027	20	0.37		44.122	16	33.1	14.67	16	33.1	G5	M	14	5892	E -23 6744
90		8.7R	1 45.559	-0.0025	20	-29 37 32.73	-0.026	20	0.37		45.601	16	33.1	32.29	16	33.1	B9	J	13B	4735	J -29 5440
91		9.5R	1 53.017	0.0021	18	-24 20 8.38	-0.002	18	0.34		52.981	16	33.1	8.34	16	33.1	F0	M	14	5894	E -24 6403
92		8.2A	1 53.653	0.0014	18	-21 14 2.39	-0.017	13	0.31		53.629	16	33.1	2.11	16	33.1	A0	J	13A	3400	A -20 2365
93		8.3A	1 54.949	0.0001	17	-21 40 26.04	-0.033	13	0.30		54.947	16	33.1	25.48	16	33.1	F2	J	13A	3401	A -21 2245
94		7.8R	1 56.795	-0.0019	12	-26 49 53.43	-0.054	12	0.26		56.827	16	33.1	54.34	16	33.1	F2	J	14	5895	E -26 5458
95		9.0R	1 58.435	-0.0011	17	-28 56 47.80	-0.015	17	0.32		58.455	16	33.1	47.56	16	33.1	K0	M	13B	4739	J -28 5381
96		9.0R	1 59.328	0.0014	17	-29 13 44.40	0.014	17	0.32		59.305	16	33.1	44.64	16	33.1	A0	J	13B	4741	J -29 5447
97		9.4R	2 0.996	0.0010	15	-24 30 54.27	-0.015	15	0.30		0.979	16	33.1	54.02	16	33.1	A0	J	14	5896K	E -24 6406
98		9.2R	2 1.986	-0.0000	18	-26 24 58.98	-0.006	18	0.34		1.987	16	33.1	58.87	16	33.1	K0	J	14	5898	E -26 5460
99		7.9R	2 3.117	0.0001	20	-29 1 51.48	-0.013	17	0.34		3.116	16	33.1	51.27	16	33.1	A2	J	13B	4745	J -28 5383
00		8.8R	2 3.196	-0.0015	20	-26 52 3.88	0.027	20	0.37		3.221	16	33.1	4.33	16	33.1	K2	M	14	5899	E -26 5461

175100

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	EPOCH 1950 μ_s s	EPOCH 1950 $\sigma\mu$ ″.001	EPOCH 1950 δ_{1950} ° ′ ″	EPOCH 1950 μ' ″	EPOCH 1950 $\sigma\mu'$ ″.001	EPOCH 1950 σ_{1950} ″	ORIGINAL EPOCH α_2 s	ORIGINAL EPOCH σ ″.01	ORIGINAL EPOCH ep.	ORIGINAL EPOCH δ_2 ″	ORIGINAL EPOCH σ' ″.01	ORIGINAL EPOCH ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	-20° 8H DM NUMBER
1		9.2R	8 2 4.753	0.0006	18	-22 23 34.31	0.002	18	0.34	4.744	16	33.1	34.33	16	33.1	A5 J	14	5897	E -22 5599
2		9.2A	2 5.135	-0.0006	13	-21 11 54.63	-0.015	11	0.26	5.144	16	33.1	54.38	16	33.1	F8 J	13A	3402	A -20 2368
3		8.4A	2 9.734	0.0003	18	-21 16 8.75	-0.024	15	0.31	9.728	16	33.1	8.33	16	33.1	K5 J	13A	3403	A -21 2248
4		9.0R	2 12.277	-0.0003	20	-26 32 54.59	0.013	20	0.37	12.283	16	33.1	54.81	16	33.1	K5 J	14	5901	E -26 5463
5		9.8R	2 14.398	-0.0033	20	-22 51 37.82	-0.006	20	0.37	14.454	16	33.1	37.72	16	33.1	A0 M	14	5900	E -22 5603
6		9.2R	2 15.759	-0.0022	20	-27 43 35.40	0.006	20	0.37	15.796	16	33.1	35.49	16	33.1	M0 M	13B	4747	J -27 4937
7		9.4R	2 16.053	-0.0009	15	-23 26 25.68	0.003	15	0.30	16.068	16	33.1	25.73	16	33.1	K0 M	14	5902	E -23 6751
8		8.9R	2 16.448	-0.0001	17	-28 22 2.28	0.004	17	0.32	16.450	16	33.1	2.34	16	33.1	K7 M	13B	4748	J -28 5390
9		8.9A	2 17.140	-0.0012	17	-20 14 41.76	0.030	13	0.30	17.161	16	33.1	42.26	16	33.1	K5 J	13A	3406	A -19 2229
10		9.3R	2 23.359	-0.0052	20	-27 47 40.10	-0.000	20	0.37	23.447	16	33.1	40.09	16	33.1	G0 M	13B	4750	J -27 4944
11		9.3R	2 24.162	-0.0038	20	-26 20 41.20	0.013	20	0.37	24.227	16	33.1	41.42	16	33.1	K2 M	14	5906	E -26 5466
12		9.2R	2 24.956	0.0035	20	-24 17 30.50	0.004	20	0.37	24.896	16	33.1	30.56	16	33.1	K0 M	14	5904	E -24 6416
13		9.6R	2 25.209	0.0040	18	-24 49 11.26	-0.016	18	0.34	25.141	16	33.1	10.99	16	33.1	K0 M	14	5905	E -24 6418
14		5.7T	2 26.482	-0.0010	09	-25 33 23.40	-0.009	07	0.35	26.524	09	07.0	23.00	09	07.2	K2	GC	10963K	C+-25 5530
15		9.2A	2 28.993	0.0009	15	-21 7 42.38	0.000	11	0.27	28.978	16	33.1	42.39	16	33.1	F5 J	13A	3410	A -20 2369
16		8.2R	2 30.664	-0.0027	15	-24 13 16.65	0.013	15	0.30	30.709	16	33.1	16.86	16	33.1	A5 J	14	5909	E -24 6420
17		8.5R	2 30.933	-0.0006	20	-26 29 39.87	-0.004	20	0.37	30.943	16	33.1	39.80	16	33.1	K0 J	14	5910	E -26 5470
18		9.3R	2 31.760	0.0011	20	-22 20 2.27	-0.025	20	0.37	31.742	16	33.1	1.85	16	33.1	K0 M	14	5908	E -22 5609
19		9.0R	2 35.490	0.0005	18	-24 23 34.87	0.006	18	0.34	35.481	16	33.1	34.96	16	33.1	B9 J	14	5911	E -24 6423
20		8.5R	2 37.430	0.0001	18	-23 41 50.33	-0.005	18	0.34	37.428	16	33.1	50.24	16	33.1	K0 J	14	5913	E -23 6755
21		9.6R	2 37.454	-0.0026	20	-22 53 8.81	-0.003	20	0.37	37.497	16	33.1	8.76	16	33.1	A0 M	14	5912	E -22 5611
22		7.6T	2 37.904	-0.0031	16	-29 49 21.56	-0.014	18	0.85	38.055	18	01.4	20.91	21	02.6	M0	GC	10968	C -29 5474
23		9.3R	2 38.150	0.0001	12	-28 16 5.19	0.016	12	0.26	38.149	16	33.1	5.45	16	33.1	K2 J	13B	4753	J -28 5402
24		9.3A	2 39.179	-0.0002	18	-21 6 58.53	0.000	13	0.31	39.182	16	33.1	58.54	16	33.1	A2 J	13A	3411	A -20 2370
25		9.5R	2 42.251	0.0035	18	-24 56 31.97	-0.002	18	0.34	42.192	16	33.1	31.93	16	33.1	K0 M	14	5914	E -24 6427
26		9.3R	2 44.070	0.0010	18	-25 9 7.13	0.036	18	0.34	44.053	16	33.1	7.75	16	33.1	A0 J	14	5915	E -24 6429
27		9.1R	2 45.774	0.0010	20	-28 24 15.09	0.003	17	0.34	45.756	16	33.1	15.14	16	33.1	B9 J	13B	4755	J -28 5407
28		9.2R	2 47.712	-0.0018	17	-29 18 24.77	-0.019	17	0.32	47.743	16	33.1	24.45	16	33.1	A2 J	13B	4756	J -29 5480
29		8.6R	2 50.279	-0.0001	12	-28 22 21.26	-0.018	12	0.26	50.281	16	33.1	20.95	16	33.1	B9 J	14	5918	E -28 5479
30		8.3R	2 51.037	0.0001	18	-22 17 28.75	-0.018	18	0.34	51.035	16	33.1	28.44	16	33.1	G0 J	14	5916	E -22 5617
31		9.4R	2 51.982	-0.0028	18	-22 14 47.37	0.001	18	0.34	52.030	16	33.1	47.39	16	33.1		14	5917	E -22 5620
32		9.2R	2 57.875	0.0002	18	-23 5 5.56	0.005	18	0.34	57.870	16	33.1	5.64	16	33.1	K5 J	14	5919	E -22 5684
33		6.7R	2 59.434	0.0011	20	-27 30 39.49	-0.009	20	0.37	59.415	16	33.1	39.33	16	33.1	G5 J	13B	4757	J -27 4961
34		7.9T	2 59.477	-0.0020	17	-29 48 12.79	-0.003	20	0.87	59.568	22	03.7	12.66	22	04.4	K5	GC	10979	C -29 5488
35		9.2R	3 0.530	-0.0003	15	-26 1 23.12	0.002	15	0.30	0.536	16	33.1	23.15	16	33.1	A3 J	14	5921	E -25 5545
36		9.5R	3 0.810	0.0020	18	-28 2 41.43	-0.069	18	0.34	0.776	16	33.1	40.26	16	33.1	A2 J	13B	4758	J -27 4965
37		9.4R	3 3.207	-0.0005	18	-22 33 26.23	0.003	18	0.34	3.216	16	33.1	26.28	16	33.1	G5 J	14	5920	E -22 5626
38		8.5R	3 5.926	-0.0007	20	-29 55 37.36	-0.023	20	0.37	5.937	16	33.1	36.97	16	33.1	A2 J	13B	4760	J -29 5492
39		8.7A	3 6.729	-0.0025	18	-20 45 58.95	0.012	13	0.31	6.772	16	33.1	59.16	16	33.1	K2 J	13A	3418	A -20 2375
40		9.5R	3 8.315	0.0005	20	-22 49 32.61	-0.018	20	0.37	8.307	16	33.1	32.30	16	33.1	B9 J	14	5922	E -22 5629
41		9.2R	3 8.646	0.0018	20	-27 59 7.13	-0.029	20	0.37	8.616	16	33.1	6.63	16	33.1	A0 J	13B	4761	J -27 4972
42		9.5R	3 9.260	-0.0035	20	-23 10 8.50	-0.038	20	0.37	9.319	16	33.1	7.86	16	33.1	A3 J	14	5923	E -22 5630
43		9.0R	3 10.522	-0.0009	15	-25 0 54.03	-0.007	15	0.30	10.537	16	33.1	54.16	16	33.1	K0 J	14	5924	E -24 6438
44		9.0A	3 15.313	0.0004	18	-21 29 48.07	-0.004	13	0.31	15.306	16	33.1	48.01	16	33.1	A5 J	13A	3420	A -21 2252
45		8.5R	3 16.618	0.0006	12	-26 37 3.17	-0.003	12	0.26	16.608	16	33.1	3.12	16	33.1	M1 M	14	5926	E -26 5488
46		9.7R	3 17.901	-0.0005	20	-24 36 17.87	-0.001	20	0.37	17.909	16	33.1	17.86	16	33.1	A2 M	14	5925	E -24 6443
47		8.9R	3 18.471	-0.0001	18	-26 51 16.53	-0.010	18	0.34	18.472	16	33.1	16.35	16	33.1	K5 J	14	5927	E -26 5489
48		9.2R	3 19.738	-0.0021	17	-29 26 3.55	-0.021	17	0.32	19.773	16	33.1	3.21	16	33.1	F2 J	13B	4764	J -29 5497
49		8.5R	3 23.775	0.0010	20	-27 54 43.15	-0.016	20	0.37	23.758	16	33.1	42.87	16	33.1	A0 J	13B	4766	J -27 4978
50		8.1R	3 26.101	-0.0001	18	-25 -4 41.13	0.002	18	0.34	26.103	16	33.1	41.17	16	33.1	K0 J	14	5931	E -24 6446
51		9.0R	8 3 26.107	0.0032	20	-27 27 23.00	-0.015	20	0.37	26.054	16	33.1	22.74	16	33.1	F2 J	13B	4768	J -27 4980
52		9.6R	3 30.722	-0.0003	20	-23 27 8.77	0.016	20	0.37	30.726	16	33.1	9.04	16	33.1	F0 M	14	5932	E -23 6777
53		8.9R	3 31.155	-0.0006	20	-29 31 55.56	-0.027	20	0.37	31.165	16	33.1	55.10	16	33.1	A2 J	13B	4769	J -29 5504
54		9.1R	3 32.418	0.0009	17	-28 56 6.41	-0.023	17	0.32	32.403	16	33.1	6.03	16	33.1	F8 J	13B	4770	J -28 5427
55		8.6A	3 34.027	-0.0004	18	-21 43 54.08	-0.002	13	0.31	34.034	16	33.1	54.04	16	33.1	K0 J	13A	3422	A -21 2255
56		9.3R	3 35.565	-0.0015	13	-24 2 28.87	-0.015	13	0.28	35.590	16	33.1	28.61	16	33.1	F8 M	14	5933	E -23 6780
57		8.7R	3 35.736	0.0004	17	-29 50 55.19	0.000	17	0.32	35.729	16	33.1	55.19	16	33.1	B9 M	13B	4773	J -29 5507
58		8.8T	3 35.912	-0.0012	18	-27 17 56.67	-0.041	22	0.97	35.967	19	02.5	54.78	21	04.4	F0	GC	10992	C -27 4986
59		9.2R	3 37.409	-0.0024	18	-23 50 42.75	-0.023	18	0.34	37.449	16	33.1	43.13	16	33.1	K5 M	14	5934	E -23 6782
60		8.7R	3 37.657	0.0006	18	-25 37 15.51	-0.018	18	0.34	37.647	16	33.1	15.20	16	33.1	A5 J	14	5935	E -25 5566
61		8.6A	3 43.299	-0.0008	18	-20 48 57.79	0.001	13	0.31	43.312	16	33.1	57.81	16	33.1	G5 J	13A	3424	A -20 2380
62		9.6R	3 44.419	0.0032	20	-24 9 50.03	0.013	20	0.37	44.364	16	33.1	50.24	16	33.1	A0 M	14	5936	E -23 6784
63		9.2R	3 44.921	-0.0021	17	-28 12 51.80	0.025	17	0.32	44.956	16	33.1	52.22	16	33.1	K0 M	13B	4777	J -28 5431
64		9.3R	3 51.898	-0.0002	18	-26 40 28.83	-0.055	18	0.34	51.901	16	33.1	27.90	16	33.1	G0 J	14	5939	E -26 5500
65		9.3R	3 53.518	-0.0012	18	-24 1 36.35	-0.013	18	0.34	53.538	16	33.1	36.12	16	33.1	B8 J	14	5937	E -23 6788
66		8.7A	3 54.838	0.0004	18	-20 22 43.99	0.024	13	0.31	54.832	16	33.1	44.40	16	33.1	K5 J	13A	3429	A -20 2382
67		8.3R	3 56.113	-0.0004	18	-23 1 46.09	0.012	18	0.34	56.120	16	33.1	46.29	16	33.1	G5 J	14	5938	E -22 5652
68		9.0R	3 57.634	0.0002	18	-23 21 17.05	0.029	18	0.34	57.630	16	33.1	17.54	16	33.1	K5 J	14	5941	E -23 6793
69		9.4R	3 57.682	0.0013	13	-22 43 40.70	0.009	13	0.28	57.861	16	33.1	40.85	16	33.1	K5 M	14	5940	E -22 5653
70		9.6R	3 59.166	0.0020	18	-24 55 58.14	-0.009	18	0.34	59.132	16	33.1	57.99	16	33.1	K0 M	14	5943	E -24 6454
71		9.0R	4 1.385	-0.0020	12	-28 55 26.74	-0.024	12	0.26	1.418	16	33.1	26.35	16	33.1	B9 J	13B	4778	J -28 5440
72		9.4R	4 3.567	-0.0000	18	-22 56 44.57	0.018	18	0.34	3.568	16	33.1	44.87	16	33.1	F8 M	14	5944	E -22 5657
73		7.7R	4 5.088	-0.0005	20	-28 5 44.48	-0.029	20	0.37	5.096	16	33.1	43.98	16	33.1	F0 J	13B	4779	J -27 5002
74		9.3R	4 5.304	0.0015	20	-22 43 1.45	0.029	20	0.37	5.279	16	33.1	1.94	16	33.1	A5 J	14	5945	E -22 5658
75		8.6A	4 5.776	-0.0013	20	-20 28 4.20	0.007	15	0.33	5.797	16	33.1	4.32	16	33.1	K5 J	13A	3432	A -20 2385
76		8.3A	4 14.233	0.0003	18	-22 4 55.49	-0.002	13	0.31	14.227	16	33.1	55.45	16	33.1	K5 J	13A	3434	A -21 2262
77		9.1R	4 17.428	-0.0030	20	-29 46 33.53	-0.054	20	0.37	17.478	16	33.1	32.62	16	33.1	A0 M	13B	4782	J -29 5533
78		8.8A	4 18.311	-0.0007	20	-20 11 22.04	-0.016	15	0.33	18.323	16	33.1	21.77	16	33.1	A3 J	13A	3436	A -19 2245
79		9.4R	4 21.132	-0.0011	20	-24 39 0.13	0.004	20	0.37	21.150	16	33.1	0.20	16	33.1	K0 M	14	5947	E -24 6465
80		8.1R	4 22.141	0.0013	18	-24 58 25.13	-0.043	18	0.34	22.119	16	33.1	24.41	16	33.1	K0 J	14	5948	E -24 6469
81		8.9A	4 23.052	0.0021	20	-21 13 58.38	-0.005	15	0.33	23.016	16	33.1	58.29	16	33.1	G5 J	13A	3438	A -20 2386
82		9.3R	4 23.608	0.0012	15	-24 41 58.14	0.032	15	0.30	23.587	16	33.1	58.68	16	33.1	A0 J	14	5950	E -24 6468
83		9.2R	4 25.184	-0.0007	13	-22 52 10.18	0.023	13	0.28	25.196	16	33.1	10.57	16	33.1	A3 J	14	5949	E -22 5665
84		9.2R	4 26.634	0.0014	20	-26 16 57.31	0.071	20	0.37	26.611	16	33.1	58.50	16	33.1	G0 M	14	5953	E -26 5520
85		9.1R	4 27.341	-0.0009	20	-22 13 29.45	0.016	20	0.37	27.356	16	33.1	29.71	16	33.1	A2 J	14	5951	E -22 5666
86		9.0R	4 27.489	-0.0040	20	-29 43 2.10	-0.084	20	0.37	27.555	16	33.1	0.69	16	33.1	F5 M	13B	4784	J -29 5540
87		9.0R	4 27.521	-0.0013	18	-22 38 17.56	-0.040	18	0.34	27.542	16	33.1	16.88	16	33.1	G0 J	14	5952	E -22 5667
88		8.6A	4 28.254	0.0012	18	-20 23 24.80	-0.002	13	0.31	28.234	16	33.1	24.76	16	33.1	A0 J	13A	3440	A -20 2387
89		9.3R	4 34.723	0.0009	17	-26 19 0.87	0.019	12	0.29	34.709	16	33.1	1.19	16	33.1	F8 J	14	5954	E -26 5525
90		8.5A	4 37.446	0.0003	20	-21 29 35.50	-0.041	15	0.33	37.440	16	33.1	34.81	16	33.1	F5 J	13A	3443	A -21 2268
91		9.5R	4 38.716	0.0104	18	-24 32 6.29	-0.122	18	0.34	38.541	16	33.1	4.23	16	33.1	G0 M	14	5955	E -24 6477
92		9.3R	4 41.670	-0.0041	20	-25 14 0.73	0.046	20	0.37	41.739	16	33.1	1.52	16	33.1	K2 M	14	5958	E -25 5588
93		9.4R	4 42.211	-0.0061	20	-23 29 52.84	0.034	20	0.37	42.315	16	33.1	53.41	16	33.1	A5 M	14	5957	E -23 6811
94		9.1R	4 42.686	-0.0004	15	-22 19 6.01	-0.022	15	0.30	42.694	16	33.1	6.38	16	33.1	K2 J	14	5956	E -22 5676
95		9.2R	4 46.175	0.0014	15	-22 41 38.97	-0.015	15	0.30	46.151	16	33.1	38.72	16	33.1	F5 M	14	5959	E -22 5679
96		7.0T	4 46.889	-0.0016	18	-26 58 8.82	-0.005	15	0.84	46.964	19	02.3	8.55	19	99.4	B9	GC	11020	C -26 5535
97		8.8R	4 49.826	-0.0043	20	-26 57 10.46	0.015	20	0.37	49.898	16	33.1	10.71	16	33.1	K0 M	14	5961	E -26 5531
98		8.6A	4 57.230	0.0021	18	-21 32 4.03	-0.011	13	0.31	57.196	16	33.1	3.84	16	33.1	F5 J	13A	3445	A -21 2270
99		9.4R	4 57.392	-0.0032	20	-22 43 53.11	0.020	20	0.37	57.446	16	33.1	53.45	16	33.1	K0 M	14	5962	E -22 5683
00		6.9T	4 57.535	0.0269	15	-29 15 9.99	-0.369	12	0.71	56.191	17	00.0	-50.33	17	96.7	G0	GC	11023	C+-29 5555

175200

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.		SOURCE CAT.	STAR NUMBER	-20° 8H DM NUMBER
1		9.2R	8 4 57.689	-0.0018	20	-26 45 38.57	-0.000	20	0.37	57.720	16	33.1	38.56	16	33.1	A2	J	14	5963	E -26 5534
2		8.9R	4 58.761	0.0011	20	-28 28 51.13	0.012	20	0.37	58.742	16	33.1	51.33	16	33.1	F8	J	13B	4792	J -28 5464
3		8.8R	5 1.146	-0.0014	20	-29 45 3.60	-0.026	20	0.37	1.170	16	33.1	3.16	16	33.1	G0	J	13B	4794	J -29 5559
4		9.5R	5 2.205	-0.0011	21	-28 30 18.03	0.156	21	0.39	2.224	16	33.1	20.67	16	33.1	K0	M	13B	4793	J -28 5469
5		9.0R	5 4.313	0.0000	18	-23 51 20.00	-0.007	18	0.34	4.313	16	33.1	19.88	16	33.1	A2	J	14	5964	E -23 6819
6		5.2T	5 5.582	-0.0015	06	-20 24 31.76	-0.010	05	0.24	5.645	07	09.5	31.35	07	08.6	A3		GC	11027K	-20 2395
7		8.6A	5 6.223	-0.0007	15	-21 54 12.46	-0.006	12	0.28	6.236	16	33.1	12.36	16	33.1	K0	J	13A	3448	A -21 2276
8		9.3A	5 6.374	0.0002	20	-21 29 38.42	0.002	15	0.33	6.371	16	33.1	38.46	16	33.1	K7	J	13A	3447	A -21 2273
9		9.2A	5 10.057	0.0008	20	-21 53 7.10	0.003	15	0.33	10.044	16	33.1	7.15	16	33.1	F5	J	13A	3449	A -21 2277
10		9.2R	5 10.876	-0.0017	18	-24 56 31.57	-0.003	18	0.34	10.905	16	33.1	31.52	16	33.1	A2	J	14	5966	E -24 6487
11		9.2A	5 12.296	-0.0003	18	-21 17 2.23	-0.005	13	0.31	12.301	16	33.1	2.14	16	33.1	F8	J	13A	3450	A -21 2278
12		9.0R	5 13.619	-0.0028	20	-29 52 11.45	0.003	20	0.37	13.666	16	33.1	11.51	16	33.1	F8	J	13B	4796	J -29 5565
13		8.7R	5 14.235	-0.0038	20	-26 14 24.79	0.002	20	0.37	14.300	16	33.1	24.82	16	33.1	K2	J	14	5967	E -26 5543
14		8.9R	5 19.362	-0.0020	17	-25 37 52.05	-0.011	17	0.32	19.397	16	33.1	51.86	16	33.1	B9	J	14	5969	E -25 5600
15		8.5R	5 20.055	-0.0005	18	-22 46 0.19	-0.022	18	0.34	20.063	16	33.1	-59.82	16	33.1	N3	M	14	5968	E -22 5693
16		8.6R	5 21.384	-0.0071	18	-24 31 5.96	-0.069	18	0.34	21.505	16	33.1	4.80	16	33.1	K0	J	14	5970	E -24 6491
17		2.9H	5 24.821	-0.0064	01	-24 9 32.30	0.048	01	0.04	25.092	02	07.4	34.26	02	09.1	F5		F4	308	C -23 6828
18		8.6A	5 30.771	-0.0026	18	-20 32 15.77	0.003	13	0.31	30.815	16	33.1	15.83	16	33.1	M2	J	13A	3453	A -20 2396
19		8.5R	5 36.467	-0.0047	20	-26 13 52.90	-0.004	20	0.37	36.547	16	33.1	52.83	16	33.1	K0	J	14	5972	E -26 5549
20		9.1A	5 37.098	-0.0013	17	-21 20 6.16	-0.010	12	0.29	37.120	16	33.1	6.00	16	33.1	F5	J	13A	3455	A -21 2281
21		8.8R	5 38.957	-0.0017	20	-26 3 38.18	0.030	20	0.37	38.987	16	33.1	38.68	16	33.1	K0	J	14	5973	E -25 5610
22		8.1R	5 39.666	-0.0013	20	-28 10 31.03	0.029	20	0.37	39.688	16	33.1	31.51	16	33.1	K5	J	13B	4798	J -27 5038
23		8.8R	5 41.792	0.0014	18	-24 22 32.85	0.011	18	0.34	41.768	16	33.1	33.03	16	33.1	K2	J	14	5974	E -24 6502
24		9.1A	5 42.739	-0.0004	20	-21 0 16.99	-0.016	15	0.33	42.745	16	33.1	16.73	16	33.1	B8	J	13A	3456	A -20 2398
25		8.8R	5 43.108	-0.0003	18	-24 1 32.98	0.025	18	0.34	43.112	16	33.1	33.40	16	33.1	A0	J	14	5975	E -23 6834
26		9.2R	5 47.397	-0.0009	18	-22 31 17.48	-0.010	18	0.34	47.412	16	33.1	17.31	16	33.1	A2	J	14	5976	E -22 5702
27		8.4R	5 48.126	-0.0001	18	-23 14 14.68	0.000	18	0.34	48.128	16	33.1	14.68	16	33.1	G0	J	14	5977	E -23 6837
28		9.2R	5 49.994	-0.0014	18	-23 42 12.93	-0.016	18	0.34	50.017	16	33.1	12.65	16	33.1	F8	M	14	5978	E -23 6839
29		9.5R	5 50.592	0.0008	18	-23 26 13.16	0.005	18	0.34	50.578	16	33.1	13.24	16	33.1	M	M	14	5979	E -23 6840
30		9.1R	5 50.916	0.0013	20	-29 33 43.34	-0.036	20	0.37	50.893	16	33.1	42.73	16	33.1	A0	J	13B	4800	J -29 5581
31		9.1R	5 52.838	0.0000	18	-24 37 34.68	0.008	18	0.34	52.837	16	33.1	34.82	16	33.1	A3	J	14	5980	E -24 6505
32		9.2R	5 53.504	-0.0025	20	-27 6 20.52	0.004	20	0.37	53.546	16	33.1	20.58	16	33.1	K7	M	14	5982	E -26 5561
33		9.5R	5 53.768	0.0013	18	-24 26 25.40	0.011	18	0.34	53.745	16	33.1	25.58	16	33.1	B8	J	14	5981	E -24 6504
34		8.7R	5 54.537	-0.0027	20	-27 57 31.19	0.010	20	0.37	54.583	16	33.1	31.35	16	33.1	K0	J	13B	4801	J -27 5045
35		9.4R	5 56.707	-0.0014	18	-24 47 10.66	0.012	18	0.34	56.730	16	33.1	10.87	16	33.1	K2	M	14	5983	E -24 6507
36		8.1R	6 2.185	-0.0008	12	-25 40 6.86	0.004	12	0.26	2.200	16	33.1	6.92	16	33.1	K5	J	14	5984	E -25 5618
37		9.5R	6 5.518	-0.0005	18	-24 28 14.31	0.008	18	0.34	5.526	16	33.1	14.44	16	33.1	K0	M	14	5985	E -24 6510
38		8.6R	6 9.340	-0.0031	20	-26 59 1.75	-0.013	20	0.37	9.392	16	33.1	1.53	16	33.1	K0	J	14	5987	E -26 5566
39		6.6T	6 10.378	-0.0013	13	-23 28 15.54	0.003	11	0.66	10.443	15	98.9	15.72	17	94.6	B5		GC	11055K	C -23 6846
40		9.0A	6 13.451	-0.0014	15	-20 22 25.56	0.022	12	0.28	13.475	16	33.1	25.94	16	33.1	K0	J	13A	3458	A -20 2401
41		9.2A	6 16.636	-0.0028	20	-21 19 7.36	-0.002	15	0.33	16.682	16	33.1	7.33	16	33.1	G0	J	13A	3462	A -21 2287
42		8.9R	6 18.094	-0.0019	20	-25 50 42.00	0.031	20	0.37	18.126	16	33.1	42.52	16	33.1	B8	J	14	5990	E -25 5625
43		9.1R	6 19.994	-0.0015	17	-26 24 39.40	-0.036	17	0.32	20.020	16	33.1	38.79	16	33.1	B9	J	14	5992	E -26 5569
44		8.9R	6 20.484	-0.0038	20	-25 24 15.14	-0.002	20	0.37	20.548	16	33.1	15.12	16	33.1	K0	M	14	5991	E -25 5624
45		8.8R	6 20.927	-0.0006	18	-22 14 55.92	0.038	18	0.34	20.937	16	33.1	56.56	16	33.1	K0	J	14	5988	E -22 5711
46		9.0R	6 20.937	-0.0018	21	-23 25 29.74	0.031	21	0.39	20.967	16	33.1	30.26	16	33.1	B8	J	14	5989	E -23 6851
47		9.2R	6 24.802	-0.0006	20	-29 43 52.35	-0.025	20	0.37	24.810	16	33.1	51.93	16	33.1	G5	J	13B	4811	J -29 5600
48		9.2R	6 25.003	-0.0011	18	-25 12 6.91	0.003	18	0.34	25.021	16	33.1	6.97	16	33.1	F2	M	14	5993	E -24 6514
49		9.1R	6 27.780	-0.0000	20	-28 21 28.33	-0.014	20	0.37	27.781	16	33.1	28.09	16	33.1	B8	J	13B	4813	J -28 5508
50		6.4T	6 30.811	-0.0012	10	-20 12 57.79	-0.003	09	0.33	30.849	10	17.3	57.69	12	14.6	A3		GC	11066	-19 2262
51		8.5R	8 6 32.583	-0.0027	18	-24 14 24.30	0.006	18	0.34	32.628	16	33.1	24.39	16	33.1	K0	J	14	5994	E -24 6518
52		8.6R	6 34.543	0.0000	18	-23 23 46.01	0.007	18	0.34	34.542	16	33.1	46.13	16	33.1	G5	J	14	5995	E -23 6857
53		9.4R	6 35.088	-0.0016	13	-23 22 55.18	-0.017	13	0.28	35.114	16	33.1	54.89	16	33.1			14	5996	E -23 6856
54		9.2R	6 37.837	-0.0006	15	-24 23 10.54	0.016	15	0.30	37.848	16	33.1	10.80	16	33.1	A0	J	14	5997	E -24 6519
55		9.2R	6 38.449	-0.0003	18	-24 35 11.05	-0.019	18	0.34	38.454	16	33.1	10.73	16	33.1	A0	J	14	6000	E -24 6520
56		9.1R	6 38.883	-0.0011	18	-23 39 15.47	-0.013	18	0.34	38.902	16	33.1	15.24	16	33.1	K2	M	14	5998	E -23 6860
57		9.4R	6 39.566	0.0007	20	-23 31 10.16	0.021	20	0.37	39.554	16	33.1	10.51	16	33.1	K0	M	14	5999	E -23 6859
58		9.3R	6 39.809	-0.0011	18	-27 6 25.83	-0.019	18	0.34	39.828	16	33.1	25.50	16	33.1	A2	J	14	6002	E -26 5579
59		8.2A	6 40.098	0.0003	20	-21 33 10.02	-0.006	15	0.33	40.092	16	33.1	9.91	16	33.1	A0	J	13A	3469	A -21 2290
60		9.2R	6 41.291	-0.0008	20	-23 12 3.80	0.002	20	0.37	41.304	16	33.1	3.83	16	33.1	G5	M	14	6001	E -22 5721
61		9.3R	6 43.958	-0.0002	15	-24 23 53.45	-0.000	15	0.30	43.961	16	33.1	53.44	16	33.1	G5	M	14	6003	E -24 6525
62		8.0A	6 50.118	-0.0017	18	-20 21 2.53	-0.089	13	0.31	50.147	16	33.1	1.03	16	33.1	G0	J	13A	3471	A -20 2405
63		9.2R	6 52.801	0.0011	18	-22 39 55.00	0.046	18	0.34	52.782	16	33.1	55.78	16	33.1	K2	M	14	6004	E -22 5725
64		9.6R	6 54.251	0.0013	15	-22 45 11.58	0.039	15	0.30	54.230	16	33.1	12.24	16	33.1	B9	J	14	6005	E -22 5726
65		9.2R	6 55.735	0.0006	18	-23 2 35.94	-0.006	18	0.34	55.725	16	33.1	35.84	16	33.1	K0	J	14	6006	E -22 5728
66		9.0R	6 57.123	-0.0014	20	-29 5 38.60	-0.051	20	0.37	57.146	16	33.1	37.75	16	33.1	F5	J	13B	4815	J -28 5525
67		9.4R	6 57.583	0.0008	18	-26 8 25.76	-0.010	18	0.34	57.570	16	33.1	25.59	16	33.1	G0	M	14	6008	E -25 5638
68		9.2R	7 0.631	-0.0000	13	-22 26 49.81	0.012	13	0.28	0.631	16	33.1	50.01	16	33.1	G5	M	14	6007	E -22 5730
69		9.3R	7 1.078	-0.0043	20	-28 55 43.03	0.042	20	0.37	1.150	16	33.1	43.74	16	33.1			13B	4816	J -28 5529
70		8.6R	7 1.584	0.0048	18	-26 5 2.81	-0.062	18	0.34	1.503	16	33.1	1.76	16	33.1	K2	J	14	6009	E -25 5640
71		8.0A	7 4.363	-0.0048	18	-21 25 40.30	-0.095	13	0.31	4.443	16	33.1	38.70	16	33.1	G5	J	13A	3472	A -21 2293
72		7.8R	7 5.742	-0.0000	20	-29 43 28.16	-0.017	20	0.37	5.742	16	33.1	27.87	16	33.1	G5	J	13B	4818	J -29 5619
73		9.4R	7 7.628	-0.0058	20	-28 3 8.17	-0.015	20	0.37	7.725	16	33.1	7.91	16	33.1	A0	J	13B	4819	J -27 5080
74		9.6R	7 8.111	-0.0013	20	-23 11 14.86	-0.040	20	0.37	8.132	16	33.1	14.18	16	33.1	K0	M	14	6010	E -22 5733
75		9.1R	7 16.807	-0.0004	18	-23 16 34.85	0.032	18	0.34	16.814	16	33.1	35.39	16	33.1	K5	J	14	6012	E -23 6873
76		9.3A	7 18.395	0.0012	18	-21 32 23.39	0.006	13	0.31	18.375	16	33.1	23.49	16	33.1	A2	J	13A	3473	A -21 2294
77		9.1A	7 21.870	0.0009	18	-21 26 39.35	-0.012	13	0.31	21.855	16	33.1	39.15	16	33.1	G5	J	13A	3474	A -21 2295
78		9.5R	7 22.641	0.0008	18	-25 46 24.23	-0.003	18	0.34	22.628	16	33.1	24.17	16	33.1	A2	J	14	6015	E -25 5649
79		9.5R	7 23.898	0.0009	18	-23 53 39.97	0.020	18	0.34	23.883	16	33.1	40.30	16	33.1	A0	J	14	6014	E -23 6877
80		9.6R	7 24.808	-0.0026	18	-26 11 28.31	-0.003	18	0.34	24.853	16	33.1	28.25	16	33.1	A0	J	14	6017	E -25 5652
81		8.5A	7 25.727	-0.0043	17	-20 4 58.62	-0.010	11	0.29	25.800	18	33.2	58.46	16	33.2	A5	J	12B	3476	A -19 2269
82		8.0R	7 27.308	-0.0012	15	-27 18 11.07	-0.003	15	0.30	27.328	16	33.1	11.02	16	33.1	K0	J	13B	4824	J -27 5085
83		9.5R	7 27.666	0.0069	18	-23 30 22.12	-0.024	18	0.34	27.549	16	33.1	21.71	16	33.1	G0	J	14	6016	E -23 6878
84		8.4R	7 28.575	-0.0011	15	-24 27 38.08	0.010	15	0.30	28.593	16	33.1	38.24	16	33.1	A3	J	14	6018	E -24 6545
85		9.0A	7 31.062	-0.0003	18	-20 0 4.85	0.006	13	0.32	31.066	18	33.2	4.96	16	33.2	A	J	12B	3477	A -19 2271
86		9.2A	7 32.484	-0.0029	17	-20 6 33.96	-0.014	13	0.30	32.533	18	33.2	33.72	16	33.2	A0	J	12B	3478	A -19 2272
87		9.4R	7 33.498	-0.0022	18	-22 26 0.71	0.023	18	0.34	33.536	16	33.1	1.09	16	33.1	A0	J	14	6019	E -22 5741
88		8.3R	7 34.328	0.0007	12	-22 39 55.27	-0.027	12	0.26	34.315	16	33.1	54.81	16	33.1	M0	J	14	6020	E -22 5742
89		9.0A	7 35.164	-0.0013	20	-21 37 40.59	-0.044	15	0.33	35.186	16	33.1	39.85	16	33.1	K0	J	13A	3479	A -21 2297
90		8.7R	7 35.310	-0.0025	20	-27 17 28.11	-0.004	20	0.37	35.351	16	33.1	28.04	16	33.1	B5	J	13B	4826	J -27 5090
91		8.6R	7 38.011	-0.0011	20	-29 8 55.41	-0.008	20	0.37	38.029	16	33.1	55.28	16	33.1	A0	J	13B	4827	J -28 5553
92		9.2A	7 38.587	-0.0015	18	-20 39 6.04	0.034	13	0.31	38.612	16	33.1	6.60	16	33.1	K2	J	13A	3483	A -20 2411
93		8.6R	7 39.896	-0.0011	20	-26 44 49.90	0.004	20	0.37	39.914	16	33.1	49.96	16	33.1	+++	J	14	6022	E -26 5599
94		9.0R	7 40.935	0.0015	12	-28 16 43.77	-0.005	12	0.26	40.910	16	33.1	43.68	16	33.1	K0	M	13B	4828	J -28 5555
95		9.2R	7 42.932	-0.0005	18	-24 40 19.28	0.011	18	0.34	42.940	16	33.1	19.46	16	33.1	K0	J	14	6023	E -24 6549
96		9.0R	7 44.247	-0.0003	18	-26 21 57.65	0.014	18	0.34	44.252	16	33.1	57.88	16	33.1	G5	J	14	6025	E -26 5600
97		8.5R	7 44.404	0.0008	18	-24 22 15.95	-0.006	18	0.34	44.391	16	33.1	15.84	16	33.1	A3	J	14	6024	E -24 6550
98		8.4R	7 45.265	-0.0001	18	-25 42 0.21	-0.006	18	0.34	45.267	16	33.1	0.10	16	33.1	B5	J	14	6027	E -25 5665
99		9.5R	7 47.510	0.0024	18	-23 52 19.24	-0.017	18	0.34	47.470	16	33.1	18.94	16	33.1	K0	M	14	6026	E -23 6884
00		9.6R	7 53.295	-0.0022	20	-23 59 2.14	0.022	20	0.37	53.331	16	33.1	2.50	16	33.1	A0	J	14	6028	E -23 6888

175300

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	σ'_μ ″.001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	-20° 8H DM NUMBER
1		9.3R	6 7 56.839	0.0004	20	-29 39 58.54	0.003	20	0.37	56.832	16	33.1	58.59	16	33.1	F0 M	13B	4832	J -29 5644
2		9.2R	7 57.474	0.0006	18	-22 13 5.24	0.020	18	0.34	57.465	16	33.1	5.57	16	33.1	K2 M	14	6029	E -22 5749
3		9.2R	7 59.289	-0.0048	20	-27 15 55.83	-0.004	20	0.37	59.369	16	33.1	55.76	16	33.1	A2 M	13B	4831	J -27 5096
4		9.0R	8 0.120	-0.0008	18	-23 20 53.68	0.026	18	0.34	0.133	16	33.1	54.12	16	33.1	K2 J	14	6031	E -23 6890
5		9.7R	8 0.466	-0.0027	15	-22 38 3.61	-0.016	15	0.30	0.512	16	33.1	3.34	16	33.1	G5 M	14	6030	E -22 5750
6		6.7T	8 5.321	-0.0034	17	-22 23 4.33	-0.033	15	0.81	5.489	18	00.7	2.66	18	99.8	F0	GC	11110	B* -22 2173
7		9.0A	8 7.159	-0.0020	18	-20 45 35.54	-0.036	13	0.31	7.192	16	33.1	34.94	16	33.1	K0 J	13A	3484	A -20 2416
8		9.2R	8 9.738	-0.0035	20	-22 53 53.42	0.040	20	0.37	9.804	16	33.1	54.09	16	33.1	K0 M	14	6033	E -22 5755
9		9.0R	8 11.330	0.0009	18	-23 15 4.36	0.029	18	0.34	11.315	16	33.1	4.85	16	33.1	K5 M	14	6034	E -23 6899
10		9.3R	8 12.461	0.0007	18	-25 27 11.10	0.009	18	0.34	12.449	16	33.1	11.26	16	33.1	K0 M	14	6038	E -25 5674
11		8.6R	8 12.511	-0.0003	18	-22 43 25.36	0.043	18	0.34	12.516	16	33.1	26.09	16	33.1	G5 J	14	6035	E -22 5757
12		9.0R	8 12.804	0.0000	18	-22 41 57.06	0.016	18	0.34	12.803	16	33.1	57.33	16	33.1	F5 J	14	6036	E -22 5758
13		9.1R	8 13.034	-0.0002	18	-24 56 11.06	0.002	18	0.34	13.037	16	33.1	11.10	16	33.1	A5 J	14	6037K	E -24 6569
14		8.4R	8 15.823	-0.001A	18	-26 23 3.28	-0.025	18	0.34	15.854	16	33.1	2.85	16	33.1	K2 J	14	6039	E -26 5622
15		8.0R	8 21.088	0.0006	20	-29 53 27.95	-0.036	20	0.37	21.078	16	33.1	27.34	16	33.1	A0 J	13B	4835	J -29 5663
16		9.0R	8 22.559	0.0002	18	-26 45 7.39	-0.003	18	0.34	22.556	16	33.1	7.34	16	33.1	K0 J	14	6040	E -26 5626
17		9.2A	8 23.924	-0.0018	18	-21 48 40.94	0.020	13	0.31	23.955	16	33.1	41.28	16	33.1	F8 J	13A	3489	A -21 2304
18		9.0A	8 25.756	-0.0011	20	-21 42 42.21	-0.008	15	0.33	25.775	16	33.1	42.07	16	33.1	F8 J	15A	3490	A -21 2305
19		8.9R	8 26.223	-0.0008	20	-29 18 1.20	0.016	20	0.37	26.236	16	33.1	1.48	16	33.1	A3 J	13B	4837	J -29 5665
20		9.2A	8 29.912	0.0013	18	-21 15 9.21	0.018	13	0.31	29.890	16	33.1	9.52	16	33.1	A2 J	13A	3492	A -20 2418
21		9.1R	8 30.136	-0.0000	12	-28 27 0.93	0.009	12	0.26	30.136	16	33.1	1.07	16	33.1		13B	4838	J -28 5580
22		8.9A	8 31.396	-0.0004	17	-20 30 30.27	-0.029	13	0.30	31.402	16	33.1	29.77	16	33.1	F0 J	13A	3493	A -20 2419
23		9.0R	8 32.782	0.0011	18	-23 14 21.82	0.000	18	0.34	32.763	16	33.1	21.82	16	33.1	K2	14	6041	E -23 6910
24		9.1R	8 33.019	-0.0009	18	-24 3 22.20	0.021	18	0.34	33.035	16	33.1	22.55	16	33.1	A0 J	14	6043	E -23 6911
25		9.2R	8 33.406	-0.0011	20	-28 37 1.57	0.015	20	0.37	33.424	16	33.1	1.82	16	33.1	F5 J	13B	4840	J -28 5582
26		9.2R	8 33.839	0.0015	18	-26 9 38.22	0.012	18	0.34	33.815	16	33.1	38.42	16	33.1	K M	14	6044	E -25 5685
27		9.8R	8 34.275	-0.0026	20	-22 15 2.79	0.022	20	0.37	34.319	16	33.1	3.15	16	33.1	A0 M	14	6042	E -22 5765
28		9.2R	8 35.607	-0.0001	18	-26 50 11.82	-0.043	18	0.34	35.608	16	33.1	11.09	16	33.1		14	6045	E -26 5634
29		9.1R	8 42.409	-0.0005	12	-27 42 46.64	-0.012	12	0.26	42.418	16	33.1	46.43	16	33.1	A0 J	13B	4842	J -27 5111
30		7.9R	8 42.759	-0.0001	20	-29 59 56.55	0.012	20	0.37	42.761	16	33.1	56.75	16	33.1	B5 J	13B	4843	J -29 5674
31		9.4R	8 42.803	-0.0000	15	-23 9 44.24	-0.002	15	0.30	42.804	16	33.1	44.21	16	33.1	K2 M	14	6046	E -22 5770
32		9.2R	8 43.073	-0.0016	15	-25 18 36.07	-0.073	15	0.30	43.100	16	33.1	34.85	16	33.1	A2 M	14	6048	E -25 5687
33		9.3R	8 44.221	-0.0001	20	-29 20 42.56	-0.027	20	0.37	44.224	16	33.1	42.11	16	33.1	A0 J	13B	4844	J -29 5673
34		9.1R	8 45.258	-0.0013	13	-22 44 24.43	0.009	13	0.28	45.279	16	33.1	24.58	16	33.1	F5 J	14	6047	E -22 5771
35		8.4R	8 48.749	-0.0033	17	-28 21 27.28	0.018	17	0.32	48.804	16	33.1	27.58	16	33.1	K2 J	13B	4845	J -28 5588
36		9.0R	8 52.928	0.0006	15	-26 52 35.25	0.008	15	0.30	52.918	16	33.1	35.38	16	33.1	B9 J	14	6049	E -26 5641
37		9.3R	8 56.392	0.0013	18	-26 4 37.94	0.013	18	0.34	56.370	16	33.1	38.15	16	33.1	G5 J	14	6050	E -25 5696
38		9.3R	8 57.005	0.0003	00	-26 51 52.47	0.023	20	0.28	57.001	16	33.1	52.85	16	33.1		14	6051	E -26 5646
39		9.0R	9 1.160	-0.0011	20	-29 31 47.36	-0.056	20	0.37	1.178	16	33.1	46.41	16	33.1	A0 J	13B	4847	J -29 5679
40		9.7R	9 2.242	0.0008	12	-22 40 19.76	0.005	12	0.26	2.228	16	33.1	19.84	16	33.1	K0 M	14	6052	E -22 5779
41		9.4A	9 3.265	-0.0011	15	-21 3 1.01	-0.017	12	0.28	3.282	16	33.1	0.73	16	33.1	A3 J	13A	3497	A -20 2425
42		9.4R	9 3.932	-0.0003	18	-23 40 11.19	0.006	18	0.34	3.936	16	33.1	11.28	16	33.1	K2 M	14	6053	E -23 6923
43		9.3R	9 5.045	0.0004	17	-29 1 15.26	-0.027	17	0.32	5.005	16	33.1	14.81	16	33.1		13B	4848	J -28 5596
44		8.5R	9 5.239	-0.0011	15	-26 44 5.30	0.001	15	0.30	5.258	16	33.1	5.31	16	33.1	K5 J	14	6055	E -26 5649
45		9.5R	9 5.598	-0.0036	20	-27 7 54.08	0.004	20	0.37	5.658	16	33.1	54.14	16	33.1	A0 J	14	6057	E -26 5651
46		9.3R	9 9.477	0.0008	15	-25 2 52.35	-0.010	15	0.30	9.464	16	33.1	52.19	16	33.1	K0 J	14	6058	E -24 6593
47		9.4R	9 16.827	-0.0026	20	-26 29 36.16	0.024	20	0.37	16.872	16	33.1	36.56	16	33.1	A2 J	14	6060	E -26 5656
48		9.3R	9 18.835	0.0009	15	-22 59 49.82	-0.008	15	0.30	18.820	16	33.1	49.69	16	33.1	A5 J	14	6059	E -22 5787
49		8.3A	9 19.212	0.0008	18	-20 8 38.97	0.014	13	0.31	19.198	16	33.1	39.21	16	33.1	K0 J	13A	3498	A -19 2281
50		9.5R	9 21.713	0.0005	18	-24 15 55.81	0.011	18	0.34	21.705	16	33.1	55.99	16	33.1	F5 M	14	6061	E -24 6597
51		9.2R	8 9 22.101	0.0047	18	-25 54 4.51	-0.010	18	0.34	22.022	16	33.1	4.34	16	33.1	A2 J	14	6063	E -25 5704
52		9.4R	9 24.901	-0.0039	20	-22 35 44.54	-0.010	20	0.37	24.966	16	33.1	44.37	16	33.1	K0 M	14	6062	E -22 5791
53		9.5R	9 25.380	0.0003	20	-23 51 11.79	-0.003	20	0.37	25.375	16	33.1	11.73	16	33.1	G0 M	14	6064	E -23 6927
54		9.1R	9 27.825	0.0040	20	-29 52 49.42	0.003	20	0.37	27.757	16	33.1	49.47	16	33.1	F5 M	13B	4852	J -29 5696
55		9.0R	9 29.344	-0.0054	20	-28 11 7.32	-0.011	20	0.37	29.435	16	33.1	7.13	16	33.1	F8 M	13B	4851	J -27 5124
56		9.4R	9 35.783	-0.0005	18	-25 32 55.59	-0.009	18	0.34	35.791	16	33.1	55.43	16	33.1	A0 M	14	6069	E -25 5711
57		9.4R	9 35.864	-0.0027	20	-28 5 39.43	0.011	20	0.37	35.909	16	33.1	39.61	16	33.1	G5 M	13B	4853	J -27 5126
58		9.5R	9 36.652	-0.0006	18	-24 35 35.92	0.011	18	0.34	36.661	16	33.1	36.10	16	33.1	F5 M	14	6068	E -24 6606
59		9.6R	9 37.151	0.0002	20	-23 2 55.39	0.009	20	0.37	37.147	16	33.1	55.54	16	33.1	A0 M	14	6067	E -22 5794
60		9.0A	9 37.160	0.0004	18	-21 35 56.74	0.017	13	0.31	37.153	16	33.1	57.03	16	33.1	K0 J	13A	3500	A -21 2309
61		9.6R	9 37.659	0.0031	18	-25 10 46.18	-0.030	18	0.34	37.606	16	33.1	45.69	16	33.1	A0 J	14	6070	E -24 6607
62		9.6A	9 42.741	-0.0001	18	-22 9 14.60	-0.101	13	0.31	42.743	16	33.1	12.90	16	33.1		13A	3501	A -21 2312
63		9.0R	9 45.088	-0.0042	20	-29 46 10.93	0.019	20	0.37	45.158	16	33.1	11.25	16	33.1	A3 J	13B	4856	J -29 5708
64		8.9R	9 45.592	0.0001	15	-26 57 22.54	-0.013	15	0.30	45.590	16	33.1	22.32	16	33.1	B9 J	14	6073	E -26 5671
65		8.2R	9 45.780	0.0032	20	-27 22 24.26	-0.032	20	0.37	45.727	16	33.1	23.71	16	33.1	B3 J	13B	4855	J -27 5130
66		9.5R	9 46.123	-0.0035	15	-22 30 46.32	0.021	15	0.30	46.182	16	33.1	46.68	16	33.1	G5 M	14	6071	E -22 5798
67		9.4R	9 48.760	-0.0009	18	-24 27 2.70	0.038	18	0.34	48.774	16	33.1	3.33	16	33.1	A0 J	14	6074	E -24 6612
68		8.9A	9 50.006	0.0015	18	-20 27 25.75	-0.001	13	0.31	49.981	16	33.1	25.74	16	33.1	F8 J	13A	3502	A -20 2432
69		8.6A	9 51.449	0.0024	18	-21 50 31.87	0.012	15	0.32	51.409	16	33.1	32.07	16	33.1	A2 J	13A	3503	A -21 2313
70		8.3R	9 59.959	0.0017	20	-28 51 5.67	-0.013	20	0.37	59.931	16	33.1	5.46	16	33.1	B5 J	13B	4861	J -28 5624
71		9.0A	10 0.484	-0.0009	18	-21 37 27.48	0.019	13	0.31	0.499	16	33.1	27.79	16	33.1	K2 J	13A	3506	A -21 2316
72		9.2R	10 5.380	-0.0019	18	-23 51 12.89	-0.007	18	0.34	5.412	16	33.1	12.77	16	33.1	G5 M	14	6075	E -23 6942
73		8.9R	10 6.403	0.0005	20	-29 4 39.58	-0.011	20	0.37	6.395	16	33.1	39.40	16	33.1	K0 J	13B	4863	J -28 5626
74		8.5R	10 7.905	0.0007	17	-28 25 32.71	0.019	17	0.32	7.892	16	33.1	33.02	16	33.1	K0 J	13B	4864	J -28 5625
75		8.9R	10 8.892	-0.0030	15	-24 1 26.24	0.016	15	0.30	8.942	16	33.1	26.50	16	33.1	A0 J	14	6076	E -23 6947
76		9.8R	10 15.730	-0.0008	12	-23 13 21.25	0.032	12	0.26	15.743	16	33.1	21.79	16	33.1	A0 M	14	6079	E -23 6949
77		8.8A	10 21.272	0.0008	18	-20 53 23.86	0.012	15	0.32	21.258	16	33.1	24.05	16	33.1	A0 J	13A	3508	A -20 2437
78		8.6R	10 21.956	-0.0007	20	-28 14 44.90	0.002	20	0.37	21.968	16	33.1	44.93	16	33.1	K0 J	13B	4868	J -28 5633
79		9.8R	10 22.153	0.0017	20	-22 22 37.61	0.005	20	0.37	22.124	16	33.1	37.69	16	33.1	A5 M	14	6080	E -22 5807
80		8.8A	10 25.162	0.0003	20	-20 52 48.43	-0.007	15	0.33	25.177	16	33.1	48.32	16	33.1	A0 J	13A	3509	A -20 2439
81		9.0A	10 26.388	0.0017	18	-21 42 16.93	-0.044	13	0.31	26.360	16	33.1	16.19	16	33.1	G5 J	13A	3511	A -21 2319
82		9.0R	10 29.206	0.0018	20	-28 51 40.11	0.039	20	0.37	29.177	16	33.1	40.77	16	33.1	A2 J	13B	4871	J -28 5639
83		8.6R	10 30.678	0.0000	20	-24 9 51.88	0.005	20	0.37	30.677	16	33.1	51.96	16	33.1	A0 J	14	6085	E -23 6955
84		9.0R	10 31.740	0.0001	18	-24 20 19.19	-0.010	18	0.34	31.738	16	33.1	19.01	16	33.1	K0 J	14	6087	E -24 6629
85		9.8R	10 33.076	-0.0031	20	-22 34 21.90	0.021	20	0.37	33.129	16	33.1	22.26	16	33.1		14	6086	E -22 5810
86		9.5R	10 34.838	-0.0013	18	-22 52 50.38	-0.001	18	0.34	34.861	16	33.1	50.37	16	33.1	A0 J	14	6088	E -22 5811
87		9.1R	10 37.398	-0.0008	20	-22 51 37.62	0.023	20	0.37	37.411	16	33.1	38.01	16	33.1	G0 M	14	6089	E -22 5813
88		9.2R	10 38.897	0.0006	20	-29 4 8.94	0.012	20	0.37	38.883	16	33.1	9.15	16	33.1	K0 M	13B	4874	J -28 5641
89		9.0R	10 42.168	-0.0040	20	-26 10 47.08	0.004	20	0.37	42.235	16	33.1	47.14	16	33.1	B8 J	14	6090	E -25 5739
90		6.3T	10 44.507	-0.0022	12	-29 45 35.34	0.028	10	0.61	44.618	17	98.7	36.90	18	94.4	A2	GC	11177	C -29 5738
91		8.7R	10 45.805	-0.0012	20	-24 2 10.05	0.087	20	0.37	45.826	16	33.1	11.51	16	33.1	G5 J	14	6091	E -23 6963
92		9.2R	10 54.843	-0.0009	20	-29 2 34.31	0.013	17	0.34	54.859	16	33.1	34.54	16	33.1	A0 J	13B	4879	J -28 5648
93		9.2R	10 55.852	-0.0005	15	-22 30 18.04	0.026	15	0.30	55.861	16	33.1	18.48	16	33.1		14	6092	E -22 5827
94		9.0R	10 58.563	-0.0015	20	-25 34 49.55	0.037	20	0.37	58.589	16	33.1	50.17	16	33.1	F5 J	14	6097	E -25 5743
95		8.0A	10 59.131	0.0016	18	-21 5 22.39	-0.019	13	0.31	59.104	16	33.1	22.06	16	33.1	K0 J	13A	3514	A -20 2443
96		9.3R	10 59.812	0.0019	20	-23 3 26.14	-0.018	20	0.37	59.780	16	33.1	25.84	16	33.1	K7 M	14	6095	E -22 5831
97		9.2R	11 0.291	-0.0023	20	-29 23 13.37	-0.059	20	0.37	0.330	16	33.1	12.38	16	33.1	G0 M	13B	4881	J -29 5742
98		9.4R	11 1.801	-0.0001	15	-22 33 17.49	0.005	15	0.30	1.803	16	33.1	17.57	16	33.1	K5 M	14	6096	E -22 5832
99		8.7R	11 2.698	0.0006	15	-22 14 44.73	-0.011	15	0.30	2.687	16	33.1	44.53	16	33.1	A0 J	14	6098	E -22 5833
00		8.5R	11 2.822	0.0008	18	-23 49 5.65	0.005	18	0.34	2.808	16	33.1	5.73	16	33.1	K5 J	14	6100	E -23 6970

175400			EPOCH 1950							ORIGINAL EPOCH						SP.		SOURCE		-20° 8H
NUMBER	MAGNITUDES m_{pg}	m_v	α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.			CAT.	STAR NUMBER	DM NUMBER
1		8.0R	8 11 3.642	-0.0033	18	-23 21 37.59	0.028	18	0.34	3.698	16	33.1	38.06	16	33.1	A3	J	14	6101	E -23 6971
2		9.2R	11 7.033	-0.0020	18	-24 0 29.79	0.019	18	0.34	7.067	16	33.1	30.10	16	33.1	K0	J	14	6102	E -23 6973
3		8.8R	11 8.590	-0.0021	21	-27 22 19.19	0.039	21	0.39	8.625	16	33.1	19.84	16	33.1	K0	J	13B	4882	J -27 5162
4		8.2R	11 9.679	-0.0040	20	-27 41 23.25	-0.005	20	0.37	9.747	16	33.1	23.16	16	33.1	A2	J	13B	4883	J -27 5163
5		8.8A	11 12.764	0.0013	20	-21 24 48.89	0.017	15	0.33	12.741	16	33.1	49.18	16	33.1	A0	J	13A	3517	A -21 2329
6		8.6R	11 15.384	-0.0005	18	-24 44 32.79	-0.008	18	0.34	15.392	16	33.1	32.66	16	33.1	K2	J	14	6105	E -24 6649
7		9.2R	11 15.548	0.0010	18	-23 19 23.51	-0.005	18	0.34	15.530	16	33.1	23.43	16	33.1	A0	M	14	6104	E -23 6975
8		8.1A	11 18.175	0.0005	20	-20 25 21.84	-0.006	15	0.33	18.166	16	33.1	21.74	16	33.1	K0	J	13A	3519	A -20 2446
9		8.2R	11 22.061	-0.0033	18	-23 48 3.97	0.005	18	0.34	22.117	16	33.1	4.05	16	33.1	A0	J	14	6106	E -23 6977
10		9.4R	11 23.348	-0.0009	18	-24 36 27.06	-0.014	18	0.34	23.363	16	33.1	26.82	16	33.1	A2	J	14	6107	E -24 6653
11		9.2R	11 27.501	-0.0024	22	-23 46 6.93	0.013	22	0.41	27.541	16	33.1	7.14	16	33.1	B9	M	14	6108K	E -23 6980
12		8.6R	11 28.240	-0.0008	20	-26 0 27.47	0.021	20	0.37	28.253	16	33.1	27.82	16	33.1	B8	J	14	6109	E -25 5751
13		8.4A	11 32.571	-0.0000	18	-22 11 19.67	0.003	13	0.31	32.571	16	33.1	19.71	16	33.1	K0	J	13A	3522	A -21 2333
14		9.7R	11 32.675	0.0005	20	-22 34 37.70	-0.011	20	0.37	32.667	16	33.1	37.51	16	33.1	G	M	14	6110	E -22 5839
15		8.9R	11 37.714	0.0006	17	-29 40 12.84	-0.022	17	0.32	37.704	16	33.1	12.47	16	33.1	G5	J	13B	4890	J -29 5762
16		9.2R	11 40.154	0.0008	18	-22 14 54.71	0.026	18	0.34	40.141	16	33.1	55.14	16	33.1	A0	J	14	6112	E -22 5844
17		8.5R	11 40.382	-0.0018	20	-27 22 39.70	-0.016	20	0.37	40.412	16	33.1	39.43	16	33.1	K5	J	13B	4889	J -27 5172
18		9.5R	11 47.813	-0.0009	12	-22 41 29.75	-0.002	12	0.26	47.828	16	33.1	29.72	16	33.1	A0	M	14	6113	E -22 5847
19		8.8R	11 51.579	0.0014	17	-28 44 52.74	0.017	17	0.32	51.556	16	33.1	53.04	16	33.1	K2	M	13B	4893	J -28 5668
20		9.5R	11 53.172	-0.0017	12	-22 31 43.07	-0.034	12	0.26	53.201	16	33.1	42.49	16	33.1	G5	M	14	6115	E -22 5851
21		8.5A	11 53.598	0.0020	13	-21 14 1.56	-0.002	09	0.25	53.563	16	33.1	1.53	16	33.1	K0	J	13A	3526	A -20 2451
22		8.8R	11 56.813	0.0016	18	-23 24 54.90	-0.002	18	0.34	56.787	16	33.1	54.87	16	33.1	K5	J	14	6117	E -23 6990
23		8.7R	11 57.754	-0.0004	15	-25 33 33.39	-0.010	15	0.30	57.761	16	33.1	33.22	16	33.1	F2	J	14	6118	E -25 5764
24		8.5R	12 5.168	-0.0026	20	-27 53 35.39	-0.005	20	0.37	5.212	16	33.1	35.30	16	33.1	K0	J	13B	4895	J -27 5183
25		7.9R	12 5.227	-0.0007	15	-24 46 46.35	-0.026	15	0.30	5.238	16	33.1	45.92	16	33.1	A5	J	14	6121	E -24 6666
26		9.1R	12 6.691	0.0026	18	-23 25 7.42	0.015	18	0.34	6.646	16	33.1	7.67	16	33.1	A0	J	14	6120	E -23 6993
27		9.7R	12 7.034	-0.0068	20	-22 13 21.67	-0.001	20	0.37	7.148	16	33.1	21.65	16	33.1	A0	M	14	6119	E -22 5863
28		8.8R	12 7.634	-0.0004	17	-28 53 11.53	-0.008	17	0.32	7.641	16	33.1	11.40	16	33.1	K2	J	13B	4896	J -28 5673
29		9.0R	12 8.760	-0.0007	18	-22 59 24.82	0.002	18	0.34	8.771	16	33.1	24.85	16	33.1	A5	J	14	6122	E -22 5867
30		9.4R	12 11.713	-0.0034	20	-27 26 24.10	0.018	20	0.37	11.771	16	33.1	24.40	16	33.1	A0	J	13B	4897	J -27 5185
31		9.2R	12 13.376	-0.0011	18	-23 18 35.40	0.036	18	0.34	13.395	16	33.1	36.01	16	33.1	F0	M	14	6123	E -23 6995
32		9.4R	12 18.579	-0.0016	12	-22 20 45.28	0.011	12	0.26	18.606	16	33.1	45.46	16	33.1	K0	M	14	6124	E -22 5871
33		9.7R	12 18.950	-0.0005	18	-26 42 31.71	-0.004	18	0.34	18.957	16	33.1	31.64	16	33.1	F5	J	14	6127	E -26 5732
34		9.5R	12 19.551	-0.0035	18	-23 21 54.75	-0.026	18	0.34	19.609	16	33.1	54.31	16	33.1	F2	M	14	6125	E -23 7003
35		8.8R	12 21.904	-0.0020	20	-29 39 17.88	0.020	20	0.37	21.938	16	33.1	18.23	16	33.1	A5	J	13B	4902	J -29 5780
36		9.0A	12 25.075	-0.0000	18	-22 10 13.61	-0.008	13	0.31	25.076	16	33.1	13.47	16	33.1	G5	J	13A	3528	A -21 2337
37		8.3R	12 26.488	-0.0015	20	-27 15 49.71	-0.015	20	0.37	26.515	16	33.1	49.45	16	33.1	G5	J	13B	4903	J -27 5190
38		8.4R	12 29.146	-0.0022	18	-27 36 35.66	0.008	18	0.34	29.183	16	33.1	35.79	16	33.1	B8	J	13B	4904	J -27 5192
39		8.5R	12 33.205	-0.0014	18	-25 50 46.97	-0.001	18	0.34	33.228	16	33.1	46.95	16	33.1	A0	J	14	6128	E -25 5774
40		8.9A	12 35.242	-0.0021	17	-20 11 44.18	-0.015	12	0.29	35.278	16	33.1	43.93	16	33.1	K0	J	13A	3530	A -21 2310
41		9.2R	12 38.559	0.0009	17	-29 0 52.73	-0.047	17	0.32	38.544	16	33.1	51.95	16	33.1	A5	J	13B	4905	J -28 5691
42		9.0R	12 41.802	-0.0007	17	-29 10 47.28	-0.019	17	0.32	41.814	16	33.1	46.97	16	33.1	F0	J	13B	4906	J -28 5694
43		9.4R	12 45.377	-0.0015	18	-24 31 5.94	-0.009	18	0.34	45.352	16	33.1	5.79	16	33.1	G5	M	14	6130	E -24 6681
44		9.4R	12 46.162	-0.0006	20	-23 25 17.68	0.011	20	0.37	46.171	16	33.1	17.86	16	33.1	A0	M	14	6129	E -23 7012
45		8.0A	12 48.777	-0.0001	17	-21 31 15.13	0.016	12	0.29	48.779	16	33.1	15.40	16	33.1	K0	J	13A	3532	A -21 2339
46		9.2R	12 49.615	-0.0016	18	-26 16 31.22	0.011	18	0.34	49.642	16	33.1	31.40	16	33.1	A2	J	14	6133	E -26 5745
47		9.3R	12 49.756	-0.0011	18	-23 27 23.00	0.058	18	0.34	49.775	16	33.1	23.98	16	33.1	A0	M	14	6131	E -23 7013
48		9.0R	12 51.048	-0.0002	18	-25 57 39.30	-0.016	18	0.34	51.051	16	33.1	39.02	16	33.1	G5	J	14	6135	E -25 5780
49		9.3R	12 52.527	-0.0001	18	-24 6 4.05	-0.003	18	0.34	52.529	16	33.1	3.99	16	33.1	A0	J	14	6134	E -23 7015
50		9.2A	12 52.783	-0.0012	17	-21 35 1.99	0.017	12	0.29	52.804	16	33.1	2.28	16	33.1	K2	J	13A	3533	A -21 2341
51		8.8A	8 12 53.341	-0.0006	17	-21 11 16.91	0.012	13	0.30	53.351	16	33.1	17.12	16	33.1	K0	J	13A	3534	A -20 2454
52		8.8R	12 58.039	-0.0033	20	-28 54 52.10	-0.007	17	0.34	58.096	16	33.1	51.99	16	33.1	A0	J	13B	4910	J -28 5700
53		8.0R	12 58.477	-0.0009	20	-28 17 52.79	-0.048	20	0.37	58.493	16	33.1	51.97	16	33.1	A0	J	13B	4909	J -28 5699
54		9.1R	12 59.661	0.0005	15	-26 58 51.82	-0.003	15	0.30	59.653	16	33.1	51.76	16	33.1	K5	J	14	6138	E -26 5750
55		9.2R	13 1.995	0.0031	18	-22 23 48.17	0.012	18	0.34	1.943	16	33.1	48.37	16	33.1	K0	M	14	6137	E -22 5889
56		9.1R	13 2.529	0.0008	20	-29 5 16.98	-0.018	20	0.37	2.515	16	33.1	16.69	16	33.1	K0	J	13B	4914	J -28 5704
57		9.2R	13 4.558	-0.0003	20	-23 35 34.82	-0.008	20	0.37	4.562	16	33.1	34.67	16	33.1	F5	M	14	6139	E -23 7019
58		9.4R	13 8.274	0.0018	20	-28 52 40.97	-0.048	20	0.37	8.245	16	33.1	40.17	16	33.1	F8	M	13B	4915	J -28 5706
59		9.6R	13 11.754	0.0034	18	-24 5 29.28	0.016	18	0.34	11.697	16	33.1	29.54	16	33.1	A0	J	14	6140	E -23 7022
60		9.1R	13 12.707	-0.0006	18	-24 49 21.85	-0.008	18	0.34	12.716	16	33.1	21.72	16	33.1	K0	J	14	6141	E -24 6693
61		8.3R	13 14.963	-0.0011	15	-23 29 0.80	0.017	15	0.30	14.982	16	33.1	1.09	16	33.1	A0	J	14	6142	E -23 7024
62		8.9R	13 15.441	-0.0024	20	-29 42 48.43	-0.001	20	0.37	15.482	16	33.1	48.42	16	33.1	F0	J	13B	4916	J -29 5812
63		8.7R	13 18.226	0.0026	15	-25 59 42.56	-0.016	15	0.30	18.182	16	33.1	42.28	16	33.1	K0	J	14	6143	E -25 5794
64		8.5R	13 22.150	-0.0025	20	-27 29 6.93	0.018	20	0.37	22.192	16	33.1	7.23	16	33.1	B9	J	13B	4919	J -27 5216
65		9.1R	13 29.262	0.0024	20	-29 43 46.66	-0.034	20	0.37	29.221	16	33.1	46.09	16	33.1	G5	M	13B	4921	J -29 5825
66		9.0R	13 29.429	-0.0014	18	-25 49 0.04	0.009	18	0.34	29.452	16	33.1	0.19	16	33.1	B9	J	14	6144	E -25 5797
67		9.2R	13 36.291	-0.0011	20	-26 31 28.39	0.005	20	0.37	36.310	16	33.1	28.47	16	33.1	K2	M	14	6146	E -26 5770
68		9.4R	13 36.996	0.0019	18	-24 53 19.20	0.014	18	0.34	36.964	16	33.1	19.44	16	33.1	K2	M	14	6145	E -24 6702
69		9.0R	13 39.727	-0.0015	17	-29 0 9.88	-0.006	17	0.32	39.753	16	33.1	9.79	16	33.1	A0	J	13B	4923	J -28 5723
70		9.2R	13 42.208	0.0024	15	-25 25 33.12	-0.006	15	0.30	42.167	16	33.1	33.03	16	33.1	G0	M	14	6148	E -25 5803
71		9.4R	13 42.753	-0.0013	18	-22 58 54.02	-0.010	18	0.34	42.774	16	33.1	53.85	16	33.1	A0	J	14	6147	E -22 5908
72		9.4R	13 44.672	0.0018	20	-23 49 28.61	-0.015	20	0.37	44.641	16	33.1	28.35	16	33.1	K	M	14	6149	E -23 7039
73		9.1R	13 51.555	-0.0017	17	-28 25 10.64	0.004	17	0.32	51.584	16	33.1	10.70	16	33.1	B9	J	13B	4929	J -28 5727
74		9.5R	13 54.796	0.0006	20	-23 43 1.47	-0.010	20	0.37	54.786	16	33.1	1.30	16	33.1	A3	J	14	6151	E -23 7047
75		8.8R	13 55.667	-0.0010	18	-25 4 49.65	-0.020	18	0.34	55.684	16	33.1	49.32	16	33.1	G0	J	14	6154	E -24 6708
76		8.9A	13 56.503	-0.0010	18	-21 20 49.00	-0.002	13	0.31	56.519	16	33.1	48.95	16	33.1	A0	J	13A	3540K	A -21 2348
77		9.0R	13 56.541	0.0015	18	-25 2 20.01	-0.015	18	0.34	56.516	16	33.1	19.77	16	33.1			14	6155	E -24 6709
78		9.2R	13 57.476	-0.0011	13	-22 18 29.12	0.007	13	0.28	57.495	16	33.1	29.24	16	33.1	A0	J	14	6153	E -22 5914
79		8.9R	13 59.729	-0.0030	20	-27 49 49.21	0.015	20	0.37	59.790	16	33.1	49.46	16	33.1	M2	M	13B	4934	J -27 5232
80		9.8R	14 1.029	-0.0076	20	-22 48 44.23	-0.021	20	0.37	1.158	16	33.1	43.88	16	33.1	A0	M	14	6156	E -22 5917
81		9.5R	14 4.189	-0.0036	20	-27 16 52.50	0.012	20	0.37	4.250	16	33.1	52.70	16	33.1	A0	M	13B	4938	J -27 5236
82		8.8A	14 17.356	-0.0009	18	-20 13 2.09	-0.025	13	0.31	17.372	16	33.1	1.67	16	33.1	K0	J	13A	3545	A -19 2329
83		9.5R	14 18.559	0.0010	18	-24 47 47.93	-0.026	18	0.34	18.542	16	33.1	47.49	16	33.1	A0	J	14	6158	E -24 6722
84		9.2R	14 22.072	-0.0026	17	-29 16 2.40	0.026	17	0.32	22.116	16	33.1	2.85	16	33.1	K0	M	13B	4941	J -29 5848
85		9.5R	14 24.266	-0.0004	18	-25 4 50.95	-0.009	18	0.34	24.273	16	33.1	50.81	16	33.1	F2	J	14	6160	E -24 6724
86		8.6A	14 24.474	-0.0005	18	-20 51 44.88	-0.019	13	0.31	24.482	16	33.1	44.55	16	33.1	K2	J	13A	3546	A -20 2466
87		9.5R	14 25.055	-0.0025	18	-23 49 48.17	0.059	18	0.34	25.098	16	33.1	49.16	16	33.1	G0	M	14	6159	E -23 7061
88		9.5R	14 25.174	0.0028	18	-24 45 51.98	-0.014	18	0.34	25.126	16	33.1	51.75	16	33.1	F0	J	14	6161	E -24 6725
89		9.2R	14 26.095	0.0007	15	-26 41 20.51	-0.007	15	0.30	26.084	16	33.1	20.39	16	33.1	K0	M	14	6162	E -26 5787
90		8.7R	14 27.235	-0.0007	17	-28 17 1.94	0.005	17	0.32	27.247	16	33.1	2.02	16	33.1	A0	J	13B	4942	J -28 5747
91		9.3R	14 28.045	-0.0032	20	-27 56 15.97	-0.000	20	0.37	28.099	16	33.1	15.96	16	33.1	G5	J	13B	4943	J -27 5245
92		6.7T	14 33.020	-0.0003	22	-21 43 38.56	-0.047	22	1.04	33.034	22	04.8	36.41	22	04.6	B3		GC	11279	-21 2358
93		8.8R	14 34.648	-0.0018	17	-29 53 19.58	-0.035	17	0.32	34.678	16	33.1	19.00	16	33.1	B8	J	13B	4945	J -29 5860
94		9.8R	14 35.728	0.0038	18	-24 24 50.58	0.014	18	0.34	35.663	16	33.1	50.81	16	33.1	K0	M	14	6163	E -24 6729
95		9.3R	14 40.311	0.0001	18	-25 10 55.14	0.006	18	0.34	40.309	16	33.1	55.25	16	33.1	K0	M	14	6164	E -24 6731
96		8.3R	14 40.597	0.0040	20	-27 42 38.03	-0.048	20	0.37	40.530	16	33.1	37.22	16	33.1	K0	J	13B	4946	J -27 5248
97		6.5T	14 42.047	-0.0015	17	-21 9 54.19	0.022	16	0.82	42.120	24	02.5	55.29	22	01.1	A0		GC	11286	-20 2467
98		9.6R	14 43.955	-0.0045	18	-23 51 30.58	0.010	18	0.34	44.031	16	33.1	30.74	16	33.1	K0	M	14	6166	E -23 7066
99		9.0R	14 45.920	-0.0005	18	-25 1 49.87	0.008	18	0.34	45.928	16	33.1	50.02	16	33.1	G5	J	14	6168	E -24 6734
00		9.1R	14 46.733	0.0016	18	-26 33 36.79	0.003	18	0.34	46.706	16	33.1	36.83	16	33.1	F5	J	14	6172	E -26 5797

175500			EPOCH 1950									ORIGINAL EPOCH							SP.	SOURCE		-20° 8H
NUMBER	MAGNITUDES m_{pg}	m_v	α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.		CAT.	STAR NUMBER	DM NUMBER
1		9.9A	8 14 47.898	-0.0035	20	-22 6 1.18	0.023	15	0.33	47.957	16	33.1	1.56	16	33.1	KO J	13A	3551	A -21 2360
2		9.3R	14 48.028	-0.0008	13	-22 15 4.41	0.004	13	0.28	48.042	16	33.1	4.48	16	33.1	K2 M	14	6167	E -22 5926
3		9.5R	14 49.430	-0.0006	13	-23 7 23.65	-0.002	13	0.28	48.440	16	33.1	23.62	16	33.1	A2 J	14	6169	E -22 5932
4		9.3R	14 49.782	0.0007	20	-23 54 0.46	0.048	20	0.37	49.770	16	33.1	1.26	16	33.1	A0 J	14	6171	E -23 7070
5		9.1A	14 50.887	0.0008	20	-20 24 45.38	-0.016	15	0.33	50.874	16	33.1	45.11	16	33.1	G0 J	13A	3552	A -20 2469
6		9.7R	14 51.029	-0.0032	20	-22 54 57.19	0.011	20	0.37	51.082	16	33.1	57.37	16	33.1		14	6173	E -22 5933
7		9.0R	14 51.209	-0.0011	12	-29 25 43.34	0.028	12	0.26	51.228	16	33.1	43.81	16	33.1	K2 M	13B	4947	J -29 5866
8		9.2A	14 51.744	0.0010	20	-20 32 21.37	-0.005	15	0.33	51.726	16	33.1	21.29	16	33.1	A0 J	13A	3553	A -20 2470
9		9.2R	14 51.930	-0.0003	15	-25 11 14.79	0.001	15	0.30	51.934	16	33.1	14.82	16	33.1	A0 J	14	6174	E -24 6737
10		8.7R	14 56.581	0.0034	20	-29 12 54.88	-0.040	20	0.37	56.523	16	33.1	54.21	16	33.1	K5 J	13B	4948	J -28 5762
11		9.5R	14 58.410	0.0006	18	-22 29 40.67	0.005	18	0.34	58.399	16	33.1	40.75	16	33.1	F M	14	6175	E -22 5939
12		9.1A	14 59.365	0.0017	17	-20 51 53.62	-0.039	13	0.30	59.337	16	33.1	52.97	16	33.1	G5 J	13A	3555	A -20 2471
13		8.9R	15 0.471	-0.0034	20	-27 23 33.61	0.007	20	0.37	0.527	16	33.1	33.72	16	33.1	B5 J	13B	4949	J -27 5254
14		9.0R	15 4.188	-0.0016	20	-27 18 29.11	-0.030	20	0.37	4.216	16	33.1	28.60	16	33.1	K5 M	13B	4951	J -27 5257
15		8.4R	15 6.002	0.0005	18	-23 34 45.84	0.023	18	0.34	5.993	16	33.1	46.22	16	33.1	A0 J	14	6176	E -23 7077
16		9.7R	15 11.104	0.0035	18	-24 7 19.44	-0.031	18	0.34	11.044	16	33.1	18.91	16	33.1	F8 M	14	6177	E -23 7078
17		8.5A	15 11.665	0.0003	18	-21 40 23.35	0.004	13	0.31	11.659	16	33.1	23.41	16	33.1	K5 J	13A	3556	A -21 2362
18		9.0R	15 12.654	0.0013	18	-22 44 28.97	-0.027	18	0.34	12.631	16	33.1	28.51	16	33.1	K0 M	14	6178	E -22 5940
19		9.2A	15 19.296	-0.0001	18	-20 54 42.54	0.019	13	0.31	19.296	16	33.1	42.87	16	33.1	G0 J	13A	3559	A -20 2475
20		7.2T	15 22.436	-0.0030	12	-26 8 44.88	-0.022	11	0.63	22.587	18	99.3	43.68	18	96.1	F5	GC	11307	C -25 5843
21		7.6T	15 23.670	0.0018	17	-28 58 34.25	-0.040	13	0.78	23.584	18	01.9	32.22	19	98.7	K0	GC	11308	C -28 5775
22		8.0R	15 26.438	-0.0011	18	-24 50 46.88	-0.029	18	0.34	26.457	16	33.1	46.40	16	33.1	M0 M	14	6181	E -24 6751
23		9.1R	15 28.951	-0.0021	18	-25 36 44.22	0.005	18	0.34	28.986	16	33.1	44.50	16	33.1	B8 J	14	6182	E -25 7088
24		9.2R	15 30.978	-0.0016	12	-22 31 21.02	0.009	12	0.26	31.005	16	33.1	21.17	16	33.1	A2 J	14	6183	E -22 5950
25		9.2R	15 34.888	0.0014	18	-25 12 58.35	-0.023	18	0.34	34.865	16	33.1	57.97	16	33.1	K2 M	14	6185	E -24 6754
26		9.2R	15 37.388	0.0003	18	-22 31 45.77	-0.010	18	0.34	37.362	16	33.1	45.60	16	33.1	K5 M	14	6184	E -22 5954
27		9.1R	15 37.998	-0.0006	18	-24 16 33.74	-0.007	18	0.34	38.008	16	33.1	33.61	16	33.1	G5 J	14	6186	E -24 6756
28		7.0T	15 38.004	-0.0015	15	-29 32 12.64	0.000	12	0.73	38.078	18	00.0	12.65	18	97.1	A0	GC	11315	C -29 5887
29		9.3R	15 38.079	-0.0014	18	-25 9 36.69	0.039	18	0.34	38.102	16	33.1	37.36	16	33.1	F8 J	14	6187	E -24 6758
30		8.8A	15 38.235	-0.0002	20	-21 38 32.90	-0.013	15	0.33	38.239	16	33.1	32.68	16	33.1	B9 J	13A	3562	A -21 2366
31		8.7R	15 39.600	0.0014	18	-26 58 59.03	-0.028	18	0.34	39.577	16	33.1	58.55	16	33.1	F8 J	14	6190	E -26 5816
32		9.2A	15 40.934	-0.0013	17	-20 16 18.39	0.001	12	0.29	40.957	16	33.1	18.41	16	33.1	F5 J	13A	3563	A -19 2343
33		9.2A	15 42.484	-0.0011	17	-20 46 32.32	0.005	12	0.29	42.501	16	33.1	32.39	16	33.1	K2 J	13A	3564	A -20 2477
34		9.3R	15 43.128	0.0009	18	-26 50 15.13	-0.006	18	0.34	43.114	16	33.1	15.02	16	33.1	A5 J	14	6191	E -26 5815
35		9.5R	15 43.316	0.0000	13	-22 43 0.55	0.013	13	0.28	43.315	16	33.1	0.77	16	33.1	F5 M	14	6189	E -22 5957
36		9.0R	15 44.811	-0.0029	20	-28 1 36.95	-0.005	20	0.37	44.860	16	33.1	36.86	16	33.1	K0 J	13B	4963	J -27 5270
37		8.3R	15 46.953	-0.0007	18	-25 12 17.14	-0.008	18	0.34	46.965	16	33.1	17.01	16	33.1	F5 J	14	6192	E -24 6761
38		9.2R	15 48.558	-0.0007	18	-24 58 42.24	0.011	18	0.34	48.569	16	33.1	42.43	16	33.1	A3 J	14	6193	E -24 6762
39		8.9R	15 48.628	0.0007	17	-29 27 12.50	-0.046	17	0.32	48.617	16	33.1	11.73	16	33.1	B9 J	13B	4964	J -29 5893
40		9.0A	15 52.647	0.0009	20	-20 2 6.69	-0.019	15	0.34	52.631	18	33.2	6.37	16	33.2	A0 J	12B	3566	A -19 2344
41		9.0R	15 55.205	-0.0008	20	-27 25 15.37	-0.011	20	0.37	55.219	16	33.1	15.18	16	33.1	M0 M	13B	4965	J -27 5275
42		9.1R	15 55.304	0.0001	20	-29 59 57.13	0.000	20	0.37	55.167	16	33.1	57.14	16	33.1	A2 J	13B	4968	J -29 5895
43		6.4T	15 56.229	0.0028	07	-29 50 49.08	0.011	06	0.30	56.108	10	06.3	49.60	12	03.0	K0	GC	11322	C -29 5897
44		8.7R	15 56.369	-0.0017	15	-24 8 58.03	0.008	15	0.30	56.398	16	33.1	58.16	16	33.1	K2 J	14	6194	E -23 7099
45		9.1R	15 56.654	-0.0015	20	-27 26 5.19	-0.019	20	0.37	56.679	16	33.1	4.86	16	33.1	K M	13B	4966	J -27 5276
46		7.9R	16 0.183	-0.0025	18	-23 4 28.01	0.014	18	0.34	0.225	16	33.1	28.25	16	33.1	M2 J	14	6196	E -22 5962
47		9.1R	16 1.654	-0.0036	20	-24 7 1.86	0.016	20	0.37	1.714	16	33.1	2.12	16	33.1	K0 M	14	6197	E -23 7101
48		8.6R	16 2.204	-0.0020	20	-26 50 31.12	0.010	20	0.37	2.237	16	33.1	31.28	16	33.1	A3 J	14	6196K	E -26 5827
49		8.7A	16 7.675	-0.0001	15	-20 6 55.79	-0.018	12	0.28	7.676	18	33.2	55.49	16	33.2	A2 J	12B	3568	A -19 2346
50		8.7A	16 9.474	-0.0020	20	-20 7 42.03	0.021	15	0.33	9.509	16	33.1	42.38	16	33.1	A2 J	13A	3569	A -19 2347
51		9.4R	8 16 10.220	0.0029	18	-22 16 56.43	0.005	18	0.34	10.171	16	33.1	56.51	16	33.1	F5 M	14	6199	E -22 5964
52		9.0R	16 12.716	-0.0033	20	-26 45 26.93	-0.001	20	0.37	12.771	16	33.1	26.91	16	33.1	K M	14	6202	E -26 5832
53		8.7R	16 12.720	-0.0023	20	-29 24 35.11	0.005	20	0.37	12.759	16	33.1	35.21	16	33.1	B8 J	13B	4973	J -29 5905
54		7.5T	16 13.628	0.0011	14	-26 11 13.53	-0.069	11	0.68	13.571	18	99.5	9.77	18	95.7	K5	GC	11330	C -25 5866
55		8.5R	16 14.264	0.0005	18	-24 27 33.95	0.006	18	0.34	14.256	16	33.1	34.04	16	33.1	A0 J	14	6200	E -24 6769
56		9.2R	16 17.504	0.0011	20	-28 51 5.83	-0.009	20	0.37	17.485	16	33.1	5.69	16	33.1	K0 M	13B	4976	J -28 5797
57		9.3R	16 17.801	-0.0021	20	-28 18 44.12	0.062	20	0.37	17.837	16	33.1	45.50	16	33.1	A0 M	13B	4975	J -28 5796
58		8.9R	16 19.493	-0.0016	20	-25 25 18.62	0.011	20	0.37	19.520	16	33.1	18.82	16	33.1	A2 J	14	6204K	E -25 5869
59		9.4A	16 20.940	-0.0004	20	-21 46 45.70	0.008	15	0.33	20.948	16	33.1	45.63	16	33.1	A7 J	13A	3571	A -21 2369
60		8.9R	16 21.885	-0.0000	12	-22 39 55.85	0.037	12	0.26	21.885	16	33.1	56.47	16	33.1	K7 J	14	6203	E -22 5970
61		8.6A	16 23.305	0.0009	20	-21 54 47.80	-0.008	15	0.33	23.290	16	33.1	47.66	16	33.1	G5 J	13A	3574	A -21 2370
62		8.8R	16 24.010	0.0011	12	-22 56 35.70	-0.005	12	0.26	23.991	16	33.1	35.62	16	33.1		14	6205	E -22 5971
63		9.5R	16 24.243	-0.0017	18	-22 37 10.36	0.019	18	0.34	24.272	16	33.1	10.68	16	33.1	K M	14	6206	E -22 5972
64		9.4R	16 24.328	0.0043	20	-22 58 3.67	0.032	20	0.37	24.255	16	33.1	4.21	16	33.1	A0 M	14	6207	E -22 5973
65		9.2R	16 26.156	0.0032	18	-24 4 21.30	0.016	18	0.34	26.103	16	33.1	21.56	16	33.1	K0 J	14	6208	E -23 7110
66		9.2R	16 28.368	-0.0014	20	-29 10 57.68	-0.008	20	0.37	28.391	16	33.1	57.55	16	33.1	A0 J	13B	4978	J -28 5803
67		8.7A	16 31.471	0.0004	18	-20 23 15.87	0.009	13	0.31	31.465	16	33.1	16.03	16	33.1	A0 J	13A	3575	A -20 2480
68		8.5A	16 33.091	0.0007	20	-21 25 6.15	-0.005	15	0.33	33.078	16	33.1	6.07	16	33.1	A0 J	13A	3576	A -21 2371
69		9.0R	16 34.449	-0.0008	18	-22 23 49.18	-0.020	18	0.34	34.463	16	33.1	K M	14	6209	E -22 5978
70		8.9R	16 34.823	0.0003	18	-26 28 29.73	-0.003	18	0.34	34.819	16	33.1	29.67	16	33.1	A0 J	14	6211	E -26 5841
71		9.2A	16 35.151	-0.0015	20	-20 38 36.52	0.005	15	0.33	35.176	16	33.1	36.59	16	33.1	K0 J	13A	3577	A -20 2481
72		9.4R	16 35.892	-0.0036	12	-24 37 59.05	-0.047	12	0.26	35.956	16	33.1	58.25	16	33.1	F8 M	14	6210	E -24 6778
73		8.3R	16 36.051	-0.0001	20	-27 21 24.89	-0.040	20	0.37	36.053	16	33.1	24.21	16	33.1	F0 J	13B	4980	J -27 5291
74		8.6R	16 43.442	0.0021	17	-28 47 22.62	0.009	17	0.32	43.408	16	33.1	22.78	16	33.1	A2 J	13B	4982	J -28 5809
75		9.3R	16 43.961	0.0067	20	-29 7 57.31	-0.026	20	0.37	43.848	16	33.1	56.87	16	33.1	A0 M	13B	4983	J -28 5812
76		8.2R	16 49.978	0.0002	20	-29 20 46.79	-0.052	20	0.37	49.974	16	33.1	45.92	16	33.1	K2 J	13B	4985	J -29 5927
77		8.8R	16 52.863	0.0005	17	-29 35 13.40	-0.007	17	0.32	52.855	16	33.1	13.28	16	33.1	B8 J	13B	4986	J -29 5928
78		9.1R	16 55.249	0.0003	18	-24 38 3.44	0.017	18	0.34	55.244	16	33.1	3.73	16	33.1	K M	14	6213	E -24 6785
79		9.7R	16 55.693	0.0022	20	-22 29 24.68	0.023	20	0.37	55.656	16	33.1	25.06	16	33.1	B8 M	14	6212	E -22 5988
80		8.7R	16 56.353	0.0020	20	-29 35 49.89	-0.009	20	0.37	56.319	16	33.1	49.74	16	33.1	B8 J	13B	4987	J -29 5933
81		9.2A	16 58.346	-0.0014	18	-20 9 48.72	-0.003	13	0.31	58.370	16	33.1	48.67	16	33.1	A0 J	13A	3582	A -19 2352
82		8.9R	16 58.810	0.0037	20	-29 59 46.52	0.000	20	0.37	58.748	16	33.1	46.53	16	33.1	K0 J	13B	4988	J -29 5936
83		9.4R	16 58.889	-0.0026	20	-23 20 49.74	-0.012	20	0.37	58.932	16	33.1	49.54	16	33.1	G0 M	14	6214	E -23 7119
84		8.6R	16 59.462	-0.0032	20	-26 37 8.64	0.054	20	0.37	59.516	16	33.1	9.54	16	33.1	F8 J	14	6217	E -26 5849
85		9.4R	17 0.865	-0.0011	18	-22 52 1.08	0.012	18	0.34	0.884	16	33.1	1.28	16	33.1		14	6215	E -22 5992
86		9.0A	17 2.648	-0.0011	18	-21 51 53.41	0.005	13	0.31	2.667	16	33.1	53.49	16	33.1	G0 J	13A	3584	A -21 2376
87		9.3R	17 2.748	-0.0023	22	-23 37 56.40	-0.011	22	0.41	2.787	16	33.1	56.21	16	33.1	K2 J	14	6218	E -23 7123
88		8.6R	17 6.682	-0.0008	20	-26 47 13.29	-0.008	20	0.37	8.697	16	33.1	13.18	16	33.1	B3 J	14	6222	E -26 5853
89		6.7T	17 6.715	-0.0008	13	-20 0 22.78	0.006	10	0.57	8.748	22	05.6	23.06	19	01.0	A0	GC	11351	-19 2355
90		7.7R	17 8.755	0.0006	18	-23 38 20.54	0.010	18	0.34	8.745	16	33.1	20.70	16	33.1	K5 J	14	6219	E -23 7126
91		8.4R	17 9.099	-0.0018	20	-26 38 32.02	0.014	20	0.37	9.130	16	33.1	32.25	16	33.1	K0 J	14	6223	E -26 5854
92		9.0R	17 10.925	0.0016	20	-27 41 27.30	-0.019	20	0.37	10.899	16	33.1	27.17	16	33.1	K0 J	13B	4989	J -27 5300
93		9.2R	17 11.177	0.0027	18	-22 43 14.95	-0.010	18	0.34	11.131	16	33.1	14.78	16	33.1	F5 J	14	6221	E -22 5994
94		9.0R	17 12.039	0.0003	20	-29 36 41.33	0.047	20	0.37	12.033	16	33.1	42.12	16	33.1	K0 M	13B	4990	J -29 5941
95		9.0R	17 12.421	0.0016	18	-25 4 42.12	-0.036	18	0.34	12.393	16	33.1	41.53	16	33.1	M M	14	6224	E -24 6791
96		9.2R	17 15.072	-0.0017	18	-24 30 7.12	0.021	18	0.34	15.101	16	33.1	7.48	16	33.1	F5 M	14	6225	E -24 6792
97		9.0R	17 18.152	-0.0030	22	-24 32 54.82	-0.020	22	0.41	18.202	16	33.1	54.49	16	33.1	A0 J	14	6226	E -24 6794
98		8.0A	17 19.081	0.0010	18	-21 5 52.31	0.013	13	0.31	19.064	16	33.1	52.53	16	33.1	K5 J	13A	3587	A -20 2488
99		9.5R	17 21.809	-0.0014	18	-24 2 51.09	0.029	18	0.34	21.832	16	33.1	51.57	16	33.1	A0 J	14	6229	E -23 7129
00		9.4R	17 22.075	0.0034	18	-23 12 55.68	0.034	18	0.34	22.018	16	33.1	56.25	16	33.1	G5 M	14	6227	E -22 5996

1756.0

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.		CAT.	STAR NUMBER	SOURCE
1		9.0A	8 17 23.232	0.0007	20	-22 11 22.94	-0.004	15	0.33	23.220	16	33.1	22.86	16	33.1	K2	J	13A	3588	A -21 2380
2		9.3R	17 23.458	-0.0033	20	-27 23 52.68	0.001	20	0.37	23.513	16	33.1	52.69	16	33.1	A0	J	13B	4993	J -27 5307
3		9.2R	17 30.371	-0.0036	20	-26 33 3.05	0.101	20	0.37	30.432	16	33.1	4.75	16	33.1	G0	J	14	6231	E -26 5860
4		8.2R	17 33.172	0.0008	20	-25 15 55.93	0.019	20	0.37	33.159	16	33.1	56.26	16	33.1	K5	J	14	6233	E -25 5897
5		9.6R	17 36.425	0.0030	18	-23 44 3.91	0.017	18	0.34	36.374	16	33.1	4.19	16	33.1	A0	M	14	6234	E -23 7136
6		7.5R	17 37.050	0.0008	20	-26 55 24.70	-0.010	20	0.37	37.036	16	33.1	24.52	16	33.1	K0	J	14	6236	E -26 5865
7		9.1A	17 37.187	0.0000	18	-20 41 25.10	-0.007	13	0.31	37.186	16	33.1	24.99	16	33.1	G5	J	13A	3591	A -20 2489
8		9.0R	17 37.706	0.0013	13	-28 12 9.77	-0.005	13	0.28	37.685	16	33.1	9.68	16	33.1	B8	J	13B	4997	J -27 5311
9		9.4R	17 37.795	-0.0015	18	-25 8 27.25	-0.012	18	0.34	37.820	16	33.1	27.06	16	33.1	K0	M	14	6235	E -24 6801
10		9.3R	17 40.457	-0.0035	21	-28 10 21.29	0.022	21	0.39	40.516	16	33.1	21.65	16	33.1	F0	M	13B	4998	J -27 5315
11		8.3R	17 49.097	-0.0009	20	-28 14 50.97	0.016	20	0.37	49.113	16	33.1	51.23	16	33.1	A3	J	13B	5001	J -28 5851
12		8.9A	17 52.755	-0.0029	18	-20 6 42.15	0.008	13	0.32	52.804	18	33.2	42.28	16	33.2	F0	J	12B	3592	A -19 2362
13		9.2R	17 53.075	-0.0002	18	-23 1 12.56	-0.011	16	0.34	53.078	16	33.1	12.37	16	33.1	K0	M	14	6238	E -22 6008
14		8.0R	17 53.687	0.0027	20	-29 11 20.05	0.008	20	0.37	53.642	16	33.1	20.20	16	33.1	M2	M	13B	5002	J -28 5857
15		8.8R	17 53.826	-0.0027	20	-25 19 32.27	0.020	20	0.37	53.872	16	33.1	32.62	16	33.1	A3	J	14	6241	E -25 5904
16		6.5R	17 54.830	-0.0018	18	-23 18 11.86	0.000	18	0.34	54.860	16	33.1	11.86	16	33.1	K5	J	14	6239	E -23 7143
17		8.8R	17 56.965	-0.0017	20	-26 51 48.70	0.026	20	0.37	56.994	16	33.1	49.13	16	33.1	A0	J	14	6244	E -26 5874
18		9.2R	17 59.677	0.0006	15	-24 11 34.17	0.008	15	0.30	59.662	16	33.1	34.30	16	33.1	K5	M	14	6243	E -23 7144
19		9.1R	18 0.195	0.0029	20	-25 26 29.55	0.040	20	0.37	0.146	16	33.1	30.24	16	33.1	A0	J	14	6246	E -25 5908
20		8.9R	18 0.284	0.0005	18	-24 17 36.85	0.021	18	0.34	0.276	16	33.1	37.20	16	33.1	A2	J	14	6245	E -24 6807
21		7.7R	18 0.532	-0.0022	18	-23 12 1.50	0.023	18	0.34	0.569	16	33.1	1.89	16	33.1	A0	J	14	6242	E -22 6010
22		8.6R	18 2.519	-0.0022	18	-24 6 6.21	0.015	18	0.34	2.557	16	33.1	6.46	16	33.1	M	M	14	6248	E -23 7146
23		8.6R	18 3.067	-0.0000	15	-23 37 29.49	-0.015	18	0.32	3.068	16	33.1	29.23	16	33.1	A0	J	14	6247	E -23 7145
24		8.7R	18 3.999	-0.0030	20	-27 59 29.57	-0.029	20	0.37	4.049	16	33.1	29.07	16	33.1	B8	J	13B	5004	J -27 5326
25		9.3R	18 4.519	-0.0027	20	-27 18 25.51	0.076	20	0.37	4.564	16	33.1	26.79	16	33.1	K0	M	13B	5003	J -27 5324
26		9.3R	18 7.390	-0.0019	20	-27 15 38.37	-0.054	20	0.37	7.423	16	33.1	37.45	16	33.1	A2	J	13B	5006	J -27 5327
27		9.0R	18 10.165	-0.0011	20	-27 2 9.40	0.013	20	0.37	10.185	16	33.1	9.62	16	33.1	A0	J	14	6252	E -26 5882
28		9.0R	18 10.502	0.0019	18	-24 16 29.74	-0.005	18	0.34	10.471	16	33.1	29.65	16	33.1	B8	J	14	6250	E -24 6811
29		9.2R	18 12.007	0.0002	21	-29 18 11.59	-0.051	21	0.39	12.005	16	33.1	10.74	16	33.1	K0	M	13B	5010	J -29 5972
30		8.9R	18 13.525	-0.0048	20	-26 40 48.29	0.012	20	0.37	13.606	16	33.1	48.49	16	33.1	A3	J	14	6254	E -26 5883
31		9.0R	18 15.144	0.0002	20	-22 44 44.10	0.032	20	0.37	15.141	16	33.1	44.64	16	33.1	G0	J	14	6251	E -22 6015
32		8.0R	18 15.224	-0.0002	18	-25 39 37.21	-0.010	18	0.34	15.229	16	33.1	37.04	16	33.1	F5	J	14	6255	E -25 5913
33		7.4T	18 16.051	-0.0010	12	-29 22 55.08	0.029	10	0.61	16.101	15	00.1	56.69	17	95.5	A0		GC	11376	C -29 5976
34		6.1T	18 16.796	-0.0011	15	-22 45 56.37	-0.002	14	0.77	16.851	17	98.7	56.28	17	97.8	K0		GC	11377	-22 2233
35		8.6A	18 20.274	0.0038	20	-21 34 54.35	-0.054	15	0.33	20.209	16	33.1	53.44	16	33.1	F5	J	13A	3598	A -21 2389
36		9.0R	18 21.092	0.0007	18	-25 56 59.75	0.010	18	0.34	21.080	16	33.1	59.91	16	33.1	A2	J	14	6259	E -25 5917
37		9.2R	18 22.815	-0.0005	18	-24 6 29.23	-0.004	18	0.34	22.823	16	33.1	29.15	16	33.1	B9	J	14	6258	E -23 7153
38		9.4R	18 23.357	-0.0027	20	-23 20 55.49	0.035	20	0.37	23.403	16	33.1	56.08	16	33.1	G5	M	14	6257	E -23 7151
39		9.2R	18 23.770	0.0007	20	-23 44 47.12	0.009	20	0.37	23.757	16	33.1	47.26	16	33.1	A0	J	14	6260	E -23 7152
40		8.7R	18 25.515	0.0020	13	-29 17 25.59	0.002	13	0.28	25.482	16	33.1	25.63	16	33.1	K0	M	13B	5015	J -29 5980
41		9.1R	18 28.474	-0.0009	12	-28 13 42.09	-0.015	12	0.26	28.490	16	33.1	41.83	16	33.1	A0	J	13B	5016	J -27 5338
42		8.6R	18 30.054	-0.0051	20	-26 41 35.67	0.021	20	0.37	30.140	16	33.1	36.02	16	33.1	F0	J	14	6264	E -26 5891
43		8.5R	18 31.441	-0.0033	18	-23 56 15.12	0.039	18	0.34	31.496	16	33.1	15.77	16	33.1	K0	J	14	6262	E -23 7157
44		9.4R	18 32.801	0.0008	18	-23 27 8.42	0.014	18	0.34	32.788	16	33.1	8.66	16	33.1	A2	J	14	6263	E -23 7158
45		8.4R	18 39.806	-0.0009	18	-24 58 30.77	-0.027	18	0.34	39.821	16	33.1	30.32	16	33.1	A0	J	14	6265K	E -24 6822
46		8.2R	18 43.380	-0.0012	18	-22 17 27.44	-0.030	18	0.34	43.400	16	33.1	26.92	16	33.1	A3	J	14	6266	E -22 6022
47		9.0R	18 45.586	-0.0041	20	-26 8 30.66	0.030	20	0.37	45.656	16	33.1	31.16	16	33.1	K7	M	14	6269	E -25 5926
48		9.4R	18 47.431	0.0002	20	-23 19 48.95	-0.039	20	0.37	47.428	16	33.1	48.29	16	33.1	A0	J	14	6267	E -23 7165
49		9.4R	18 48.454	-0.0001	12	-26 25 5.52	-0.005	12	0.26	48.456	16	33.1	5.43	16	33.1	K0	M	14	6271	E -26 5899
50		9.2R	18 48.488	0.0015	17	-29 24 8.30	-0.018	17	0.32	48.464	16	33.1	8.00	16	33.1	K5	M	13B	5020	J -29 5990
51		9.0R	8 18 50.505	-0.0013	20	-22 46 26.19	0.027	20	0.37	50.528	16	33.1	26.64	16	33.1	F5	M	14	6270	E -22 6025
52		9.2R	18 53.307	0.0012	18	-22 48 21.86	-0.019	18	0.34	53.287	16	33.1	21.54	16	33.1	K0	M	14	6273	E -22 6028
53		9.8R	18 53.742	0.0044	18	-22 32 3.30	0.010	18	0.34	53.668	16	33.1	3.47	16	33.1	A0	M	14	6272	E -22 6027
54		9.1R	18 55.963	0.0066	20	-28 27 50.54	-0.122	20	0.37	55.852	16	33.1	48.47	16	33.1	G5	J	13B	5022	J -28 5885
55		8.5R	18 58.411	-0.0011	17	-29 50 43.62	-0.017	17	0.32	58.430	16	33.1	43.33	16	33.1	M0	M	13B	5023	J -29 5999
56		9.0R	19 6.600	-0.0026	18	-26 10 24.02	-0.004	18	0.34	6.645	16	33.1	23.95	16	33.1	B5	J	14	6274	E -25 5940
57		9.1R	19 10.915	-0.0022	17	-28 16 33.67	0.021	17	0.32	10.952	16	33.1	34.02	16	33.1	F8	M	13B	5025	J -28 5892
58		9.4R	19 12.987	-0.0003	18	-24 39 35.83	-0.043	18	0.34	12.991	16	33.1	35.11	16	33.1	K0	M	14	6275	E -24 6835
59		8.5R	19 13.808	0.0003	15	-25 16 55.15	-0.038	15	0.30	13.803	16	33.1	54.52	16	33.1	K0	J	14	6276	E -25 5944
60		6.9A	19 17.262	-0.0038	18	-20 38 3.33	0.015	13	0.31	17.325	16	33.1	3.59	16	33.1	A0	J	13A	3609	A -20 2499
61		9.0A	19 19.270	-0.0015	18	-20 2 15.91	-0.012	13	0.32	19.296	18	33.2	15.71	16	33.2	F2	J	12B	3610	A -19 2371
62		8.9R	19 20.604	-0.0009	20	-28 24 1.09	0.035	20	0.37	20.618	16	33.1	1.67	16	33.1	A0	J	13B	5027	J -28 5900
63		8.8R	19 21.573	-0.0003	18	-23 45 34.44	0.010	18	0.34	21.577	16	33.1	34.60	16	33.1	A3	J	14	6277	E -23 7180
64		8.8R	19 22.631	-0.0040	22	-25 3 36.98	0.009	22	0.41	22.699	16	33.1	37.14	16	33.1	K0	M	14	6279	E -24 6839
65		9.3R	19 22.917	0.0003	18	-23 10 0.44	0.017	18	0.34	22.911	16	33.1	0.73	16	33.1	K0	M	14	6278	E -22 6039
66		9.1R	19 24.327	-0.0024	20	-29 8 31.78	-0.003	20	0.37	24.367	16	33.1	31.74	16	33.1	B9	J	13B	5029	J -28 5901
67		9.4R	19 24.984	0.0012	15	-25 34 37.62	0.022	15	0.30	24.965	16	33.1	37.99	16	33.1	A0	J	14	6280	E -25 5950
68		9.5R	19 27.085	0.0008	18	-24 21 56.67	-0.003	18	0.34	27.071	16	33.1	56.61	16	33.1	A0	J	14	6281	E -24 6842
69		9.3R	19 27.666	-0.0046	20	-27 19 55.53	0.015	20	0.37	27.742	16	33.1	55.78	16	33.1	A2	J	13B	5030	J -27 5360
70		9.3R	19 29.668	-0.0044	15	-24 37 56.41	0.024	15	0.30	29.742	16	33.1	56.82	16	33.1	K0	M	14	6282	E -24 6843
71		8.2A	19 30.054	-0.0022	18	-20 31 39.84	0.007	13	0.31	30.091	16	33.1	39.95	16	33.1	A3	J	13A	3612	A -20 2500
72		9.1A	19 31.265	0.0007	18	-20 15 8.79	0.010	13	0.31	31.252	16	33.1	8.96	16	33.1	K0	J	13A	3613	A -19 2374
73		9.2A	19 31.444	-0.0011	18	-21 25 31.15	-0.019	15	0.32	31.461	16	33.1	30.84	16	33.1	F5	J	13A	3614	A -21 2397
74		9.1R	19 34.267	-0.0014	20	-28 47 27.30	0.004	20	0.37	34.290	16	33.1	27.38	16	33.1	K0	M	13B	5033	J -28 5904
75		9.8R	19 39.368	0.0005	20	-22 50 4.40	0.005	20	0.37	39.359	16	33.1	4.48	16	33.1	A0	M	14	6283	E -22 6048
76		9.1R	19 41.129	-0.0057	17	-25 52 55.04	0.011	17	0.32	41.226	16	33.1	55.22	16	33.1	F8	J	14	6284	E -25 5957
77		9.2R	19 42.606	-0.0027	20	-26 0 17.60	0.045	20	0.37	42.652	16	33.1	18.36	16	33.1	A0	J	14	6285	E -25 5958
78		9.2A	19 47.148	-0.0035	18	-21 37 41.70	-0.004	13	0.31	47.207	16	33.1	41.63	16	33.1	G0	J	13A	3616	A -21 2398
79		8.8R	19 49.351	-0.0046	17	-26 20 14.15	0.020	17	0.32	49.428	16	33.1	14.48	16	33.1	K0	J	14	6287	E -26 5928
80		9.2R	19 49.462	-0.0000	20	-26 56 22.14	0.007	15	0.33	49.462	16	33.1	22.25	16	33.1	K0	M	14	6288	E -26 5927
81		9.8R	19 54.129	0.0030	18	-22 18 55.08	-0.005	18	0.34	54.078	16	33.1	54.99	16	33.1	A0	M	14	6286	E -22 6051
82		8.9R	19 56.045	-0.0030	20	-29 24 53.56	-0.012	20	0.37	56.096	16	33.1	53.36	16	33.1	B9	J	13B	5036	J -29 6022
83		8.3R	19 58.911	-0.0026	18	-23 15 8.83	0.015	18	0.34	58.955	16	33.1	9.08	16	33.1	A0	J	14	6289	E -23 7193
84		8.5A	20 0.288	-0.0016	17	-21 12 39.79	0.010	12	0.29	0.315	16	33.1	39.96	16	33.1	A2	J	13A	3618	A -20 2504
85		9.0R	20 0.935	0.0009	20	-28 49 51.36	0.008	20	0.37	0.920	16	33.1	51.51	16	33.1	F5	M	13B	5037	J -28 5915
86		9.0R	20 1.404	-0.0029	17	-26 16 46.62	0.001	20	0.34	1.452	16	33.1	46.63	16	33.1	G0	J	14	6292	E -26 5931
87		9.4R	20 1.810	-0.0040	12	-25 55 1.68	0.029	12	0.26	1.878	16	33.1	2.16	16	33.1	A2	J	14	6293	E -25 5965
88		7.1T	20 2.565	0.0005	14	-28 27 46.90	0.006	12	0.72	2.541	19	99.6	47.20	18	96.8	K0		GC	11426	C -28 5917
89		8.1R	20 3.449	-0.0024	15	-25 28 15.61	-0.007	15	0.30	3.490	16	33.1	15.50	16	33.1	M4	M	14	6294	E -25 5968
90		9.0R	20 3.589	-0.0010	21	-23 29 34.95	0.023	21	0.39	3.606	16	33.1	35.34	16	33.1	G5	M	14	6291	E -23 7195
91		8.5R	20 4.698	0.0003	20	-27 2 2.47	0.014	20	0.37	4.694	16	33.1	2.70	16	33.1	K5	J	14	6296	E -26 5933
92		8.8A	20 5.224	-0.0009	17	-20 40 18.79	-0.002	12	0.29	5.239	16	33.1	18.76	16	33.1	A0	J	13A	3620	A -20 2506
93		9.6R	20 6.868	-0.0019	20	-22 32 20.63	-0.065	20	0.37	6.900	16	33.1	19.53	16	33.1	F5	M	14	6295	E -22 6055
94		9.2A	20 7.398	0.0001	18	-22 9 5.19	0.014	13	0.31	7.397	16	33.1	5.42	16	33.1	G0	J	13A	3621	A -21 2402
95		9.2R	20 12.978	0.0012	20	-22 17 34.96	-0.001	20	0.37	12.958	16	33.1	34.93	16	33.1	K	M	14	6298	E -22 6058
96		8.4R	20 18.750	-0.0016	18	-24 37 13.16	-0.027	18	0.34	18.777	16	33.1	12.71	16	33.1	A0	J	14	6299	E -24 6857
97		9.3R	20 20.103	-0.0000	18	-25 13 54.28	0.010	18	0.34	20.104	16	33.1	54.46	16	33.1	A0	J	14	6300	E -24 6858
98		9.3A	20 21.929	-0.0018	18	-21 26 28.28	-0.022	12	0.30	21.959	16	33.1	27.90	16	33.1	A2	J	13A	3623	A -21 2404
99		8.6A	20 25.181	-0.0006	15	-21 58 18.32	0.015	11	0.27	25.191	16	33.1	18.57	16	33.1	F5	J	13A	3624K	A -21 2405
00		9.0A	20 27.143	-0.0030	18	-21 23 3.15	-0.010	13	0.31	27.193	16	33.1	2.99	16	33.1	A5	J	13A	3625	A -21 2406

-20° 8H

DM NUMBER

175700

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.		SOURCE CAT.	STAR NUMBER	-20° 8H DM NUMBER
1		8.3A	8 20 27.841	-0.0012	20	-21 58 9.61	0.017	15	0.33	27.862	16	33.1	9.90	16	33.1	F5	J	13A	3626	A -21 2407
2		9.0R	20 29.502	-0.0041	20	-28 45 26.62	0.015	20	0.37	29.571	16	33.1	26.88	16	33.1			13B	5042	J -28 5930
3		8.1B	20 30.167	0.0009	17	-28 48 50.15	-0.139	17	0.32	30.152	16	33.1	47.81	16	33.1	F5	J	13B	5044	J -28 5931
4		7.0T	20 30.246	-0.0001	16	-29 31 51.80	-0.005	18	0.85	30.250	18	01.4	51.58	21	02.6	F0		GC	11439	C -29 6041
5		9.0R	20 30.530	-0.0021	18	-23 41 45.85	0.007	18	0.34	30.565	16	33.1	45.96	16	33.1	G5	M	14	6301	E -23 7203
6		9.0R	20 31.088	-0.0008	20	-27 50 43.14	-0.023	20	0.37	31.102	16	33.1	42.75	16	33.1	F0	J	13B	5043	J -27 5385
7		8.9R	20 39.352	-0.0024	20	-27 48 45.64	0.007	20	0.37	39.393	16	33.1	45.75	16	33.1	F2	J	13B	5048	J -27 5389
8		9.5R	20 41.172	-0.0010	18	-24 14 31.94	0.011	18	0.34	41.189	16	33.1	32.12	16	33.1	F8	M	14	6302	E -24 6864
9		5.9T	20 43.062	-0.0008	05	-26 11 12.62	0.005	04	0.24	43.099	10	02.9	12.86	10	99.7	F0		GC	11443K	C*-25 5988
10		8.6A	20 43.540	0.0012	18	-20 36 4.67	-0.009	13	0.31	43.520	16	33.1	4.52	16	33.1	K0	J	13A	3627	A -20 2510
11		8.9R	20 48.419	-0.0022	20	-29 51 24.44	-0.005	20	0.37	48.456	16	33.1	24.36	16	33.1	A0	J	13B	5053	J -29 6052
12		9.1R	20 51.836	-0.0038	20	-29 48 22.55	-0.005	20	0.37	51.900	16	33.1	22.47	16	33.1	K0	M	13B	5054	J -29 6055
13		8.0R	20 56.411	-0.0014	18	-26 51 12.54	-0.014	18	0.34	56.435	16	33.1	12.30	16	33.1	A0	J	14	6304	E -26 5955
14		9.5R	20 58.981	-0.0029	18	-24 53 55.60	0.003	18	0.34	59.030	16	33.1	55.65	16	33.1	A2	J	14	6305	E -24 6871
15		9.0R	21 0.607	-0.0009	18	-24 15 53.55	0.025	18	0.34	0.621	16	33.1	53.97	16	33.1	A2	J	14	6306	E -24 6872
16		9.4R	21 1.785	0.0046	15	-24 52 35.65	-0.031	15	0.30	1.707	16	33.1	35.13	16	33.1			14	6308	E -24 6873
17		8.8A	21 3.253	-0.0007	15	-21 25 0.99	-0.022	11	0.27	3.264	16	33.1	0.61	16	33.1	K0	J	13A	3631	A -21 2410
18		9.3R	21 4.104	0.0019	15	-22 18 36.78	-0.021	15	0.30	4.072	16	33.1	36.42	16	33.1	A5	J	14	6307	E -22 6085
19		9.1R	21 5.775	-0.0028	20	-26 33 36.27	0.002	20	0.37	5.822	16	33.1	36.30	16	33.1	K0	M	14	6309	E -26 5958
20		9.0R	21 11.337	0.0002	18	-22 40 25.72	0.015	18	0.34	11.333	16	33.1	25.97	16	33.1	K2	M	14	6310	E -22 6088
21		9.3R	21 16.339	-0.0064	20	-26 29 0.68	0.018	20	0.37	16.447	16	33.1	0.98	16	33.1	F0	M	14	6311	E -26 5960
22		8.7R	21 21.140	0.0009	20	-27 15 53.65	0.009	20	0.37	21.126	16	33.1	53.80	16	33.1	K0	J	13B	5059	J -27 5405
23		8.9R	21 21.396	-0.0023	20	-25 54 27.25	0.016	20	0.37	21.436	16	33.1	27.51	16	33.1	A2	J	14	6314	E -25 6002
24		9.5R	21 21.545	-0.0012	18	-24 34 22.17	0.014	18	0.34	21.565	16	33.1	22.41	16	33.1	A0	J	14	6312	E -24 6882
25		9.4R	21 22.745	-0.0019	18	-24 31 54.73	0.013	18	0.34	22.778	16	33.1	54.94	16	33.1	A	M	14	6313	E -24 6883
26		9.2R	21 24.273	-0.0049	18	-23 57 53.77	0.006	18	0.34	24.356	16	33.1	53.86	16	33.1	F0	M	14	6315	E -23 7237
27		8.8A	21 26.108	-0.0006	18	-20 59 18.27	0.015	13	0.31	26.117	16	33.1	18.53	16	33.1	K5	J	13A	3636	A -20 2511
28		9.4R	21 26.549	-0.0021	20	-25 24 18.83	0.034	20	0.37	26.585	16	33.1	19.41	16	33.1	A3	J	14	6316	E -25 6004
29		7.1T	21 27.173	-0.0090	12	-27 39 34.85	-0.041	11	0.64	27.636	18	98.7	32.60	18	95.6	G0		GC	11461	C -27 5409
30		8.7R	21 27.682	0.0004	12	-25 16 15.53	0.016	12	0.26	27.675	16	33.1	15.81	16	33.1	F2	J	14	6319	E -25 6005
31		8.6A	21 27.915	0.0002	20	-20 54 13.19	-0.022	15	0.33	27.912	16	33.1	12.81	16	33.1	G0	J	13A	3637	A -20 2512
32		8.4R	21 28.257	-0.0015	18	-24 6 31.41	0.027	18	0.34	28.282	16	33.1	31.86	16	33.1	K5	J	14	6317	E -23 7239
33		9.1R	21 28.433	-0.0007	20	-29 38 8.21	0.013	20	0.37	28.444	16	33.1	8.43	16	33.1	K0	J	13B	5062	J -29 6071
34		9.3R	21 30.202	-0.0028	12	-24 18 16.49	0.029	12	0.26	30.249	16	33.1	16.97	16	33.1	G2	M	14	6320	E -24 6885
35		9.0A	21 30.536	-0.0030	18	-21 27 22.66	-0.007	13	0.31	30.586	16	33.1	22.53	16	33.1	F8	J	13A	3638	A -21 2413
36		9.3R	21 32.048	-0.0049	20	-26 20 39.93	0.012	20	0.37	32.131	16	33.1	40.12	16	33.1	G5	M	14	6322	E -26 5964
37		9.0R	21 34.610	-0.0018	20	-29 20 20.13	0.028	20	0.37	34.640	16	33.1	20.61	16	33.1	G5	J	13B	5065	J -29 6074
38		9.4R	21 37.613	-0.0008	18	-24 33 50.90	-0.061	18	0.34	37.626	16	33.1	49.87	16	33.1	A0	J	14	6324	E -24 6889
39		8.7A	21 41.399	0.0007	18	-21 2 18.75	0.003	13	0.31	41.387	16	33.1	18.81	16	33.1	K5	J	13A	3641	A -20 2515
40		9.0A	21 43.411	0.0009	18	-20 40 56.39	-0.004	13	0.31	43.396	16	33.1	56.33	16	33.1	K2	J	13A	3642	A -20 2516
41		8.5R	21 44.402	-0.0006	20	-27 9 54.83	0.002	20	0.37	44.412	16	33.1	54.86	16	33.1	K0	J	13B	5068	J -26 5968
42		9.1A	21 44.500	0.0001	20	-21 26 56.88	-0.017	15	0.33	44.498	16	33.1	56.58	16	33.1	K7	J	13A	3643	A -21 2415
43		6.6T	21 45.627	0.0001	10	-28 48 28.33	0.012	09	0.40	45.623	09	07.5	28.87	10	07.0	A0		GC	11470K	C*-28 5961
44		9.3R	21 45.709	0.0012	18	-26 14 26.89	-0.011	18	0.34	45.688	16	33.1	26.70	16	33.1	A0	J	14	6326	E -25 6014
45		9.5R	21 46.156	-0.0012	18	-24 16 12.33	-0.015	18	0.34	46.176	16	33.1	12.07	16	33.1	F8	M	14	6325	E -24 6893
46		8.8R	21 47.806	-0.0006	20	-26 1 49.81	0.022	20	0.37	47.815	16	33.1	50.17	16	33.1	K2	M	14	6327	E -25 6015
47		9.1R	21 49.203	-0.0034	20	-29 28 20.61	0.043	20	0.37	49.261	16	33.1	21.34	16	33.1	G5	M	13B	5070	J -29 6084
48		9.6R	21 51.492	-0.0037	20	-23 35 30.09	0.025	20	0.37	51.554	16	33.1	30.51	16	33.1	A2	M	14	6328	E -23 7250
49		9.0R	21 52.049	-0.0046	20	-28 5 50.13	-0.058	20	0.37	52.127	16	33.1	49.14	16	33.1	K0	M	13B	5072	J -27 5415
50		9.3R	21 54.221	-0.0016	20	-24 51 5.02	0.034	20	0.37	54.247	16	33.1	5.60	16	33.1	F5	M	14	6329	E -24 6897
51		9.1R	8 21 54.711	0.0001	20	-28 34 30.10	-0.020	20	0.37	54.710	16	33.1	29.77	16	33.1	K0	M	13B	5073	J -28 5964
52		9.6R	21 58.050	-0.0025	18	-24 8 19.47	0.025	18	0.34	58.093	16	33.1	19.88	16	33.1	K0	M	14	6330	E -23 7251
53		8.2R	21 59.338	-0.0054	20	-29 41 49.13	0.000	20	0.37	59.429	16	33.1	49.14	16	33.1	A5	J	13B	5075	J -29 6089
54		9.1R	22 4.316	-0.0009	20	-28 29 45.25	0.041	20	0.37	4.332	16	33.1	45.93	16	33.1	A0	J	13B	5076	J -28 5968
55		9.5R	22 5.745	0.0051	18	-22 34 47.81	-0.084	18	0.34	5.659	16	33.1	46.39	16	33.1	K0	M	14	6331	E -22 6101
56		8.6A	22 6.591	-0.0031	18	-22 12 56.88	0.016	13	0.31	6.644	16	33.1	57.15	16	33.1	F8	J	13A	3646	A -21 2417
57		8.4R	22 6.957	-0.0012	20	-29 41 20.30	0.035	20	0.37	6.977	16	33.1	20.90	16	33.1	K5	J	13B	5079	J -29 6093
58		9.1R	22 7.128	0.0005	20	-28 19 9.01	0.020	20	0.37	7.119	16	33.1	9.34	16	33.1	B9	J	13B	5077	J -28 5971
59		9.0R	22 7.183	-0.0005	20	-28 53 23.74	-0.054	20	0.37	7.192	16	33.1	22.84	16	33.1	K2	M	13B	5078	J -28 5972
60		9.6R	22 10.379	-0.0036	18	-23 16 16.57	-0.018	18	0.34	10.439	16	33.1	16.26	16	33.1	A0	M	14	6332	E -23 7258
61		9.0R	22 14.652	-0.0011	18	-22 42 49.30	0.022	18	0.34	14.670	16	33.1	49.67	16	33.1	A3	J	14	6333	E -22 6102
62		9.8R	22 18.540	-0.0026	20	-22 34 48.19	0.017	20	0.37	18.583	16	33.1	48.48	16	33.1	A0	M	14	6334	E -22 6105
63		9.6R	22 19.716	0.0034	18	-23 58 31.05	-0.045	18	0.34	19.659	16	33.1	30.28	16	33.1	F8	M	14	6336	E -23 7265
64		9.0R	22 24.195	-0.0032	20	-27 28 24.12	0.015	20	0.37	24.249	16	33.1	24.37	16	33.1	A3	J	13B	5080	J -27 5428
65		8.5R	22 24.295	-0.0017	18	-25 57 33.75	-0.004	18	0.34	24.323	16	33.1	33.68	16	33.1	K0	J	14	6338	E -25 6029
66		9.5R	22 26.027	0.0027	18	-25 49 15.89	-0.031	18	0.34	25.982	16	33.1	15.36	16	33.1	A0	M	14	6340	E -25 6030
67		9.7R	22 28.020	0.0006	20	-22 50 5.87	-0.032	20	0.37	28.009	16	33.1	5.33	16	33.1	G5	M	14	6339	E -22 6110
68		9.0R	22 29.057	-0.0027	20	-27 40 23.40	-0.003	20	0.37	29.102	16	33.1	23.34	16	33.1	A0	J	13B	5082	J -27 5429
69		9.0R	22 30.288	-0.0015	20	-27 15 42.98	0.015	20	0.37	30.313	16	33.1	43.23	16	33.1	K5	M	13B	5083	J -27 5430
70		9.5R	22 31.550	-0.0027	15	-27 2 36.16	-0.047	15	0.30	31.596	16	33.1	35.36	16	33.1	K	M	14	6342	E -26 5993
71		9.4R	22 32.078	-0.0010	18	-27 6 13.19	-0.031	18	0.34	32.094	16	33.1	12.66	16	33.1	K0	M	14	6343	E -26 5994
72		9.3R	22 33.544	-0.0018	20	-29 22 15.94	-0.025	20	0.37	33.575	16	33.1	15.53	16	33.1	A2	J	13B	5086	J -29 6107
73		9.2R	22 39.166	-0.0024	17	-29 57 15.45	0.011	17	0.32	39.207	16	33.1	15.63	16	33.1	K0	M	13B	5088	J -29 6111
74		9.4R	22 40.559	-0.0026	20	-29 38 47.89	-0.034	20	0.37	40.600	16	33.1	47.31	16	33.1	A3	J	13B	5089	J -29 6112
75		6.8T	22 42.837	-0.0044	17	-23 31 36.42	0.034	14	0.80	43.053	18	00.8	38.11	19	00.0	F2		GC	11489	C -23 7269
76		9.0R	22 44.438	-0.0035	20	-23 22 4.16	0.020	20	0.37	44.498	16	33.1	4.50	16	33.1	F5	M	14	6346	E -23 7268
77		5.6T	22 44.538	-0.0033	09	-22 59 26.09	0.038	08	0.37	44.671	12	09.2	27.70	12	07.7	A2		GC	11490	-22 2262
78		9.2R	22 45.759	-0.0026	20	-22 43 10.33	0.016	20	0.37	45.804	16	33.1	10.60	16	33.1	K5	M	14	6347	E -22 6116
79		8.9A	22 49.983	-0.0013	18	-21 18 28.18	-0.012	13	0.31	50.005	16	33.1	27.97	16	33.1	A0	J	13A	3651	A -20 2520
80		8.9A	22 51.322	0.0002	18	-21 27 59.41	0.015	13	0.31	51.318	16	33.1	59.67	16	33.1	A5	J	13A	3652	A -21 2423
81		9.3R	22 52.047	-0.0003	17	-29 9 46.52	0.021	17	0.32	52.052	16	33.1	46.68	16	33.1	A0	J	13B	5093	J -28 5990
82		9.0R	22 52.508	-0.0021	20	-29 20 59.24	-0.050	20	0.37	52.543	16	33.1	58.40	16	33.1	B9	J	13B	5094	J -29 6118
83		5.5H	22 54.134	-0.0024	02	-23 52 58.58	0.023	02	0.06	54.197	05	23.0	59.25	05	21.5	K5		F4	1221	C -23 7277
84		8.4R	22 55.283	-0.0024	18	-26 50 0.23	0.021	18	0.34	55.324	16	33.1	0.58	16	33.1	K0	J	14	6351	E -26 6003
85		9.0T	22 57.120	-0.0026	09	-23 52 57.29	0.009	07	0.45	57.248	15	00.6	57.53	14	98.2	K5		GC	11492K	C*-23 7280
86		9.3R	22 58.097	0.0003	20	-23 39 8.17	-0.003	20	0.37	58.092	16	33.1	8.11	16	33.1	A2	M	14	6350	E -23 7281
87		8.5R	23 0.103	-0.0035	20	-28 47 32.04	-0.016	20	0.37	0.162	16	33.1	31.77	16	33.1	F0	J	13B	5096	J -28 5994
88		9.1R	23 2.231	-0.0009	20	-28 24 20.74	0.025	20	0.37	2.247	16	33.1	21.16	16	33.1	A0	J	13B	5097	J -28 5995
89		9.2R	23 5.096	-0.0019	18	-26 8 6.66	-0.031	18	0.34	5.128	16	33.1	6.13	16	33.1	A0	J	14	6355	E -25 6046
90		9.1A	23 5.242	0.0022	20	-22 5 35.01	-0.010	15	0.33	5.205	16	33.1	34.84	16	33.1	G0	J	13A	3656	A -21 2425
91		8.8A	23 5.354	0.0011	18	-20 35 1.76	-0.012	13	0.31	5.335	16	33.1	1.54	16	33.1	G5	J	13A	3654	A -20 2521
92		6.0T	23 6.147	-0.0017	15	-20 52 58.19	0.057	15	0.75	6.230	24	02.4	0.95	22	02.0	F2		GC	11496	-20 2522
93		7.0T	23 6.585	0.0004	32	-21 58 37.31	0.004	35	1.47	6.568	21	05.3	37.47	18	06.3	K0		GC	11497	B*-21 2426
94		9.3R	23 11.063	-0.0045	20	-29 11 47.54	-0.013	20	0.37	11.139	16	33.1	47.33	16	33.1	A0	J	13B	5099	J -28 5998
95		8.8R	23 11.926	-0.0017	18	-24 47 46.54	-0.005	18	0.34	11.954	16	33.1	46.46	16	33.1	K0	M	14	6356	E -24 6916
96		8.8A	23 12.387	0.0022	20	-21 24 46.69	-0.022	15	0.33	12.349	16	33.1	46.31	16	33.1	G0	J	13A	3658	A -21 2427
97		9.0R	23 15.353	-0.0045	20	-27 51 10.12	0.003	20	0.37	15.430	16	33.1	10.17	16	33.1	A3	J	13B	5100	J -27 5447
98		9.0R	23 19.768	-0.0007	20	-29 50 5.67	0.003	20	0.37	19.779	16	33.1	5.73	16	33.1	B8	M	13B	5102	J -29 6132
99		9.2R	23 25.693	0.0003	18	-26 29 52.35	-0.035	18	0.34	25.689	16	33.1	51.75	16	33.1	K7	M	14	6357	E -26 6013
00		9.0R	23 27.009	-0.0001	18	-26 19 53.26	0.008	18	0.34	27.011	16	33.1	53.39	16	33.1	K2	M	14	6358	E -26 6014

175800			EPOCH 1950								ORIGINAL EPOCH							SP.		SOURCE		-20° 8H
NUMBER	MAGNITUDES m_{pg}	m_v	α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	σ'_μ ″.001	σ_{1950} ″	α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.			CAT.	STAR NUMBER	DM NUMBER
1		8.9R	8 23 28.953	-0.0024	18	-25 40 29.91	0.016	18	0.34	28.994	16	33.1	30.17	16	33.1	A3	J	14	6359	E -25 6056
2		9.0A	23 37.783	0.0007	18	-22 13 11.17	0.004	13	0.31	37.771	16	33.1	11.23	16	33.1	G	J	13A	3661	A -21 2430
3		8.9R	23 38.772	0.0010	18	-27 1 33.94	-0.031	18	0.34	38.755	16	33.1	33.41	16	33.1	M0	M	14	6363	E -26 6023
4		9.0R	23 42.369	-0.0017	18	-22 33 1.93	-0.006	18	0.34	42.397	16	33.1	1.83	16	33.1	A2	J	14	6362	E -22 6139
5		8.9R	23 44.013	-0.0004	18	-25 40 42.49	-0.015	18	0.34	44.020	16	33.1	42.23	16	33.1	K0	M	14	6365	E -25 6061
6		9.4R	23 45.774	-0.0024	20	-27 52 53.93	0.015	20	0.37	45.814	16	33.1	54.17	16	33.1	A0	M	13B	5106	J -27 5459
7		7.7T	23 46.202	0.0113	16	-29 45 44.10	-0.304	13	0.76	45.634	15	99.8	28.06	17	97.2	G5		GC	11521	C -29 6145
8		9.5R	23 47.377	0.0011	20	-22 16 43.43	-0.003	20	0.37	47.358	16	33.1	43.38	16	33.1	A0	M	14	6364	E -22 6141
9		9.3R	23 48.332	-0.0007	18	-26 16 8.11	0.020	18	0.34	48.344	16	33.1	8.44	16	33.1	G5	J	14	6370	E -26 6026
10		8.6R	23 48.927	0.0013	20	-29 54 10.01	-0.015	20	0.37	48.904	16	33.1	9.76	16	33.1	K2	M	13B	5108	J -29 6146
11		9.3R	23 49.480	-0.0009	15	-24 44 17.02	0.007	15	0.30	49.495	16	33.1	17.14	16	33.1	K7	M	14	6369	E -24 6930
12		9.6R	23 50.292	-0.0011	18	-22 25 33.93	0.030	18	0.34	50.311	16	33.1	34.44	16	33.1	G5	J	14	6367	E -22 6142
13		9.5R	23 50.927	-0.0003	13	-22 37 1.78	0.016	13	0.28	50.931	16	33.1	2.05	16	33.1	K0	M	14	6368	E -22 6143
14		8.7R	23 54.388	-0.0015	18	-27 12 2.84	-0.007	18	0.34	54.412	16	33.1	2.71	16	33.1	A0	J	13B	5111	J -26 6030
15		8.9R	23 54.459	0.0012	18	-25 34 20.09	0.033	18	0.34	54.440	16	33.1	20.64	16	33.1	A0	J	14	6371	E -25 6065
16		9.2A	23 58.867	0.0014	18	-21 21 20.57	-0.002	13	0.31	58.843	16	33.1	20.54	16	33.1	K5	J	13A	3667	A -21 2435
17		8.4R	24 1.591	-0.0048	12	-23 26 33.87	0.016	12	0.26	1.671	16	33.1	34.14	16	33.1	G5	J	14	6373	E -23 7305
18		8.4R	24 2.041	0.0014	13	-22 54 7.58	-0.019	13	0.28	2.017	16	33.1	7.26	16	33.1	K5	J	14	6372	E -22 6147
19		9.6R	24 3.312	-0.0026	15	-25 12 22.04	0.026	15	0.30	3.356	16	33.1	22.49	16	33.1	A0	M	14	6374	E -24 6935
20		9.5R	24 10.038	0.0001	18	-22 44 51.01	0.000	18	0.34	10.036	16	33.1	51.01	16	33.1	K5	M	14	6376	E -22 6148
21		6.9T	24 11.159	0.0018	14	-26 58 45.26	-0.074	17	0.79	11.067	18	00.4	41.68	21	01.9	F5		GC	11536	C*-26 6035
22		9.3R	24 12.858	-0.0035	20	-29 12 30.90	0.010	20	0.37	12.917	16	33.1	31.08	16	33.1	A0	J	13B	5114	J -28 6031
23		9.0R	24 13.231	-0.0008	20	-26 39 53.08	0.008	20	0.37	13.246	16	33.1	53.21	16	33.1	F8	M	14	6379	E -26 6034
24		9.0R	24 18.033	0.0043	20	-29 39 26.44	-0.055	20	0.37	17.961	16	33.1	25.51	16	33.1	K0	M	13B	5115	J -29 6160
25		9.0R	24 18.934	-0.0013	20	-29 10 41.74	-0.024	20	0.37	18.956	16	33.1	41.34	16	33.1	K0	M	13B	5116	J -28 6036
26		8.6A	24 19.724	0.0004	18	-21 23 51.99	-0.002	13	0.31	19.717	16	33.1	51.94	16	33.1	K0	J	13A	3671	A -21 2438
27		9.2A	24 22.664	-0.0001	18	-20 34 42.39	-0.014	13	0.31	22.666	16	33.1	42.16	16	33.1	F	J	13A	3672	A -20 2531
28		9.0R	24 23.512	-0.0001	18	-22 55 7.96	0.070	18	0.34	23.514	16	33.1	9.14	16	33.1	+++	J	14	6380	E -22 6157
29		9.1R	24 26.169	-0.0039	20	-27 40 37.76	0.004	20	0.37	26.234	16	33.1	37.82	16	33.1	A0	J	13B	5117	J -27 5470
30		9.2R	24 26.485	-0.0024	17	-29 56 2.19	0.050	17	0.32	26.526	16	33.1	3.04	16	33.1	F5	M	13B	5119	J -29 6164
31		9.3R	24 26.680	-0.0024	20	-29 51 27.25	0.002	20	0.37	26.721	16	33.1	27.28	16	33.1	A0	M	13B	5120	J -29 6163
32		8.9R	24 28.608	-0.0014	18	-25 47 0.59	0.001	18	0.34	28.631	16	33.1	0.60	16	33.1	K0	J	14	6383	E -25 6081
33		9.1R	24 30.054	-0.0009	20	-29 17 51.68	0.027	20	0.37	30.070	16	33.1	52.15	16	33.1	F5	M	13B	5123	J -29 6168
34		8.6R	24 30.810	-0.0012	18	-23 0 3.74	0.014	18	0.34	30.830	16	33.1	3.98	16	33.1	M	M	14	6382	E -22 6161
35		9.4R	24 32.528	-0.0011	12	-26 47 49.45	-0.012	12	0.26	32.546	16	33.1	49.24	16	33.1	F8	M	14	6388	E -26 6044
36		9.4R	24 33.456	0.0049	18	-22 42 14.12	-0.156	18	0.34	33.373	16	33.1	11.49	16	33.1	G0	M	14	6384	E -22 6162
37		9.5R	24 34.738	-0.0013	18	-23 18 49.31	-0.012	18	0.34	34.759	16	33.1	49.11	16	33.1	G	M	14	6385	E -23 7311
38		9.3R	24 34.802	-0.0062	20	-23 40 23.79	0.001	20	0.37	34.907	16	33.1	23.80	16	33.1	G0	M	14	6387	E -23 7312
39		9.6R	24 35.502	-0.0008	18	-22 50 54.39	-0.015	18	0.34	35.516	16	33.1	54.14	16	33.1	K0	M	14	6386	E -22 6164
40		9.2R	24 37.424	-0.0014	12	-26 44 1.60	0.012	12	0.26	37.447	16	33.1	1.80	16	33.1	K2	M	14	6393	E -26 6046
41		9.2R	24 37.646	-0.0007	15	-24 23 9.42	-0.000	15	0.30	37.658	16	33.1	9.41	16	33.1	K0	M	14	6390	E -24 6945
42		8.7R	24 38.775	-0.0007	20	-29 36 30.71	-0.001	20	0.37	38.786	16	33.1	30.69	16	33.1	K5	J	13B	5128	J -29 6175
43		9.0R	24 39.617	-0.0056	20	-29 46 26.86	0.009	20	0.37	39.711	16	33.1	27.02	16	33.1	A0	J	13B	5129	J -29 6177
44		9.4A	24 40.031	-0.0014	20	-21 27 39.09	0.005	15	0.33	40.054	16	33.1	39.16	16	33.1	F0	J	13A	3678	A -21 2439
45		8.3R	24 40.253	-0.0000	15	-23 38 34.32	0.006	15	0.30	40.254	16	33.1	34.41	16	33.1	+++	J	14	6391	E -23 7316
46		9.4R	24 41.619	0.0049	18	-22 43 16.58	-0.215	18	0.34	41.537	16	33.1	12.95	16	33.1	K5	M	14	6392	E -22 6165
47		9.3A	24 41.676	-0.0025	20	-20 32 4.09	0.015	15	0.33	41.718	16	33.1	4.35	16	33.1			13A	3679	A -20 2533
48		8.5R	24 45.215	-0.0036	18	-26 45 5.13	-0.028	18	0.34	45.276	16	33.1	4.65	16	33.1	F8	J	14	6397	E -26 6051
49		9.3R	24 45.426	0.0006	15	-25 8 20.74	-0.002	15	0.30	45.415	16	33.1	20.72	16	33.1	K0	M	14	6395	E -24 6950
50		9.5R	24 45.717	-0.0037	20	-24 35 14.66	0.022	20	0.37	45.779	16	33.1	15.03	16	33.1	F8	M	14	6394	E -24 6949
51		6.6T	8 24 47.032	-0.0007	10	-29 3 0.47	0.014	09	0.55	47.070	17	95.7	1.29	17	92.2	B9		GC	11551	C -28 6048
52		7.6R	24 48.581	-0.0043	18	-23 5 12.91	-0.011	18	0.34	48.654	16	33.1	12.72	16	33.1	F5	J	14	6396	E -22 6167
53		9.4R	24 52.043	-0.0018	12	-22 51 39.65	0.070	12	0.26	52.073	16	33.1	40.83	16	33.1	G0	M	14	6398	E -22 6169
54		8.6R	24 53.562	0.0006	18	-23 50 26.34	-0.023	18	0.34	53.552	16	33.1	25.94	16	33.1	K0	J	14	6399	E -23 7320
55		8.8R	24 55.353	-0.0046	15	-22 17 3.60	-0.000	15	0.30	55.430	16	33.1	3.60	16	33.1	G0	J	14	6400	E -22 6170
56		8.7R	24 57.879	-0.0028	20	-28 8 6.07	0.030	20	0.37	57.926	16	33.1	6.57	16	33.1	F8	J	13B	5137	J -27 5484
57		9.3R	24 59.221	-0.0011	18	-27 3 34.89	0.002	18	0.34	59.241	16	33.1	34.92	16	33.1	F2	M	14	6404	E -26 6056
58		7.2T	24 59.429	0.0011	17	-23 16 19.75	-0.006	18	0.87	59.374	18	01.3	19.47	19	01.7	K5		GC	11557	-22 2278
59		9.2R	25 2.495	-0.0022	18	-23 54 53.77	-0.020	18	0.34	2.533	16	33.1	53.43	16	33.1	K2	M	14	6403	E -23 7325
60		9.2R	25 3.558	0.0003	18	-26 14 36.61	0.007	18	0.34	3.554	16	33.1	36.72	16	33.1	K5	M	14	6405	E -25 6090
61		9.1R	25 3.819	-0.0010	20	-29 35 23.74	-0.018	20	0.37	3.836	16	33.1	23.43	16	33.1	A0	J	13B	5139	J -29 6185
62		9.3R	25 9.273	0.0014	20	-28 35 13.80	-0.008	20	0.37	9.249	16	33.1	13.67	16	33.1	A2	J	13B	5141	J -28 6058
63		9.2A	25 9.525	0.0000	17	-20 26 34.47	0.038	13	0.30	9.525	16	33.1	35.11	16	33.1			13A	3682	A -20 2534
64		9.2A	25 10.732	-0.0015	18	-20 30 45.38	0.015	13	0.31	10.756	16	33.1	45.62	16	33.1	A0	J	13A	3683	A -20 2536
65		8.5A	25 11.149	-0.0003	18	-20 49 8.56	-0.015	13	0.31	11.153	16	33.1	8.31	16	33.1	A0	J	13A	3684	A -20 2537
66		9.1A	25 11.737	-0.0012	20	-22 0 15.42	-0.001	15	0.33	11.758	16	33.1	15.40	16	33.1	F0	J	13A	3685	A -21 2444
67		9.1R	25 13.837	-0.0027	15	-26 22 36.15	0.010	18	0.32	13.883	16	33.1	36.31	16	33.1	A2	J	14	6408	E -26 6059
68		9.1R	25 14.869	0.0020	18	-24 0 39.09	-0.006	18	0.34	14.835	16	33.1	38.98	16	33.1	F0	M	14	6406	E -23 7329
69		9.3R	25 16.665	-0.0048	15	-22 14 55.28	0.028	15	0.30	16.747	16	33.1	55.74	16	33.1	K0	M	14	6407	E -22 6179
70		6.4T	25 19.817	0.0004	10	-20 40 39.76	-0.012	13	0.62	19.799	21	99.5	39.19	19	00.7	A0		GC	11570	-20 2538
71		9.1R	25 19.864	-0.0039	20	-28 32 32.79	-0.022	20	0.37	19.931	16	33.1	32.43	16	33.1	A0	J	13B	5144	J -28 6062
72		8.9R	25 21.655	-0.0002	12	-27 30 33.83	-0.019	12	0.26	21.659	16	33.1	33.50	16	33.1	A3	J	13B	5145	J -27 5493
73		9.2R	25 23.141	-0.0038	12	-27 10 49.16	-0.017	12	0.26	23.205	16	33.1	48.88	16	33.1	A0	J	14	6409	E -24 6966
74		7.9R	25 23.577	-0.0027	15	-28 7 9.19	-0.013	15	0.30	23.622	16	33.1	9.40	16	33.1	K0	J	13B	5146	J -27 5496
75		8.1R	25 24.606	-0.0019	12	-24 54 52.74	-0.041	12	0.26	24.639	16	33.1	52.05	16	33.1	A0	J	14	6410	E -24 6968
76		9.2R	25 25.629	0.0008	18	-24 15 22.15	0.004	18	0.34	25.616	16	33.1	22.21	16	33.1	G0	M	14	6411	E -24 6967
77		9.3R	25 28.736	-0.0045	18	-26 37 12.72	-0.058	18	0.34	28.811	16	33.1	11.74	16	33.1	F8	M	14	6412	E -26 6064
78		8.5R	25 30.451	-0.0024	12	-27 17 0.12	-0.012	12	0.26	30.491	16	33.1	-59.91	16	33.1	K0	J	13B	5147	J -27 5498
79		9.2R	25 36.412	-0.0015	22	-24 47 39.32	0.052	22	0.41	36.437	16	33.1	40.19	16	33.1			14	6413	E -24 6969
80		7.6T	25 37.526	-0.0033	14	-24 43 30.14	-0.022	12	0.69	37.686	19	00.8	28.98	18	97.4	K2		GC	11579	C -24 6971
81		8.9R	25 37.839	0.0007	12	-29 15 29.94	0.040	12	0.26	37.828	16	33.1	30.62	16	33.1	A2	J	13B	5149	J -29 6201
82		8.8A	25 40.917	-0.0009	18	-20 1 42.38	0.009	13	0.32	40.932	18	33.2	42.54	16	33.2	K0	J	12B	3687	A -19 2415
83		6.6T	25 46.175	-0.0044	08	-25 57 58.10	-0.006	08	0.51	46.445	14	88.2	57.70	15	86.9	A2		GC	11583	C -25 6109
84		9.4R	25 50.692	-0.0040	18	-26 2 5.82	-0.015	18	0.34	50.760	16	33.1	5.56	16	33.1	K0	M	14	6419	E -25 6111
85		9.0A	25 51.193	-0.0015	18	-20 46 12.07	-0.015	13	0.31	51.219	16	33.1	11.82	16	33.1	A2	J	13A	3688	A -20 2544
86		9.1R	25 53.902	0.0026	18	-22 35 56.73	0.004	18	0.34	53.858	16	33.1	56.80	16	33.1	A5	M	14	6418	E -22 6190
87		9.0R	25 54.412	-0.0048	15	-24 17 59.10	0.019	15	0.30	54.493	16	33.1	59.41	16	33.1	A0	J	14	6420	E -24 6982
88		9.1R	25 57.418	-0.0036	18	-23 25 21.40	0.008	18	0.34	57.479	16	33.1	21.53	16	33.1	K0	M	14	6421	E -23 7346
89		8.4R	25 59.369	0.0003	00	-26 50 5.06	0.079	18	0.27	59.365	16	33.1	6.39	16	33.1	F8	J	14	6424	E -26 6076
90		8.6R	26 0.855	-0.0024	12	-25 2 28.33	-0.016	12	0.26	0.895	16	33.1	28.07	16	33.1	K2	J	14	6423	E -24 6987
91		9.0A	26 1.595	-0.0025	18	-22 9 31.13	-0.009	13	0.31	1.637	16	33.1	30.98	16	33.1	A2	J	13A	3689	A -21 2451
92		9.2A	26 2.113	-0.0012	17	-21 45 19.21	-0.008	13	0.30	2.134	16	33.1	19.06	16	33.1	A0	J	13A	3690	A -21 2449
93		9.7R	26 2.536	-0.0003	20	-23 2 43.52	-0.048	20	0.37	2.541	16	33.1	42.71	16	33.1	A5	M	14	6422	E -22 6196
94		9.0R	26 5.370	-0.0001	12	-22 48 52.11	-0.001	12	0.26	5.372	16	33.1	52.09	16	33.1	M	M	14	6425	E -22 6197
95		9.3R	26 5.495	0.0015	18	-23 10 52.03	-0.009	18	0.34	5.470	16	33.1	51.88	16	33.1	M	M	14	6426	E -22 6199
96		7.8R	26 6.814	-0.0023	12	-27 23 52.28	0.020	12	0.26	6.853	16	33.1	52.61	16	33.1	B5	J	13B	5153	J -27 5512
97		9.0R	26 13.511	-0.0007	17	-28 16 57.36	-0.034	17	0.32	13.523	16	33.1	56.78	16	33.1	K0	M	13B	5154	J -28 6085
98		9.1R	26 17.168	0.0005	17	-29 9 44.08	0.013	17	0.32	17.160	16	33.1	44.31	16	33.1	A0	J	13B	5155	J -28 6086
99		9.1R	26 17.863	0.0034	17	-28 47 49.82	-0.010	17	0.32	17.805	16	33.1	49.66	16	33.1	G0	M	13B	5156	J -28 6087
00		8.9R	26 22.749	-0.0011	12	-26 42 37.72	-0.013	12	0.26	22.767	16	33.1	37.50	16	33.1	A0	J	14	6429	E -26 6085

175900

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	CAT.	STAR NUMBER	DM NUMBER
			EPOCH 1950							ORIGINAL EPOCH							SOURCE		-20° 8H
1		9.0R	8 26 23.672	-0.0020	17	-29 51 23.95	-0.002	17	0.32	23.706	16	33.1	23.92	16	33.1	K5 M	13B	5157	J -29 6218
2		6.4T	26 25.027	-0.0034	08	-22 54 15.15	-0.026	08	0.32	25.153	10	12.7	14.11	12	09.5	AO GC	11599		-22 2286
3		8.8R	26 25.679	-0.0041	15	-28 11 32.64	-0.013	15	0.30	25.748	16	33.1	32.41	16	33.1	AO J	13B	5158	J -27 5516
4		8.7R	26 26.812	-0.0010	17	-28 32 21.93	-0.033	17	0.32	26.829	16	33.1	21.38	16	33.1	A5 J	13B	5159	J -28 6090
5		8.9R	26 28.499	-0.0060	18	-22 30 8.88	0.004	18	0.34	28.601	16	33.1	8.95	16	33.1	AO J	14	6430	E -22 6202
6		9.6R	26 31.142	-0.0005	12	-22 39 54.36	0.030	12	0.26	31.151	16	33.1	54.87	16	33.1	AO M	14	6431	E -22 6203
7		7.7R	26 31.178	-0.0065	18	-23 39 43.09	-0.039	18	0.34	31.287	16	33.1	42.42	16	33.1	A2 J	14	6432	E -23 7355
8		9.5R	26 33.796	-0.0007	20	-23 49 35.18	0.020	20	0.37	33.808	16	33.1	35.51	16	33.1	AO M	14	6433	E -23 7357
9		9.5R	26 35.232	0.0019	18	-23 35 57.59	0.031	18	0.34	35.200	16	33.1	58.10	16	33.1	K M	14	6434	E -23 7358
10		9.1R	26 36.789	0.0008	18	-24 6 36.05	0.029	18	0.34	36.776	16	33.1	36.53	16	33.1	A5 J	14	6435	E -23 7360
11		9.1R	26 37.127	-0.0024	12	-29 4 19.54	0.003	12	0.26	37.167	16	33.1	19.60	16	33.1	B8 M	13B	5160	J -28 6094
12		6.5T	26 40.008	-0.0012	13	-20 46 57.91	-0.012	14	0.68	40.068	15	01.7	57.30	17	01.2	B8 GC	11602		-20 2549
13		9.2A	26 40.304	-0.0016	20	-21 54 56.46	-0.002	15	0.33	40.331	16	33.1	56.49	16	33.1	A3 J	13A	3697	A -21 2454
14		9.0A	26 41.787	-0.0013	18	-20 27 46.15	-0.003	12	0.30	41.808	16	33.1	46.10	16	33.1	A2 J	13A	3696	A -20 2550
15		9.5R	26 44.921	-0.0059	20	-22 22 19.53	0.026	20	0.37	45.020	16	33.1	19.97	16	33.1	K0 M	14	6436	E -22 6209
16		9.1R	26 44.968	-0.0012	15	-25 18 15.50	0.036	15	0.30	44.987	16	33.1	16.12	16	33.1	K2 M	14	6438	E -25 6134
17		9.0R	26 45.593	0.0001	20	-27 19 2.34	0.002	20	0.37	45.591	16	33.1	2.37	16	33.1	K0 M	13B	5161	J -27 5525
18		9.4R	26 45.684	-0.0036	15	-23 40 10.22	-0.013	15	0.30	45.745	16	33.1	9.99	16	33.1	G5 M	14	6437	E -23 7363
19		8.1T	26 49.250	-0.0004	17	-29 47 2.48	-0.012	13	0.78	49.268	21	01.9	1.85	19	97.2	A0 GC	11607		C -29 6224
20		8.4R	26 50.353	-0.0007	15	-25 23 56.80	-0.016	15	0.30	50.365	16	33.1	56.54	16	33.1	B9 J	14	6439K	E -25 6136
21		9.1R	26 50.540	-0.0034	17	-27 48 22.52	0.012	17	0.32	50.598	16	33.1	22.72	16	33.1	K5 M	13B	5162	J -27 5528
22		9.1A	26 51.268	0.0001	20	-22 9 50.02	-0.033	15	0.33	51.266	16	33.1	49.46	16	33.1	K7 J	13A	3699	A -21 2456
23		8.5R	26 56.666	-0.0034	17	-29 32 35.09	0.026	17	0.32	56.723	16	33.1	35.53	16	33.1	K2 J	13B	5164	J -29 6227
24		7.7T	27 0.244	-0.0014	14	-28 31 19.94	-0.026	12	0.70	0.315	15	99.9	18.56	18	95.9	B5 GC	11615		C -28 6102
25		8.6A	27 2.866	-0.0053	17	-20 52 23.80	0.015	13	0.30	2.954	16	33.1	24.04	16	33.1	F5 J	13A	3701	A -20 2553
26		7.5T	27 6.111	-0.0029	14	-28 29 52.83	0.015	12	0.73	6.261	19	99.0	53.62	18	95.8	K0 GC	11616		C -28 6106
27		9.2R	27 6.745	0.0007	12	-22 52 52.18	-0.015	12	0.26	6.732	16	33.1	51.93	16	33.1	K0 M	14	6440	E -22 6216
28		8.9R	27 6.921	-0.0039	15	-27 36 23.50	-0.008	15	0.30	6.986	16	33.1	23.36	16	33.1	B9 J	13B	5168	J -27 5534
29		9.1R	27 8.220	-0.0028	20	-29 17 57.21	0.006	20	0.37	8.268	16	33.1	57.31	16	33.1	K2 M	13B	5171	J -29 6232
30		9.1A	27 9.881	0.0007	18	-21 37 19.87	-0.041	13	0.31	9.869	16	33.1	19.18	16	33.1	K0 J	13A	3702	A -21 2459
31		9.6R	27 9.885	-0.0052	20	-22 18 11.21	0.038	20	0.37	9.973	16	33.1	11.85	16	33.1	F8 M	14	6441	E -22 6219
32		9.2R	27 10.025	0.0034	13	-29 15 19.86	-0.005	13	0.28	9.967	16	33.1	19.78	16	33.1	K2 M	13B	5172	J -28 6110
33		8.5R	27 13.819	0.0015	18	-26 45 13.09	0.018	18	0.34	13.794	16	33.1	13.39	16	33.1	K0 J	14	6445	E -26 6099
34		9.3R	27 16.300	0.0021	18	-23 10 49.09	-0.022	18	0.34	16.264	16	33.1	48.72	16	33.1	K2 M	14	6443	E -22 6220
35		9.4R	27 16.838	0.0005	20	-22 50 23.17	0.010	20	0.37	16.830	16	33.1	23.34	16	33.1	A0 M	14	6444	E -22 6221
36		9.0A	27 17.261	-0.0004	18	-20 57 37.19	-0.026	13	0.31	17.267	16	33.1	36.76	16	33.1	K2 J	13A	3704	A -20 2556
37		9.3R	27 17.342	0.0008	18	-24 10 0.60	-0.008	18	0.34	17.329	16	33.1	0.46	16	33.1	K5 M	14	6446	E -23 7378
38		8.5A	27 20.090	-0.0000	20	-21 6 46.12	0.005	15	0.33	20.090	16	33.1	46.21	16	33.1	A0 J	13A	3705	A -20 2557
39		6.5T	27 21.302	-0.0003	13	-27 9 51.73	-0.011	13	0.71	21.316	18	99.6	51.15	19	98.7	B9 GC	11624		C -26 6103
40		9.2R	27 23.552	-0.0061	18	-23 2 28.91	0.002	18	0.34	23.655	16	33.1	28.94	16	33.1	F5 M	14	6447	E -22 6223
41		8.4R	27 24.049	-0.0013	18	-25 44 46.37	-0.015	18	0.34	24.071	16	33.1	46.11	16	33.1	A3 J	14	6449	E -25 6151
42		9.2R	27 29.996	-0.0003	13	-22 53 31.72	0.005	13	0.28	30.000	16	33.1	31.80	16	33.1	A0 J	14	6450	E -22 6225
43		6.7R	27 33.319	-0.0006	18	-26 8 29.07	-0.024	18	0.34	33.330	16	33.1	28.66	16	33.1	A0 J	14	6453	E -25 6155
44		9.3R	27 35.397	-0.0046	20	-26 36 38.18	-0.001	20	0.37	35.475	16	33.1	38.16	16	33.1	F5 M	14	6455	E -26 6107
45		8.5R	27 35.452	-0.0084	18	-24 44 35.72	0.012	18	0.34	35.594	16	33.1	35.92	16	33.1	K0 J	14	6454	E -24 7018
46		9.3R	27 39.624	-0.0029	20	-27 2 43.67	-0.028	20	0.37	39.672	16	33.1	43.19	16	33.1	F5 M	14	6458	E -26 6110
47		9.2R	27 41.919	-0.0042	20	-25 38 38.18	0.072	20	0.37	41.991	16	33.1	39.39	16	33.1	F0 M	14	6460	E -25 6160
48		8.3R	27 42.320	-0.0006	18	-23 22 15.61	-0.007	18	0.34	42.329	16	33.1	15.49	16	33.1	A3 J	14	6456	E -23 7386
49		9.7R	27 42.429	-0.0027	18	-24 8 50.84	0.010	18	0.34	42.474	16	33.1	51.00	16	33.1	A0 M	14	6457	E -23 7387
50		8.9R	27 45.348	-0.0020	17	-29 31 8.88	-0.014	17	0.32	45.381	16	33.1	8.64	16	33.1	K0 M	13B	5177	J -29 6246
51		9.8R	8 27 46.424	-0.0017	20	-22 46 7.10	0.010	20	0.37	46.453	16	33.1	7.27	16	33.1	F0 M	14	6461	E -22 6235
52		9.4R	27 48.666	-0.0029	18	-24 7 3.13	-0.024	18	0.34	48.715	16	33.1	2.72	16	33.1	A M	14	6462	E -23 7392
53		9.0R	27 52.728	-0.0057	20	-26 53 3.83	-0.062	20	0.37	52.825	16	33.1	2.95	16	33.1	K2 M	14	6465	E -26 6115
54		9.6R	27 53.657	-0.0018	20	-23 40 18.33	-0.033	20	0.37	53.687	16	33.1	17.76	16	33.1	F5 M	14	6463	E -23 7394
55		8.7R	27 54.042	-0.0043	15	-24 43 1.25	0.032	15	0.30	54.114	16	33.1	1.80	16	33.1	K0 J	14	6464	E -24 7027
56		9.0R	27 55.778	-0.0001	17	-29 15 22.89	-0.010	17	0.32	55.780	16	33.1	22.73	16	33.1	K0 M	13B	5179	J -29 6250
57		8.9R	27 57.490	-0.0007	17	-28 29 28.67	0.032	17	0.32	57.502	16	33.1	29.20	16	33.1	A2 J	13B	5180	J -28 6130
58		9.2R	27 58.256	0.0000	17	-29 27 13.73	0.014	17	0.32	58.256	16	33.1	13.98	16	33.1	K2 M	13B	5182	J -29 6252
59		7.7A	27 58.295	-0.0011	17	-20 43 47.98	0.024	12	0.29	58.314	16	33.1	48.39	16	33.1	M0 J	13A	3708	A -20 2562
60		9.4R	28 2.394	-0.0019	20	-25 21 23.61	0.056	20	0.37	2.426	16	33.1	24.57	16	33.1	F5 M	14	6466	E -25 6169
61		8.3R	28 3.745	-0.0030	20	-26 53 58.92	0.063	20	0.37	3.796	16	33.1	59.98	16	33.1	F0 J	14	6467	E -26 6120
62		8.1A	28 6.300	-0.0011	18	-20 6 57.89	-0.036	13	0.32	6.318	18	33.2	57.29	16	33.2	K5 J	12B	3709	A -19 2429
63		8.7R	28 8.581	-0.0021	15	-24 15 11.42	-0.025	15	0.30	8.616	16	33.1	10.99	16	33.1	A0 J	14	6468	E -24 7029
64		9.0R	28 10.843	-0.0003	20	-22 36 52.09	-0.015	20	0.37	10.849	16	33.1	51.84	16	33.1	K7 M	14	6470	E -22 6242
65		9.4R	28 10.864	0.0001	18	-22 16 39.43	0.009	18	0.34	10.863	16	33.1	39.58	16	33.1	K0 M	14	6469	E -22 6241
66		8.3R	28 11.548	-0.0025	20	-25 52 7.83	0.111	20	0.37	11.590	16	33.1	9.70	16	33.1	G0 J	14	6471K	E -25 6174
67		8.4R	28 13.146	-0.0047	18	-25 0 10.91	-0.031	18	0.34	13.225	16	33.1	10.40	16	33.1	K2 J	14	6472	E -24 7032
68		9.0R	28 13.953	-0.0010	17	-28 32 16.31	-0.001	17	0.32	13.970	16	33.1	16.29	16	33.1	G5 M	13B	5184	J -28 6137
69		8.6R	28 16.250	-0.0003	18	-25 8 55.74	-0.023	18	0.34	16.254	16	33.1	55.36	16	33.1	K0 J	14	6473	E -24 7034
70		9.0A	28 19.684	-0.0008	17	-22 13 55.73	0.017	12	0.29	19.698	16	33.1	56.02	16	33.1	F2 J	13A	3713	A -21 2463
71		8.9R	28 20.515	-0.0015	20	-28 29 13.01	0.042	20	0.37	20.540	16	33.1	13.71	16	33.1	A2 J	13B	5187	J -28 6143
72		8.8A	28 23.263	-0.0025	18	-21 1 3.98	0.017	13	0.31	23.306	16	33.1	4.26	16	33.1	A2 J	13A	3714	A -20 2568
73		9.6R	28 25.928	-0.0011	15	-23 19 39.03	0.053	15	0.30	25.947	16	33.1	39.93	16	33.1	F8 M	14	6474	E -23 7407
74		9.7R	28 26.477	0.0001	15	-24 19 10.01	0.038	15	0.30	26.475	16	33.1	10.64	16	33.1	G5 M	14	6476	E -24 7038
75		9.1R	28 26.679	-0.0009	21	-23 49 37.77	0.050	21	0.39	26.694	16	33.1	38.61	16	33.1	A2 M	14	6475	E -23 7408
76		7.5R	28 31.093	-0.0038	20	-27 39 [illegible]	-0.021	20	0.37	31.157	16	33.1	54.25	16	33.1	F2 J	13B	5190	J -27 5563
77		8.9R	28 34.469	-0.0030	20	-28 23 49.61	0.033	20	0.37	34.520	16	33.1	50.16	16	33.1	G5 J	13B	5192	J -28 6148
78		8.6R	28 35.623	-0.0017	18	-25 9 59.68	0.008	18	0.34	35.652	16	33.1	0.02	16	33.1	A2 J	14	6477	E -24 7041
79		8.6R	28 36.048	-0.0003	20	-25 15 55.32	-0.014	20	0.37	36.052	16	33.1	55.10	16	33.1	A0 J	14	6478	E -25 6185
80		8.7R	28 38.615	-0.0051	20	-29 29 58.46	0.001	20	0.37	38.701	16	33.1	58.49	16	33.1	F0 J	13B	5193	J -29 6272
81		9.0R	28 41.733	-0.0025	20	-27 18 5.67	0.031	20	0.37	41.775	16	33.1	6.19	16	33.1	A0 J	13B	5194	J -27 5565
82		8.7R	28 45.284	-0.0000	20	-28 24 5.67	0.052	20	0.37	45.285	16	33.1	6.54	16	33.1	K0 J	13B	5195	J -28 6152
83		8.1R	28 48.719	-0.0012	20	-26 30 34.84	-0.060	20	0.37	48.740	16	33.1	33.82	16	33.1	F5 J	14	6479	E -26 6134
84		8.1A	28 50.294	-0.0018	18	-20 8 5.10	-0.003	13	0.32	50.325	18	33.2	5.06	16	33.2	A2 J	12B	3716	A -19 2431
85		9.5R	28 55.941	-0.0011	18	-24 8 15.12	-0.013	18	0.34	55.960	16	33.1	14.89	16	33.1	K5 M	14	6480	E -23 7418
86		8.3R	28 56.224	0.0026	20	-29 52 12.41	-0.058	20	0.37	56.180	16	33.1	11.43	16	33.1	G0 J	13B	5198	J -29 6283
87		9.0R	28 59.220	0.0001	18	-24 53 6.55	-0.009	18	0.34	59.218	16	33.1	6.39	16	33.1	M M	14	6482	E -24 7045
88		8.5R	29 0.196	-0.0017	18	-23 45 3.84	-0.017	18	0.34	0.224	16	33.1	3.55	16	33.1	K0 J	14	6481	E -23 7419
89		9.0R	29 0.518	-0.0037	18	-25 8 21.07	0.023	18	0.34	0.579	16	33.1	21.47	16	33.1	K2 M	14	6483	E -24 7046
90		8.9R	29 2.829	-0.0022	15	-23 52 33.33	0.027	15	0.30	2.865	16	33.1	33.78	16	33.1	K5 M	14	6484	E -23 7423
91		8.8R	29 4.406	-0.0008	20	-25 46 50.92	0.027	20	0.37	4.421	16	33.1	51.37	16	33.1	F5 J	14	6485	E -25 6195
92		9.3R	29 4.682	-0.0019	17	-27 28 52.89	0.029	17	0.32	4.715	16	33.1	53.37	16	33.1	A0 M	13B	5200	J -27 5576
93		8.9R	29 5.116	-0.0034	17	-26 27 29.30	0.040	17	0.32	5.173	16	33.1	29.97	16	33.1	G0 M	14	6486	E -26 6142
94		8.5R	29 11.244	-0.0024	20	-28 15 9.55	-0.068	20	0.37	11.285	16	33.1	8.40	16	33.1	K0 M	13B	5204	J -27 5577
95		9.0A	29 13.271	-0.0013	20	-20 10 36.83	-0.008	15	0.34	13.293	18	33.2	36.69	16	33.2	G5 J	12B	3722	A -19 2437
96		7.8T	29 19.018	0.0016	22	-20 54 33.65	-0.090	26	1.12	18.948	27	05.3	29.53	24	04.5	G5 GC	11680		-20 2574
97		9.2R	29 19.210	0.0020	18	-25 55 33.95	0.023	18	0.34	19.177	16	33.1	34.33	16	33.1	F8 M	14	6487	E -25 6199
98		9.0R	29 21.504	-0.0025	20	-28 33 25.00	0.017	20	0.37	21.546	16	33.1	25.30	16	33.1	F5 M	13B	5206	J -28 6164
99		9.0R	29 22.230	-0.0036	18	-24 37 9.07	0.016	18	0.34	22.290	16	33.1	9.34	16	33.1	M M	14	6489	E -24 7051
00		9.0R	29 25.263	-0.0019	20	-28 53 20.13	-0.041	20	0.37	25.295	16	33.1	19.45	16	33.1	A2 J	13B	5207	J -28 6166

176000

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	EPOCH 1950 μ s	EPOCH 1950 σ_μ .001	EPOCH 1950 δ_{1950} ° ′ ″	EPOCH 1950 μ' ″	EPOCH 1950 $\sigma_{\mu'}$ .001	EPOCH 1950 σ_{1950} ″	ORIGINAL EPOCH α_2 s	ORIGINAL EPOCH σ .01	ORIGINAL EPOCH ep.	ORIGINAL EPOCH δ_2 ″	ORIGINAL EPOCH σ' .01	ORIGINAL EPOCH ep.	SP.		SOURCE CAT.	SOURCE STAR NUMBER	-20° 8H DM NUMBER
1		8.4R	8 29 25.454	-0.0050	20	-25 37 36.42	0.024	20	0.37	25.538	16	33.1	36.82	16	33.1	K2	J	14	6492	E -25 6200
2		9.3R	29 25.484	-0.0021	20	-22 57 41.85	-0.004	20	0.37	25.520	16	33.1	41.78	16	33.1	K	M	14	6490	E -22 6268
3		9.5R	29 26.509	0.0023	20	-22 52 15.18	0.004	20	0.37	26.469	16	33.1	15.25	16	33.1	K	M	14	6491	E -22 6269
4		9.8R	29 29.357	-0.0011	18	-24 59 35.84	-0.023	18	0.34	29.376	16	33.1	35.45	16	33.1	F5	M	14	6494	E -24 7053
5		7.7R	29 29.412	-0.0024	18	-23 22 6.73	-0.022	18	0.34	29.453	16	33.1	6.36	16	33.1	A0	J	14	6493	E -23 7428
6		8.8R	29 30.793	-0.0009	20	-25 19 59.84	-0.027	20	0.37	30.807	16	33.1	59.39	16	33.1	B9	J	14	6497	E -25 6203
7		8.5R	29 31.036	-0.0113	20	-25 26 16.64	0.072	20	0.37	31.227	16	33.1	17.87	16	33.1	K2	J	14	6498	E -25 6204
8		8.0R	29 31.823	-0.0027	20	-25 50 46.11	-0.008	20	0.37	31.869	16	33.1	45.97	16	33.1	A0	J	14	6499K	E -25 6205
9		9.0R	29 31.875	-0.0014	20	-27 35 32.18	-0.015	20	0.37	31.900	16	33.1	31.92	16	33.1	K2	M	13B	5208	J -27 5582
10		9.4R	29 32.363	0.0008	18	-22 59 25.12	0.004	18	0.34	32.349	16	33.1	25.19	16	33.1	F8	J	14	6496	E -22 6274
11		9.4R	29 32.889	-0.0009	18	-26 15 27.28	-0.011	18	0.34	32.904	16	33.1	27.09	16	33.1	A0	J	14	6500	E -26 6151
12		9.2R	29 34.854	-0.0037	20	-25 32 9.51	0.040	20	0.37	34.917	16	33.1	10.18	16	33.1	A0	M	14	6501	E -25 6207
13		9.1A	29 37.004	-0.0003	18	-20 3 56.70	0.009	13	0.32	37.009	18	33.2	56.85	16	33.2	A3	J	12B	3727	A -19 2441
14		8.7R	29 40.458	0.0003	20	-27 45 24.59	-0.029	20	0.37	40.453	16	33.1	24.09	16	33.1	A0	J	13B	5209	J -27 5586
15		9.0R	29 41.126	-0.0032	20	-27 16 6.61	0.019	20	0.37	41.180	16	33.1	6.92	16	33.1	F8	M	13B	5210	J -27 5587
16		9.0R	29 42.375	-0.0024	20	-28 51 30.28	0.017	20	0.37	42.416	16	33.1	30.57	16	33.1	F5	M	13B	5212	J -28 6172
17		8.7A	29 46.461	-0.0014	20	-20 37 56.48	-0.010	15	0.33	46.484	16	33.1	56.32	16	33.1	K0	J	13A	3729	A -20 2579
18		9.5R	29 47.523	-0.0022	18	-23 35 22.07	0.037	18	0.34	47.559	16	33.1	22.68	16	33.1	A0	M	14	6502	E -23 7433
19		9.0R	29 47.964	0.0001	20	-26 51 31.20	0.023	20	0.37	47.962	16	33.1	31.58	16	33.1	M	M	14	6503	E*-26 6156
20		8.0R	29 48.983	-0.0027	20	-26 31 59.47	0.049	20	0.37	49.029	16	33.1	0.29	16	33.1	B9	J	14	6504	E -26 6157
21		9.6R	29 49.175	-0.0052	13	-28 28 8.14	0.042	13	0.28	49.264	16	33.1	8.84	16	33.1	G0	M	13B	5214	J -28 6175
22		9.3R	29 50.402	-0.0040	20	-29 23 23.78	0.069	20	0.37	50.471	16	33.1	24.95	16	33.1	F0	M	13B	5215	J -29 6313
23		8.9A	29 51.996	-0.0023	18	-21 24 49.59	0.019	15	0.32	52.034	16	33.1	49.92	16	33.1	K5	J	13A	3730	A -21 2471
24		9.0R	29 52.374	-0.0001	18	-25 31 26.52	-0.023	18	0.34	52.376	16	33.1	26.13	16	33.1	A3	J	14	6505	E -25 6211
25		9.2A	29 54.375	-0.0006	18	-20 52 35.91	0.029	13	0.31	54.384	16	33.1	36.39	16	33.1	A7	J	13A	3733	A -20 2581
26		7.4T	29 57.792	0.0011	16	-29 11 55.93	-0.164	13	0.77	57.737	17	00.2	47.27	18	97.1	K0		GC	11691	C -28 6181
27		8.2R	29 58.532	-0.0046	20	-27 19 23.10	-0.022	20	0.37	58.609	16	33.1	22.72	16	33.1	B9	J	13B	5218	J -27 5592
28		9.1A	30 0.207	-0.0008	18	-20 34 11.08	-0.029	13	0.31	0.221	16	33.1	10.59	16	33.1			13A	3735	A -20 2583
29		9.1R	30 2.313	0.0000	20	-29 39 53.22	-0.021	20	0.37	2.313	16	33.1	52.86	16	33.1	F0	M	13B	5221	J -29 6323
30		9.5R	30 2.769	-0.0060	20	-26 10 47.53	0.026	20	0.37	2.871	16	33.1	47.96	16	33.1	G	M	14	6508	E -25 6213
31		9.2R	30 3.199	-0.0053	20	-29 8 38.09	0.031	20	0.37	3.288	16	33.1	38.62	16	33.1	G5	M	13B	5222	J -28 6184
32		8.8R	30 4.535	-0.0048	12	-24 35 12.22	0.002	12	0.26	4.616	16	33.1	12.26	16	33.1	A5	J	14	6507	E -24 7068
33		9.1R	30 11.238	-0.0016	20	-27 19 26.28	-0.000	20	0.37	11.265	16	33.1	26.27	16	33.1	A0	J	13B	5224	J -27 5597
34		9.0R	30 12.982	-0.0028	20	-29 59 54.87	-0.026	20	0.37	13.029	16	33.1	54.43	16	33.1	K5	M	13B	5225	J -29 6327
35		9.1R	30 14.790	0.0011	18	-24 54 34.68	0.006	18	0.34	14.771	16	33.1	34.78	16	33.1	G5	M	14	6509	E -24 7074
36		9.0R	30 15.622	-0.0006	15	-26 41 45.69	0.014	15	0.30	15.632	16	33.1	45.92	16	33.1	G5	M	14	6512	E -26 6167
37		9.0A	30 15.794	0.0000	18	-20 24 28.08	0.023	13	0.31	15.793	16	33.1	28.46	16	38.1	K5	J	13A	3736	A -20 2584
38		9.1R	30 16.064	-0.0011	18	-24 23 2.67	0.011	18	0.34	16.082	16	33.1	2.86	16	33.1	F5	J	14	6510	E -24 7073
39		9.2R	30 16.607	-0.0020	18	-25 11 54.89	0.011	18	0.34	16.640	16	33.1	55.08	16	33.1	K	M	14	6511	E -24 7076
40		9.1A	30 17.414	-0.0067	18	-21 8 57.71	0.015	13	0.31	17.526	16	33.1	57.96	16	33.1	G0	J	13A	3737	A -20 2585
41		9.2R	30 19.385	-0.0014	20	-26 29 25.71	-0.025	20	0.37	19.408	16	33.1	25.28	16	33.1	F5	M	14	6514	E -26 6168
42		9.2R	30 22.796	0.0021	15	-27 15 50.53	0.007	15	0.30	22.760	16	33.1	50.64	16	33.1	A0	J	13B	5226	J -27 5601
43		9.0R	30 23.186	-0.0032	20	-26 23 35.14	-0.018	20	0.37	23.241	16	33.1	34.83	16	33.1	A2	M	14	6515	E -26 6169
44		9.1A	30 28.695	-0.0033	18	-20 6 37.52	0.048	13	0.32	28.751	18	33.2	38.32	16	33.2	K0	J	12B	3739	A -19 2449
45		9.2R	30 29.031	0.0010	17	-28 48 31.06	-0.008	17	0.32	29.014	16	33.1	30.93	16	33.1	K0	M	13B	5227	J -28 6198
46		8.4R	30 32.016	0.0004	18	-22 38 56.35	0.008	18	0.34	32.008	16	33.1	56.48	16	33.1	K0	J	14	6516	E -22 6296
47		8.8R	30 33.701	0.0036	15	-24 8 21.27	0.010	15	0.30	33.641	16	33.1	21.44	16	33.1	F5	J	14	6518	E -23 7449
48		9.6R	30 34.205	0.0015	17	-28 41 43.76	0.004	17	0.32	34.181	16	33.1	43.84	16	33.1	K0	M	13B	5229	J -28 6199
49		9.3R	30 38.007	-0.0059	20	-29 38 12.49	0.031	20	0.37	38.107	16	33.1	13.01	16	33.1	K0	M	13B	5230	J -29 6339
50		9.5R	30 38.079	-0.0042	18	-24 2 33.44	0.008	18	0.34	38.151	16	33.1	33.58	16	33.1	A0	J	14	6519	E -23 7452
51		8.8R	8 30 41.927	-0.0004	18	-23 2 22.36	0.034	18	0.34	41.934	16	33.1	22.93	16	33.1	K2	J	14	6520	E -22 6302
52		9.0R	30 42.535	-0.0007	17	-28 42 45.09	0.009	17	0.32	42.546	16	33.1	45.25	16	33.1	B9	J	13B	5231	J -28 6203
53		9.2R	30 42.773	-0.0021	20	-25 31 56.01	0.025	20	0.37	42.809	16	33.1	56.42	16	33.1	F8	M	14	6523	E -25 6231
54		8.8R	30 42.900	-0.0035	18	-22 43 4.53	0.006	18	0.34	42.958	16	33.1	4.63	16	33.1	A0	J	14	6521	E -22 6303
55		8.3R	30 43.029	0.0012	17	-28 41 5.76	-0.007	17	0.32	43.010	16	33.1	5.65	16	33.1	G5	J	13B	5233	J -28 6204
56		9.3R	30 46.092	-0.0007	20	-28 10 52.53	-0.032	20	0.37	46.104	16	33.1	51.98	16	33.1			13B	5234	J -27 5611
57		9.3R	30 46.785	-0.0037	20	-26 15 57.87	-0.004	20	0.37	46.847	16	33.1	57.80	16	33.1	K5	M	14	6525	E -26 6174
58		8.8A	30 47.035	0.0014	18	-21 34 27.37	0.011	13	0.31	47.012	16	33.1	27.55	16	33.1	K5	J	13A	3744	A -21 2476
59		9.5R	30 47.708	0.0005	18	-23 53 23.15	0.005	18	0.34	47.699	16	33.1	23.24	16	33.1	K0	M	14	6524	E -23 7454
60		8.7R	30 54.241	-0.0009	18	-23 27 12.18	-0.003	18	0.34	54.255	16	33.1	12.12	16	33.1	K0	M	14	6527	E -23 7460
61		6.1T	30 55.126	-0.0008	13	-24 26 5.35	-0.019	12	0.68	55.167	17	97.6	4.33	18	95.8	A5		GC	11724K	C*-24 7089
62		9.2A	30 55.698	-0.0016	18	-20 37 9.22	-0.021	15	0.32	55.725	16	33.1	8.86	16	33.1	F0	J	13A	3745	A -20 2586
63		8.2A	30 57.506	0.0011	18	-22 9 23.58	-0.003	13	0.31	57.488	16	33.1	23.53	16	33.1	K2	J	13A	3746	A -21 2477
64		8.6R	31 0.641	-0.0015	17	-29 48 14.85	0.015	17	0.32	0.666	16	33.1	15.10	16	33.1	A0	J	13B	5236	J -29 6347
65		9.0R	31 1.981	0.0015	20	-25 52 1.88	0.026	20	0.37	1.955	16	33.1	2.31	16	33.1	A3	J	14	6531	E -25 6236
66		9.1R	31 2.002	0.0018	17	-28 22 2.19	0.009	17	0.32	1.972	16	33.1	2.33	16	33.1	A0	M	13B	5235	J -28 6209
67		8.5R	31 2.728	-0.0000	17	-28 27 7.68	0.028	17	0.32	2.729	16	33.1	8.14	16	33.1	K0	J	13B	5238	J -28 6212
68		8.9R	31 3.689	-0.0018	15	-23 53 32.54	-0.003	15	0.30	3.718	16	33.1	32.49	16	33.1	A0	J	14	6530	E -23 7462
69		8.5R	31 4.136	0.0030	18	-22 17 19.27	0.018	18	0.34	4.086	16	33.1	19.57	16	33.1	A2	J	14	6529	E -22 6309
70		8.3R	31 7.656	-0.0008	17	-29 13 27.80	0.014	17	0.32	7.670	16	33.1	28.04	16	33.1	A2	J	13B	5240	J -28 6215
71		9.3R	31 8.333	0.0008	20	-28 42 30.28	0.035	20	0.37	8.318	16	33.1	30.87	16	33.1	A2	M	13B	5241	J -28 6214
72		8.5R	31 8.651	-0.0029	15	-26 0 51.33	0.011	15	0.30	8.700	16	33.1	51.51	16	33.1	K0	J	14	6534	E -25 6238
73		9.4R	31 9.426	-0.0008	18	-23 37 44.88	0.019	18	0.34	9.439	16	33.1	45.20	16	33.1	F	M	14	6533	E -23 7465
74		8.5R	31 10.846	-0.0041	18	-24 0 45.70	-0.019	18	0.34	10.915	16	33.1	45.38	16	33.1	F0	J	14	6535	E -23 7466
75		8.3R	31 12.016	-0.0020	17	-29 47 7.08	-0.001	17	0.32	12.049	16	33.1	7.06	16	33.1	G5	J	13B	5243	J -29 6352
76		9.1R	31 16.416	-0.0028	18	-23 1 40.63	0.034	18	0.34	16.462	16	33.1	41.20	16	33.1	A3	J	14	6536	E -22 6313
77		9.6R	31 22.860	0.0055	18	-25 15 29.14	-0.012	18	0.34	22.768	16	33.1	28.95	16	33.1	A0	M	14	6537	E -24 7099
78		8.1R	31 29.875	-0.0002	12	-25 34 21.26	-0.020	12	0.26	29.878	16	33.1	20.92	16	33.1	K0	J	14	6538	E -25 6247
79		9.1R	31 33.514	-0.0023	15	-27 38 40.35	0.015	15	0.30	33.554	16	33.1	40.60	16	33.1	M0	M	13B	5245	J -27 5630
80		7.3R	31 35.868	-0.0206	18	-23 11 8.21	0.182	18	0.34	36.215	16	33.1	11.27	16	33.1	G5	J	14	6539	E -22 6319
81		8.9R	31 38.223	-0.0005	20	-27 57 45.53	-0.010	20	0.37	38.231	16	33.1	45.37	16	33.1	A0	J	13B	5249	J -27 5635
82		9.0R	31 40.328	-0.0015	18	-22 42 46.41	0.020	18	0.34	40.353	16	33.1	46.74	16	33.1	A0	J	14	6540	E -22 6320
83		9.4R	31 41.038	-0.0005	18	-25 57 2.99	-0.036	18	0.34	41.048	16	33.1	2.38	16	33.1	F8	M	14	6542	E -25 6251
84		9.6R	31 41.114	-0.0056	15	-22 57 20.63	-0.010	15	0.30	41.208	16	33.1	20.45	16	33.1	A0	M	14	6541	E -22 6321
85		8.4A	31 43.223	-0.0026	20	-21 51 42.30	0.010	15	0.33	43.266	16	33.1	42.47	16	33.1	A2	J	13A	3754	A -21 2486
86		9.6R	31 48.239	0.0022	18	-23 31 26.44	-0.009	15	0.32	48.202	16	33.1	26.29	16	33.1	A0	M	14	6543	E -23 7476
87		8.8R	31 48.389	0.0020	18	-24 15 10.84	-0.010	18	0.34	48.354	16	33.1	10.67	16	33.1	K0	M	14	6544	E -23 7477
88		9.3A	31 51.960	-0.0004	15	-21 20 36.08	0.005	11	0.27	51.966	16	33.1	36.16	16	33.1	K2	J	13A	3755	A -21 2487
89		7.0T	31 52.362	-0.0012	13	-24 55 36.64	0.013	13	0.71	52.425	18	99.5	37.35	18	97.5	A2		GC	11750	C*-24 7110
90		8.3A	31 57.736	0.0010	18	-20 35 40.07	0.000	13	0.31	57.720	16	33.1	40.07	16	33.1	A0	J	13A	3756	A -20 2588
91		9.5R	31 57.829	-0.0043	12	-24 39 4.44	0.034	12	0.26	57.902	16	33.1	5.00	16	33.1	B8	M	14	6547	E -24 7111
92		9.4R	32 9.278	0.0028	18	-23 56 53.08	-0.032	18	0.34	9.230	16	33.1	52.54	16	33.1	A0	M	14	6548	E -23 7488
93		9.4R	32 9.580	0.0030	15	-26 1 32.51	-0.048	15	0.30	9.529	16	33.1	31.69	16	33.1	F2	M	14	6549	E -25 6265
94		9.0R	32 10.627	0.0004	17	-29 59 59.70	-0.016	17	0.32	10.620	16	33.1	59.43	16	33.1	B8	J	13B	5263	J -29 6400
95		8.4A	32 11.943	-0.0009	18	-21 1 47.90	-0.048	13	0.31	11.957	16	33.1	47.09	16	33.1	F2	J	13A	3758	A -20 2593
96		8.6R	32 13.951	0.0001	20	-27 52 46.68	-0.032	20	0.37	13.949	16	33.1	46.15	16	33.1	G5	J	13B	5264	J -27 5647
97		8.7R	32 15.183	-0.0019	17	-28 26 34.64	0.015	17	0.32	15.216	16	33.1	34.88	16	33.1	B9	J	13B	5265	J -28 6244
98		8.1R	32 15.250	-0.0037	18	-23 39 13.71	-0.061	18	0.34	15.313	16	33.1	12.68	16	33.1	A5	J	14	6550	E -23 7490
99		9.4R	32 17.524	-0.0012	22	-24 51 5.58	0.005	22	0.41	17.545	16	33.1	5.65	16	33.1	A0	M	14	6551	E -24 7122
00		9.6R	32 21.296	0.0049	18	-23 49 57.88	-0.019	18	0.34	21.212	16	33.1	57.56	16	33.1	A0	M	14	6552	E -23 7493

176100

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	EPOCH 1950 μ s	EPOCH 1950 σ_μ ″.001	EPOCH 1950 δ_{1950} ° ′ ″	EPOCH 1950 μ' ″	EPOCH 1950 σ'_μ ″.001	EPOCH 1950 σ_{1950} ″	ORIGINAL EPOCH α_2 s	ORIGINAL EPOCH σ ″.01	ORIGINAL EPOCH ep.	ORIGINAL EPOCH δ_2 ″	ORIGINAL EPOCH σ' ″.01	ORIGINAL EPOCH ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	-20° 8H DM NUMBER
1		8.9R	8 32 22.165	-0.0018	20	-27 18 14.94	-0.022	20	0.37	22.196	16	33.1	14.58	16	33.1	G5 M	13B	5266	J -27 5649
2		9.0A	32 22.425	-0.0009	20	-20 29 49.17	-0.012	15	0.33	22.440	16	33.1	48.96	16	33.1	K0 J	13A	3759	A -20 2595
3		6.6T	32 22.729	-0.0050	12	-26 55 32.45	0.009	11	0.64	22.997	17	96.1	32.94	15	92.7	K2	GC	11760	C -26 6200
4		8.3R	32 22.960	-0.0004	17	-28 54 51.70	-0.007	17	0.32	22.966	16	33.1	51.59	16	33.1	K0 J	13B	5269	J -28 6245
5		9.0A	32 23.580	-0.0004	18	-21 13 26.80	-0.004	13	0.31	23.587	16	33.1	26.73	16	33.1	G5 J	13A	3760	A -20 2597
6		9.6R	32 24.431	-0.0015	20	-23 9 13.21	-0.003	20	0.37	24.455	16	33.1	13.15	16	33.1	A5 M	14	6553	E -22 6338
7		9.2R	32 27.671	0.0048	18	-23 46 26.37	0.044	18	0.34	27.590	16	33.1	27.12	16	33.1	G0 M	14	6555	E -23 7484
8		9.0R	32 28.560	-0.0068	17	-29 15 42.29	0.107	17	0.32	28.674	16	33.1	44.11	16	33.1	F8 J	13B	5270	J -29 6408
9		9.0R	32 30.078	0.0005	20	-29 47 40.36	0.015	20	0.37	30.070	16	33.1	40.61	16	33.1	K2 J	13B	5271	J -29 6410
10		9.4R	32 31.464	-0.0032	20	-23 21 7.82	0.009	20	0.37	31.518	16	33.1	7.96	16	33.1	G5 M	14	6556	E -23 7496
11		8.5A	32 32.823	-0.0000	18	-20 23 14.55	0.005	13	0.31	32.824	16	33.1	14.62	16	33.1	K0 J	13A	3765	A -20 2598
12		8.7R	32 34.231	-0.0030	18	-23 13 37.49	-0.010	18	0.34	34.281	16	33.1	37.31	16	33.1	K0 J	14	6557	E -22 6341
13		8.9A	32 36.940	-0.0007	20	-21 7 58.24	0.029	15	0.33	36.951	16	33.1	58.73	16	33.1	A2 J	13A	3766	A -20 2599
14		8.9R	32 38.539	0.0014	17	-29 9 19.38	-0.002	17	0.32	38.515	16	33.1	19.35	16	33.1	F2 J	13B	5274	J -29 6249
15		9.0R	32 43.313	-0.0027	12	-28 37 53.10	-0.012	12	0.26	43.358	16	33.1	52.90	16	33.1	F8 J	13B	5275	J -28 6251
16		8.6R	32 43.563	-0.0014	15	-26 19 23.44	0.017	15	0.30	43.587	16	33.1	23.72	16	33.1	A0 J	14	6558	E -26 6208
17		9.2R	32 46.270	-0.0000	12	-26 30 11.99	-0.012	12	0.26	46.270	16	33.1	11.78	16	33.1	K0 M	14	6560	E -26 6211
18		9.1A	32 48.174	-0.0007	18	-22 3 9.48	0.000	13	0.31	48.186	16	33.1	9.48	16	33.1	G J	13A	3771	A -21 2495
19		9.1R	32 48.847	-0.0018	18	-24 3 26.55	-0.014	18	0.34	48.878	16	33.1	26.32	16	33.1	K0 M	14	6559	E -23 7505
20		9.1R	32 53.064	-0.0018	18	-23 7 29.74	-0.008	18	0.34	53.094	16	33.1	29.60	16	33.1	K0 J	14	6561	E -22 6352
21		7.5T	32 53.143	0.0040	20	-22 4 50.43	-0.047	16	0.87	52.954	19	02.8	48.16	19	01.6	K0	GC	11771	-21 2498
22		8.5R	32 55.742	-0.0005	15	-27 49 23.47	0.004	15	0.30	55.751	16	33.1	23.53	16	33.1	M0 M	13B	5276	J -27 5662
23		9.4R	32 56.536	-0.0017	18	-24 5 31.75	0.050	18	0.34	56.564	16	33.1	32.59	16	33.1	F8 M	14	6563	E -23 7507
24		8.3R	33 0.418	-0.0040	17	-28 43 35.77	-0.009	17	0.32	0.485	16	33.1	35.62	16	33.1	B9 J	13B	5279	J -28 6257
25		9.1R	33 6.895	-0.0007	15	-27 41 51.43	0.001	15	0.30	6.907	16	33.1	51.44	16	33.1	K0 M	13B	5280	J -27 5664
26		8.6R	33 8.551	0.0016	18	-23 16 52.84	0.002	18	0.34	8.524	16	33.1	52.87	16	33.1	K2 J	14	6564	E -23 7510
27		8.6A	33 14.522	-0.0004	18	-20 10 48.65	-0.015	13	0.32	14.530	18	33.2	48.39	16	33.2	F2 J	12B	3777	A -19 2467
28		9.5R	33 14.732	0.0001	18	-26 48 27.95	0.022	18	0.34	14.729	16	33.1	28.32	16	33.1	F8 M	14	6566	E -26 6222
29		9.4R	33 16.157	0.0010	18	-26 55 11.95	-0.027	18	0.34	16.140	16	33.1	11.50	16	33.1	K5 M	14	6568	E -26 6224
30		8.6R	33 17.016	0.0005	18	-24 2 51.05	-0.021	18	0.34	17.007	16	33.1	50.70	16	33.1	K0 M	14	6565	E -23 7512
31		5.9T	33 21.430	-0.0019	06	-26 40 12.14	0.011	06	0.32	21.519	12	02.3	12.70	14	96.7	A2	GC	11786	C -26 6225
32		9.6R	33 25.327	-0.0033	20	-25 44 59.33	0.037	20	0.37	25.383	16	33.1	59.95	16	33.1	G M	14	6570	E -25 6289
33		7.3T	33 25.506	-0.0002	16	-29 21 0.81	-0.012	13	0.76	25.517	18	00.9	0.20	18	97.4	A0	GC	11788	C -29 6430
34		9.0R	33 26.913	-0.0025	12	-29 34 59.45	-0.001	12	0.26	26.955	16	33.1	59.43	16	33.1	F5 J	13B	5285	J -29 6431
35		9.5R	33 29.784	-0.0005	18	-26 37 13.11	-0.005	18	0.34	29.793	16	33.1	13.02	16	33.1	A0 M	14	6571	E -26 6226
36		8.9A	33 31.125	-0.0009	18	-21 2 15.12	0.007	13	0.31	31.140	16	33.1	15.24	16	33.1	A2 J	13A	3779	A -20 2606
37		9.1A	33 37.951	0.0013	18	-21 49 6.40	0.002	13	0.31	37.929	16	33.1	6.43	16	33.1	B9 J	13A	3781	A -21 2507
38		9.1R	33 39.858	-0.0018	20	-27 47 15.25	-0.015	20	0.37	39.889	16	33.1	15.00	16	33.1	F8 M	13B	5287	J -27 5675
39		7.6R	33 40.856	-0.0002	17	-28 18 14.80	-0.018	17	0.32	40.859	16	33.1	14.49	16	33.1	K0 J	13B	5288	J -28 6276
40		8.5R	33 42.011	-0.0042	18	-24 2 56.16	0.015	18	0.34	42.081	16	33.1	56.41	16	33.1	K0 M	14	6572	E -23 7522
41		8.8R	33 49.043	-0.0039	15	-27 45 25.95	-0.005	15	0.30	49.108	16	33.1	25.86	16	33.1	B9 J	13B	5291	J -27 5678
42		8.7R	33 49.120	-0.0023	17	-29 6 41.81	-0.086	17	0.32	49.159	16	33.1	40.36	16	33.1	K2 J	13B	5293	J -28 6281
43		9.2R	33 49.814	-0.0021	20	-29 35 19.31	0.022	20	0.37	49.850	16	33.1	19.68	16	33.1	G M	13B	5294	J -29 6442
44		9.3R	33 50.781	0.0003	17	-29 33 41.59	-0.032	17	0.32	50.777	16	33.1	41.05	16	33.1	F0 M	13B	5295	J -29 6443
45		9.4R	33 52.494	-0.0041	18	-22 18 31.38	0.016	18	0.34	52.563	16	33.1	31.65	16	33.1	K0 M	14	6573	E -22 6367
46		9.1R	33 54.069	-0.0036	12	-24 41 25.76	-0.102	12	0.26	54.129	16	33.1	24.02	16	33.1	G5 M	14	6574	E -24 7166
47		9.6R	33 58.624	-0.0008	20	-22 42 59.05	-0.014	20	0.37	58.637	16	33.1	58.81	16	33.1	K M	14	6575	E -22 6370
48		8.0A	34 2.216	-0.0003	17	-20 53 10.85	0.005	12	0.29	2.220	16	33.1	10.93	16	33.1	K2 J	13A	3784K	A -20 2609
49		9.5R	34 2.573	-0.0004	18	-22 41 56.70	-0.008	18	0.34	2.580	16	33.1	56.56	16	33.1	K0 M	14	6577	E -22 6373
50		8.7R	34 2.652	-0.0046	17	-29 41 52.70	0.008	17	0.32	2.729	16	33.1	52.83	16	33.1	A0 J	13B	5296	J -29 6448
51		8.9A	8 34 3.712	-0.0008	18	-21 48 9.49	-0.008	13	0.31	3.725	16	33.1	9.36	16	33.1	K0 J	13A	3785	A -21 2513
52		9.1R	34 3.895	-0.0020	18	-23 50 56.44	0.007	18	0.34	3.929	16	33.1	56.56	16	33.1	K0 M	14	6578	E -23 7531
53		8.2R	34 7.126	0.0034	18	-23 24 40.73	-0.014	18	0.34	7.068	16	33.1	40.48	16	33.1	F0 J	14	6579	E -23 7532
54		8.8R	34 7.759	0.0003	17	-29 9 52.82	-0.018	17	0.32	7.754	16	33.1	52.52	16	33.1	K7 M	13B	5297	J -28 6286
55		9.1A	34 11.515	-0.0013	17	-21 48 26.27	-0.012	12	0.29	11.537	16	33.1	26.07	16	33.1	A3 J	13A	3786	A -21 2516
56		8.9R	34 15.262	-0.0023	12	-26 55 43.22	-0.003	12	0.26	15.301	16	33.1	43.16	16	33.1	F8 J	14	6583	E -26 6242
57		9.1R	34 16.951	-0.0017	18	-22 52 18.15	-0.003	18	0.34	16.979	16	33.1	18.09	16	33.1	A2 J	14	6582	E -22 6382
58		8.0R	34 17.825	-0.0066	20	-27 54 27.22	0.016	20	0.37	17.936	16	33.1	27.48	16	33.1	K2 J	13B	5300	J -27 5692
59		8.4R	34 19.886	-0.0156	17	-29 51 50.19	0.070	17	0.32	20.149	16	33.1	51.37	16	33.1	G5 J	13B	5305	J -29 6456
60		8.1R	34 20.297	-0.0024	17	-28 37 20.00	-0.019	17	0.32	20.337	16	33.1	19.69	16	33.1	B9 J	13B	5303	J -28 6288
61		9.7R	34 20.351	-0.0031	18	-25 13 31.29	-0.009	18	0.34	20.403	16	33.1	31.14	16	33.1	A0 M	14	6584	E -24 7178
62		9.0R	34 20.725	0.0006	15	-27 33 0.82	-0.032	15	0.30	20.715	16	33.1	0.27	16	33.1	A0 J	13B	5302	J -27 5693
63		9.0R	34 22.326	-0.0027	20	-27 57 13.57	0.040	20	0.37	22.371	16	33.1	14.24	16	33.1	F8 J	13B	5304	J -27 5695
64		9.8R	34 26.579	-0.0007	20	-23 48 16.92	0.011	20	0.37	26.591	16	33.1	17.11	16	33.1	A0 M	14	6585	E -23 7539
65		8.9A	34 29.443	-0.0012	18	-20 27 25.51	0.037	13	0.31	29.463	16	33.1	26.12	16	33.1	K0 J	13A	3789	A -20 2612
66		9.5R	34 47.882	-0.0045	20	-27 56 11.22	0.034	20	0.37	47.959	16	33.1	11.79	16	33.1	F8 M	13B	5309	J -27 5704
67		9.4R	34 48.011	-0.0003	18	-25 8 58.65	-0.004	18	0.34	48.015	16	33.1	58.58	16	33.1	K0 M	14	6589	E -24 7188
68		9.3R	34 49.988	-0.0053	18	-23 35 27.08	-0.014	18	0.34	50.076	16	33.1	27.32	16	33.1	F5 M	14	6590	E -23 7551
69		9.5R	34 51.992	-0.0078	18	-25 1 1.56	-0.001	18	0.34	52.124	16	33.1	1.55	16	33.1	K0 M	14	6591	E -24 7189
70		6.8T	34 55.656	-0.0021	09	-26 14 26.98	-0.026	07	0.49	55.770	17	95.8	25.43	15	91.3	K0	GC	11820	C -25 6331
71		8.9R	34 55.749	-0.0008	17	-28 23 42.35	0.019	17	0.32	55.762	16	33.1	42.66	16	33.1	A3 J	13B	5310	J -28 6300
72		9.2R	34 58.845	-0.0004	17	-29 15 28.70	0.004	17	0.32	58.851	16	33.1	28.77	16	33.1	K0 M	13B	5312	J -29 6473
73		7.7R	34 59.969	-0.0037	18	-25 53 52.08	0.004	18	0.34	+ 0.031	16	33.1	52.14	16	33.1	K2 J	14	6596	E -25 6334
74		9.5R	35 0.715	-0.0001	20	-22 58 56.76	0.037	20	0.37	0.716	16	33.1	57.38	16	33.1	K0 M	14	6594	E -22 6393
75		8.8R	35 2.629	-0.0048	17	-29 39 48.65	-0.011	17	0.32	2.710	16	33.1	48.46	16	33.1	K2 J	13B	5314	J -29 6475
76		9.2R	35 4.106	0.0013	20	-25 43 2.17	0.041	20	0.37	4.084	16	33.1	2.85	16	33.1	G5 M	14	6598	E -25 6336
77		8.5R	35 6.691	-0.0015	18	-22 33 25.92	-0.016	18	0.34	6.716	16	33.1	25.64	16	33.1	A0 J	14	6597	E -22 6396
78		8.8A	35 8.841	-0.0039	17	-21 2 38.11	0.010	13	0.30	8.907	16	33.1	38.28	16	33.1	G0 J	13A	3792	A -20 2614
79		8.7R	35 9.314	-0.0014	18	-24 7 35.47	-0.007	18	0.34	9.337	16	33.1	35.36	16	33.1	A0 J	14	6599	E -23 7558
80		9.4R	35 15.262	0.0010	17	-29 31 9.06	0.017	17	0.32	15.245	16	33.1	9.35	16	33.1	F0 M	13B	5316	J -29 6481
81		9.2A	35 17.707	-0.0014	18	-21 20 44.14	-0.007	13	0.31	17.730	16	33.1	44.02	16	33.1	A2 J	13A	3794	A -21 2523
82		9.1R	35 21.618	-0.0003	15	-26 7 8.57	0.012	15	0.30	21.624	16	33.1	8.77	16	33.1	F8 J	14	6601	E -25 6346
83		7.9R	35 25.204	-0.0048	15	-28 0 8.05	-0.064	15	0.30	25.285	16	33.1	6.96	16	33.1	K0 J	13B	5318	J -27 5714
84		7.9R	35 29.685	0.0029	18	-23 42 20.54	0.007	18	0.34	29.636	16	33.1	20.66	16	33.1	A0 J	14	6602	E -23 7564
85		9.0R	35 32.594	0.0005	18	-23 34 29.19	0.014	18	0.34	32.585	16	33.1	29.43	16	33.1	K0 M	14	6603	E -23 7565
86		7.9A	35 40.351	-0.0042	17	-20 8 10.82	0.014	13	0.30	40.422	18	33.2	11.05	16	33.2	K2 J	12B	3796	A -19 2483
87		8.4R	35 40.603	-0.0010	20	-29 44 42.79	0.008	20	0.37	40.619	16	33.1	42.92	16	33.1	K2 J	13B	5322	J -29 6494
88		8.7R	35 40.718	-0.0031	20	-29 59 38.54	-0.011	20	0.37	40.771	16	33.1	38.35	16	33.1	K2 J	13B	5323	J -29 6495
89		5.2T	35 43.953	-0.0016	05	-26 4 44.07	-0.015	04	0.23	44.026	09	04.5	43.31	09	00.3	A0	GC	11848	C*-25 6356
90		9.0R	35 45.487	-0.0016	18	-22 53 47.65	0.015	18	0.34	45.514	16	33.1	47.90	16	33.1	B9 J	14	6604	E -22 6417
91		8.8A	35 48.386	-0.0015	17	-20 26 23.67	-0.067	12	0.29	48.412	16	33.1	24.79	16	33.1	G0 J	13A	3798	A -20 2616
92		9.1R	35 50.484	-0.0020	20	-27 54 46.30	-0.023	20	0.37	50.519	16	33.1	45.90	16	33.1	A2 J	13B	5324	J -27 5720
93		9.1R	35 52.393	-0.0125	15	-27 28 37.39	0.114	15	0.30	52.604	16	33.1	39.31	16	33.1	K0 M	13B	5325	J -27 5722
94		9.1R	35 52.507	-0.0034	18	-23 45 14.30	-0.027	18	0.34	52.565	16	33.1	14.76	16	33.1	A0 J	14	6606	E -23 7570
95		8.9R	35 52.736	0.0019	18	-26 1 46.58	0.011	18	0.34	52.704	16	33.1	46.76	16	33.1	F5 J	14	6607	E -25 6360
96		9.4R	35 53.342	-0.0024	20	-29 6 42.20	0.032	20	0.37	53.381	16	33.1	42.75	16	33.1	F5 M	13B	5326	J -28 6320
97		9.1R	35 53.842	-0.0026	20	-29 40 8.68	0.002	20	0.37	53.885	16	33.1	8.71	16	33.1	A3 J	13B	5327	J -29 6500
98		9.2R	35 53.878	0.0030	20	-26 56 35.90	0.019	20	0.37	53.828	16	33.1	36.22	16	33.1	A0 J	14	6609	E -26 6277
99		9.4R	35 56.394	-0.0017	20	-29 56 44.00	0.009	20	0.37	56.422	16	33.1	44.15	16	33.1	A2 J	13B	5330	J -29 6502
00		9.0A	35 57.978	-0.0014	18	-20 15 12.19	0.042	13	0.31	58.002	16	33.1	12.89	16	33.1	F0 J	13A	3799	A -19 2485

176200

EPOCH 1950											ORIGINAL EPOCH							SP.		SOURCE		-20° 8H
NUMBER	MAGNITUDES		α_{1950}	μ	σ_μ	δ_{1950}	μ'	$\sigma_{\mu'}$	σ_{1950}	α_2	σ	ep.	δ_2	σ'	ep.			CAT.	STAR NUMBER	DM NUMBER
	m_{pg}	m_v	h m s	s	″.001	° ′ ″	″	″.001	″	s	″.01		″	″.01						
1		9.2R	8 35 58.165	-0.0002	17	-28 43 52.67	0.006	17	0.32	58.168	16	33.1	52.78	16	33.1	AO	J	13B	5331	J -28 6323
2		8.4R	36 0.425	-0.0026	18	-22 20 23.77	-0.046	18	0.34	0.468	16	33.1	23.00	16	33.1	F5	J	14	6610	E -22 6420
3		9.0R	36 0.878	-0.0033	12	-24 49 19.65	0.013	12	0.26	0.933	16	33.1	19.87	16	33.1	F8	M	14	6612	E -24 7218
4		8.7A	36 1.851	-0.0037	20	-22 0 8.40	0.025	15	0.33	1.914	16	33.1	8.82	16	33.1	F5	J	13A	3804	A -21 2529
5		9.1A	36 1.970	0.0010	20	-21 46 36.29	-0.033	15	0.33	1.953	16	33.1	35.73	16	33.1	K7	J	13A	3802	A -21 2528
6		9.7R	36 2.820	0.0015	20	-22 20 46.58	0.003	20	0.37	2.794	16	33.1	46.63	16	33.1	G	M	14	6611	E -22 6423
7		9.1R	36 3.764	0.0009	18	-24 27 53.32	0.001	18	0.34	3.748	16	33.1	53.34	16	33.1	AO	J	14	6613	E -24 7220
8		8.0R	36 7.834	-0.0052	20	-26 27 54.80	0.003	20	0.37	7.923	16	33.1	54.84	16	33.1	K0	J	14	6614	E -26 6281
9		8.0R	36 11.089	-0.0010	18	-26 15 26.21	-0.055	18	0.34	11.106	16	33.1	25.28	16	33.1	K5	J	14	6615	E -25 6365
10		9.3R	36 15.774	-0.0029	17	-24 50 45.58	0.001	17	0.32	15.822	16	33.1	45.60	16	33.1	A0	M	14	6616	E -24 7225
11		9.0A	36 15.842	0.0016	17	-21 11 51.10	0.017	13	0.30	15.814	16	33.1	51.39	16	33.1	G5	J	13A	3805	A -20 2620
12		9.0R	36 15.978	-0.0029	20	-27 14 48.76	-0.000	20	0.37	16.027	16	33.1	48.75	16	33.1	M0	M	13B	5332	J -26 6286
13		8.0R	36 18.006	-0.0022	20	-29 48 31.08	0.009	20	0.37	18.043	16	33.1	31.23	16	33.1	K5	J	13B	5334	J -29 6512
14		9.1R	36 19.955	-0.0004	20	-28 11 23.92	-0.020	20	0.37	19.962	16	33.1	23.58	16	33.1	A3	J	13B	5333	J -27 5731
15		8.5R	36 22.676	-0.0030	20	-28 2 33.46	-0.024	20	0.37	22.727	16	33.1	33.05	16	33.1	K0	J	13B	5336	J -27 5732
16		9.1R	36 30.046	0.0010	18	-24 53 37.63	0.028	18	0.34	30.030	16	33.1	38.11	16	33.1	K0	M	14	6618	E -24 7233
17		9.6R	36 33.152	-0.0077	15	-23 44 59.09	0.007	15	0.30	33.282	16	33.1	59.21	16	33.1	G	M	14	6620	E -23 7584
18		9.1A	36 35.093	-0.0002	20	-20 27 24.89	0.020	15	0.33	35.097	16	33.1	25.22	16	33.1	K2	J	13A	3808	A -20 2623
19		9.4R	36 35.291	-0.0053	17	-23 11 48.90	0.034	17	0.32	35.380	16	33.1	49.47	16	33.1	G0	M	14	6621	E -22 6433
20		8.9R	36 40.208	-0.0026	20	-27 3 2.61	-0.011	20	0.37	40.253	16	33.1	2.42	16	33.1	F0	J	14	6624	E -26 6290
21		9.3R	36 43.845	-0.0002	18	-23 26 28.84	-0.024	18	0.34	43.848	16	33.1	29.24	16	33.1	G	M	14	6622	E -23 7586
22		8.2A	36 47.521	-0.0015	20	-21 54 26.54	-0.021	15	0.33	47.546	16	33.1	26.19	16	33.1	A0	J	13A	3810	A -21 2535
23		8.2R	36 49.748	-0.0012	18	-24 54 49.62	0.010	18	0.34	49.768	16	33.1	49.79	16	33.1	F2	J	14	6626	E -24 7238
24		9.0R	36 50.647	-0.0023	18	-23 12 50.96	-0.004	18	0.34	50.685	16	33.1	50.89	16	33.1	A0	J	14	6625	E -22 6439
25		8.5R	36 55.657	-0.0013	20	-29 9 55.06	-0.006	20	0.37	55.678	16	33.1	54.96	16	33.1	K0	J	13B	5343	J -28 6343
26		5.1T	36 56.562	-0.0174	07	-22 29 26.73	0.432	08	0.38	57.415	09	01.0	47.55	09	01.8	G5		GC	11877K	B*-22 2345
27		8.8R	36 58.874	-0.0009	20	-29 33 42.70	0.060	20	0.37	58.889	16	33.1	43.71	16	33.1	K5	J	13B	5346	J -29 6530
28		9.3R	37 2.900	-0.0063	18	-25 10 56.86	-0.027	18	0.34	3.006	16	33.1	56.40	16	33.1	F	M	14	6628	E -24 7243
29		9.2A	37 6.069	-0.0002	15	-20 15 6.49	0.033	12	0.28	6.073	16	33.1	7.04	16	33.1	A0	J	13A	3813	A -19 2496
30		9.2R	37 8.371	-0.0052	18	-22 16 25.90	0.027	18	0.34	8.459	16	33.1	26.35	16	33.1	G5	J	14	6629	E -22 6447
31		9.0A	37 8.571	-0.0025	20	-21 16 55.03	0.001	15	0.33	8.614	16	33.1	55.04	16	33.1	G	J	13A	3815	A -20 2624
32		9.3R	37 10.405	-0.0011	20	-29 49 47.23	0.023	20	0.37	10.424	16	33.1	47.62	16	33.1	F0	M	13B	5347	J -29 6537
33		8.8R	37 10.729	-0.0004	15	-23 37 28.65	0.006	15	0.30	10.735	16	33.1	28.75	16	33.1	F8	J	14	6630K	E -23 7593
34		9.2A	37 14.253	-0.0008	18	-20 44 26.36	0.019	13	0.31	14.266	16	33.1	26.68	16	33.1	F5	J	13A	3817	A -20 2625
35		9.3R	37 14.914	-0.0004	12	-25 45 51.45	0.003	12	0.26	14.921	16	33.1	51.49	16	33.1	K0	M	14	6631	E -25 6387
36		9.2R	37 15.423	-0.0045	20	-28 34 41.99	0.041	20	0.37	15.499	16	33.1	42.68	16	33.1	F5	M	13B	5348	J -28 6352
37		8.3A	37 16.673	0.0018	20	-21 44 54.87	-0.020	15	0.33	16.657	16	33.1	54.53	16	33.1	K5	J	13A	3818	A -21 2538
38		7.8R	37 17.274	-0.0032	15	-28 12 1.64	0.043	15	0.30	17.328	16	33.1	2.36	16	33.1	F0	J	13B	5349	J -27 5750
39		8.0R	37 17.770	0.0010	20	-29 7 19.51	0.020	20	0.37	17.753	16	33.1	19.85	16	33.1	K2	J	13B	5350	J -28 6354
40		9.1A	37 20.957	-0.0008	17	-20 20 1.37	0.049	13	0.30	20.971	16	33.1	2.19	16	33.1	F5	J	13A	3819	A -20 2626
41		9.6R	37 25.216	0.0009	20	-25 59 21.60	0.017	20	0.37	25.200	16	33.1	21.88	16	33.1	A0	M	14	6632	E -25 6389
42		9.2R	37 28.632	-0.0029	20	-26 38 33.05	-0.015	20	0.37	28.681	16	33.1	32.79	16	33.1	K0	M	14	6634	E -26 6303
43		8.7R	37 28.660	0.0006	20	-27 21 41.51	-0.044	20	0.37	28.649	16	33.1	40.78	16	33.1	A2	J	13B	5352	J -27 5754
44		8.6R	37 29.884	-0.0013	18	-24 23 41.62	-0.009	18	0.34	29.905	16	33.1	41.47	16	33.1	F0	J	14	6633	E -24 7253
45		9.0R	37 33.020	0.0017	20	-29 33 26.39	-0.030	20	0.37	32.991	16	33.1	25.88	16	33.1	A0	J	13B	5355	J -29 6541
46		9.0R	37 34.129	-0.0001	20	-28 13 44.96	-0.032	20	0.37	34.131	16	33.1	44.41	16	33.1	G5	M	13B	5354	J -27 5758
47		8.8R	37 35.141	-0.0027	20	-29 55 9.40	0.005	20	0.37	35.186	16	33.1	9.48	16	33.1	A3	J	13B	5357	J -29 6542
48		9.1R	37 35.165	0.0049	18	-23 24 22.89	-0.008	18	0.34	35.082	16	33.1	22.75	16	33.1	K	M	14	6635	E -23 7600
49		7.2T	37 35.565	0.0013	11	-28 54 16.16	-0.020	10	0.59	35.499	17	98.2	15.10	18	95.9	K0		GC	11905	C -28 6359
50		9.0R	37 36.938	-0.0009	15	-23 37 34.68	0.019	15	0.30	36.953	16	33.1	35.00	16	33.1	K	M	14	6636	E -23 7604
51		9.6R	8 37 37.312	-0.0002	18	-23 22 48.47	-0.003	18	0.34	37.315	16	33.1	48.41	16	33.1			14	6637	E -23 7607
52		9.7R	37 37.761	0.0006	18	-23 34 22.31	0.065	18	0.34	37.750	16	33.1	23.41	16	33.1			14	6638	E -23 7605
53		5.0T	37 37.909	-0.0014	05	-29 22 55.74	-0.100	04	0.24	37.971	09	06.4	50.87	09	01.1	G5		GC	11907K	C*-29 6544
54		9.1R	37 40.023	-0.0031	18	-23 38 30.06	0.017	18	0.34	40.075	16	33.1	30.35	16	33.1	A0	J	14	6639	E -23 7606
55		9.0R	37 40.209	-0.0017	20	-27 0 56.94	-0.069	20	0.37	40.238	16	33.1	55.77	16	33.1	K5	M	14	6642	E -26 6306
56		8.4A	37 41.988	-0.0032	18	-21 13 3.98	-0.047	13	0.31	42.042	16	33.1	3.19	16	33.1	G5	J	13A	3821	A -20 2629
57		8.0R	37 42.461	-0.0015	18	-24 33 23.69	-0.012	18	0.34	42.486	16	33.1	23.48	16	33.1	A0	J	14	6641	E -24 7256
58		9.6R	37 47.286	-0.0025	18	-25 8 0.42	-0.009	18	0.34	47.328	16	33.1	0.28	16	33.1	A0	M	14	6643	E -24 7259
59		8.2R	37 52.087	-0.0002	18	-23 1 49.99	0.016	18	0.34	52.090	16	33.1	50.25	16	33.1	K0	J	14	6644	E -22 6464
60		9.0R	37 53.024	0.0008	18	-22 47 4.31	-0.001	18	0.34	53.010	16	33.1	4.29	16	33.1	K0	M	14	6645	E -22 6463
61		8.8R	37 57.180	-0.0037	20	-26 36 9.03	0.015	20	0.37	57.242	16	33.1	9.28	16	33.1	G5	J	14	6647	E -26 6313
62		8.8R	37 59.379	-0.0063	18	-24 8 25.96	0.017	18	0.34	59.485	16	33.1	26.25	16	33.1	K5	M	14	6646	E -23 7612
63		8.8A	38 0.085	-0.0005	18	-20 36 9.98	0.027	13	0.31	0.093	16	33.1	10.43	16	33.1	F5	J	13A	3825	A -20 2631
64		8.0A	38 2.580	-0.0004	18	-20 26 52.81	-0.009	13	0.31	2.587	16	33.1	52.65	16	33.1	K0	J	13A	3826	A -20 2632
65		8.3R	38 5.773	-0.0061	20	-28 14 12.11	-0.058	20	0.37	5.876	16	33.1	11.12	16	33.1	A0	J	13B	5361	J -27 5766
66		9.3R	38 11.451	0.0030	18	-23 36 43.58	0.013	18	0.34	11.401	16	33.1	43.80	16	33.1	K0	M	14	6648	E -23 7616
67		9.3R	38 13.584	-0.0002	12	-25 18 19.16	0.013	12	0.26	13.587	16	33.1	19.38	16	33.1	K2	M	14	6649	E -25 6414
68		7.8A	38 14.646	-0.0002	20	-20 50 4.61	0.005	15	0.33	14.648	16	33.1	4.69	16	33.1	K2	J	13A	3830	A -20 2635
69		9.2R	38 15.901	-0.0007	20	-29 31 2.62	-0.030	20	0.37	15.913	16	33.1	2.11	16	33.1	G5	M	13B	5370	J -29 6560
70		8.7R	38 17.797	-0.0015	15	-27 42 35.23	0.002	15	0.30	17.823	16	33.1	35.27	16	33.1	G5	J	13B	5369	J -27 5769
71		7.9R	38 19.374	-0.0014	20	-27 4 45.99	-0.007	20	0.37	19.397	16	33.1	45.87	16	33.1	A2	J	14	6651	E -26 6320
72		9.3R	38 19.465	0.0000	18	-24 38 44.46	0.015	18	0.34	19.465	16	33.1	44.72	16	33.1	K0	M	14	6650	E -24 7267
73		9.1R	38 22.136	-0.0007	17	-29 31 5.02	-0.007	17	0.32	22.147	16	33.1	4.90	16	33.1	A3	J	13B	5373	J -29 6562
74		9.4R	38 23.268	-0.0031	18	-24 8 24.70	0.021	18	0.34	23.320	16	33.1	25.06	16	33.1	A0	M	14	6652	E -23 7621
75		9.4A	38 25.474	-0.0011	18	-22 25 26.12	0.005	15	0.32	25.492	16	33.1	26.20	16	33.1	F5	J	13A	3832	A -22 2353
76		8.2R	38 29.131	-0.0048	20	-27 11 54.55	-0.003	20	0.37	29.213	16	33.1	54.49	16	33.1	K0	J	13B	5375	J -26 6322
77		8.0A	38 31.035	0.0026	17	-20 39 14.06	0.021	13	0.30	30.991	16	33.1	14.41	16	33.1	K0	J	13A	3834	A -20 2639
78		8.6R	38 32.970	-0.0015	18	-23 56 11.26	-0.036	18	0.34	32.994	16	33.1	11.87	16	33.1	K2	M	14	6653	E -23 7625
79		8.9R	38 35.433	0.0010	17	-28 17 56.27	-0.005	17	0.32	35.417	16	33.1	56.18	16	33.1	F8	M	13B	5376	J -28 6384
80		8.3R	38 36.159	-0.0012	20	-28 41 48.82	-0.025	20	0.37	36.179	16	33.1	48.41	16	33.1	K0	J	13B	5377	J -28 6386
81		9.2R	38 36.663	-0.0018	18	-24 48 56.53	0.051	18	0.34	36.694	16	33.1	57.38	16	33.1	G	M	14	6654	E -24 7274
82		9.1R	38 38.362	-0.0016	18	-25 10 26.71	0.008	18	0.34	38.389	16	33.1	26.86	16	33.1	A0	M	14	6655	E -24 7277
83		8.8R	38 40.842	-0.0021	17	-28 21 53.92	0.019	17	0.32	40.878	16	33.1	54.24	16	33.1	F0	J	13B	5379	J -28 6387
84		9.3R	38 42.529	0.0005	18	-25 11 45.09	-0.020	18	0.34	42.520	16	33.1	44.76	16	33.1	G5	M	14	6657	E -24 7280
85		8.4R	38 43.013	-0.0017	12	-24 26 17.03	0.002	12	0.26	43.041	16	33.1	17.07	16	33.1	A2	J	14	6656	E -24 7279
86		9.2R	38 43.428	-0.0028	20	-28 37 48.05	0.001	20	0.37	43.475	16	33.1	48.08	16	33.1	K2	M	13B	5380	J -28 6388
87		8.6R	38 43.609	0.0004	18	-24 14 18.48	0.008	18	0.34	43.603	16	33.1	18.62	16	33.1	A0	J	14	6658	E -23 7627
88		9.1R	38 47.293	-0.0017	17	-28 33 17.20	-0.020	17	0.32	47.322	16	33.1	16.87	16	33.1	A3	J	13B	5381	J -28 6390
89		9.0A	38 48.059	0.0004	18	-20 47 50.22	-0.006	13	0.31	48.052	16	33.1	50.12	16	33.1	G0	J	13A	3835	A -20 2641
90		8.8R	38 48.350	-0.0048	20	-29 12 58.74	0.007	20	0.37	48.430	16	33.1	58.86	16	33.1	B9	J	13B	5382	J -28 6392
91		9.3R	38 48.369	-0.0000	18	-23 15 0.43	0.013	18	0.34	48.369	16	33.1	0.64	16	33.1	G5	M	14	6659	E -22 6484
92		9.3R	38 49.129	-0.0022	18	-24 41 29.82	0.012	18	0.34	49.166	16	33.1	30.03	16	33.1	K0	M	14	6660	E -24 7281
93		9.2R	38 51.980	0.0010	20	-28 24 28.58	-0.023	20	0.37	51.964	16	33.1	28.18	16	33.1	F8	M	13B	5383	J -28 6394
94		8.8R	38 52.406	-0.0018	15	-24 11 44.89	0.008	15	0.30	52.437	16	33.1	45.03	16	33.1	K0	J	14	6661	E -23 7630
95		8.1R	38 52.443	0.0002	20	-28 52 11.58	-0.038	20	0.37	52.440	16	33.1	10.95	16	33.1	K5	M	13B	5386	J -28 6396
96		8.3R	38 53.332	0.0001	20	-27 47 49.01	-0.028	20	0.37	53.331	16	33.1	48.53	16	33.1	A5	J	13B	5385	J -27 5782
97		8.9R	38 54.680	-0.0016	18	-25 34 24.76	-0.032	18	0.34	54.707	16	33.1	24.21	16	33.1	G0	J	14	6662	E -25 6432
98		9.2R	38 56.827	-0.0020	18	-23 42 36.68	-0.026	18	0.34	56.861	16	33.1	36.24	16	33.1	G0	M	14	6663	E -23 7632
99		9.7R	38 59.264	-0.0038	15	-24 22 40.84	0.005	15	0.30	59.328	16	33.1	40.92	16	33.1	F0	M	14	6664	E -24 7285
00		9.1R	38 59.404	-0.0028	15	-24 48 13.41	0.005	15	0.30	59.451	16	33.1	13.50	16	33.1	A5	J	14	6665	E -24 7284

176300 — — EPOCH 1950 — ORIGINAL EPOCH — SOURCE — -20° 8H

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	σ'_μ ″.001	σ_{1950} ″	α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.		CAT.	STAR NUMBER	DM NUMBER
1		9.5R	8 39 4.450	-0.0058	20	-26 41 34.27	0.029	20	0.37	4.548	16	33.1	34.75	16	33.1	K2	M	14	6667	E -26 6339
2		8.0R	39 6.347	-0.0007	15	-27 15 43.57	-0.000	15	0.30	6.359	16	33.1	43.56	16	33.1	K2	J	13B	5387	J -26 6341
3		9.0R	39 6.522	-0.0019	21	-27 22 54.02	0.016	21	0.39	6.554	16	33.1	54.28	16	33.1	K0	M	13B	5388	J -27 5785
4		9.3R	39 6.640	-0.0008	15	-23 29 43.58	-0.010	15	0.30	6.650	16	33.1	43.40	16	33.1	K0	M	14	6666	E -23 7633
5		8.4R	39 9.549	-0.0030	20	-29 54 22.87	0.005	20	0.37	9.599	16	33.1	22.95	16	33.1	B9	J	13B	5390	J -29 6592
6		8.7R	39 9.596	-0.0009	12	-28 44 11.73	0.001	12	0.26	9.612	16	33.1	11.75	16	33.1	F0	J	13B	5389	J -28 6398
7		9.0R	39 10.481	-0.0027	18	-22 49 30.25	-0.000	18	0.34	10.526	16	33.1	30.24	16	33.1	K0	M	14	6668	E -22 6493
8		8.6R	39 13.352	-0.0036	17	-29 18 50.29	0.023	17	0.32	13.413	16	33.1	50.68	16	33.1	K5	J	13B	5391	J -29 6593
9		8.5R	39 13.357	0.0013	18	-24 5 45.50	0.017	18	0.34	13.335	16	33.1	45.79	16	33.1	A2	J	14	6669	E -23 7635
10		9.4A	39 17.534	0.0010	18	-22 40 5.18	-0.024	13	0.31	17.517	16	33.1	4.77	16	33.1	F5	J	13A	3839	A -22 2360
11		9.1R	39 19.810	-0.0021	17	-28 37 33.61	0.025	17	0.32	19.845	16	33.1	34.04	16	33.1	G5	M	13B	5392	J -28 6400
12		9.6R	39 20.371	0.0007	18	-24 38 55.81	-0.019	18	0.34	20.358	16	33.1	55.48	16	33.1	K	M	14	6670	E -24 7294
13		9.1R	39 20.877	-0.0020	20	-27 58 28.80	0.005	20	0.37	20.912	16	33.1	28.88	16	33.1	F5	J	13B	5393	J -27 5791
14		8.0A	39 22.160	0.0000	18	-22 0 53.85	-0.001	13	0.31	22.160	16	33.1	53.85	16	33.1	A0	J	13A	3841	A -21 2548
15		9.5R	39 22.798	-0.0007	20	-23 22 1.29	0.037	20	0.37	22.810	16	33.1	1.91	16	33.1	A0	M	14	6671	E -23 7642
16		9.8R	39 24.015	-0.0089	22	-23 21 52.23	-0.031	22	0.41	24.131	16	33.1	51.70	16	33.1			14	6672	E -23 7642
17		9.4R	39 25.356	-0.0018	22	-24 7 37.72	0.030	22	0.41	25.387	16	33.1	38.23	16	33.1	A0	M	14	6673	E -23 7646
18		9.4R	39 31.864	-0.0025	18	-26 28 1.36	0.002	18	0.34	31.904	16	33.1	1.39	16	33.1	G0	M	14	6674	E -26 6353
19		9.0R	39 33.115	-0.0014	17	-28 51 37.66	0.020	17	0.32	33.139	16	33.1	38.01	16	33.1	M	M	13B	5396	J -28 6406
20		8.9R	39 35.919	-0.0029	15	-27 34 6.74	0.023	15	0.30	35.969	16	33.1	7.12	16	33.1	K2	M	13B	5397	J -27 5798
21		9.0R	39 38.261	-0.0045	18	-25 29 48.46	0.027	18	0.34	38.337	16	33.1	48.92	16	33.1	F5	J	14	6677	E -25 6448
22		9.2R	39 38.968	-0.0007	18	-23 2 27.98	0.027	18	0.34	38.980	16	33.1	28.45	16	33.1	A0	J	14	6675	E -22 6503
23		7.1A	39 41.626	-0.0004	18	-21 50 54.60	0.001	13	0.31	41.633	16	33.1	54.61	16	33.1	K5	J	13A	3842	A -21 2552
24		8.3R	39 41.877	-0.0020	17	-29 46 17.87	-0.037	17	0.32	41.910	16	33.1	17.24	16	33.1	K0	M	13B	5398	J -29 6611
25		9.5R	39 44.982	0.0021	12	-28 40 23.06	0.017	12	0.26	44.948	16	33.1	23.35	16	33.1	F8	M	13B	5400	J -28 6410
26		8.9R	39 45.518	-0.0014	12	-28 1 28.52	0.007	12	0.26	45.541	16	33.1	28.63	16	33.1	A2	J	13B	5399	J -27 5801
27		9.6R	39 46.547	-0.0031	20	-23 39 54.94	0.005	20	0.37	46.600	16	33.1	55.02	16	33.1	F0	M	14	6678	E -23 7654
28		8.9R	39 50.405	0.0020	15	-26 46 20.86	-0.032	15	0.30	50.371	16	33.1	20.33	16	33.1	G5	M	14	6679	E -26 6354
29		9.2R	39 50.592	0.0012	20	-28 5 20.18	-0.022	20	0.37	50.572	16	33.1	19.80	16	33.1	A2	M	13B	5401	J -27 5803
30		9.1R	39 56.857	-0.0008	18	-22 28 9.85	0.005	18	0.34	56.870	16	33.1	9.93	16	33.1	K0	M	14	6680	E -22 6508
31		9.1R	39 59.074	-0.0047	15	-27 57 10.74	0.005	15	0.30	59.153	16	33.1	10.82	16	33.1	A0	J	13B	5402	J -27 5805
32		8.6R	40 0.336	0.0001	12	-29 23 55.73	-0.009	12	0.26	0.335	16	33.1	55.58	16	33.1	K5	J	13B	5403	J -29 6620
33		9.5R	40 1.470	-0.0018	18	-22 40 57.92	0.048	18	0.34	1.500	16	33.1	58.72	16	33.1	A0	J	14	6681	E -22 6510
34		8.9A	40 2.140	-0.0008	17	-21 9 38.30	0.004	12	0.29	2.153	16	33.1	38.37	16	33.1	K5	J	13A	3843	A -20 2649
35		8.7R	40 3.493	-0.0025	17	-28 30 5.19	-0.002	17	0.32	3.535	16	33.1	5.16	16	33.1	K0	J	13B	5404	J -28 6416
36		9.0R	40 9.200	-0.0041	18	-22 19 12.63	0.014	18	0.34	9.269	16	33.1	12.87	16	33.1	G0	J	14	6683	E -22 6516
37		9.2R	40 17.232	-0.0018	18	-25 2 10.25	-0.011	18	0.34	17.262	16	33.1	10.07	16	33.1	K0	M	14	6684	E -24 7310
38		8.1R	40 22.229	0.0004	18	-24 1 53.59	0.000	18	0.34	22.223	16	33.1	53.59	16	33.1	K0	J	14	6685	E -23 7663
39		8.4R	40 23.363	-0.0007	18	-26 7 55.36	-0.005	18	0.34	23.375	16	33.1	55.27	16	33.1	K5	J	14	6686	E -25 6462
40		8.9A	40 26.980	0.0018	17	-21 12 24.96	0.014	13	0.30	26.948	16	33.1	25.19	16	33.1	K7	J	13A	3849	A -20 2650
41		9.0R	40 31.638	-0.0009	12	-28 35 13.88	0.013	12	0.26	31.654	16	33.1	14.10	16	33.1	A0	J	13B	5410	J -28 6425
42		9.4R	40 36.835	-0.0063	15	-27 54 48.58	0.035	15	0.30	36.941	16	33.1	49.16	16	33.1	F8	M	13B	5412	J -27 5812
43		8.1R	40 37.027	-0.0009	18	-25 41 50.50	-0.007	18	0.34	37.043	16	33.1	50.37	16	33.1	A2	J	14	6689	E -25 6465
44		8.2R	40 37.532	-0.0019	12	-24 15 31.09	-0.012	12	0.26	37.564	16	33.1	30.89	16	33.1	A0	J	14	6687	E -23 7665
45		8.7R	40 39.232	-0.0030	17	-28 25 30.93	0.019	17	0.32	39.284	16	33.1	31.24	16	33.1	F5	J	13B	5413	J -28 6429
46		9.2R	40 39.438	0.0012	18	-22 36 9.08	0.028	18	0.34	39.417	16	33.1	9.54	16	33.1	G5	J	14	6688	E -22 6521
47		9.3R	40 40.566	0.0010	18	-25 50 57.11	0.001	18	0.34	40.549	16	33.1	57.12	16	33.1	K2	M	14	6690	E -25 6468
48		9.0A	40 42.546	0.0006	18	-20 39 39.27	0.026	13	0.31	42.536	16	33.1	39.70	16	33.1	A0	J	13A	3851	A -20 2651
49		9.1R	40 45.554	-0.0014	20	-27 35 57.61	0.007	20	0.37	45.579	16	33.1	57.74	16	33.1	K0	M	13B	5415	J -27 5816
50		8.8A	40 48.633	0.0002	00	-22 3 10.58	-0.013	15	0.24	48.629	16	33.1	10.36	16	33.1	K7	J	13A	3852	A -21 2560
51		8.9R	8 40 49.255	0.0015	17	-29 20 35 32.61	0.013	17	0.32	49.230	16	33.1	32.83	16	33.1	A0	J	13B	5417	J -29 6645
52		7.6T	40 58.812	-0.0018	13	-29 20 36.74	0.002	13	0.70	58.905	21	99.2	36.86	19	98.0	A0		GC	11986	C -29 6646
53		8.5A	41 2.281	0.0007	20	-21 48 58.80	-0.009	15	0.33	2.269	16	33.1	58.65	16	33.1	K2	J	13A	3853	A -21 2562
54		9.3R	41 5.748	0.0017	20	-27 23 55.91	-0.005	20	0.37	5.719	16	33.1	55.84	16	33.1	A5	J	13B	5422	J -27 5827
55		8.1R	41 8.255	-0.0012	17	-28 30 0.17	0.005	17	0.32	8.276	16	33.1	0.26	16	33.1	K0	J	13B	5425	J -28 6436
56		9.4R	41 9.264	-0.0037	15	-26 33 27.22	0.019	15	0.30	9.327	16	33.1	27.53	16	33.1	F5	M	14	6694	E -26 6376
57		8.6A	41 17.140	-0.0040	18	-20 55 31.60	0.041	13	0.31	17.208	16	33.1	32.29	16	33.1	K0	J	13A	3856	A -20 2655
58		8.5R	41 18.177	0.0015	20	-27 37 24.37	0.036	20	0.37	18.152	16	33.1	24.97	16	33.1	B8	J	13B	5427	J -27 5832
59		9.1A	41 18.991	-0.0022	15	-20 4 16.88	0.018	12	0.28	19.028	18	33.2	17.17	16	33.2	K5	J	12B	3857	A -19 2513
60		9.6R	41 19.830	-0.0013	15	-24 7 58.84	0.046	15	0.30	19.852	16	33.1	59.62	16	33.1	F0	M	14	6695	E -23 7682
61		9.6R	41 23.702	-0.0022	18	-24 24 7.95	0.081	18	0.34	23.739	16	33.1	9.32	16	33.1	F	M	14	6696	E -24 7325
62		8.5R	41 24.179	-0.0052	15	-24 20 46.09	0.050	15	0.30	24.267	16	33.1	46.93	16	33.1	A0	J	14	6697	E -24 7324
63		9.1R	41 26.604	-0.0019	18	-25 7 17.04	-0.006	18	0.34	26.636	16	33.1	16.94	16	33.1	F8	J	14	6698	E -24 7327
64		9.6R	41 31.254	-0.0014	17	-23 57 59.31	-0.041	17	0.32	31.277	16	33.1	58.62	16	33.1	K	M	14	6700	E -23 7684
65		8.6R	41 31.646	-0.0007	18	-24 31 35.97	-0.007	18	0.34	31.658	16	33.1	35.86	16	33.1	F0	J	14	6701K	E -24 7329
66		9.0R	41 31.724	0.0001	17	-28 28 36.28	-0.000	17	0.32	31.722	16	33.1	36.27	16	33.1	K0	M	13B	5429	J -28 6445
67		8.9R	41 35.887	-0.0058	20	-26 47 56.75	0.024	20	0.37	35.985	16	33.2	57.15	16	33.2	G5	M	14	6703	E -26 6382
68		8.3R	41 37.919	-0.0030	17	-26 28 6.27	-0.002	17	0.32	37.970	16	33.2	6.23	16	33.2	A3	J	14	6704	E -26 6384
69		9.1R	41 39.799	-0.0039	20	-25 28 59.77	0.047	20	0.37	39.864	16	33.2	0.57	16	33.2	K0	M	14	6705	E -25 6488
70		9.1R	41 42.440	-0.0041	17	-27 36 0.40	-0.001	17	0.32	42.509	16	33.2	0.38	16	33.2	A0	J	13B	5431	J -27 5838
71		8.9R	41 42.715	-0.0030	20	-25 33 47.99	0.039	20	0.37	42.767	16	33.2	48.64	16	33.2	A5	M	14	6706	E -25 6490
72		8.8A	41 47.671	-0.0004	18	-21 28 11.85	0.010	15	0.32	47.677	16	33.2	12.02	16	33.2	M0	J	13A	3858	A -21 2567
73		8.5R	41 49.908	-0.0016	17	-28 50 27.82	0.012	17	0.32	49.932	16	33.2	28.03	16	33.2	K0	J	13B	5433	J -28 6452
74		8.6R	41 50.677	-0.0052	13	-23 24 48.97	-0.012	13	0.27	50.763	16	33.2	48.76	16	33.2	B9	J	14	6707	E -23 7692
75		9.5R	41 54.654	0.0006	15	-27 29 12.99	-0.006	15	0.30	54.645	16	33.2	12.89	16	33.2	F8	M	13B	5435	J -27 5845
76		8.8R	41 56.560	-0.0014	20	-26 48 10.95	-0.007	20	0.37	56.583	16	33.2	10.82	16	33.2	K0	M	14	6709	E -26 6390
77		9.3R	41 56.717	0.0002	15	-22 29 55.37	0.005	15	0.30	56.713	16	33.2	55.45	16	33.2	F8	M	14	6708	E -22 6546
78		9.0A	41 59.616	-0.0010	18	-21 25 41.89	0.043	13	0.31	59.633	16	33.2	42.61	16	33.2	K5	J	13A	3860	A -21 2568
79		8.6R	42 2.039	-0.0011	20	-28 8 39.11	-0.010	20	0.37	2.059	16	33.2	38.95	16	33.2	F8	J	13B	5440	J -27 5849
80		9.1R	42 2.630	-0.0025	18	-24 47 1.56	-0.005	18	0.34	2.672	16	33.2	1.46	16	33.2	A0	J	14	6710	E -24 7342
81		7.5A	42 3.214	-0.0041	17	-20 5 6.29	-0.017	13	0.31	3.283	18	33.1	5.99	16	33.1	K0	J	12B	3861	A -19 2515
82		8.7R	42 4.365	-0.0134	20	-28 0 39.71	-0.020	20	0.37	4.590	16	33.2	39.37	16	33.2	G0	J	13B	5441	J -27 5851
83		9.2R	42 4.798	-0.0027	20	-28 27 41.14	-0.055	20	0.37	4.843	16	33.2	40.21	16	33.2	K0	M	13B	5442	J -28 6457
84		8.5A	42 5.384	0.0003	20	-21 27 37.69	-0.039	15	0.33	5.379	16	33.2	37.04	16	33.2	K0	J	13A	3862	A -21 2569
85		8.7R	42 6.791	-0.0007	20	-24 3 32.06	0.028	20	0.37	6.802	16	33.2	32.53	16	33.2	K0	M	14	6711	E -23 7696
86		8.8A	42 7.026	0.0013	17	-20 39 5.08	0.017	13	0.30	7.004	16	33.2	5.37	16	33.2	K2	J	13A	3863	A -20 2661
87		9.4R	42 8.275	-0.0008	18	-22 46 31.51	-0.003	18	0.34	8.288	16	33.2	31.45	16	33.2	F5	M	14	6712	E -22 6550
88		9.6R	42 9.082	-0.0036	18	-24 18 0.40	0.002	18	0.34	9.142	16	33.2	0.44	16	33.2	A5	M	14	6713	E -24 7343
89		9.1R	42 14.744	-0.0035	21	-23 18 54.45	0.009	21	0.38	14.802	16	33.2	54.59	16	33.2	G5	M	14	6714	E -23 7698
90		8.9A	42 14.762	-0.0018	20	-21 31 2.73	-0.020	15	0.33	14.791	16	33.2	2.39	16	33.2	B9	J	13A	3866	A -21 2570
91		9.0R	42 16.577	-0.0030	20	-28 20 44.36	-0.036	20	0.37	16.627	16	33.2	43.75	16	33.2	A2	J	13B	5443	J -28 6463
92		9.5R	42 17.212	-0.0024	21	-26 18 13.47	-0.009	21	0.38	17.253	16	33.2	13.31	16	33.2			14	6715	E -26 6393
93		8.9R	42 22.348	0.0003	20	-26 19 57.26	-0.003	20	0.37	22.344	16	33.2	57.20	16	33.2	K0	M	14	6716	E -26 6395
94		9.0R	42 23.896	-0.0040	20	-27 16 6.59	0.024	20	0.37	23.963	16	33.2	7.00	16	33.2	F5	M	13B	5444	J -27 5855
95		6.8T	42 29.742	0.0034	16	-23 36 21.64	-0.072	18	0.87	29.569	18	99.4	18.13	19	01.2	K0		GC	12047K	C -23 7702
96		9.0R	42 30.584	0.0008	17	-28 33 37.51	0.023	17	0.32	30.572	16	33.2	37.90	16	33.2	A0	J	13B	5448	J -28 6470
97		8.0A	42 33.652	-0.0006	18	-22 6 55.28	0.008	13	0.31	33.661	16	33.2	55.42	16	33.2	K5	J	13A	3868	A -21 2573
98		8.3R	42 34.382	0.0024	20	-28 56 15.97	-0.001	20	0.37	34.341	16	33.2	15.96	16	33.2	M1	M	13B	5449	J -28 6471
99		9.0R	42 36.755	-0.0063	20	-29 56 9.29	0.043	20	0.37	36.862	16	33.2	10.01	16	33.2	K0	M	13B	5451	J -29 6686
00		9.2R	42 37.669	-0.0021	17	-25 56 2.07	0.054	17	0.32	37.705	16	33.2	2.97	16	33.2	B8	M	14	6720	E -25 6508

176400

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ s	σ_μ ″ .001	δ_{1950} ° ′ ″	μ' ″	σ'_μ ″ .001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ ″ .01	ep.	δ_2 ″	σ' ″ .01	ep.	SP.	CAT.	SOURCE STAR NUMBER	-20° 8H DM NUMBER
1		9.3R	8 42 38.022	-0.0057	20	-27 25 4.06	0.031	20	0.37	38.117	16	33.2	4.57	16	33.2	F0 M	13B	5450	J -27 5861
2		9.3R	42 39.996	-0.0043	20	-26 23 22.85	0.004	20	0.37	40.068	16	33.2	22.91	16	33.2	F8 M	14	6722	E -26 6398
3		8.8R	42 40.756	-0.0003	20	-25 21 36.93	0.003	20	0.37	40.762	16	33.2	36.99	16	33.2	K0 J	14	6721	E -25 6513
4		6.1H	42 40.953	-0.0013	03	-20 59 7.34	0.001	04	0.10	40.983	05	27.2	7.36	05	24.9	A2 F4	1229		-20 2667
5		9.2R	42 41.368	-0.0001	17	-28 38 5.21	0.021	17	0.32	41.369	16	33.2	5.56	16	33.2	G5 M	13B	5452	J -28 6474
6		8.7R	42 43.039	-0.0006	18	-27 12 4.97	0.029	18	0.34	43.050	16	33.2	5.45	16	33.2	K2 M	13B	5453	J -26 6400
7		8.5R	42 44.714	-0.0019	20	-29 50 45.78	0.001	20	0.37	44.746	16	33.2	45.80	16	33.2	K2 J	13B	5454	J -29 6691
8		8.8A	42 45.641	-0.0022	17	-20 28 58.96	0.014	12	0.29	45.679	16	33.2	59.18	16	33.2	K2 J	13A	3870	A -20 2668
9		9.3R	42 46.030	-0.0003	20	-25 33 0.99	0.029	20	0.37	46.025	16	33.2	1.47	16	33.2	A0 J	14	6723	E -25 6514
10		8.1R	42 47.397	-0.0052	20	-26 11 44.01	0.042	20	0.37	47.485	16	33.2	44.71	16	33.2	A2 J	14	6725	E -25 6516
11		8.9R	42 50.101	-0.0004	18	-23 10 8.66	0.042	18	0.34	50.108	16	33.2	9.36	16	33.2	A0 J	14	6724	E -22 6563
12		9.3R	42 51.672	-0.0029	15	-27 53 29.70	0.007	15	0.30	51.720	16	33.2	29.83	16	33.2	A0 J	13B	5455	J -27 5864
13		8.9R	42 54.142	-0.0014	17	-29 25 5.10	0.027	17	0.32	54.166	16	33.2	5.55	16	33.2	A0 J	13B	5456	J -29 6695
14		9.0R	42 54.241	-0.0037	20	-26 29 21.21	0.018	20	0.37	54.304	16	33.2	21.50	16	33.2	K2 J	14	6726	E -26 6404
15		9.4R	42 57.769	0.0031	17	-28 28 24.09	0.011	17	0.32	57.717	16	33.2	24.27	16	33.2	F5 M	13B	5457	J -28 6480
16		9.0R	43 3.812	-0.0020	20	-27 29 59.47	0.016	20	0.37	3.846	16	33.2	59.73	16	33.2	K0 M	13B	5460	J -27 5870
17		8.8A	43 3.866	-0.0025	18	-20 1 10.91	0.018	15	0.33	3.909	18	33.1	11.21	16	33.1	A2 J	12B	3872	A -19 2519
18		9.5R	43 5.143	0.0010	15	-24 56 46.58	-0.005	15	0.30	5.127	16	33.2	46.50	16	33.2	A2 M	14	6728	E -24 7362
19		9.2R	43 5.576	-0.0031	12	-23 57 45.84	-0.037	12	0.26	5.628	16	33.2	45.22	16	33.2	F8 M	14	6727	E -23 7717
20		8.9R	43 5.592	-0.0020	20	-25 19 15.14	-0.006	20	0.37	5.625	16	33.2	15.04	16	33.2	K5 M	14	6730	E -25 6522
21		8.6A	43 6.432	0.0008	20	-20 33 36.51	-0.020	15	0.33	6.418	16	33.2	36.17	16	33.2	K0 J	13A	3873	A -20 2671
22		9.1R	43 6.484	-0.0002	18	-24 21 17.26	-0.032	18	0.34	6.486	16	33.2	16.73	16	33.2	K0 M	14	6729	E -24 7363
23		9.7R	43 9.135	-0.0014	20	-22 48 43.39	0.019	20	0.37	9.158	16	33.2	43.70	16	33.2	F0 M	14	6731	E -22 6566
24		9.0R	43 10.702	0.0021	20	-28 41 7.43	-0.004	20	0.37	10.666	16	33.2	7.36	16	33.2	F5 J	13B	5462	J -28 6490
25		9.7R	43 10.985	0.0027	18	-23 55 30.26	-0.013	18	0.34	10.940	16	33.2	30.05	16	33.2	K M	14	6732	E -23 7720
26		8.8R	43 12.439	0.0006	20	-25 47 34.93	0.015	20	0.37	12.429	16	33.2	35.18	16	33.2	A2 J	14	6733K	E -25 6524
27		8.7R	43 13.563	-0.0032	20	-27 23 10.46	0.026	20	0.37	13.617	16	33.2	10.89	16	33.2	K0 M	13B	5464	J -27 5876
28		8.9A	43 22.706	0.0004	18	-22 4 26.92	0.003	13	0.31	22.698	16	33.2	26.97	16	33.2	K J	13A	3876	A -21 2577
29		8.7R	43 23.129	-0.0003	18	-24 42 51.41	0.018	18	0.34	23.134	16	33.2	51.72	16	33.2	A0 J	14	6736	E -24 7370
30		7.8I	43 23.798	-0.0024	22	-28 1 4.14	-0.002	22	1.06	23.907	18	03.3	4.03	19	03.5		GC	12073V	C*-27 5879
31		9.3A	43 25.288	0.0001	18	-21 12 23.34	-0.008	13	0.31	25.285	16	33.2	23.20	16	33.2	A J	13A	3877	A -20 2672
32		8.6R	43 29.143	-0.0000	20	-26 0 56.70	-0.019	20	0.37	29.144	16	33.2	56.37	16	33.2	G5 J	14	6739	E -25 6533
33		9.2R	43 29.248	0.0027	15	-22 33 11.33	-0.032	15	0.30	29.203	16	33.2	10.78	16	33.2	G5 J	14	6737	E -22 6569
34		9.3R	43 34.877	-0.0022	12	-25 25 42.97	0.025	12	0.26	34.914	16	33.2	43.40	16	33.2	F0 J	14	6741	E -25 6535
35		9.1R	43 35.581	0.0002	20	-29 42 59.59	0.017	20	0.37	35.578	16	33.2	59.87	16	33.2	A2 J	13B	5467	J -29 6714
36		9.0R	43 36.978	-0.0018	20	-25 30 11.40	0.022	20	0.37	37.008	16	33.2	11.76	16	33.2	F5 J	14	6743	E -25 6539
37		9.3R	43 37.430	0.0014	15	-22 33 47.49	0.014	15	0.30	37.406	16	33.2	47.72	16	33.2	G0 J	14	6740	E -22 6574
38		8.6R	43 38.839	-0.0030	12	-22 32 9.12	-0.008	17	0.29	38.890	16	33.2	8.98	16	33.2	K2 J	14	6742	E -22 6576
39		6.0T	43 39.439	-0.0024	14	-25 12 16.80	0.028	12	0.68	39.562	18	99.3	18.20	15	00.5	A0	GC	12082	C -24 7377
40		7.7R	43 42.512	-0.0008	20	-27 40 23.55	0.035	20	0.37	42.525	16	33.2	24.13	16	33.2	A2 J	13B	5469	J -27 5886
41		9.0R	43 49.836	0.0001	18	-22 32 23.07	0.016	18	0.34	49.833	16	33.2	23.33	16	33.2	K0 J	14	6745	E -22 6580
42		9.1R	43 51.853	-0.0001	17	-28 58 1.14	-0.026	17	0.32	51.855	16	33.2	1.59	16	33.2	G0 M	13B	5470	J -28 6504
43		8.5R	43 58.987	0.0017	18	-24 29 41.18	-0.036	18	0.34	58.957	16	33.2	40.58	16	33.2	K5 J	14	6746	E -24 7387
44		7.3T	44 1.408	-0.0013	08	-26 25 45.31	-0.009	07	0.32	1.463	09	08.0	44.92	09	08.3	+++	GC	12098	C*-26 6417
45		8.1A	44 2.947	-0.0138	20	-20 14 40.09	0.024	15	0.33	3.179	16	33.2	40.48	16	33.2	G0 J	13A	3883	A -19 2522
46		9.3R	44 10.495	-0.0013	18	-25 12 2.83	-0.016	18	0.34	10.517	16	33.2	2.57	16	33.2	A0 J	14	6748	E -24 7393
47		9.0R	44 12.733	-0.0025	20	-27 31 18.98	0.043	20	0.37	12.775	16	33.2	19.69	16	33.2	F0 J	13B	5472	J -27 5902
48		9.2R	44 14.243	0.0006	15	-22 35 22.42	0.033	12	0.28	14.232	16	33.2	22.97	16	33.2	M M	14	6749	E -22 6586
49		9.2A	44 16.107	-0.0049	20	-21 41 56.18	0.018	15	0.33	16.189	16	33.2	56.48	16	33.2	F5 J	13A	3886	A -21 2582
50		8.6R	44 18.036	0.0012	15	-22 47 48.85	0.027	15	0.30	18.016	16	33.2	49.30	16	33.2	K0 J	14	6750	E -22 6588
51		8.1T	8 44 18.065	-0.0005	15	-26 26 37.75	0.031	12	0.72	18.090	21	00.4	39.42	18	95.3	K0	GC	12107	C -26 6423
52		8.5R	44 21.671	0.0005	20	-27 45 14.72	-0.027	20	0.37	21.663	16	33.2	14.26	16	33.2	K2 J	13B	5475	J -27 5907
53		9.0R	44 23.842	0.0005	18	-24 8 33.96	-0.061	18	0.34	23.833	16	33.2	32.94	16	33.2	K0 M	14	6752	E -23 7737
54		8.2R	44 24.795	-0.0036	17	-28 20 28.99	-0.012	17	0.32	24.855	16	33.2	28.78	16	33.2	K2 M	13B	5476	J -28 6513
55		8.6R	44 26.867	0.0008	18	-22 30 42.09	0.003	18	0.34	26.853	16	33.2	42.14	16	33.2	B9 J	14	6753	E -22 6593
56		9.1R	44 27.465	0.0071	20	-22 36 14.36	-0.061	20	0.37	27.345	16	33.2	13.50	16	33.2	G M	14	6754	E -22 6592
57		7.6T	44 29.797	0.0001	13	-29 34 27.63	-0.008	13	0.71	29.792	18	98.5	27.21	18	97.2	K0	GC	12115	C -29 6734
58		7.6T	44 31.050	-0.0018	13	-29 32 38.76	-0.010	12	0.70	31.142	18	98.8	38.23	18	96.7	R8	GC	12117	C*-29 6735
59		8.1R	44 31.407	-0.0024	17	-28 27 19.69	-0.001	17	0.32	31.448	16	33.2	19.67	16	33.2	K0 J	13B	5479	J -28 6517
60		9.8R	44 34.138	-0.0012	18	-24 32 43.11	0.023	18	0.34	34.159	16	33.2	43.50	16	33.2	A5 M	14	6755	E -24 7400
61		9.2A	44 42.889	-0.0009	18	-21 28 56.45	0.003	15	0.32	42.905	16	33.2	56.50	16	33.2	A2 J	13A	3891	A -21 2587
62		9.5R	44 44.371	0.0024	20	-26 30 0.96	0.022	20	0.37	44.331	16	33.2	1.32	16	33.2	A0 M	14	6757	E -26 6435
63		9.3R	44 51.959	-0.0023	20	-29 7 17.40	0.006	20	0.37	51.997	16	33.2	17.51	16	33.2	F5 M	13B	5483	J -28 6528
64		8.4A	44 53.875	0.0008	18	-20 8 23.76	-0.014	13	0.32	53.861	18	33.1	23.51	16	33.1	A0 J	12B	3893	A -19 2526
65		9.6R	44 58.387	-0.0025	18	-23 38 51.61	0.104	18	0.34	58.428	16	33.2	53.36	16	33.2	K0 M	14	6758	E -23 7750
66		9.1R	45 5.385	0.0016	15	-27 9 27.18	0.012	15	0.30	5.357	16	33.2	27.38	16	33.2	K0 M	14	6759	E -26 6443
67		8.2R	45 12.467	-0.0029	15	-27 34 53.61	0.023	15	0.30	12.517	16	33.2	53.99	16	33.2	A0 J	13B	5487	J -27 5922
68		9.7R	45 12.725	0.0034	20	-22 50 5.47	-0.069	20	0.37	12.668	16	33.2	4.30	16	33.2		14	6760	E -22 6607
69		8.6R	45 13.279	-0.0014	18	-26 52 1.03	-0.018	18	0.34	13.303	16	33.2	0.72	16	33.2	K0 J	14	6761	E -26 6446
70		9.3A	45 14.381	0.0004	18	-20 28 59.30	-0.007	13	0.31	14.375	16	33.2	59.17	16	33.2	A3 J	13A	3895	A -20 2680
71		8.5R	45 16.847	-0.0007	18	-24 0 32.68	0.014	18	0.34	16.859	16	33.2	32.92	16	33.2	F8 J	14	6762	E -23 7754
72		9.0R	45 18.291	-0.0033	12	-28 37 17.70	0.026	12	0.26	18.346	16	33.2	18.15	16	33.2	A0 J	13B	5489	J -28 6537
73		9.5R	45 22.081	0.0002	20	-26 17 58.75	0.017	20	0.37	22.078	16	33.2	59.03	16	33.2	A2 J	14	6763	E -26 6449
74		9.0R	45 22.156	0.0012	17	-29 1 47.44	0.017	17	0.32	22.135	16	33.2	47.73	16	33.2	G5 M	13B	5490	J -28 6539
75		9.3A	45 26.025	-0.0027	18	-21 23 14.72	-0.002	13	0.31	26.070	16	33.2	14.68	16	33.2	F8 J	13A	3898	A -21 2591
76		8.7R	45 26.175	-0.0042	20	-29 29 12.23	0.021	20	0.37	26.245	16	33.2	12.58	16	33.2	G5 J	13B	5491	J -29 6757
77		8.4A	45 26.380	-0.0023	17	-20 36 13.24	0.005	13	0.30	26.419	16	33.2	13.32	16	33.2	K2 J	13A	3897	A -20 2682
78		7.7R	45 27.026	-0.0000	15	-24 12 30.39	0.017	15	0.30	27.026	16	33.2	30.68	16	33.2	A0 J	14	6764	E -23 7756
79		8.6R	45 27.363	0.0006	18	-25 56 13.71	-0.029	18	0.34	27.353	16	33.2	13.22	16	33.2	G0 J	14	6765	E -25 6574
80		8.9R	45 28.933	-0.0030	21	-28 11 10.56	-0.061	21	0.38	28.983	16	33.2	9.53	16	33.2	F5 J	13B	5492	J -27 5927
81		8.1R	45 30.695	-0.0066	20	-28 11 18.21	-0.081	20	0.37	30.806	16	33.2	16.84	16	33.2	F5 J	13B	5493	J -27 5927
82		9.4A	45 31.416	-0.0013	20	-21 42 56.16	-0.035	15	0.33	31.439	16	33.2	55.57	16	33.2	G0 J	13A	3900	A -21 2592
83		9.1R	45 33.426	0.0009	18	-24 9 34.71	-0.028	18	0.34	33.410	16	33.2	34.24	16	33.2	F8 M	14	6766	E -23 7757
84		9.0R	45 35.422	-0.0024	20	-29 52 51.15	-0.056	20	0.37	35.463	16	33.2	50.21	16	33.2	A7 M	13B	5496	J -29 6766
85		9.7R	45 35.462	0.0018	18	-23 55 30.71	0.002	18	0.34	35.432	16	33.2	30.75	16	33.2	K0 M	14	6767	E -23 7758
86		9.1R	45 43.221	0.0010	18	-23 13 16.37	-0.021	18	0.34	43.204	16	33.2	16.01	16	33.2	K2 M	14	6768	E -22 6617
87		9.2R	45 47.602	-0.0021	18	-24 11 33.29	0.002	18	0.34	47.638	16	33.2	33.33	16	33.2	K2 M	14	6769	E -23 7762
88		9.4A	45 49.343	0.0002	18	-22 4 39.57	0.019	13	0.31	49.339	16	33.2	39.89	16	33.2	A J	13A	3901	A -21 2595
89		9.4A	45 50.946	0.0017	18	-22 13 4.00	0.008	15	0.32	50.918	16	33.2	4.14	16	33.2	A0 J	13A	3902	A -21 2596
90		9.4R	45 53.361	0.0010	17	-29 15 5.93	0.020	17	0.32	53.345	16	33.2	6.28	16	33.2	G5 M	13B	5497	J -28 6556
91		9.3R	45 53.612	-0.0029	20	-29 2 57.54	0.007	20	0.37	53.661	16	33.2	57.66	16	33.2	A0 J	13B	5498	J -28 6554
92		9.1R	46 0.254	-0.0013	20	-27 34 35.59	-0.027	20	0.37	0.276	16	33.2	35.15	16	33.2	K5 M	13B	5500	J -27 5937
93		9.6R	46 3.860	0.0018	18	-24 11 15.53	0.011	18	0.34	3.829	16	33.2	15.72	16	33.2	F5 M	14	6771	E -23 7767
94		8.9A	46 4.302	-0.0007	18	-21 9 36.33	0.003	13	0.31	4.314	16	33.2	36.38	16	33.2	A0 J	13A	3904	A -20 2687
95		9.5R	46 4.609	0.0020	18	-24 5 16.73	-0.009	18	0.34	4.576	16	33.2	16.58	16	33.2	K0 M	14	6772	E -23 7768
96		6.8T	46 7.975	-0.0027	12	-28 27 10.63	-0.005	12	0.66	8.112	18	98.4	10.34	18	97.0	M0	GC	12161	C -28 6562
97		9.4R	46 8.076	0.0019	18	-25 49 31.37	-0.026	18	0.34	8.044	16	33.2	30.93	16	33.2	G0 J	14	6774	E -25 6586
98		8.4R	46 8.335	0.0005	18	-22 57 12.47	0.016	18	0.34	8.326	16	33.2	12.73	16	33.2	K0 J	14	6773	E -22 6624
99		8.7R	46 8.349	0.0003	20	-27 34 58.68	-0.013	20	0.37	8.344	16	33.2	58.46	16	33.2	A2 J	13B	5503	J -27 5939
00		8.7A	46 9.325	0.0000	20	-21 42 11.27	-0.003	15	0.33	9.325	16	33.2	11.22	16	33.2	F2 J	13A	3905	A -21 2597

176500			EPOCH 1950							ORIGINAL EPOCH						SP.	SOURCE		-20° 8H
NUMBER	MAGNITUDES m_{pg}	m_v	α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.		CAT.	STAR NUMBER	DM NUMBER
1		9.3R	8 46 12.834	-0.0027	12	-28 9 36.64	-0.032	12	0.26	12.880	16	33.2	36.10	16	33.2	G5 M	13B	5505	J -27 5941
2		9.1R	46 13.717	-0.0013	18	-24 24 15.58	0.006	18	0.34	13.738	16	33.2	15.68	16	33.2	A0 J	14	6775	E -24 7424
3		9.3R	46 14.484	-0.0009	15	-26 56 8.47	0.002	15	0.30	14.499	16	33.2	8.50	16	33.2	K5 M	14	6776	E -26 6463
4		9.5R	46 20.441	-0.0012	18	-23 21 48.04	-0.018	18	0.34	20.460	16	33.2	47.73	16	33.2	A0 M	14	6777	E -23 7773
5		8.9R	46 21.553	0.0003	18	-25 58 39.08	-0.011	18	0.34	21.547	16	33.2	38.89	16	33.2	B9 J	14	6779	E -25 6589
6		9.4R	46 21.954	-0.0007	18	-24 36 52.14	0.012	18	0.34	21.966	16	33.2	52.35	16	33.2	K0 M	14	6778	E -24 7428
7		9.3R	46 22.941	-0.0019	20	-29 42 15.62	0.014	20	0.37	22.973	16	33.2	15.85	16	33.2	F5 M	13B	5506	J -29 6787
8		8.0R	46 27.781	-0.0000	20	-25 28 6.13	-0.007	20	0.37	27.782	16	33.2	6.02	16	33.2	A2 J	14	6780	E -25 6590
9		8.4R	46 32.645	0.0021	18	-25 15 33.20	0.010	18	0.34	32.610	16	33.2	33.37	16	33.2	K5 J	14	6781	E -24 7431
10		9.2R	46 32.791	0.0040	17	-29 59 22.02	0.024	17	0.32	32.724	16	33.2	22.42	16	33.2	K0 M	13B	5510	J -29 6791
11		9.1R	46 33.559	-0.0017	17	-29 23 25.54	-0.003	17	0.32	33.588	16	33.2	25.49	16	33.2	A0 J	13B	5511	J -29 6790
12		9.0R	46 35.253	-0.0001	18	-22 59 35.56	0.008	18	0.34	35.254	16	33.2	35.69	16	33.2	A0 J	14	6782	E -22 6631
13		8.4R	46 35.738	-0.0042	20	-27 33 16.05	-0.054	20	0.37	35.609	16	33.2	15.14	16	33.2	K0 J	13B	5512	J -27 5949
14		8.9R	46 40.761	0.0006	18	-22 41 16.00	0.029	18	0.34	40.750	16	33.2	16.48	16	33.2	A0 J	14	6783	E -22 6632
15		9.2A	46 46.510	0.0022	18	-21 2 46.68	0.026	13	0.31	46.474	16	33.2	47.12	16	33.2	A3 J	13A	3911	A -20 2690
16		9.2R	46 49.240	0.0002	12	-28 36 49.43	0.008	12	0.26	49.238	16	33.2	49.57	16	33.2	G0 M	13B	5515	J -28 6572
17		9.2R	46 58.595	0.0004	18	-22 34 45.53	0.028	18	0.34	58.587	16	33.2	45.99	16	33.2	G5 M	14	6785	E -22 6636
18		9.0R	46 58.777	-0.0027	18	-24 30 8.73	-0.009	18	0.34	58.822	16	33.2	8.58	16	33.2	K0 M	14	6786	E -24 7438
19		9.1A	46 59.976	-0.0016	18	-20 17 13.41	-0.009	13	0.31	59.949	16	33.2	13.25	16	33.2	K5 J	13A	3912	A -19 2537
20		9.3R	47 2.371	-0.0070	20	-26 54 39.95	0.002	20	0.37	2.488	16	33.2	40.00	16	33.2	A5 M	14	6788	E -26 6478
21		9.5R	47 3.329	0.0012	18	-24 22 9.68	-0.020	18	0.34	3.309	16	33.2	9.35	16	33.2	G5 M	14	6787	E -24 7441
22		9.0R	47 7.130	-0.0021	20	-27 31 7.69	0.021	20	0.37	7.166	16	33.2	8.04	16	33.2	K0 J	13B	5517	J -27 5960
23		7.8R	47 8.529	-0.0012	20	-26 14 16.07	0.003	20	0.37	8.550	16	33.2	16.11	16	33.2	A0 J	14	6790K	E -25 6604
24		9.0R	47 9.183	-0.0048	20	-27 54 39.08	-0.033	20	0.37	9.265	16	33.2	38.52	16	33.2	G5 M	13B	5520	J -27 5963
25		9.2R	47 10.483	-0.0008	18	-23 37 44.19	0.023	18	0.34	10.496	16	33.2	44.58	16	33.2	A5 M	14	6789	E -23 7788
26		8.7R	47 14.230	-0.0021	15	-22 25 13.20	0.031	15	0.30	14.265	16	33.2	13.72	16	33.2	K5 J	14	6791	E -22 6638
27		9.2R	47 17.229	0.0002	15	-24 3 46.28	-0.037	15	0.30	17.225	16	33.2	45.66	16	33.2	K0 M	14	6792	E -23 7789
28		9.5R	47 18.270	-0.0002	18	-23 45 36.26	-0.004	18	0.34	18.274	16	33.2	36.20	16	33.2	K	14	6794	E -23 7790
29		8.8R	47 18.532	0.0012	18	-24 35 59.21	0.017	18	0.34	18.512	16	33.2	59.48	16	33.2	K7 M	14	6795	E -24 7445
30		9.7R	47 24.390	0.0009	20	-23 12 53.20	0.007	20	0.37	24.375	16	33.2	53.31	16	33.2	K0 M	14	6797	E -22 6641
31		9.0R	47 24.770	-0.0023	15	-26 55 16.53	-0.010	15	0.30	24.808	16	33.2	16.37	16	33.2	F5 J	14	6799	E -26 6486
32		8.5R	47 24.935	-0.0004	15	-22 34 10.53	0.044	15	0.30	24.942	16	33.2	11.26	16	33.2	K5 J	14	6796	E -22 6640
33		8.9R	47 27.200	-0.0009	20	-25 19 40.62	0.150	20	0.37	27.216	16	33.2	43.15	16	33.2	F5 J	14	6800	E -25 6612
34		9.1R	47 27.790	-0.0005	18	-23 43 46.67	0.001	18	0.34	27.798	16	33.2	46.69	16	33.2	K0 M	14	6798	E -23 7793
35		6.4T	47 30.135	0.0001	11	-20 51 38.98	-0.068	10	0.40	30.133	14	15.3	36.42	15	12.3	A3	GC	12188	-20 2893
36		7.5R	47 35.191	-0.0045	20	-28 4 9.54	-0.042	20	0.37	35.266	16	33.2	8.83	16	33.2	A0 J	13B	5526	J -27 5970
37		9.4R	47 35.506	-0.0001	18	-22 32 50.00	0.013	18	0.34	35.508	16	33.2	50.21	16	33.2	K2 M	14	6801	E -22 6645
38		9.0R	47 46.112	0.0026	20	-27 24 45.24	-0.005	20	0.37	46.068	16	33.2	45.16	16	33.2	K0 M	13B	5529	J -27 5972
39		8.0R	47 47.051	-0.0004	18	-23 45 55.60	0.010	18	0.34	47.058	16	33.2	55.77	16	33.2	K2 J	14	6802	E -23 7797
40		8.5R	47 47.510	-0.0007	18	-24 23 33.46	0.010	18	0.34	47.521	16	33.2	33.63	16	33.2	A0 J	14	6803	E -24 7453
41		8.8R	47 48.143	-0.0021	17	-29 28 47.61	0.028	17	0.32	48.177	16	33.2	48.09	16	33.2	K2 J	13B	5531	J -29 6819
42		8.9R	47 49.878	0.0029	20	-27 43 29.23	-0.001	20	0.37	49.829	16	33.2	29.21	16	33.2	A5 J	13B	5530	J -27 5975
43		9.4R	47 50.082	-0.0003	18	-22 21 28.39	0.016	18	0.34	50.088	16	33.2	28.66	16	33.2	K0 M	14	6804	E -22 6650
44		9.4A	47 53.153	0.0012	18	-21 45 31.03	0.017	13	0.31	53.132	16	33.2	31.32	16	33.2	F0 J	13A	3920	A -21 2603
45		8.4R	47 53.266	-0.0016	17	-25 35 7.23	0.011	17	0.32	53.294	16	33.2	7.41	16	33.2	K0 J	14	6805	E -25 6622
46		6.0T	47 56.372	-0.0014	04	-29 16 33.15	0.004	04	0.18	56.429	06	10.3	33.33	07	08.3	G5	GC	12202	C -28 6600
47		9.2A	48 7.326	-0.0008	20	-21 42 58.72	0.039	15	0.33	7.340	16	33.2	59.37	16	33.2	F8 J	13A	3921	A -21 2605
48		9.5R	48 8.643	0.0045	20	-24 3 35.41	-0.004	20	0.37	8.567	16	33.2	35.34	16	33.2	F0 M	14	6806	E -23 7805
49		8.2A	48 10.065	-0.0006	17	-20 57 25.60	0.019	12	0.29	10.074	16	33.2	25.92	16	33.2	B9 J	13A	3922	A -20 2594
50		9.0R	48 11.291	0.0010	13	-29 43 29.95	0.027	13	0.27	11.275	16	33.2	30.40	16	33.2	K0 M	13B	5534	J -29 6826
51		7.7R	8 48 13.128	-0.0009	20	-28 40 24.68	0.014	20	0.37	13.144	16	33.2	24.91	16	33.2	A3 J	13B	5535	J -28 6607
52		9.0R	48 13.623	-0.0016	20	-29 57 58.34	-0.004	20	0.37	13.650	16	33.2	58.27	16	33.2	K0 M	13B	5538	J -29 6828
53		8.9R	48 14.749	-0.0001	20	-28 33 22.81	0.013	20	0.37	14.750	16	33.2	23.03	16	33.2	K0 M	13B	5537	J -28 6608
54		6.0T	48 14.815	-0.0019	12	-28 25 49.36	-0.025	09	0.59	14.911	17	97.8	47.94	18	94.1	B9	GC	12212	C -28 6610
55		9.2R	48 17.022	-0.0027	17	-27 17 9.31	-0.039	17	0.32	17.067	16	33.2	8.65	16	33.2	F0 M	13B	5539	J -27 5983
56		8.4R	48 17.251	-0.0011	20	-29 4 59.81	0.014	20	0.37	17.271	16	33.2	+ 0.05	16	33.2	K5 J	13B	5540	J -28 6614
57		8.9R	48 17.793	0.0009	20	-25 34 20.47	-0.046	20	0.37	17.779	16	33.2	19.69	16	33.2	G0 J	14	6807	E -25 6631
58		8.1R	48 21.142	-0.0000	20	-28 12 8.65	-0.013	17	0.34	21.143	16	33.2	8.43	16	33.2	K5 J	13B	5541	J -27 5984
59		4.2H	48 24.519	-0.0100	02	-27 31 24.55	0.082	02	0.09	24.841	04	17.9	27.31	05	16.4	K2	F4	332	C -27 5986
60		8.7R	48 24.709	-0.0023	20	-28 50 5.71	0.027	20	0.37	24.748	16	33.2	6.16	16	33.2	A0 J	13B	5543	J -28 6617
61		9.4R	48 25.175	-0.0011	18	-23 36 52.00	-0.009	18	0.34	25.193	16	33.2	51.85	16	33.2	F5 M	14	6809	E -23 7809
62		9.5R	48 26.047	-0.0009	18	-22 16 6.49	0.020	18	0.34	26.062	16	33.2	6.82	16	33.2	K5 M	14	6808	E -22 6659
63		8.5R	48 26.773	0.0008	20	-27 55 2.35	0.002	20	0.37	26.760	16	33.2	2.39	16	33.2	K5 J	13B	5544	J -27 5987
64		9.1A	48 26.906	-0.0046	20	-22 4 32.73	0.012	15	0.33	26.983	16	33.2	32.93	16	33.2	F5 J	13A	3925	A -21 2608
65		8.3A	48 28.314	-0.0039	15	-20 53 57.76	0.017	11	0.27	28.378	16	33.2	58.04	16	33.2	B9 J	13A	3926	A -20 2697
66		8.3R	48 29.523	-0.0037	20	-29 33 51.85	-0.072	20	0.37	29.585	16	33.2	50.64	16	33.2	F5 J	13B	5546	J -29 6832
67		9.0R	48 30.212	-0.0031	20	-24 26 21.96	0.007	15	0.33	30.264	16	33.2	22.08	16	33.2	K0 M	14	6811	E -24 7468
68		9.1R	48 31.435	-0.0012	20	-27 56 0.69	-0.057	20	0.37	31.456	16	33.2	59.72	16	33.2	K0 M	13B	5545	J -27 5989
69		8.6R	48 32.461	0.0014	18	-23 1 55.03	0.067	18	0.34	32.438	16	33.2	56.15	16	33.2	A0 J	14	6812	E -22 6662
70		9.1A	48 36.190	-0.0006	18	-21 59 53.67	-0.003	13	0.31	36.201	16	33.2	53.62	16	33.2	K2 J	13A	3928	A -21 2609
71		7.6R	48 37.595	-0.0006	20	-25 55 50.22	-0.021	20	0.37	37.605	16	33.2	49.86	16	33.2	G5 J	14	6813	E -25 6636
72		9.2R	48 45.705	-0.0026	20	-26 44 54.39	0.017	20	0.37	45.749	16	33.2	54.68	16	33.2	A0 J	14	6814	E -26 6500
73		9.2A	48 46.142	0.0003	18	-20 36 58.43	0.019	13	0.31	46.147	16	33.2	58.75	16	33.2	F2 J	13A	3929	A -20 2700
74		9.0R	48 48.403	-0.0008	20	-25 39 27.43	0.017	20	0.37	48.416	16	33.2	27.71	16	33.2	K2 M	14	6815	E -25 6641
75		9.1R	48 50.283	-0.0023	20	-28 26 56.24	0.041	20	0.37	50.322	16	33.2	56.92	16	33.2	G5 M	13B	5547	J -28 6624
76		8.5A	48 50.847	0.0022	18	-22 10 11.37	0.011	13	0.31	50.811	16	33.2	11.55	16	33.2	K0 J	13A	3930	A -21 2610
77		9.3R	48 53.584	-0.0003	20	-29 13 7.61	-0.021	20	0.37	53.588	16	33.2	7.26	16	33.2	A2 M	13B	5550	J -28 6627
78		9.3R	48 54.588	0.0005	18	-25 10 10.58	-0.027	18	0.34	54.579	16	33.2	10.13	16	33.2	K5 M	14	6818	E -24 7480
79		9.5R	48 56.163	-0.0029	20	-26 48 36.15	0.015	20	0.37	56.205	16	33.2	36.40	16	33.2	A0 M	14	6821	E -26 6501
80		9.0R	48 56.652	-0.0022	20	-22 41 54.70	0.021	20	0.37	56.689	16	33.2	55.05	16	33.2	A5 M	14	6816	E -22 6671
81		8.1R	48 56.768	0.0006	18	-22 50 58.52	0.013	18	0.34	56.757	16	33.2	58.73	16	33.2	K5 J	14	6817	E -22 6670
82		9.1R	48 57.674	-0.0006	18	-25 11 0.62	-0.021	18	0.34	57.685	16	33.2	0.27	16	33.2	K0 M	14	6820	E -24 7481
83		9.5R	48 58.745	-0.0001	18	-23 46 41.34	0.067	18	0.34	58.746	16	33.2	42.47	16	33.2	F8 M	14	6819	E -23 7816
84		9.3R	48 59.428	-0.0011	20	-26 38 13.80	-0.027	20	0.37	59.447	16	33.2	13.34	16	33.2	K M	14	6822	E -26 6503
85		9.2R	49 2.145	-0.0004	18	-24 18 53.40	0.022	18	0.34	2.152	16	33.2	53.77	16	33.2	K0 M	14	6823	E -24 7485
86		8.0A	49 3.508	-0.0013	17	-20 19 42.05	0.011	13	0.30	3.530	16	33.2	48.42	16	33.2	F8 J	13A	3933	A -19 2548
87		9.7R	49 11.068	-0.0041	20	-22 38 42.77	0.006	20	0.37	11.137	16	33.2	42.86	16	33.2	K0 M	14	6824	E -22 6673
88		7.3R	49 28.056	-0.0029	18	-26 1 4.29	-0.010	18	0.34	28.105	16	33.2	4.11	16	33.2	K5 J	14	6827	E -25 6656
89		9.0R	49 28.223	0.0004	18	-24 33 33.86	0.012	18	0.34	28.215	16	33.2	34.06	16	33.2	A0 J	14	6826	E -24 7489
90		9.6R	49 28.907	-0.0037	21	-23 26 7.92	-0.000	21	0.38	28.969	16	33.2	7.91	16	33.2	G M	14	6825	E -23 7825
91		8.6A	49 30.309	-0.0024	18	-20 24 39.07	0.018	13	0.31	30.349	16	33.2	39.36	16	33.2	A0 J	13A	3934	A -20 2701
92		9.3R	49 32.150	-0.0049	20	-27 57 43.66	-0.010	20	0.37	32.233	16	33.2	43.50	16	33.2	K0 M	13B	5558	J -27 6003
93		9.2R	49 37.926	-0.0006	17	-28 52 37.58	0.029	17	0.32	37.936	16	33.2	38.08	16	33.2	A0 J	13B	5560	J -28 6640
94		8.8R	49 38.846	-0.0021	15	-28 7 22.15	-0.001	15	0.30	38.882	16	33.2	22.13	16	33.2	K0 M	13B	5561	J -27 6006
95		9.4R	49 39.710	0.0001	18	-26 50 11.99	-0.013	18	0.34	39.707	16	33.2	11.77	16	33.2	F0 J	14	6828	E -26 6514
96		8.0R	49 41.682	0.0016	17	-29 16 30.08	-0.055	17	0.32	41.855	16	33.2	29.16	16	33.2	F5 J	13B	5562	J -28 6642
97		8.9A	49 43.122	0.0026	18	-22 4 2.65	-0.015	13	0.31	43.078	16	33.2	2.40	16	33.2	K0 J	13A	3935	A -21 2615
98		9.3R	49 49.251	0.0022	12	-29 53 50.78	-0.049	12	0.26	49.215	16	33.2	49.96	16	33.2	G M	13B	5565	J -29 6858
99		7.6T	49 50.660	-0.0010	12	-27 27 10.47	-0.016	10	0.62	50.710	18	98.2	9.57	18	95.3	F0	GC	12251	C -27 6008
100		9.1A	49 53.132	0.0006	18	-21 43 39.19	0.003	13	0.31	53.122	16	33.2	39.24	16	33.2	K7 J	13A	3936	A -21 2617

1766 00			EPOCH 1950							ORIGINAL EPOCH							SP.		SOURCE		-20° 8H
NUMBER	MAGNITUDES m_{pg}	m_v	α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.			CAT.	STAR NUMBER	DM NUMBER
1		8.7R	8 49 56.062	-0.0008	17	-27 17 41.72	-0.012	17	0.32	56.075	16	33.2	41.51	16	33.2	B9	J	13B	5568	J -27 6009
2		8.7R	49 56.390	-0.0005	17	-29 14 17.33	0.028	17	0.32	56.398	16	33.2	17.81	16	33.2	K2	J	13B	5570	J -28 6646
3		8.7R	50 0.579	-0.0010	18	-25 21 22.84	-0.004	18	0.34	0.562	16	33.2	22.78	16	33.2	A0	J	14	6829	E -25 6666
4		8.5R	50 2.889	-0.0004	17	-28 58 5.21	0.020	17	0.32	2.896	16	33.2	5.55	16	33.2	A0	J	13B	5572	J -28 6649
5		9.0R	50 3.408	-0.0001	20	-27 57 59.60	-0.027	20	0.37	3.410	16	33.2	59.15	16	33.2	A3	J	13B	5571	J -27 6013
6		9.1A	50 3.423	0.0019	18	-22 5 39.71	0.008	13	0.31	3.391	16	33.2	39.85	16	33.2	G0	J	13A	3938	A -21 2619
7		8.9R	50 9.812	-0.0110	20	-27 34 4.85	0.024	17	0.34	9.997	16	33.2	5.26	16	33.2	G0	M	13B	5574	J -27 6016
8		8.3A	50 10.716	-0.0004	15	-21 18 11.35	-0.016	11	0.27	10.723	16	33.2	11.08	16	33.2	K2	J	13A	3941	A -20 2703
9		8.6A	50 10.961	-0.0012	18	-20 20 36.98	0.027	15	0.32	10.982	16	33.2	37.42	16	33.2	A0	J	13A	3940	A -19 2555
10		9.3R	50 12.133	0.0032	18	-26 14 58.45	-0.009	18	0.34	12.080	16	33.2	58.29	16	33.2	K2	M	14	6832	E -25 6670
11		9.2R	50 14.169	0.0014	18	-23 44 9.86	-0.017	18	0.34	14.146	16	33.2	9.58	16	33.2			14	6831	E -23 7838
12		8.3R	50 18.011	-0.0002	17	-28 1 1.76	-0.005	17	0.32	18.015	16	33.2	1.67	16	33.2	K5	J	13B	5575	J -27 6020
13		9.4R	50 21.378	0.0004	18	-24 33 54.73	-0.002	18	0.34	21.372	16	33.2	54.70	16	33.2	K2	M	14	6833	E -24 7500
14		9.5R	50 22.153	-0.0018	20	-27 26 50.79	-0.013	20	0.37	22.183	16	33.2	50.57	16	33.2	K	M	13B	5576	J -27 6023
15		7.9R	50 23.478	-0.0004	18	-25 15 16.11	-0.038	18	0.34	23.485	16	33.2	15.47	16	33.2	K0	J	14	6834	E -24 7501
16		8.1R	50 25.798	-0.0018	17	-28 48 3.17	-0.021	17	0.32	25.829	16	33.2	2.82	16	33.2	K2	J	13B	5578	J -28 6662
17		8.9A	50 27.224	0.0017	18	-21 32 19.32	-0.002	13	0.31	27.196	16	33.2	19.29	16	33.2	M0	J	13A	3942	A -21 2620
18		7.7R	50 28.737	-0.0010	20	-29 41 16.20	0.047	20	0.37	28.753	16	33.2	16.99	16	33.2	K2	J	13B	5581	J -29 6876
19		8.7R	50 28.896	-0.0049	20	-28 19 3.88	0.029	20	0.37	28.979	16	33.2	4.37	16	33.2	K0	M	13B	5580	J -28 6663
20		9.1R	50 32.862	-0.0006	18	-27 15 17.83	-0.039	18	0.34	32.873	16	33.2	17.17	16	33.2	F2	J	13B	5583	J -26 6531
21		9.4R	50 32.894	0.0009	15	-24 42 45.46	0.010	15	0.30	32.879	16	33.2	45.63	16	33.2	G5	M	14	6835	E -24 7504
22		7.5R	50 33.075	-0.0020	20	-29 48 2.69	0.005	20	0.37	33.108	16	33.2	2.77	16	33.2	K0	J	13B	5584	J -29 6880
23		8.6R	50 37.293	-0.0019	18	-26 45 30.45	0.022	18	0.34	37.325	16	33.2	30.81	16	33.2	G0	J	14	6837	E -26 6533
24		9.4R	50 39.245	-0.0029	18	-24 5 25.94	0.007	18	0.34	39.294	16	33.2	26.06	16	33.2	G0	M	14	6836	E -23 7844
25		8.7A	50 40.862	0.0002	18	-22 5 56.51	0.004	13	0.31	40.858	16	33.2	56.58	16	33.2	K5	J	13A	3943	A -21 2622
26		9.5R	50 41.385	0.0012	20	-23 7 18.00	0.048	20	0.37	41.364	16	33.2	18.80	16	33.2	G	M	14	6838	E -22 6690
27		9.0R	50 42.150	-0.0013	20	-28 51 14.16	-0.002	20	0.37	42.171	16	33.2	14.14	16	33.2	F8	J	13B	5585	J -28 6666
28		9.0R	50 44.538	-0.0008	17	-28 25 27.00	-0.010	17	0.32	44.551	16	33.2	26.84	16	33.2	K0	M	13B	5586	J -28 6667
29		9.2R	50 45.352	-0.0029	21	-23 19 44.44	0.053	21	0.38	45.400	16	33.2	45.32	16	33.2	K2	M	14	6839	E -23 7845
30		9.3R	50 46.527	-0.0018	12	-27 53 57.20	0.002	12	0.26	46.558	16	33.2	57.24	16	33.2	K2	M	13B	5587	J -27 6032
31		8.2A	50 52.381	-0.0019	18	-21 55 37.04	0.001	13	0.31	52.413	16	33.2	37.05	16	33.2	F5	J	13A	3944	A -21 2623
32		8.9R	50 58.077	0.0003	12	-28 40 57.01	0.013	12	0.26	58.071	16	33.2	57.23	16	33.2	A5	J	13B	5589	J -28 6670
33		9.2R	50 58.233	-0.0003	17	-29 56 26.59	0.015	17	0.32	58.238	16	33.2	26.84	16	33.2			13B	5591	J -29 6888
34		8.7R	50 59.373	-0.0030	17	-29 38 30.09	-0.002	17	0.32	59.424	16	33.2	30.05	16	33.2	F2	J	13B	5592	J -29 6890
35		7.7R	50 59.982	-0.0012	12	-28 10 4.86	-0.007	12	0.26	+ 0.003	16	33.2	4.74	16	33.2	K0	J	13B	5590	J -27 6036
36		9.1R	51 5.653	-0.0017	20	-27 44 33.45	-0.052	20	0.37	5.681	16	33.2	32.57	16	33.2	F5	J	13B	5593	J -27 6038
37		8.5R	51 8.664	-0.0023	18	-25 3 24.69	0.034	18	0.34	8.703	16	33.2	25.27	16	33.2	K0	J	14	6842	E -24 7513
38		8.2R	51 9.847	-0.0017	18	-22 48 11.20	0.008	18	0.34	9.875	16	33.2	11.33	16	33.2	B9	J	14	6841	E -22 6695
39		9.0R	51 12.356	0.0039	17	-28 20 31.58	-0.020	12	0.29	12.291	16	33.2	31.24	16	33.2	G5	M	13B	5595	J -28 6674
40		9.0A	51 13.284	0.0017	18	-21 15 16.67	-0.012	13	0.31	13.255	16	33.2	16.47	16	33.2	A2	J	13A	3946	A -20 2708
41		9.4R	51 15.596	-0.0008	18	-26 54 14.46	0.040	18	0.34	15.609	16	33.2	15.13	16	33.2	K0	M	14	6845	E -26 6548
42		9.4R	51 16.515	-0.0017	20	-22 37 6.47	0.004	20	0.37	16.544	16	33.2	6.53	16	33.2	G5	J	14	6843	E -22 6699
43		9.4R	51 16.885	0.0028	15	-22 45 0.50	-0.002	15	0.30	16.838	16	33.2	0.46	16	33.2	K5	M	14	6844	E -22 6698
44		8.9R	51 22.228	-0.0029	20	-28 3 41.09	-0.010	20	0.37	22.277	16	33.2	40.93	16	33.2	K0	M	13B	5598	J -27 6039
45		9.0R	51 22.600	0.0014	20	-28 42 4.33	-0.086	17	0.34	22.577	16	33.2	2.89	16	33.2	K0	M	13B	5599	J -28 6679
46		9.2R	51 23.131	-0.0003	18	-24 24 46.13	0.001	18	0.34	23.136	16	33.2	46.15	16	33.2	K2	M	14	6847	E -24 7515
47		8.5R	51 24.494	0.0001	18	-22 50 30.28	0.032	18	0.34	24.491	16	33.2	30.81	16	33.2	A0	J	14	6846	E -22 6701
48		9.1R	51 26.154	-0.0010	17	-29 49 6.34	0.018	17	0.32	26.172	16	33.2	6.64	16	33.2	K0	M	13B	5600	J -29 6901
49		9.4R	51 29.220	-0.0097	18	-27 8 47.64	-0.076	18	0.34	29.382	16	33.2	46.36	16	33.2	K0	M	14	6850	E -26 6550
50		9.5R	51 29.295	-0.0002	18	-25 11 59.49	-0.005	18	0.34	29.298	16	33.2	59.41	16	33.2	K0	M	14	6848	E -24 7517
51		8.5R	8 51 31.215	0.0013	18	-25 49 27.27	-0.033	18	0.34	31.193	16	33.2	26.71	16	33.2	K5	J	14	6849	E -25 6689
52		8.8A	51 33.692	-0.0024	17	-28 48 5.35	-0.046	13	0.30	33.733	16	33.2	4.58	16	33.2	F5	J	13A	3949	A -20 2709
53		9.2R	51 35.520	-0.0021	21	-23 18 29.22	-0.016	21	0.38	35.555	16	33.2	28.94	16	33.2	A2	M	14	6851	E -23 7862
54		9.3R	51 36.967	0.0016	18	-25 44 2.16	-0.016	18	0.34	36.940	16	33.2	1.88	16	33.2	K0	M	14	6853	E -25 6690
55		8.6R	51 37.648	0.0012	18	-24 32 37.11	0.007	18	0.34	37.627	16	33.2	37.23	16	33.2	M0	M	14	6852	E -24 7519
56		8.9R	51 39.035	-0.0001	18	-24 53 37.06	-0.027	18	0.34	39.037	16	33.2	36.61	16	33.2	F8	J	14	6854	E -24 7520
57		7.6A	51 40.996	0.0004	18	-20 14 19.69	-0.001	13	0.31	40.990	16	33.2	19.66	16	33.2	G5	J	13A	3951	A -19 2558
58		9.4R	51 44.580	-0.0038	20	-24 6 36.24	0.034	20	0.37	44.644	16	33.2	36.81	16	33.2	F5	M	14	6855	E -23 7866
59		9.0R	51 47.822	0.0012	20	-29 22 5.70	-0.012	20	0.37	47.801	16	33.2	5.50	16	33.2	F0	J	13B	5603	J -29 6909
60		9.4R	51 48.004	-0.0031	17	-29 22 49.46	0.102	17	0.32	48.056	16	33.2	51.17	16	33.2			13B	5604	J -29 6911
61		8.3R	51 48.388	-0.0016	18	-26 19 31.39	0.002	18	0.34	48.415	16	33.2	31.42	16	33.2	G5	J	14	6857	E -26 6554
62		9.4R	51 49.815	0.0015	18	-24 42 32.26	-0.036	18	0.34	49.789	16	33.2	31.65	16	33.2	K0	M	14	6856	E -24 7521
63		8.7R	51 51.638	0.0043	17	-29 52 34.25	0.015	17	0.32	51.567	16	33.2	34.50	16	33.2	F2	J	13B	5609	J -29 6912
64		9.0R	51 51.937	0.0003	15	-27 32 19.71	-0.001	15	0.30	51.932	16	33.2	19.68	16	33.2	K5	M	13B	5607	J -27 6050
65		8.5R	51 53.340	-0.0010	20	-28 6 7.78	-0.029	20	0.37	53.357	16	33.2	7.29	16	33.2	K0	J	13B	5608	J -27 6052
66		8.8R	51 55.125	-0.0000	15	-24 5 40.51	0.017	15	0.30	55.125	16	33.2	40.80	16	33.2	G5	M	14	6858	E -23 7871
67		9.3R	51 56.692	0.0001	18	-25 48 6.83	-0.004	18	0.34	56.691	16	33.2	6.76	16	33.2	F5	J	14	6860	E -25 6694
68		9.6R	51 57.890	-0.0018	18	-24 9 50.21	-0.024	18	0.34	57.919	16	33.2	49.81	16	33.2	G0	M	14	6859	E -23 7872
69		9.0R	52 2.351	0.0002	12	-28 51 7.07	0.020	12	0.26	2.349	16	33.2	7.41	16	33.2	G5	M	13B	5610	J -28 6692
70		9.0R	52 2.404	-0.0044	17	-28 59 54.30	0.041	17	0.32	2.478	16	33.2	55.00	16	33.2	K0	M	13B	5612	J -28 6693
71		8.7A	52 2.630	0.0014	17	-21 37 9.62	-0.014	12	0.29	2.607	16	33.2	9.38	16	33.2	K0	J	13A	3954	A -21 2630
72		9.5R	52 8.329	0.0007	20	-22 26 7.65	0.005	20	0.37	8.316	16	33.2	7.73	16	33.2	A0	M	14	6861	E -22 6720
73		8.5R	52 9.317	0.0013	17	-28 20 42.23	0.001	12	0.29	9.296	16	33.2	42.24	16	33.2	K0	J	13B	5615	J -28 6698
74		9.3R	52 10.159	-0.0003	18	-27 15 55.08	-0.034	18	0.34	10.163	16	33.2	54.50	16	33.2	K0	M	13B	5614	J -26 6561
75		9.2R	52 12.562	-0.0017	18	-22 45 32.55	0.010	18	0.34	12.591	16	33.2	32.71	16	33.2	A0	J	14	6862	E -22 6721
76		9.5R	52 15.482	-0.0025	18	-25 21 38.90	-0.020	18	0.34	15.523	16	33.2	38.57	16	33.2	F5	M	14	6865	E -25 6699
77		8.8R	52 15.878	-0.0018	15	-27 55 23.84	0.007	15	0.30	15.909	16	33.2	23.95	16	33.2	M	M	13B	5621	J -27 6057
78		9.6R	52 15.904	-0.0026	20	-23 32 10.94	-0.005	20	0.37	15.948	16	33.2	10.86	16	33.2	K0	M	14	6863	E -23 7877
79		7.8R	52 16.890	0.0005	18	-23 19 51.44	0.049	18	0.34	16.881	16	33.2	52.26	16	33.2	G0	J	14	6864	E -23 7878
80		9.0R	52 17.989	0.0007	17	-29 42 59.13	0.021	17	0.32	17.978	16	33.2	59.48	16	33.2	K0	M	13B	5622	J -29 6926
81		8.8R	52 19.226	-0.0034	21	-23 39 30.45	-0.027	21	0.38	19.283	16	33.2	30.00	16	33.2	K2	M	14	6866	E -23 7879
82		8.6A	52 19.487	0.0018	18	-21 2 34.35	-0.030	13	0.31	19.457	16	33.2	33.85	16	33.2	K5	J	13A	3956	A -20 2712
83		9.5R	52 25.946	-0.0012	15	-26 8 42.21	0.005	15	0.30	25.967	16	33.2	42.29	16	33.2	F8	M	14	6867	E -25 6704
84		8.4R	52 40.676	-0.0003	15	-25 21 52.97	-0.033	15	0.30	40.680	16	33.2	52.42	16	33.2	A2	J	14	6870K	E -25 6708
85		8.6R	52 46.605	-0.0260	18	-24 12 17.37	0.135	18	0.34	47.040	16	33.2	19.64	16	33.2	K5	J	14	6871	E -23 7884
86		7.8R	52 54.431	-0.0017	12	-27 53 27.89	-0.024	12	0.26	54.461	16	33.2	27.48	16	33.2	K0	J	13B	5623	J -27 6064
87		9.0R	52 55.495	-0.0011	20	-27 56 30.46	-0.012	20	0.37	55.513	16	33.2	30.25	16	33.2			13B	5624	J -27 6065
88		9.2R	52 57.514	-0.0001	15	-23 30 53.68	-0.004	15	0.30	57.515	16	33.2	53.62	16	33.2	F2	J	14	6872	E -23 7889
89		9.1R	52 59.940	-0.0033	20	-28 4 5.66	-0.013	20	0.37	59.995	16	33.2	5.44	16	33.2	K0	M	13B	5625	J -27 6067
90		9.4R	53 4.448	-0.0004	20	-23 38 17.03	-0.014	20	0.37	4.454	16	33.2	16.80	16	33.2	A3	M	14	6873	E -23 7893
91		8.5R	53 5.643	-0.0001	15	-26 29 2.21	-0.017	15	0.30	5.645	16	33.2	1.92	16	33.2	K5	J	14	6876	E -26 6570
92		9.0R	53 6.426	-0.0030	20	-27 22 37.91	0.007	20	0.37	6.477	16	33.2	38.04	16	33.2	K	M	13B	5626	J -27 6068
93		9.2A	53 8.397	-0.0022	15	-21 20 3.99	-0.004	11	0.27	8.435	16	33.2	3.92	16	33.2	K7	J	13A	3961	A -20 2717
94		8.8A	53 9.104	-0.0073	17	-21 33 13.66	0.041	12	0.29	9.226	16	33.2	14.35	16	33.2	K0	J	13A	3962	A -21 2637
95		8.6A	53 15.450	-0.0002	17	-20 16 49.20	0.038	12	0.29	15.453	16	33.2	49.83	16	33.2	F8	J	13A	3964	A -19 2566
96		9.8R	53 19.019	-0.0006	20	-23 12 26.47	0.030	20	0.37	19.028	16	33.2	26.97	16	33.2	G5	M	14	6877	E -22 6734
97		4.9T	53 22.783	0.0057	05	-27 29 18.69	-0.105	04	0.24	22.518	09	03.7	13.33	10	99.2	A2		GC	12343K	C*-27 6072
98		9.3R	53 22.790	-0.0014	20	-24 25 55.10	0.009	20	0.37	22.813	16	33.2	55.25	16	33.2	F5	M	14	6878	E -24 7547
99		9.2R	53 24.749	0.0014	18	-27 7 59.52	-0.042	18	0.34	24.725	16	33.2	58.81	16	33.2	A5	J	14	6879	E -26 6574
00		9.2R	53 25.585	-0.0005	17	-29 6 50.76	0.038	17	0.32	25.594	16	33.2	51.40	16	33.2	K5	M	13B	5629	J -28 6717

176700

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	EPOCH 1950 μ s	EPOCH 1950 σ_μ ″.001	EPOCH 1950 δ_{1950} ° ′ ″	EPOCH 1950 μ' ″	EPOCH 1950 $\sigma_{\mu'}$ ″.001	EPOCH 1950 σ_{1950} ″	ORIGINAL EPOCH α_2 s	ORIGINAL EPOCH σ ″.01	ORIGINAL EPOCH ep.	ORIGINAL EPOCH δ_2 ″	ORIGINAL EPOCH σ' ″.01	ORIGINAL EPOCH ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	-20° 8H DM NUMBER
1		8.5R	8 53 30.341	0.0090	15	-23 11 45.31	-0.060	15	0.30	30.190	16	33.2	44.30	16	33.2	G0 J	14	6880	E -22 6736
2		9.3R	53 33.205	-0.0086	12	-29 46 6.86	0.141	12	0.26	33.315	16	33.2	9.22	16	33.2	F5 J	13B	5634	J -29 6941
3		9.7R	53 34.786	-0.0014	20	-22 39 24.05	0.014	20	0.37	34.809	16	33.2	24.28	16	33.2	A2 J	14	6881	E -22 6736
4		9.8A	53 34.843	0.0005	17	-21 38 3.36	0.022	12	0.29	34.834	16	33.2	3.73	16	33.2	A5 J	13A	3967	A -21 2640
5		9.0R	53 35.032	-0.0019	15	-25 48 57.36	0.023	15	0.30	35.065	16	33.2	57.74	16	33.2	A0 J	14	6883	E -25 6717
6		9.6R	53 36.010	-0.0010	20	-24 25 17.39	-0.103	20	0.37	36.026	16	33.2	15.66	16	33.2	G0 M	14	6882	E -24 7552
7		9.7R	53 36.155	-0.0020	15	-25 13 15.67	-0.012	15	0.30	36.189	16	33.2	15.48	16	33.2	A0 J	14	6884K	E -24 7553
8		8.8R	53 38.127	-0.0008	15	-26 53 19.90	-0.032	15	0.30	38.141	16	33.2	19.37	16	33.2	K0 J	14	6885	E -26 6576
9		9.3R	53 41.437	-0.0086	17	-28 37 32.68	0.070	17	0.32	41.480	16	33.2	33.86	16	33.2	G5 M	13B	5635	J -28 6722
10		9.2R	53 42.595	-0.0086	18	-23 38 12.29	-0.022	18	0.34	42.639	16	33.2	11.92	16	33.2		14	6886	E -23 7902
11		6.5T	53 43.585	-0.0025	17	-23 37 34.06	0.068	15	0.61	43.707	18	00.9	37.52	18	99.3	A3	GC	12352	C -23 7902
12		8.4R	53 46.499	0.0013	15	-27 47 59.07	-0.012	15	0.30	46.478	16	33.2	58.86	16	33.2	K5 J	13B	5638	J -27 6078
13		8.9R	53 46.656	-0.0018	18	-26 3 39.35	0.011	18	0.34	46.687	16	33.2	39.53	16	33.2	F0 J	14	6888	E -25 6721
14		8.2R	53 47.408	0.0009	18	-26 27 16.77	-0.006	18	0.34	47.393	16	33.2	16.66	16	33.2	K0 J	14	6889	E -26 6578
15		9.1R	53 49.147	0.0012	17	-29 18 46.69	0.052	17	0.32	49.127	16	33.2	47.57	16	33.2	F8 M	13B	5640	J -29 6946
16		8.7R	53 49.226	-0.0007	17	-29 37 42.86	-0.027	17	0.32	49.238	16	33.2	42.41	16	33.2	K0 J	13B	5641	J -29 6947
17		8.2R	53 52.676	-0.0009	18	-24 32 5.13	0.018	18	0.34	52.690	16	33.2	5.44	16	33.2	M0 M	14	6891	E -24 7557
18		9.4R	53 57.004	-0.0037	15	-26 50 28.45	0.007	15	0.30	57.065	16	33.2	28.56	16	33.2	A2 J	14	6892	E -26 6580
19		9.0R	54 1.803	-0.0018	20	-28 24 46.01	0.002	20	0.37	1.834	16	33.2	46.04	16	33.2	A0 J	13B	5642	J -28 6727
20		9.6R	54 3.861	-0.0009	20	-23 9 24.69	-0.003	20	0.37	3.881	16	33.2	24.63	16	33.2	K0 M	14	6893	E -22 6752
21		8.7R	54 10.607	0.0000	20	-29 52 59.90	0.035	20	0.37	10.607	16	33.2	0.48	16	33.2	M M	13B	5643	J -29 6956
22		8.1R	54 12.302	-0.0005	20	-29 15 34.71	0.004	20	0.37	12.310	16	33.2	34.78	16	33.2	K0 J	13B	5644	J -28 6731
23		9.2R	54 17.001	-0.0007	20	-23 16 23.49	-0.001	20	0.37	17.012	16	33.2	23.47	16	33.2	K2 M	14	6896	E -22 6760
24		9.2R	54 18.894	-0.0005	18	-24 40 54.59	0.049	18	0.34	18.902	16	33.2	55.40	16	33.2	F8 M	14	6898	E -24 7566
25		9.3R	54 19.604	-0.0002	12	-23 17 34.54	0.037	12	0.26	19.607	16	33.2	35.15	16	33.2	A0 J	14	6897	E -23 7911
26		7.5T	54 21.997	0.0016	14	-29 9 7.66	-0.001	12	0.70	21.919	21	00.1	7.63	18	96.1	A2	GC	12368	C -28 6735
27		9.5R	54 23.000	0.0001	18	-22 57 37.68	0.036	18	0.34	22.998	16	33.2	38.28	16	33.2	A5 M	14	6899	E -22 6762
28		9.0R	54 24.534	-0.0018	20	-28 24 46.18	0.004	20	0.37	24.565	16	33.2	46.24	16	33.2	K M	13B	5647	J -28 6736
29		9.2R	54 26.561	-0.0008	20	-27 59 46.87	0.017	20	0.37	26.574	16	33.2	47.15	16	33.2	K0 M	13B	5648	J -27 6090
30		9.2R	54 27.566	0.0034	18	-25 47 35.99	0.013	18	0.34	27.510	16	33.2	36.20	16	33.2	K0 M	14	6900	E -25 6752
31		8.7R	54 34.513	-0.0016	12	-29 0 39.83	-0.020	12	0.26	34.540	16	33.2	39.49	16	33.2	B8 J	13B	5650	J -28 6740
32		8.7R	54 34.928	0.0015	15	-26 48 54.92	-0.022	15	0.30	34.903	16	33.2	54.56	16	33.2	A2 J	14	6903	E -26 6594
33		8.3R	54 36.021	-0.0015	18	-22 19 52.92	-0.028	18	0.34	36.046	16	33.2	52.45	16	33.2	F8 J	14	6901	E -22 6766
34		8.9R	54 37.108	-0.0004	18	-24 10 3.98	-0.035	18	0.34	37.114	16	33.2	3.40	16	33.2	K0 M	14	6902	E -23 7915
35		8.5R	54 37.899	0.0007	18	-24 14 58.27	-0.002	18	0.34	37.887	16	33.2	58.24	16	33.2	K5 M	14	6904	E -23 7917
36		8.9R	54 41.000	0.0007	17	-28 53 13.35	-0.018	17	0.32	40.988	16	33.2	13.06	16	33.2	A2 J	13B	5653	J -28 6741
37		8.9R	54 42.379	-0.0006	12	-29 59 26.22	0.012	12	0.26	42.388	16	33.2	26.42	16	33.2	G0 M	13B	5654	J -29 6963
38		9.3R	54 42.502	0.0002	18	-27 16 13.13	-0.027	18	0.34	42.499	16	33.2	12.69	16	33.2	A0 J	13B	5652	J -26 6595
39		8.9R	54 51.158	-0.0003	18	-25 22 22.22	-0.014	18	0.34	51.162	16	33.2	22.00	16	33.2	A0 J	14	6905	E -25 6739
40		9.1R	54 57.408	-0.0014	20	-29 39 17.16	-0.020	20	0.37	57.432	16	33.2	16.82	16	33.2	F5 J	13B	5658	J -29 6965
41		8.2R	54 57.734	0.0023	17	-29 39 8.04	-0.049	17	0.32	57.696	16	33.2	7.22	16	33.2	F5 J	13B	5659	J -29 6965
42		9.3R	54 58.021	-0.0046	13	-23 23 29.10	0.012	13	0.27	58.098	16	33.2	29.29	16	33.2	K M	14	6907	E -23 7925
43		9.1R	55 4.322	-0.0013	15	-27 49 48.87	-0.022	15	0.30	4.344	16	33.2	48.49	16	33.2	K0 J	13B	5661	J -27 6103
44		9.4R	55 11.349	-0.0001	18	-23 11 48.97	0.072	18	0.34	11.351	16	33.2	50.17	16	33.2	A0 M	14	6908	E -22 6780
45		8.9A	55 21.886	-0.0013	13	-20 45 41.37	0.034	09	0.25	21.907	16	33.2	41.94	16	33.2	M0 J	13A	3979	A -20 2727
46		7.5T	55 24.023	-0.0009	12	-27 31 19.24	-0.030	12	0.66	24.067	19	97.7	17.59	18	95.6	A2	GC	12395	C -27 6105
47		7.6R	55 28.574	0.0057	18	-24 38 48.92	-0.048	18	0.34	28.478	16	33.2	48.12	16	33.2	K0 J	14	6910	E -24 7584
48		8.8R	55 45.324	-0.0025	17	-28 50 13.19	-0.013	17	0.32	45.366	16	33.2	12.97	16	33.2	M M	13B	5665	J -28 6767
49		8.5R	55 48.531	0.0001	20	-28 31 27.63	-0.011	20	0.37	48.529	16	33.2	27.46	16	33.2	A0 J	13B	5667	J -28 6768
50		8.2R	55 50.856	0.0027	20	-28 40 36.65	-0.011	20	0.37	50.811	16	33.2	36.47	16	33.2	A0 J	13B	5668	J -28 6770
51		9.4R	8 55 53.332	0.0012	18	-23 30 3.62	-0.018	18	0.34	53.311	16	33.2	3.32	16	33.2	K2 M	14	6911	E -23 7942
52		8.3R	56 4.070	0.0003	20	-26 36 52.19	0.045	20	0.37	4.065	16	33.2	52.94	16	33.2	K5 J	14	6914	E -26 6612
53		8.6R	56 4.130	-0.0008	18	-24 14 3.17	0.008	18	0.34	4.144	16	33.2	3.31	16	33.2	A0 J	14	6912	E -23 7946
54		8.4R	56 4.541	0.0015	20	-26 9 19.68	-0.012	20	0.37	4.515	16	33.2	19.47	16	33.2	A0 J	14	6913	E -25 6754
55		9.5R	56 6.337	-0.0034	18	-24 29 0.82	-0.041	18	0.34	6.394	16	33.2	0.13	16	33.2	F0 M	14	6915	E -24 7593
56		8.7R	56 11.166	0.0008	17	-29 12 35.40	-0.002	17	0.32	11.153	16	33.2	35.38	16	33.2	K0 J	13B	5674	J -28 6774
57		8.8R	56 13.102	0.0004	18	-23 59 54.07	-0.003	18	0.34	13.096	16	33.2	54.02	16	33.2	G0 J	14	6917	E -23 7948
58		9.8R	56 14.142	0.0022	18	-22 24 22.88	0.022	18	0.34	14.105	16	33.2	23.25	16	33.2	A0 M	14	6916	E -22 6792
59		9.3R	56 15.169	-0.0025	15	-22 32 7.13	-0.014	15	0.30	15.211	16	33.2	6.89	16	33.2	K2 M	14	6918	E -22 6793
60		8.9R	56 15.187	0.0033	20	-29 37 56.54	-0.020	20	0.37	15.132	16	33.2	56.20	16	33.2	K5 M	13B	5676	J -29 6964
61		9.5R	56 15.762	0.0019	20	-25 39 2.68	0.024	20	0.37	15.730	16	33.2	3.08	16	33.2	F0 M	14	6919	E -25 6755
62		9.0R	56 17.140	0.0002	18	-24 18 25.63	-0.011	18	0.34	17.136	16	33.2	25.45	16	33.2	M4 M	14	6920	E -24 7596
63		8.7R	56 17.258	0.0011	17	-28 28 38.22	0.007	17	0.32	17.239	16	33.2	38.35	16	33.2	K0 J	13B	5677	J -28 6777
64		9.0A	56 19.581	-0.0001	15	-21 22 4.36	0.018	11	0.27	19.582	16	33.2	4.66	16	33.2	M0 J	13A	3982	A -21 2655
65		8.6R	56 21.102	0.0011	18	-24 28 8.20	-0.005	18	0.34	21.084	16	33.2	8.12	16	33.2	M0 M	14	6923	E -24 7597
66		8.5R	56 21.424	-0.0012	18	-22 38 35.16	0.053	18	0.34	21.443	16	33.2	36.04	16	33.2	K2 J	14	6921	E -22 6795
67		8.4R	56 21.470	-0.0027	18	-22 45 14.49	0.006	18	0.34	21.515	16	33.2	14.58	16	33.2	K0 J	14	6922	E -22 6796
68		8.6R	56 21.700	-0.0007	17	-26 50 39.21	0.012	20	0.34	21.689	16	33.2	39.41	16	33.2	K7 M	14	6927	E -26 6615
69		8.3R	56 22.892	0.0001	17	-23 36 0.80	0.022	13	0.30	22.890	16	33.2	1.17	16	33.2	F0 J	14	6924	E -23 7951
70		8.8R	56 22.916	-0.0025	15	-24 7 37.30	0.006	15	0.30	22.958	16	33.2	37.40	16	33.2	K0 M	14	6926	E -23 7952
71		9.4R	56 23.304	-0.0022	20	-23 34 7.27	-0.020	20	0.37	23.340	16	33.2	6.94	16	33.2	A0 M	14	6925	E -23 7950
72		9.0R	56 26.065	0.0010	12	-26 47 29.63	0.011	12	0.26	26.048	16	33.2	29.81	16	33.2	G0 J	14	6929	E -26 6618
73		9.3R	56 31.865	-0.0021	20	-28 19 31.30	0.067	20	0.37	31.901	16	33.2	32.75	16	33.2	G M	13B	5681	J -28 6782
74		8.9A	56 32.371	-0.0029	18	-20 10 24.16	0.014	15	0.33	32.421	16	33.1	24.38	16	33.1	M0 J	12B	3985	A -19 2585
75		9.1R	56 32.987	-0.0034	21	-23 25 1.25	0.040	21	0.38	33.044	16	33.2	1.92	16	33.2	F0 M	14	6930	E -23 7955
76		9.0R	56 35.124	-0.0022	20	-28 38 15.46	0.058	20	0.37	35.160	16	33.2	16.44	16	33.2	A2 J	13B	5682	J -28 6784
77		8.7R	56 37.267	0.0011	20	-28 53 1.58	-0.044	20	0.37	37.249	16	33.2	0.84	16	33.2	K0 M	13B	5684	J -28 6785
78		8.3R	56 38.459	-0.0006	20	-27 12 51.43	0.016	20	0.37	38.468	16	33.2	51.69	16	33.2	K5 J	13B	5683	J -26 6621
79		9.1A	56 39.962	-0.0028	18	-20 21 14.09	0.016	13	0.31	40.003	16	33.2	14.35	16	33.2		13A	3986	A -19 2586
80		8.0A	56 42.478	0.0005	17	-20 16 28.65	0.019	12	0.29	42.470	16	33.2	28.96	16	33.2	K5 J	13A	3987	A -19 2587
81		8.6R	56 43.353	-0.0024	15	-28 6 43.49	0.007	15	0.30	43.393	16	33.2	43.62	16	33.2	A0 J	13B	5686	J -27 6125
82		8.1R	56 46.593	0.0019	20	-29 25 45.59	-0.051	20	0.37	46.561	16	33.2	44.75	16	33.2	F5 J	13B	5689	J -29 6994
83		9.0R	56 52.475	-0.0049	20	-29 18 27.14	0.012	20	0.37	52.556	16	33.2	27.34	16	33.2	B9 J	13B	5691	J -29 6997
84		9.2R	56 53.109	-0.0022	18	-22 49 47.73	0.029	18	0.34	53.145	16	33.2	48.21	16	33.2	G0 M	14	6932	E -22 6811
85		9.6R	56 54.280	-0.0021	20	-25 0 54.73	0.033	20	0.37	54.315	16	33.2	55.29	16	33.2	G M	14	6933	E -24 7604
86		9.2A	56 55.677	0.0001	18	-21 50 47.24	0.007	15	0.32	55.676	16	33.2	47.36	16	33.2	K5 J	13A	3988	A -21 2658
87		8.1R	56 58.738	-0.0003	20	-29 4 53.97	-0.028	20	0.37	58.743	16	33.2	53.50	16	33.2	M1 M	13B	5692	J -28 6791
88		8.2R	57 6.638	-0.0064	18	-24 31 57.33	-0.123	18	0.34	6.746	16	33.2	55.27	16	33.2	G5 J	14	6934	E -24 7608
89		6.4T	57 8.247	-0.0049	10	-28 36 40.00	0.011	10	0.55	8.513	15	95.9	40.64	17	93.6	G5	GC	12430	C -28 6793
90		9.5R	57 8.424	0.0004	18	-23 18 1.68	-0.017	18	0.34	8.416	16	33.2	1.39	16	33.2	G5 M	14	6935	E -23 7961
91		9.1R	57 10.388	0.0009	15	-24 0 28.49	-0.011	15	0.30	10.373	16	33.2	28.31	16	33.2	A0 J	14	6936	E -23 7962
92		9.4R	57 12.567	-0.0004	20	-24 4 44.79	-0.014	20	0.37	12.574	16	33.2	44.55	16	33.2	G0 M	14	6937	E -23 7963
93		8.3R	57 13.723	-0.0022	20	-29 42 21.64	-0.029	20	0.37	13.760	16	33.2	21.15	16	33.2	K5 M	13B	5695	J -29 7006
94		8.8R	57 14.217	-0.0007	18	-23 59 43.30	0.052	18	0.34	14.229	16	33.2	44.18	16	33.2	G5 J	14	6939	E -23 7964
95		9.5R	57 15.444	-0.0012	18	-22 30 49.66	-0.004	18	0.34	15.464	16	33.2	49.58	16	33.2	A2 M	14	6938	E -22 6816
96		9.4R	57 16.330	-0.0014	18	-26 30 7.92	0.016	18	0.34	16.353	16	33.2	8.18	16	33.2	F5 J	14	6941	E -26 6631
97		7.5R	57 17.161	-0.0025	18	-22 58 20.19	0.025	18	0.34	17.202	16	33.2	20.60	16	33.2	K2 J	14	6940	E -22 6817
98		9.0R	57 17.496	0.0031	17	-29 21 0.71	-0.034	17	0.32	17.443	16	33.2	0.14	16	33.2	A0 M	13B	5697	J -29 7008
99		9.2R	57 18.218	0.0012	17	-29 22 0.55	0.012	17	0.32	18.198	16	33.2	0.76	16	33.2	A0 J	13B	5698	J -29 7010
00		9.4R	57 20.847	-0.0005	18	-23 19 55.01	0.011	18	0.34	20.855	16	33.2	55.19	16	33.2	K2 M	14	6942	E -23 7966

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EPOCH 1950 — ORIGINAL EPOCH — SOURCE — -20° 8H

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	σ'_μ ″.001	σ_{1950} ″	α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	CAT.	STAR NUMBER	DM NUMBER
1		8.3R	8 57 27.013	-0.0053	15	-24 2 27.93	0.041	15	0.30	27.101	16	33.2	28.62	16	33.2	F2 J	14	6943	E -23 7967
2		8.9R	57 27.723	0.0019	17	-28 19 30.15	-0.029	12	0.29	27.692	16	33.2	29.65	16	33.2	K5 J	13B	5700	J -28 6798
3		8.5A	57 29.573	-0.0006	18	-21 56 26.43	0.020	13	0.31	29.582	16	33.2	26.76	16	33.2	A0 J	13A	3991	A -21 2661
4		8.4A	57 31.446	-0.0031	15	-20 36 53.30	0.054	12	0.28	31.499	16	33.2	54.21	16	33.2	F8 J	13A	3992	A -20 2743
5		6.8T	57 34.039	-0.0045	12	-27 37 10.53	-0.032	12	0.66	34.276	18	97.9	8.87	18	97.3	G0	GC	12438	C -27 6141
6		7.2T	57 39.987	-0.0061	16	-22 29 46.95	0.011	17	0.82	40.288	18	00.7	47.49	17	02.0	F0	GC	12440	-22 2467
7		9.3R	57 40.148	0.0011	17	-27 44 25.76	-0.011	17	0.32	40.130	16	33.2	25.57	16	33.2	K0 M	13B	5703	J -27 6142
8		8.8R	57 41.743	0.0002	15	-25 39 9.44	-0.039	15	0.30	41.740	16	33.2	8.78	16	33.2	K0 J	14	6945	E -25 6779
9		8.5R	57 57.135	0.0007	12	-28 45 23.87	0.001	12	0.26	57.123	16	33.2	23.89	16	33.2	K0 J	13B	5706	J -28 6809
10		9.0A	57 58.554	0.0006	17	-20 32 30.45	0.029	12	0.29	58.543	16	33.2	30.93	16	33.2	A0 J	13A	3994	A -20 2748
11		9.1R	58 2.194	-0.0086	15	-27 17 40.45	0.007	15	0.30	2.338	16	33.2	40.58	16	33.2	G0 M	13B	5707	J -27 6145
12		8.5R	58 2.461	0.0006	12	-28 53 53.26	-0.035	12	0.26	2.450	16	33.2	52.67	16	33.2	A0 J	13B	5709	J -28 6813
13		9.5R	58 3.743	0.0004	12	-26 32 17.32	-0.045	12	0.26	3.737	16	33.2	16.56	16	33.2	F8 M	14	6948	E -26 6637
14		8.3R	58 4.664	0.0007	18	-24 58 14.60	-0.012	18	0.34	4.653	16	33.2	14.40	16	33.2	A2 J	14	6947	E -24 7622
15		9.0R	58 10.518	-0.0004	18	-24 27 51.67	0.010	18	0.34	10.525	16	33.2	51.84	16	33.2	F5 M	14	6950	E -24 7624
16		8.2R	58 10.558	0.0007	18	-22 17 0.92	0.032	18	0.34	10.547	16	33.2	1.46	16	33.2	K0 J	14	6949	E -22 6826
17		9.4R	58 16.762	-0.0045	20	-22 22 51.60	0.002	20	0.37	16.838	16	33.2	51.63	16	33.2	G0 M	14	6951	E -22 6829
18		8.8A	58 18.610	0.0005	18	-20 1 8.58	-0.007	13	0.32	18.602	18	33.1	8.45	16	33.1	F8 J	12B	3997	A -19 2591
19		9.3R	58 18.654	0.0011	20	-27 41 22.43	-0.016	20	0.37	18.636	16	33.2	22.15	16	33.2	G M	13B	5710	J -27 6146
20		7.4T	58 22.706	-0.0041	15	-21 1 10.86	0.041	13	0.76	22.912	24	00.1	12.98	22	98.2	F0	GC	12459	-20 2751
21		9.4R	58 37.748	-0.0028	18	-22 42 37.46	0.038	18	0.34	37.795	16	33.2	38.09	16	33.2	G5 M	14	6952	E -22 6833
22		7.0T	58 40.764	-0.0017	07	-23 57 25.58	0.003	07	0.32	40.836	10	07.2	25.72	12	06.2	A0	GC	12467	C -23 7983
23		9.1R	58 42.127	0.0003	17	-28 33 48.54	-0.019	12	0.29	42.121	16	33.2	48.23	16	33.2	K0 M	13B	5714	J -28 6824
24		8.5R	58 43.631	-0.0024	12	-28 4 35.30	-0.018	12	0.26	43.672	16	33.2	34.99	16	33.2	G5 J	13B	5715	J -27 6152
25		7.8R	58 46.016	-0.0035	15	-24 46 23.95	0.017	15	0.30	46.075	16	33.2	24.22	16	33.2	F0 J	14	6954	E -24 7634
26		9.1R	58 50.725	-0.0024	20	-27 22 51.39	0.015	20	0.37	50.766	16	33.2	51.64	16	33.2	K2 M	13B	5717	J -27 6154
27		8.7R	58 53.522	-0.0031	20	-27 48 21.76	-0.003	20	0.37	53.574	16	33.2	21.70	16	33.2	A2 J	13B	5718	J -27 6156
28		9.4R	58 55.810	-0.0025	15	-25 32 13.07	0.005	15	0.30	55.853	16	33.2	13.15	16	33.2	F8 M	14	6955	E -25 6796
29		7.3R	58 57.029	-0.0023	20	-27 19 8.13	-0.044	20	0.37	57.068	16	33.2	7.38	16	33.2	M0 M	13B	5720	J -27 6157
30		9.3R	58 57.995	0.0009	18	-23 42 35.25	-0.016	18	0.34	57.980	16	33.2	34.98	16	33.2	K5 M	14	6956	E -23 7988
31		8.4R	58 59.563	-0.0006	15	-28 10 16.80	0.002	15	0.30	59.574	16	33.2	16.83	16	33.2	K0 M	13B	5722	J -27 6162
32		8.4R	59 0.978	0.0000	18	-25 19 34.70	-0.269	18	0.34	0.978	16	33.2	30.19	16	33.2	K0 J	14	6957	E -25 6797
33		6.4T	59 1.178	0.0017	08	-26 27 58.28	-0.059	08	0.50	1.076	15	89.9	54.60	15	88.1	K0	GC	12478	C -26 6647
34		8.4R	59 1.470	-0.0027	12	-28 33 45.82	0.033	12	0.26	1.515	16	33.2	46.38	16	33.2	K0 J	13B	5723	J -28 6830
35		8.8A	59 6.380	0.0000	15	-22 11 55.84	-0.015	11	0.27	6.380	16	33.2	55.59	16	33.2	G0 J	13A	4002	A -21 2669
36		8.0R	59 7.243	-0.0014	12	-28 38 13.65	0.025	12	0.26	7.267	16	33.2	14.08	16	33.2	K2 J	13B	5724	J -28 6831
37		8.7A	59 9.451	0.0002	18	-21 52 42.93	-0.012	13	0.31	9.447	16	33.2	42.73	16	33.2	K J	13A	4003	A -21 2670
38		8.6R	59 11.880	-0.0030	12	-29 51 41.42	-0.001	12	0.26	11.931	16	33.2	41.40	16	33.2	A2 M	13B	5726	J -29 7039
39		8.0R	59 13.280	-0.0023	20	-28 7 39.07	-0.010	20	0.37	13.319	16	33.2	38.89	16	33.2	A0 J	13B	5725	J -27 6163
40		9.6R	59 16.724	-0.0016	20	-23 38 6.38	0.038	20	0.37	16.751	16	33.2	7.02	16	33.2	K0 M	14	6959	E -23 7992
41		9.3R	59 17.061	0.0025	18	-27 7 4.09	-0.037	18	0.34	17.020	16	33.2	3.46	16	33.2	K2 M	14	6960	E -26 6650
42		9.4R	59 17.974	-0.0004	15	-26 51 19.64	-0.003	15	0.30	17.980	16	33.2	19.58	16	33.2	G5 M	14	6962	E -26 6651
43		9.6R	59 30.329	-0.0040	18	-24 20 15.64	0.015	18	0.34	30.395	16	33.2	15.89	16	33.2	A0 M	14	6964	E -24 7645
44		7.7T	59 32.010	-0.0016	15	-25 14 8.27	0.026	12	0.72	32.090	18	00.5	9.65	18	97.5	K0	GC	12491	C -24 7646
45		9.1R	59 39.102	0.0021	17	-29 56 31.67	-0.023	17	0.32	39.067	16	33.2	31.28	16	33.2	A2 M	13B	5730	J -29 7048
46		9.2R	59 39.493	-0.0010	18	-22 20 38.09	0.016	18	0.34	39.510	16	33.2	38.36	16	33.2	A2 M	14	6966	E -22 6838
47		7.2T	59 39.718	-0.0184	13	-26 22 12.50	0.280	12	0.69	40.657	18	99.0	27.32	18	97.0	F8	GC	12495	C -26 6661
48		8.2R	59 44.692	0.0009	17	-27 5 13.70	0.005	17	0.32	44.677	16	33.2	13.78	16	33.2	A3 J	14	6969	E -26 6662
49		8.0R	59 45.816	-0.0015	18	-23 33 11.17	-0.036	18	0.34	45.840	16	33.2	10.57	16	33.2	G5 J	14	6968K	E -23 7996
50		9.0R	59 55.153	-0.0011	17	-28 59 35.54	-0.011	17	0.32	55.173	16	33.2	35.36	16	33.2	A0 M	13B	5734	J -28 6840
51		7.6R	8 59 56.109	-0.0027	12	-27 36 56.32	-0.038	12	0.26	56.155	16	33.2	55.68	16	33.2	F5 J	13B	5733	J -27 6171
52		7.5R	59 57.363	-0.0047	20	-27 57 15.11	-0.046	20	0.37	57.442	16	33.2	14.33	16	33.2	A2 J	13B	5735	J -27 6172
53		8.7R	9 0 1.002	-0.0011	18	-25 12 40.10	-0.008	18	0.34	1.020	16	33.2	39.98	16	33.2	K2 J	14	6970	E -24 7649
54		8.5A	0 4.759	0.0007	18	-21 7 1.61	0.019	12	0.30	4.747	16	33.2	1.93	16	33.2	K0 J	13A	4009	A -20 2760
55		8.8R	0 8.019	0.0056	18	-26 40 50.92	-0.033	18	0.34	7.925	16	33.2	50.36	16	33.2	A2 J	14	6971	E -26 6665
56		8.9A	0 8.166	0.0005	18	-21 45 57.03	0.032	13	0.31	8.158	16	33.2	57.57	16	33.2	K0 J	13A	4010	A -21 2674
57		8.9R	0 8.437	-0.0015	15	-27 12 3.05	-0.018	15	0.30	8.463	16	33.2	2.74	16	33.2	K0 M	13B	5737	J -26 6666
58		8.5R	0 8.827	-0.0021	12	-29 37 15.84	-0.013	12	0.26	8.863	16	33.2	15.62	16	33.2	A0 J	13B	5739	J -29 7055
59		8.9R	0 10.078	0.0003	17	-28 23 55.72	0.018	17	0.32	10.073	16	33.2	56.01	16	33.2	A0 J	13B	5738	J -28 6846
60		9.0A	0 11.059	0.0011	18	-21 19 15.08	0.016	13	0.31	11.041	16	33.2	15.35	16	33.2	G0 J	13A	4011	A -20 2762
61		8.7R	0 11.239	-0.0029	15	-27 26 18.25	0.023	15	0.30	11.288	16	33.2	18.63	16	33.2	F2 J	13B	5740	J -27 6176
62		8.6R	0 13.909	0.0023	15	-25 51 34.83	0.004	15	0.30	13.871	16	33.2	34.89	16	33.2	K0 J	14	6974	E -25 6813
63		8.7R	0 18.593	0.0003	18	-26 2 40.85	-0.013	18	0.34	18.588	16	33.2	40.62	16	33.2	K0 J	14	6976	E -25 6815
64		9.9R	0 19.117	-0.0026	20	-22 43 16.31	0.001	20	0.37	19.161	16	33.2	16.32	16	33.2	F8 M	14	6975	E -22 6848
65		9.4R	0 21.574	0.0019	12	-28 49 30.59	-0.001	12	0.26	21.542	16	33.2	30.57	16	33.2	B9 J	13B	5743	J -28 6851
66		9.2R	0 22.589	0.0004	18	-26 49 20.48	-0.027	18	0.34	22.583	16	33.2	20.04	16	33.2	K0 M	14	6977	E -26 6669
67		9.3R	0 27.969	-0.0014	20	-23 35 28.55	0.001	20	0.37	27.992	16	33.2	28.57	16	33.2	G5 M	14	6978	E -23 8004
68		9.0R	0 33.105	0.0023	18	-22 59 22.05	-0.013	18	0.34	33.067	16	33.2	21.82	16	33.2	G0 J	14	6979	E -22 6850
69		9.4R	0 35.205	0.0002	20	-23 47 36.86	-0.021	20	0.37	35.201	16	33.2	36.51	16	33.2	F5 M	14	6980	E -23 8006
70		8.9R	0 38.107	0.0003	17	-28 5 47.62	-0.018	17	0.32	38.102	16	33.2	47.31	16	33.2	M M	13B	5746	J -27 6183
71		8.1R	0 39.969	-0.0022	18	-24 3 4.35	0.012	18	0.34	40.005	16	33.2	4.56	16	33.2	A0 J	14	6981	E -23 8008
72		9.2R	0 40.558	-0.0010	17	-29 51 26.07	-0.007	17	0.32	40.575	16	33.2	25.95	16	33.2	A2 M	13B	5748	J -29 7064
73		7.6R	0 41.901	-0.0048	12	-27 59 56.31	0.030	12	0.26	41.982	16	33.2	56.81	16	33.2	M2 M	13B	5747	J -27 6185
74		8.7R	0 43.522	0.0015	20	-28 5 6.63	-0.069	20	0.37	43.497	16	33.2	5.47	16	33.2	K0 J	13B	5749	J -27 6186
75		8.5R	0 47.972	0.0001	12	-25 25 24.79	-0.002	12	0.26	47.970	16	33.2	24.77	16	33.2	F0 J	14	6982	E -25 6826
76		9.4R	0 49.053	0.0032	17	-28 23 48.15	0.002	17	0.32	48.999	16	33.2	48.19	16	33.2	F M	13B	5750	J -28 6865
77		8.9R	0 49.903	0.0015	17	-29 2 21.35	0.005	17	0.32	49.877	16	33.2	21.44	16	33.2	A2 J	13B	5751	J -28 6866
78		8.0A	0 50.357	-0.0025	17	-20 20 52.72	-0.040	13	0.30	50.399	16	33.2	52.04	16	33.2	B9 J	13A	4013	A -19 2603
79		9.3R	0 51.104	-0.0002	15	-25 57 29.79	0.007	15	0.30	51.107	16	33.2	29.90	16	33.2	K0 M	14	6983	E -25 6828
80		9.1A	0 52.074	-0.0009	18	-21 22 22.61	0.024	15	0.32	52.090	16	33.2	23.01	16	33.2	A J	13A	4014	A -21 2676
81		6.7T	0 57.317	-0.0013	05	-25 18 20.12	-0.010	05	0.24	57.370	09	09.6	19.70	10	07.0	B8	GC	12516	C -25 6829
82		9.1R	0 58.814	-0.0014	15	-26 24 0.01	0.004	15	0.30	58.838	16	33.2	0.07	16	33.2	K5 M	14	6985	E -26 6681
83		9.0A	1 13.629	-0.0030	18	-21 58 41.84	0.010	13	0.31	13.680	16	33.2	42.01	16	33.2	F5 J	13A	4018	A -21 2678
84		8.5R	1 14.412	0.0004	18	-22 47 55.43	0.012	18	0.34	14.405	16	33.2	55.62	16	33.2	A2 J	14	6987	E -22 6855
85		9.1R	1 14.934	-0.0001	18	-23 14 14.23	0.014	18	0.34	14.936	16	33.2	14.46	16	33.2	F2 M	14	6988	E -22 6856
86		9.2R	1 15.117	-0.0001	15	-24 49 42.21	-0.022	15	0.30	15.119	16	33.2	41.85	16	33.2	K2 M	14	6989	E -24 7666
87		8.7A	1 16.431	-0.0013	15	-20 50 30.35	0.027	11	0.27	16.452	16	33.2	30.80	16	33.2	K0 J	13A	4020	A -20 2772
88		8.0R	1 19.697	0.0009	12	-27 56 31.88	0.002	12	0.26	19.682	16	33.2	31.92	16	33.2	A0 J	13B	5755	J -27 6196
89		9.5R	1 21.589	-0.0011	15	-25 2 13.34	0.020	15	0.30	21.607	16	33.2	13.68	16	33.2	A0 M	14	6990	E -24 7669
90		8.9R	1 23.070	-0.0024	15	-27 25 24.42	0.007	15	0.30	23.111	16	33.2	24.55	16	33.2	K5 J	13B	5756	J -27 6197
91		8.9R	1 24.084	0.0035	12	-28 51 51.01	-0.018	12	0.26	24.025	16	33.2	50.71	16	33.2	K5 M	13B	5757	J -28 6876
92		9.4R	1 27.063	-0.0014	20	-23 33 13.38	0.022	20	0.37	27.086	16	33.2	13.75	16	33.2	A3 M	14	6991	E -23 8020
93		8.5R	1 29.957	0.0020	15	-25 57 6.93	-0.022	15	0.30	29.924	16	33.2	6.56	16	33.2	K5 J	14	6993	E -25 6838
94		9.3R	1 31.917	0.0024	18	-23 19 1.92	-0.017	18	0.34	31.877	16	33.2	1.63	16	33.2	A0 J	14	6992	E -23 8021
95		9.2R	1 42.589	-0.0000	18	-23 9 50.80	0.005	18	0.34	42.589	16	33.2	50.88	16	33.2	A0 J	14	6994	E -22 6861
96		8.4R	1 42.963	-0.0008	18	-23 38 57.01	-0.019	18	0.34	42.976	16	33.2	56.69	16	33.2	A2 J	14	6995	E -23 8025
97		8.7R	1 47.736	-0.0016	15	-26 31 15.78	-0.030	15	0.30	47.764	16	33.2	15.27	16	33.2	A0 J	14	6996	E -26 6694
98		8.7R	1 49.965	0.0004	12	-29 34 10.58	-0.040	12	0.26	49.959	16	33.2	9.91	16	33.2	A5 J	13B	5759	J -29 7086
99		9.4R	1 50.504	0.0020	12	-29 48 13.05	-0.013	12	0.26	50.471	16	33.2	12.83	16	33.2	A2 M	13B	5760	J -29 7087
00		9.8R	1 51.578	-0.0014	18	-25 9 49.44	-0.020	18	0.34	51.601	16	33.2	49.11	16	33.2	K0 M	14	6997	E -24 7676

176900			EPOCH 1950										ORIGINAL EPOCH							SP.	SOURCE		-20° 9H
NUMBER	MAGNITUDES		α_{1950}		μ	σ_μ	δ_{1950}		μ'	$\sigma_{\mu'}$	σ_{1950}		α_2	σ	ep.	δ_2	σ'	ep.			CAT.	STAR NUMBER	DM NUMBER
	m_{pg}	m_v	h m	s	s	″.001	°	″	″	″.001	″		s	″.01		″	″.01						
1		8.5A	9 1	58.836	-0.0005	17	-21 47	19.02	0.011	12	0.29		58.845	16	33.2	19.20	16	33.2	KG	J	13A	4025	A -21 2681
2		8.8R	1	59.025	-0.0023	12	-27 23	32.17	0.012	12	0.26		59.064	16	33.2	32.37	16	33.2	G5	J	13B	5762	J -27 6215
3		7.9R	1	59.566	-0.0018	15	-24 2	26.97	0.018	15	0.30		59.596	16	33.2	27.27	16	33.2	A3	J	14	6999	E -23 8030
4		9.1A	2	1.207	0.0001	18	-21 22	32.92	-0.013	13	0.31		1.205	16	33.2	32.70	16	33.2	F8	J	13A	4026	A -21 2683
5		9.2A	2	2.748	-0.0053	18	-20 25	51.05	-0.008	13	0.31		2.836	16	33.2	50.91	16	33.2	G	J	13A	4027	A -20 2776
6		9.7R	2	23.769	-0.0009	20	-22 29	0.10	0.008	20	0.37		23.785	16	33.2	0.24	16	33.2	G0	M	14	7001	E -22 6870
7		9.4R	2	23.911	-0.0012	12	-29 30	46.30	-0.004	12	0.26		23.930	16	33.2	46.23	16	33.2	A0	M	13B	5769	J -29 7095
8		9.3R	2	24.018	-0.0027	13	-28 28	45.08	0.022	13	0.27		24.063	16	33.2	45.44	16	33.2	G5	M	13B	5768	J -28 6891
9		8.0R	2	24.455	-0.0015	12	-26 53	19.74	-0.005	12	0.26		24.480	16	33.2	19.66	16	33.2	B9	J	14	7002	E -26 6704
10		9.9R	2	30.825	0.0016	20	-23 2	19.80	-0.028	20	0.37		30.797	16	33.2	19.32	16	33.2	A0	M	14	7003	E -22 6875
11		8.5A	2	31.428	-0.0003	15	-21 11	34.60	0.028	11	0.27		31.433	16	33.2	35.07	16	33.2	K5	J	13A	4029	A -20 2780
12		9.4R	2	31.457	0.0013	15	-26 39	48.89	-0.029	15	0.30		31.436	16	33.2	48.40	16	33.2	F5	M	14	7004	E -26 6705
13		7.5A	2	34.615	0.0006	17	-20 49	25.44	-0.005	12	0.29		34.604	16	33.2	25.36	16	33.2	K2	J	13A	4030	A -20 2781
14		9.1R	2	36.532	-0.0018	13	-29 46	40.97	0.047	13	0.27		36.563	16	33.2	41.76	16	33.2	G5	M	13B	5771	J -29 7100
15		8.2R	2	37.233	-0.0009	15	-25 27	45.12	-0.006	15	0.30		37.247	16	33.2	45.03	16	33.2	F5	J	14	7005	E -25 5854
16		8.8A	2	42.743	0.0001	18	-21 50	30.25	0.023	13	0.31		42.742	16	33.2	30.63	16	33.2	G5	J	13A	4032	A -21 2687
17		9.2R	2	44.796	-0.0007	20	-29 52	10.33	-0.009	20	0.37		44.808	16	33.2	10.18	16	33.2	A5	M	13B	5772	J -29 7102
18		8.9A	2	45.660	-0.0075	18	-20 55	34.75	-0.017	13	0.31		45.786	16	33.2	34.47	16	33.2	G0	J	13A	4033	A -20 2785
19		8.3R	2	48.284	-0.0028	18	-23 34	33.01	0.005	18	0.34		48.331	16	33.2	33.10	16	33.2	A3	J	14	7006	E -23 8038
20		9.4R	2	49.630	0.0001	15	-24 21	21.82	0.007	15	0.30		49.628	16	33.2	21.94	16	33.2	A2	M	14	7008	E -24 7691
21		9.6R	2	49.908	-0.0096	18	-26 37	52.81	-0.054	18	0.34		50.068	16	33.2	51.90	16	33.2	G5	M	14	7011	E -26 6713
22		8.8R	2	50.951	-0.0010	18	-23 37	31.73	-0.015	18	0.34		50.967	16	33.2	31.95	16	33.2	M	M	14	7009	E -23 8040
23		8.4R	2	51.790	0.0002	18	-23 59	21.72	-0.017	18	0.34		51.786	16	33.2	21.44	16	33.2	F0	J	14	7010	E -23 8041
24		6.8T	2	58.635	-0.0021	13	-28 49	5.23	-0.039	12	0.68		58.745	18	98.4	3.12	18	95.3	K0	GC		12557	C*-28 6899
25		8.5R	3	1.853	0.0014	20	-28 34	40.13	0.008	20	0.37		1.829	16	33.2	40.27	16	33.2	A2	J	13B	5775	J -28 6900
26		9.1A	3	2.923	-0.0027	17	-20 11	0.38	-0.053	13	0.31		2.969	18	33.1	-59.47	16	33.1	K0	J	12B	4035	A -19 2613
27		9.0R	3	7.578	0.0005	17	-29 42	49.29	-0.013	17	0.32		7.569	16	33.2	49.07	16	33.2	B9	J	13B	5777	J -29 7107
28		6.9R	3	9.349	0.0011	18	-22 46	14.52	0.022	18	0.34		9.330	16	33.2	14.88	16	33.2	K5	J	14	7013	E -22 6881
29		9.1R	3	11.124	-0.0035	12	-26 53	53.19	0.017	12	0.26		11.182	16	33.2	53.48	16	33.2	G5	J	14	7015	E -26 6719
30		8.9R	3	12.433	0.0000	17	-28 49	40.91	-0.017	17	0.32		12.433	16	33.2	40.63	16	33.2	B9	J	13B	5778	J -28 6904
31		9.6R	3	14.181	0.0025	21	-23 18	51.21	-0.009	21	0.38		14.139	16	33.2	51.06	16	33.2	F8	M	14	7014	E -23 8044
32		9.0A	3	14.214	0.0018	17	-21 2	56.36	0.019	12	0.29		14.183	16	33.2	56.68	16	33.2	A5	J	13A	4037	A -20 2788
33		9.6R	3	16.225	-0.0023	20	-23 28	22.95	0.014	20	0.37		16.263	16	33.2	23.18	16	33.2	A5	M	14	7016	E -23 8045
34		9.2R	3	23.133	0.0056	20	-29 20	53.09	-0.047	20	0.37		23.038	16	33.2	52.30	16	33.2	F0	M	13B	5779	J -29 7113
35		9.0R	3	24.398	-0.0007	20	-29 15	18.61	0.048	20	0.37		24.409	16	33.2	19.42	16	33.2	G5	M	13B	5781	J -28 6909
36		8.7R	3	31.824	-0.0028	20	-28 27	29.84	0.038	20	0.37		31.871	16	33.2	30.47	16	33.2	K0	M	13B	5782	J -28 6910
37		9.4R	3	32.957	0.0000	18	-22 48	54.56	0.020	18	0.34		32.956	16	33.2	54.89	16	33.2	G5	M	14	7017	E -22 6883
38		8.3R	3	35.055	-0.0027	15	-27 52	56.56	-0.019	15	0.30		35.100	16	33.2	56.23	16	33.2	K0	J	13B	5783	J -27 6240
39		8.9R	3	35.057	-0.0008	15	-26 25	9.01	0.031	15	0.30		35.071	16	33.2	9.52	16	33.2	K5	M	14	7018	E -26 6725
40		9.2R	3	35.056	-0.0008	20	-29 19	3.50	-0.006	20	0.37		35.069	16	33.2	3.40	16	33.2	G0	M	13B	5784	J -29 7116
41		9.4R	3	35.258	-0.0003	20	-29 44	39.61	0.003	20	0.37		35.263	16	33.2	39.66	16	33.2	K0	M	13B	5785	J -29 7117
42		9.3R	3	38.941	-0.0025	20	-29 40	36.72	-0.064	20	0.37		38.984	16	33.2	35.65	16	33.2	G0	M	13B	5786	J -29 7118
43		9.4R	3	40.468	0.0025	18	-24 33	41.38	-0.012	18	0.34		40.426	16	33.2	41.17	16	33.2	F8	J	14	7020	E -24 7703
44		8.3R	3	41.337	0.0049	18	-27 7	53.78	-0.008	18	0.34		41.254	16	33.2	53.64	16	33.2	G5	J	14	7021	E -26 6727
45		9.1R	3	42.003	-0.0000	15	-27 35	21.89	0.001	15	0.30		42.004	16	33.2	21.90	16	33.2	A3	J	13B	5787	J -27 6242
46		8.3A	3	42.193	-0.0023	18	-21 19	51.97	-0.011	13	0.31		42.232	16	33.2	51.78	16	33.2	G5	J	13A	4039	A -20 2790
47		9.4R	3	44.702	-0.0032	20	-28 59	20.51	0.000	20	0.37		44.756	16	33.2	20.52	16	33.2			13B	5789	J -28 6914
48		8.9R	3	45.051	-0.0049	18	-25 27	15.53	0.015	18	0.34		45.134	16	33.2	15.78	16	33.2	F8	M	14	7022	E -25 6866
49		8.5R	3	48.678	-0.0026	18	-24 54	26.46	-0.019	18	0.34		48.722	16	33.2	26.15	16	33.2	F5	J	14	7023	E -24 7707
50		8.6R	3	49.685	-0.0050	18	-26 2	12.84	-0.010	18	0.34		49.769	16	33.2	12.66	16	33.2	G0	J	14	7025	E -25 6867
51		8.6R	9 3	51.093	-0.0019	18	-23 32	29.67	-0.010	18	0.34		51.124	16	33.2	29.50	16	33.2	A0	J	14	7024	E -23 8049
52		9.3R	3	54.036	-0.0029	20	-27 41	2.25	-0.040	20	0.37		54.084	16	33.2	1.57	16	33.2	K0	M	13B	5791	J -27 6248
53		9.4R	3	57.139	0.0021	18	-24 37	51.21	0.020	18	0.34		57.103	16	33.2	51.55	16	33.2	G5	M	14	7027	E -24 7710
54		8.4R	4	0.018	0.0024	20	-29 17	21.45	0.013	20	0.37		59.977	16	33.2	21.67	16	33.2	G0	M	13B	5793	J -28 6923
55		9.0R	4	3.848	0.0044	20	-29 35	5.91	0.017	20	0.37		3.774	16	33.2	6.19	16	33.2	K2	M	13B	5794	J -29 7126
56		9.2R	4	5.080	-0.0025	20	-26 30	55.98	-0.023	20	0.37		5.123	16	33.2	55.59	16	33.2	B9	J	14	7029	E -26 6731
57		9.4R	4	7.212	-0.0051	20	-25 23	32.94	0.005	20	0.37		7.298	16	33.2	33.03	16	33.2	F2	M	14	7030	E -25 6870
58		8.9A	4	8.319	-0.0012	17	-21 17	20.99	-0.004	13	0.30		8.339	16	33.2	20.92	16	33.2	A2	J	13A	4043	A -20 2792
59		9.0R	4	11.431	0.0016	12	-22 43	23.62	0.033	12	0.26		11.403	16	33.2	24.17	16	33.2	A0	J	14	7031	E -22 6892
60		8.7A	4	12.617	0.0001	18	-22 10	35.15	0.024	13	0.31		12.616	16	33.2	35.55	16	33.2	A0	J	13A	4045	A -21 2692
61		7.9R	4	17.706	-0.0027	18	-23 57	23.54	0.008	18	0.34		17.752	16	33.2	23.68	16	33.2	F2	J	14	7033	E -23 8058
62		8.9R	4	18.550	-0.0008	18	-27 0	52.61	-0.018	18	0.34		18.563	16	33.2	52.30	16	33.2	K0	M	14	7035	E -26 6732
63		8.3R	4	18.948	-0.0024	12	-27 46	16.29	0.006	12	0.26		18.989	16	33.2	16.36	16	33.2	K0	J	13B	5799	J -27 6257
64		9.4R	4	19.237	-0.0036	15	-24 33	4.49	-0.004	15	0.30		19.297	16	33.2	4.43	16	33.2	F5	M	14	7034	E -24 7715
65		8.8A	4	20.455	0.0015	18	-21 42	39.91	-0.021	12	0.30		20.430	16	33.2	39.55	16	33.2	K	J	13A	4046	A -21 2693
66		8.8R	4	23.110	-0.0020	17	-28 41	3.90	-0.084	17	0.32		23.143	16	33.2	2.50	16	33.2	F8	M	13B	5800	J -28 6926
67		8.5R	4	24.975	-0.0027	15	-27 27	11.45	-0.030	15	0.30		25.021	16	33.2	10.94	16	33.2	K0	M	13B	5801	J -27 6258
68		8.7R	4	29.043	-0.0018	20	-27 20	33.56	0.034	20	0.37		29.074	16	33.2	34.12	16	33.2	K0	J	13B	5802	J -27 6259
69		8.5R	4	29.886	-0.0009	20	-26 44	0.83	0.055	17	0.34		29.901	16	33.2	1.75	16	33.2	K0	J	14	7036	E -26 6733
70		9.5R	4	30.121	0.0005	20	-27 51	25.45	0.019	20	0.37		30.113	16	33.2	25.78	16	33.2	A3	M	13B	5803	J -27 6260
71		9.3R	4	30.900	0.0010	20	-27 32	9.34	-0.020	20	0.37		30.883	16	33.2	8.99	16	33.2	K0	M	13B	5804	J -27 6261
72		8.9R	4	32.004	0.0019	20	-29 40	50.72	0.013	20	0.37		31.972	16	33.2	50.94	16	33.2	K5	M	13B	5805	J -29 7131
73		9.2R	4	38.128	0.0016	20	-27 8	21.70	-0.010	20	0.37		38.100	16	33.2	21.54	16	33.2	F5	M	14	7038	E -26 6734
74		8.5R	4	38.139	-0.0040	18	-23 7	31.76	0.008	18	0.34		38.206	16	33.2	31.89	16	33.2	F5	J	14	7037	E -22 6898
75		9.3R	4	41.203	0.0032	18	-24 27	57.41	-0.013	18	0.34		41.149	16	33.2	57.20	16	33.2	M	M	14	7039	E -24 7720
76		7.9R	4	41.526	-0.0045	17	-29 5	25.02	0.007	17	0.32		41.602	16	33.2	25.14	16	33.2	F5	J	13B	5807	J -28 6930
77		9.3R	4	42.414	-0.0030	12	-28 7	1.61	-0.021	12	0.26		42.465	16	33.2	1.25	16	33.2	K2	M	13B	5806	J -27 6263
78		9.1A	4	46.451	-0.0017	18	-21 0	22.52	0.001	13	0.31		46.480	16	33.2	22.53	16	33.2	K5	J	13A	4049	A -20 2795
79		9.4R	4	49.667	-0.0013	18	-22 18	51.41	0.004	18	0.34		49.689	16	33.2	51.48	16	33.2	K	M	14	7040	E -22 6900
80		8.5R	4	51.503	-0.0017	20	-27 7	7.26	-0.010	20	0.37		51.532	16	33.2	7.09	16	33.2	K0	J	14	7041	E -26 6736
81		8.5A	5	4.428	-0.0031	18	-20 8	37.76	-0.028	13	0.32		4.480	18	33.1	37.28	16	33.1	F0	J	12B	4050	A -19 2622
82		8.4R	5	5.076	0.0057	18	-24 57	7.66	-0.053	18	0.34		4.980	16	33.2	6.77	16	33.2	G5	J	14	7042	E -24 7729
83		9.5R	5	19.264	0.0023	18	-24 35	58.78	-0.007	18	0.34		19.226	16	33.2	58.65	16	33.2	K2	M	14	7045	E -24 7733
84		9.5R	5	19.667	0.0001	18	-24 20	4.27	-0.013	18	0.34		19.665	16	33.2	4.05	16	33.2	F5	M	14	7046	E -24 7732
85		9.0R	5	21.182	-0.0002	18	-24 44	42.53	0.008	18	0.34		21.185	16	33.2	42.67	16	33.2	K0	M	14	7047	E -24 7735
86		7.5T	5	21.503	-0.0033	14	-29 52	52.61	0.017	12	0.71		21.668	18	00.0	53.51	19	97.2	G5	GC		12605	C -29 7143
87		8.9R	5	22.253	-0.0014	17	-28 27	13.57	-0.013	17	0.32		22.276	16	33.2	13.35	16	33.2	K0	M	13B	5815	J -28 6943
88		8.8R	5	22.341	0.0012	18	-23 49	29.83	-0.004	18	0.34		22.321	16	33.2	29.76	16	33.2	A2	J	14	7048	E -23 8071
89		9.0A	5	23.421	0.0023	18	-21 7	7.41	0.007	13	0.31		23.382	16	33.2	7.53	16	33.2	K7	J	13A	4052	A -20 2797
90		9.3R	5	24.511	-0.0030	15	-27 18	57.93	0.034	15	0.30		24.561	16	33.2	58.51	16	33.2	K0	M	13B	5817	J -27 6270
91		9.5R	5	26.541	0.0005	18	-25 0	26.57	-0.005	18	0.34		26.533	16	33.2	26.49	16	33.2	K0	M	14	7049	E -24 7737
92		9.3R	5	31.906	-0.0048	15	-27 48	3.10	-0.019	15	0.30		31.986	16	33.2	2.77	16	33.2	A0	J	13B	5819	J -27 6272
93		9.4R	5	32.392	0.0008	18	-23 11	39.16	0.010	18	0.34		32.379	16	33.2	39.32	16	33.2	G5	J	14	7050	E -22 6911
94		9.0R	5	33.477	0.0008	17	-28 48	5.17	0.002	17	0.32		33.463	16	33.2	5.21	16	33.2	A0	J	13B	5820	J -28 6946
95		8.7R	5	39.361	-0.0026	17	-29 45	7.45	0.003	17	0.32		39.405	16	33.2	7.50	16	33.2	G5	J	13B	5823	J -29 7152
96		7.6R	5	39.413	-0.0004	15	-27 59	44.17	-0.016	15	0.30		39.420	16	33.2	43.89	16	33.2	G5	J	13B	5821	J -27 6274
97		7.6R	5	39.922	-0.0006	12	-28 23	28.30	0.002	12	0.26		39.933	16	33.2	28.34	16	33.2	K2	J	13B	5822	J -28 6948
98		9.5R	5	41.792	-0.0022	20	-23 32	48.18	0.018	20	0.37		41.828	16	33.2	48.48	16	33.2	K5	M	14	7051	E -23 8078
99		9.5R	5	44.449	0.0011	18	-25 1	5.12	0.015	18	0.34		44.431	16	33.2	5.38	16	33.2	A0	J	14	7052	E -24 7746
00		8.8R	5	50.432	0.0030	18	-24 45	37.40	-0.036	18	0.34		50.381	16	33.2	36.79	16	33.2	K0	J	14	7053	E -24 7748

177000 — EPOCH 1950 — ORIGINAL EPOCH — -20° 9H

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	σ'_μ ″.001	σ_{1950} ″	α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.		SOURCE CAT.	SOURCE STAR NUMBER	DM NUMBER
1		8.9A	9 5 50.923	-0.0015	18	-21 51 44.15	0.022	13	0.31	50.949	16	33.2	44.52	16	33.2	A0	J	13A	4055	A -21 2701
2		4.8T	5 51.103	0.0028	04	-25 39 20.58	0.005	04	0.16	50.989	06	09.1	20.78	06	08.4	K5		GC	12614K	C*-25 6895
3		9.2R	5 51.514	-0.0003	21	-24 16 13.54	0.019	21	0.38	51.518	16	33.2	13.86	16	33.2	K7	M	14	7054	E -23 8080
4		8.0R	5 52.592	0.0007	18	-27 6 9.58	0.012	18	0.34	52.581	16	33.2	9.79	16	33.2	M1	M	14	7056	E -26 6752
5		9.3A	5 53.114	-0.0019	15	-20 41 22.95	0.012	11	0.27	53.146	16	33.2	23.15	16	33.2	F0	J	13A	4056	A -20 2798
6		8.1R	5 55.361	-0.0035	15	-27 33 1.68	0.004	15	0.30	55.421	16	33.2	1.74	16	33.2	A0	J	13B	5826	J -27 6279
7		8.9R	5 56.688	-0.0076	17	-28 49 44.50	-0.002	17	0.32	56.816	16	33.2	44.47	16	33.2	G0	M	13B	5827	J -28 6953
8		9.2R	5 57.835	-0.0023	12	-29 28 38.71	0.014	12	0.26	57.874	16	33.2	38.95	16	33.2	F0	M	13B	5828	J -29 7156
9		9.2R	6 1.159	0.0013	20	-27 56 2.81	-0.006	20	0.37	1.138	16	33.2	2.70	16	33.2	K5	M	13B	5829	J -27 6282
10		8.6R	6 4.701	-0.0039	18	-23 44 55.59	0.022	18	0.34	4.766	16	33.2	55.96	16	33.2	K0	J	14	7057	E -23 8082
11		8.3R	6 4.824	-0.0029	20	-28 16 59.98	-0.017	20	0.37	4.873	16	33.2	59.69	16	33.2	A0	J	13B	5830K	J -27 6285
12		9.0R	6 6.031	0.0018	12	-28 42 49.13	0.018	12	0.26	6.001	16	33.2	49.43	16	33.2	G5	M	13B	5831	J -28 6956
13		9.2R	6 6.547	0.0002	18	-25 11 48.23	-0.005	18	0.34	6.543	16	33.2	48.15	16	33.2	A0	J	14	7059	E -24 7755
14		9.0R	6 7.163	-0.0003	18	-23 7 19.89	0.008	18	0.34	7.167	16	33.2	20.02	16	33.2	F0	J	14	7058	E -22 6918
15		8.9R	6 10.515	0.0002	18	-22 51 34.34	0.041	18	0.34	10.512	16	33.2	35.02	16	33.2	K0	J	14	7060	E -22 6919
16		9.2A	6 11.568	-0.0011	15	-21 2 51.57	0.014	11	0.27	11.586	16	33.2	51.80	16	33.2	A5	J	13A	4058	A -20 2800
17		9.6R	6 22.074	-0.0004	18	-24 57 1.62	0.027	18	0.34	22.081	16	33.2	2.08	16	33.2	K2	M	14	7061	E -24 7759
18		6.8T	6 26.094	-0.0249	09	-25 38 10.72	-0.019	07	0.47	27.436	15	96.1	9.58	15	91.1	F8		GC	12633	C -25 6905
19		8.6R	6 27.640	-0.0008	18	-23 40 52.70	0.000	18	0.34	27.654	16	33.2	52.70	16	33.2	K2	J	14	7062	E -23 8088
20		8.6A	6 27.900	0.0002	18	-21 46 48.40	-0.021	13	0.31	27.897	16	33.2	48.05	16	33.2	K0	J	13A	4061	A -21 2704
21		8.7R	6 31.317	-0.0004	20	-27 53 49.04	0.028	20	0.37	31.310	16	33.2	49.50	16	33.2	K0	J	13B	5834	J -27 6291
22		6.2T	6 32.922	-0.0028	09	-26 33 51.74	0.012	07	0.35	33.038	09	08.2	52.26	09	08.4	A2		GC	12636	C -26 6766
23		9.0R	6 34.545	0.0012	18	-25 9 5.17	0.013	18	0.34	34.525	16	33.2	5.40	16	33.2	F5	J	14	7065	E -24 7764
24		9.0R	6 36.736	-0.0003	18	-23 31 38.85	-0.031	18	0.34	36.740	16	33.2	38.33	16	33.2	F0	J	14	7066	E -23 8089
25		8.6R	6 37.110	-0.0046	18	-26 13 14.84	0.028	18	0.34	37.187	16	33.2	15.30	16	33.2	G0	J	14	7067	E -25 6909
26		8.8R	6 40.142	0.0059	18	-23 56 22.59	-0.102	18	0.34	40.042	16	33.2	20.88	16	33.2	G0	J	14	7068	E -23 8092
27		9.0A	6 40.881	-0.0030	20	-22 11 16.54	-0.001	15	0.33	40.931	16	33.2	16.52	16	33.2	F8	J	13A	4062	A -21 2705
28		9.4R	6 44.439	-0.0063	15	-27 15 27.35	-0.007	15	0.30	44.545	16	33.2	27.23	16	33.2	F8	M	13B	5837	J -26 6770
29		8.5R	6 52.532	0.0064	12	-26 49 35.63	-0.010	12	0.26	52.424	16	33.2	35.46	16	33.2	F8	J	14	7069	E -26 6774
30		8.0A	6 53.261	-0.0013	17	-20 43 25.37	-0.017	12	0.29	53.284	16	33.2	25.08	16	33.2	K0	J	13A	4065	A -20 2803
31		7.8R	6 53.502	-0.0078	17	-28 45 14.56	0.053	12	0.29	53.633	16	33.2	15.45	16	33.2	G0	J	13B	5840	J -28 6966
32		8.9R	6 54.794	-0.0039	12	-28 24 2.21	0.045	12	0.26	54.859	16	33.2	2.96	16	33.2	F8	M	13B	5841	J -28 6967
33		9.2R	6 55.019	0.0008	18	-25 25 35.94	0.002	18	0.34	55.005	16	33.2	35.98	16	33.2	K0	J	14	7070	E -25 6910
34		7.9R	6 56.802	0.0007	18	-24 38 24.48	-0.039	18	0.34	56.789	16	33.2	23.83	16	33.2	M3	M	14	7071	E -24 7771
35		9.0A	6 58.765	-0.0017	20	-21 18 43.77	-0.002	15	0.33	58.793	16	33.2	43.74	16	33.2	K0	J	13A	4066	A -20 2804
36		8.1R	6 59.045	-0.0039	15	-27 57 41.29	0.010	15	0.30	59.110	16	33.2	41.45	16	33.2	K0	J	13B	5844	J -27 6297
37		9.5R	7 3.820	-0.0009	18	-25 2 10.32	0.003	18	0.34	3.834	16	33.2	10.38	16	33.2	K0	M	14	7073	E -24 7772
38		9.1R	7 4.873	0.0013	18	-23 20 10.68	-0.066	18	0.34	4.850	16	33.2	9.57	16	33.2	K0	M	14	7072	E -23 8096
39		9.6R	7 5.786	-0.0039	20	-23 34 9.42	-0.001	20	0.37	5.851	16	33.2	9.41	16	33.2	G5	M	14	7074	E -23 8098
40		9.3R	7 7.083	0.0016	12	-28 26 10.34	0.022	12	0.26	7.057	16	33.2	10.70	16	33.2	G0	M	13B	5847	J -28 6974
41		8.6R	7 7.129	-0.0005	18	-24 15 27.86	-0.033	18	0.34	7.137	16	33.2	27.31	16	33.2	K2	M	14	7075	E -23 8100
42		9.7R	7 9.049	-0.0026	20	-24 31 51.63	0.013	15	0.33	9.093	16	33.2	52.05	16	33.2	K5	M	14	7076	E -24 7775
43		9.0R	7 10.753	0.0005	17	-29 57 26.16	0.002	17	0.32	10.745	16	33.2	26.19	16	33.2	K5	J	13B	5849	J -29 7182
44		8.8R	7 13.269	0.0021	15	-23 18 57.29	-0.032	15	0.30	13.233	16	33.2	56.74	16	33.2	G5	J	14	7077	E -23 8104
45		8.9R	7 17.056	-0.0004	18	-24 55 45.87	0.015	18	0.34	17.062	16	33.2	46.11	16	33.2	K2	J	14	7078	E -24 7779
46		8.6R	7 18.275	-0.0024	20	-25 48 38.34	0.035	20	0.37	18.316	16	33.2	38.92	16	33.2	K2	J	14	7079	E -25 6913
47		7.0R	7 23.614	-0.0024	18	-22 23 54.95	-0.009	18	0.34	23.654	16	33.2	54.81	16	33.2	K0	J	14	7080	E -22 6931
48		6.8T	7 26.733	0.0005	12	-29 36 46.55	0.031	12	0.65	26.707	15	98.8	48.18	18	97.5	K0		GC	12654	C -29 7185
49		8.7R	7 27.104	-0.0004	20	-28 16 55.32	-0.005	20	0.37	27.111	16	33.2	55.23	16	33.2	A2	J	13B	5851K	J -27 6306
50		9.4R	7 27.641	0.0054	18	-27 12 20.79	-0.025	18	0.34	27.551	16	33.2	20.36	16	33.2	K2	M	13B	5850	J -26 6784
51		9.4R	9 7 30.628	-0.0003	17	-29 19 28.31	0.002	17	0.32	30.634	16	33.2	28.35	16	33.2	A0	M	13B	5853	J -29 7186
52		9.0A	7 32.593	-0.0011	17	-21 29 56.42	0.018	12	0.29	32.610	16	33.2	56.72	16	33.2	G0	J	13A	4072	A -21 2711
53		9.0R	7 33.344	-0.0049	13	-29 14 5.02	-0.035	13	0.27	33.426	16	33.2	4.44	16	33.2	F8	M	13B	5855	J -28 6979
54		9.6R	7 33.527	0.0100	15	-22 46 26.01	-0.103	15	0.30	33.359	16	33.2	24.27	16	33.2	K0	M	14	7081	E -22 6934
55		7.2T	7 33.941	-0.0009	07	-25 35 56.18	0.012	06	0.38	33.988	14	97.7	56.83	14	93.7	A0		GC	12656K	C*-25 6918
56		9.4R	7 34.625	0.0001	12	-26 48 46.63	0.019	12	0.26	34.624	16	33.2	46.94	16	33.2	G5	J	14	7083	E -26 6786
57		9.1A	7 40.583	-0.0033	20	-20 31 14.67	-0.064	15	0.33	40.638	16	33.2	13.59	16	33.2	G0	J	13A	4073	A -20 2808
58		8.6A	7 46.677	0.0001	18	-21 12 50.27	-0.017	13	0.31	46.675	16	33.2	49.98	16	33.2	A0	J	13A	4074	A -20 2809
59		8.3R	7 48.355	-0.0003	12	-28 33 0.89	-0.047	12	0.26	48.360	16	33.2	0.11	16	33.2	G5	J	13B	5857K	J -28 6981
60		9.3R	7 49.525	-0.0038	12	-28 46 34.73	0.090	12	0.26	49.588	16	33.2	36.24	16	33.2	G0	M	13B	5859	J -28 6982
61		9.4R	7 50.470	-0.0034	15	-27 29 27.98	-0.037	15	0.30	50.528	16	33.2	27.35	16	33.2	K0	M	13B	5858	J -27 6311
62		9.4R	7 56.999	-0.0020	20	-22 50 53.83	0.015	20	0.37	57.032	16	33.2	54.07	16	33.2	K5	M	14	7084	E -22 6941
63		9.2R	7 57.017	-0.0015	18	-23 57 48.00	-0.028	18	0.34	56.992	16	33.2	47.53	16	33.2	K0	M	14	7085	E -23 8112
64		9.2R	8 2.507	-0.0028	15	-26 19 11.38	0.098	15	0.30	2.555	16	33.2	13.02	16	33.2	G0	M	14	7086	E -26 6793
65		8.8R	8 5.753	-0.0023	17	-29 32 36.97	-0.030	17	0.32	5.792	16	33.2	36.46	16	33.2	A0	J	13B	5863	J -29 7197
66		6.5T	8 8.689	-0.0020	08	-22 58 20.00	-0.006	09	0.34	8.761	10	13.3	19.75	12	10.4	A0		GC	12665	B*-22 2512
67		9.6R	8 11.494	0.0007	18	-24 59 0.05	0.010	15	0.32	11.481	16	33.2	0.22	16	33.2	K2	M	14	7088	E -24 7795
68		9.5R	8 11.520	-0.0017	20	-27 28 33.81	-0.017	20	0.37	11.548	16	33.2	33.52	16	33.2	K0	M	13B	5864	J -27 6314
69		9.4R	8 13.262	-0.0020	15	-26 55 7.19	0.015	15	0.30	13.296	16	33.2	7.43	16	33.2	A2	M	14	7091	E -26 6795
70		9.9R	8 13.295	0.0018	18	-24 38 33.69	-0.002	18	0.34	13.265	16	33.2	33.66	16	33.2	F5	M	14	7090	E -24 7796
71		9.3R	8 13.354	-0.0019	18	-23 5 10.17	0.010	18	0.34	13.386	16	33.2	10.33	16	33.2	A2	J	14	7089	E -22 6947
72		7.3T	8 17.181	0.0004	13	-26 4 57.01	-0.035	12	0.68	17.161	15	98.8	55.09	18	95.8	B5		GC	12667	C -25 6930
73		9.6R	8 20.308	-0.0002	18	-22 20 37.19	-0.014	18	0.34	20.312	16	33.2	36.95	16	33.2	F0	M	14	7092	E -22 6950
74		7.7R	8 23.525	-0.0000	15	-27 58 45.41	-0.020	15	0.30	23.526	16	33.2	45.07	16	33.2	K5	J	13B	5865	J -27 6319
75		9.0A	8 24.915	-0.0035	15	-20 27 55.16	0.024	11	0.27	24.975	16	33.2	55.55	16	33.2	K2	J	13A	4079	A -20 2811
76		8.2R	8 26.698	-0.0016	18	-22 53 59.09	0.033	18	0.34	26.725	16	33.2	59.64	16	33.2	K2	J	14	7094	E -22 6954
77		8.6R	8 28.834	-0.0016	18	-26 32 43.00	-0.020	18	0.34	28.862	16	33.2	42.66	16	33.2	K0	J	14	7095	E -26 6798
78		9.2R	8 31.615	-0.0002	18	-24 34 50.22	0.029	18	0.34	31.618	16	33.2	50.71	16	33.2	K0	M	14	7097	E -24 7802
79		9.5R	8 32.502	0.0022	18	-23 8 1.02	0.052	18	0.34	32.465	16	33.2	1.89	16	33.2	K0	M	14	7096	E -22 6955
80		9.6R	8 35.707	0.0015	18	-23 15 57.37	-0.015	18	0.34	35.682	16	33.2	57.11	16	33.2	F0	M	14	7099	E -22 6957
81		8.8A	8 37.039	-0.0014	18	-21 31 53.53	0.006	15	0.32	37.063	16	33.2	53.63	16	33.2	F8	J	13A	4081	A -21 2715
82		9.6R	8 42.306	-0.0017	18	-23 58 17.30	-0.022	18	0.34	42.534	16	33.2	16.93	16	33.2	G0	M	14	7100	E -23 8120
83		8.7R	8 55.019	-0.0025	20	-27 14 10.83	0.002	20	0.37	55.061	16	33.2	10.86	16	33.2	F5	J	13B	5872	J -26 6807
84		9.5R	8 56.048	-0.0004	20	-27 38 45.17	0.035	20	0.28	56.055	16	33.2	45.75	16	33.2	F0	M	13B	5873	J -27 6328
85		9.6R	8 56.225	-0.0034	18	-23 49 41.49	0.023	18	0.34	56.282	16	33.2	41.88	16	33.2	K0	M	14	7101	E -23 8123
86		9.1R	9 2.481	-0.0019	17	-26 16 32.49	0.024	17	0.32	2.513	16	33.2	32.89	16	33.2	K7	M	14	7102	E -25 6941
87		9.0R	9 3.172	0.0007	12	-29 56 39.09	0.001	12	0.26	3.161	16	33.2	39.10	16	33.2	F8	M	13B	5874	J -29 7211
88		9.3R	9 4.275	0.0026	17	-29 18 11.18	-0.018	17	0.32	4.231	16	33.2	10.88	16	33.2	F5	M	13B	5875	J -28 7003
89		9.3R	9 15.487	-0.0018	20	-28 46 9.48	0.004	20	0.37	15.517	16	33.2	9.56	16	33.2	F5	M	13B	5876	J -28 7005
90		9.1R	9 20.901	-0.0024	20	-27 56 9.51	0.036	20	0.37	20.942	16	33.2	10.12	16	33.2	F8	M	13B	5877	J -27 6336
91		7.3R	9 21.782	-0.0014	20	-28 13 20.02	0.012	20	0.37	21.805	16	33.2	20.22	16	33.2	B9	J	13B	5878	J -27 6337
92		9.3R	9 24.111	0.0027	17	-29 35 26.22	-0.004	17	0.32	24.066	16	33.2	26.15	16	33.2	F8	M	13B	5880	J -29 7217
93		9.0R	9 25.671	-0.0006	12	-27 33 33.64	0.014	12	0.26	25.682	16	33.2	33.87	16	33.2	A2	J	13B	5879	J -27 6338
94		9.8R	9 26.752	-0.0019	20	-22 39 25.83	0.036	20	0.37	26.784	16	33.2	26.43	16	33.2	A0	M	14	7104	E -22 6970
95		9.4R	9 33.695	0.0021	18	-24 31 9.49	-0.022	18	0.34	33.659	16	33.2	9.13	16	33.2	A2	J	14	7105	E -24 7816
96		8.9A	9 33.867	-0.0010	18	-22 1 42.40	-0.014	13	0.31	33.884	16	33.2	42.16	16	33.2	G5	J	13A	4084	A -21 2720
97		9.6R	9 34.689	-0.0015	20	-24 45 44.28	0.039	20	0.37	34.713	16	33.2	44.94	16	33.2	F8	M	14	7106	E -24 7817
98		7.3R	9 41.534	-0.0070	20	-28 6 34.93	0.023	20	0.37	41.651	16	33.2	35.31	16	33.2	K0	J	13B	5882	J -27 6342
99		9.5R	9 43.070	0.0017	18	-25 5 1.51	0.018	18	0.34	43.041	16	33.2	1.81	16	33.2	K0	M	14	7108	E -24 7820
00		9.0R	9 46.252	0.0018	18	-23 53 38.76	-0.009	18	0.34	46.222	16	33.2	38.61	16	33.2	K0	M	14	7109	E -23 8140

177100

EPOCH 1950 — ORIGINAL EPOCH — SOURCE — -20° 9H

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	σ'_μ ″.001	σ_{1950} ″	α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	CAT.	STAR NUMBER	DM NUMBER
1		9.3R	9 9 50.422	-0.0006	18	-23 11 37.17	-0.001	18	0.34	50.431	16	33.2	37.15	16	33.2	KO M	14	7111	E -22 6978
2		8.9R	9 54.325	-0.0021	17	-27 45 30.61	-0.040	17	0.32	54.361	16	33.2	31.27	16	33.2	KO M	13B	5884	J -27 6343
3		9.0R	9 57.706	-0.0009	17	-28 1 54.45	-0.000	17	0.32	57.722	16	33.2	54.44	16	33.2	F2 J	13B	5886	J -27 6347
4		9.3A	10 4.388	0.0001	17	-22 23 28.32	-0.007	12	0.29	4.386	16	33.2	28.20	16	33.2	KO J	13A	4068	A -22 2525
5		7.9R	10 5.285	0.0017	17	-26 16 17.50	-0.036	17	0.32	5.257	16	33.2	16.89	16	33.2	KO J	14	7112	E -25 6963
6		9.1R	10 6.792	0.0011	20	-29 43 4.02	-0.056	20	0.37	6.774	16	33.2	3.08	16	33.2	KO M	13B	5887	J -29 7225
7		8.8R	10 9.447	-0.0024	20	-27 30 21.07	-0.027	20	0.37	9.488	16	33.2	20.63	16	33.2	K7 M	13B	5888	J -27 6349
8		9.0R	10 11.420	-0.0002	20	-29 35 33.70	0.012	20	0.37	11.424	16	33.2	33.90	16	33.2	A2 J	13B	5889	J -29 7226
9		8.6R	10 12.572	-0.0017	20	-26 8 44.35	0.018	20	0.37	12.600	16	33.2	44.64	16	33.2	KO M	14	7114	E -25 6967
10		6.8T	10 12.910	-0.0014	12	-28 44 29.59	0.006	12	0.65	12.985	15	97.8	29.93	18	96.5	B8	GC	12710	C -28 7019
11		7.4T	10 13.219	-0.0009	14	-25 23 40.91	0.000	12	0.70	13.265	18	99.7	40.93	18	96.3	+++	GC	12711	C*-25 6966
12		9.0R	10 20.981	-0.0025	18	-23 58 45.17	-0.064	18	0.34	21.023	16	33.2	44.10	16	33.2	KO M	14	7115	E -23 8147
13		8.4R	10 21.114	-0.0018	20	-26 18 12.98	0.026	20	0.37	21.145	16	33.2	13.41	16	33.2	K5 M	14	7116	E -26 6822
14		9.4R	10 26.819	-0.0004	20	-25 11 45.54	-0.051	20	0.37	26.826	16	33.2	44.68	16	33.2	G0 M	14	7117	E -24 7830
15		8.7R	10 31.228	-0.0016	17	-29 18 26.58	0.009	17	0.32	31.254	16	33.2	26.74	16	33.2	K2 J	13B	5893	J -28 7023
16		9.0R	10 33.076	-0.0014	15	-22 19 23.23	0.019	15	0.30	33.099	16	33.2	23.55	16	33.2	F2 J	14	7118	E -22 6994
17		9.0A	10 33.135	-0.0004	18	-21 37 4.36	0.012	13	0.31	33.141	16	33.2	4.56	16	33.2	A5 J	13A	4089	A -21 2725
18		9.2R	10 33.496	0.0014	18	-23 28 43.24	-0.151	18	0.34	33.472	16	33.2	40.70	16	33.2	F8 M	14	7119	E -23 8149
19		9.5R	10 33.792	-0.0024	20	-23 14 25.83	-0.016	20	0.37	33.832	16	33.2	25.56	16	33.2	K M	14	7120	E -22 6992
20		9.0R	10 34.735	0.0024	18	-24 51 35.07	-0.014	18	0.34	34.695	16	33.2	34.84	16	33.2	KO J	14	7122	E -24 7835
21		9.2R	10 43.216	-0.0017	15	-25 25 6.80	0.018	15	0.30	43.244	16	33.2	7.11	16	33.2	A0 J	14	7123	E -25 6972
22		9.5R	10 53.505	-0.0218	18	-26 52 46.27	-0.109	18	0.34	53.870	16	33.2	44.44	16	33.2	M0 M	14	7125	E -24 7844
23		8.7R	10 54.555	-0.0028	15	-26 47 49.25	0.024	15	0.30	54.603	16	33.2	49.66	16	33.2	KO M	14	7126	E -26 6833
24		8.0R	10 55.149	0.0004	17	-29 10 16.58	-0.019	17	0.32	55.143	16	33.2	16.26	16	33.2	KO J	13B	5897	J -28 7028
25		9.4R	10 57.388	0.0014	18	-26 0 56.42	-0.001	18	0.34	57.365	16	33.2	56.40	16	33.2	K2 M	14	7127	E -25 6978
26		8.0R	11 7.370	0.0005	18	-24 25 8.95	-0.017	18	0.34	7.362	16	33.2	8.67	16	33.2	K2 J	14	7128	E -24 7846
27		6.5T	11 13.064	0.0021	12	-29 27 26.84	0.023	13	0.68	12.958	18	99.0	28.06	18	97.9	K5	GC	12733	C -29 7239
28		8.9R	11 15.398	-0.0011	18	-24 38 45.28	0.011	18	0.34	15.416	16	33.2	45.47	16	33.2	A0 J	14	7129	E -24 7847
29		9.4R	11 17.880	0.0012	18	-23 37 16.97	0.066	18	0.34	17.860	16	33.2	18.08	16	33.2	G5 M	14	7130	E -23 8156
30		9.4R	11 18.231	-0.0005	18	-24 40 17.29	0.017	18	0.34	18.239	16	33.2	17.58	16	33.2	F0 M	14	7131	E -24 7848
31		8.8A	11 27.702	0.0003	18	-21 9 30.40	-0.024	13	0.31	27.697	16	33.2	30.00	16	33.2	K0 J	13A	4095	A -20 2824
32		8.3A	11 30.014	-0.0034	15	-20 1 18.09	0.014	11	0.28	30.072	18	33.1	18.32	16	33.1	A2 J	12B	4096	A -19 2653
33		8.7A	11 30.618	-0.0005	18	-20 5 44.29	-0.008	13	0.32	30.627	18	33.1	44.14	16	33.1	K2 J	12B	4097	A -19 2654
34		9.9R	11 30.741	-0.0020	18	-24 25 11.64	-0.117	18	0.34	30.775	16	33.2	9.68	16	33.2	G5 M	14	7134	E -24 7850
35		9.3R	11 30.901	0.0013	20	-27 33 57.80	0.005	20	0.37	30.880	16	33.2	57.88	16	33.2	F0 M	13B	5904	J -27 6369
36		9.3R	11 31.368	0.0010	18	-23 21 10.33	0.020	18	0.34	31.350	16	33.2	10.66	16	33.2	G0 M	14	7132	E -23 8161
37		7.6T	11 32.432	-0.0008	17	-22 39 45.40	0.074	17	0.65	32.469	18	01.5	49.02	18	00.8	G5	GC	12736	-22 2530
38		7.6R	11 32.570	-0.0031	15	-28 5 52.49	-0.016	15	0.30	32.622	16	33.2	52.21	16	33.2	K0 J	13B	5906	J -27 6370
39		10.0R	11 33.321	-0.0056	20	-23 5 59.22	0.001	20	0.37	33.414	16	33.2	59.23	16	33.2	K0 M	14	7135	E -22 7009
40		8.9R	11 33.732	0.0008	18	-24 41 46.40	0.027	18	0.34	33.718	16	33.2	46.84	16	33.2	A0 J	14	7136	E -24 7852
41		8.9A	11 39.462	0.0010	17	-21 51 58.00	-0.044	13	0.30	39.445	16	33.2	57.26	16	33.2	K0 J	13A	4100	A -21 2731
42		9.3R	11 41.436	-0.0017	18	-23 17 4.69	-0.012	18	0.34	41.462	16	33.2	4.48	16	33.2	K0 M	14	7137	E -22 7011
43		8.3R	11 41.998	-0.0028	12	-29 14 41.57	0.007	12	0.26	42.044	16	33.2	41.69	16	33.2	K2 J	13B	5910	J -28 7042
44		9.2R	11 42.019	-0.0028	15	-27 45 33.00	-0.008	15	0.30	42.066	16	33.2	32.86	16	33.2	A0 M	13B	5909	J -27 6374
45		9.0R	11 46.417	0.0005	18	-22 29 10.59	0.003	18	0.34	46.409	16	33.2	10.64	16	33.2	G5 J	14	7138	E -22 7013
46		9.1R	11 48.618	0.0039	15	-27 18 38.00	-0.146	15	0.30	48.553	16	33.2	35.54	16	33.2	K2 M	13B	5913	J -27 6378
47		8.5A	11 53.347	-0.0002	18	-21 34 16.36	0.002	13	0.31	53.351	16	33.2	16.39	16	33.2	K0 J	13A	4102	A -21 2733
48		9.5R	11 57.707	-0.0023	18	-24 43 45.91	-0.009	18	0.34	57.745	16	33.2	45.76	16	33.2	A2 J	14	7139	E -24 7861
49		7.7R	11 58.040	-0.0043	15	-27 54 35.34	-0.040	15	0.30	58.113	16	33.2	34.66	16	33.2	A0 J	13B	5915	J -27 6383
50		9.4R	12 2.965	0.0015	15	-22 42 55.50	0.021	15	0.30	2.940	16	33.2	55.84	16	33.2	K0 M	14	7140	E -22 7018
51		9.4R	9 12 3.498	0.0020	12	-22 57 47.10	-0.003	12	0.26	3.464	16	33.2	47.04	16	33.2	F5 M	14	7141	E -22 7019
52		9.1R	12 3.587	0.0001	20	-27 38 10.89	0.001	20	0.37	3.585	16	33.2	10.90	16	33.2	K0 M	13B	5917	J -27 6384
53		8.7R	12 3.753	0.0019	12	-27 11 31.71	-0.019	12	0.26	3.721	16	33.2	31.39	16	33.2	F8 J	14	7142	E -26 6844
54		9.2R	12 8.470	0.0006	15	-25 59 37.49	-0.006	15	0.30	8.460	16	33.2	37.38	16	33.2	A0 J	14	7144	E -25 6996
55		9.5R	12 8.613	-0.0109	21	-27 14 41.38	0.085	21	0.38	8.796	16	33.2	42.80	16	33.2		13B	5918	J -26 6845
56		9.6R	12 10.774	0.0061	20	-22 29 34.82	0.005	20	0.37	10.671	16	33.2	34.90	16	33.2	K0 M	14	7143	E -22 7023
57		8.2R	12 18.653	0.0028	17	-29 35 52.57	-0.045	17	0.32	18.606	16	33.2	51.81	16	33.2	K2 J	13B	5923	J -29 7264
58		9.1R	12 20.249	-0.0017	12	-28 28 6.73	0.017	12	0.26	20.277	16	33.2	7.01	16	33.2	F5 J	13B	5924	J -28 7051
59		8.6R	12 21.817	0.0005	17	-25 45 51.93	0.009	17	0.32	21.809	16	33.2	52.07	16	33.2	K5 J	14	7147	E -25 6999
60		9.7R	12 22.412	0.0020	17	-23 31 15.11	-0.059	17	0.32	22.378	16	33.2	14.12	16	33.2		14	7146	E -23 8173
61		8.6R	12 27.565	0.0021	18	-23 44 34.52	0.006	18	0.34	27.529	16	33.2	34.60	16	33.2	K5 J	14	7148	E -23 8175
62		9.2R	12 31.446	-0.0013	15	-27 47 25.88	-0.002	15	0.30	31.468	16	33.2	25.84	16	33.2	K0 M	13B	5927	J -27 6394
63		9.4R	12 32.920	0.0034	20	-27 15 33.34	0.019	20	0.37	32.863	16	33.2	33.67	16	33.2	K0 M	13B	5928	J -26 6853
64		8.4R	12 35.143	0.0016	12	-28 59 3.68	0.012	12	0.26	35.115	16	33.2	3.89	16	33.2	A0 J	13B	5930	J -28 7056
65		8.3A	12 35.330	-0.0002	17	-22 4 17.70	0.001	13	0.30	35.334	16	33.2	17.71	16	33.2	A0 J	13A	4105	A -21 2735
66		7.7T	12 37.166	-0.0011	14	-29 57 7.85	0.028	13	0.73	37.221	18	99.7	9.31	18	97.8	MB	GC	12762	C -29 7270
67		7.9R	12 43.125	0.0000	18	-22 35 26.04	-0.006	18	0.34	43.124	16	33.2	25.93	16	33.2	K5 J	14	7151	E -22 7035
68		9.2R	12 46.685	0.0027	12	-26 43 39.91	-0.056	12	0.26	46.640	16	33.2	38.98	16	33.2	K0 M	14	7152	E -26 6858
69		9.1R	12 53.010	-0.0045	17	-29 0 36.96	0.033	17	0.32	53.084	16	33.2	37.52	16	33.2	F0 M	13B	5932	J -28 7061
70		9.2R	13 5.186	-0.0030	18	-24 19 11.51	0.024	18	0.34	5.239	16	33.2	11.92	16	33.2	A3 J	14	7155	E -24 7880
71		9.2R	13 7.794	-0.0156	12	-29 53 58.23	0.201	12	0.26	8.056	16	33.2	+ 1.60	16	33.2	K0 M	13B	5934	J -29 7274
72		8.5R	13 11.753	-0.0007	12	-27 46 47.37	-0.004	12	0.26	11.765	16	33.2	47.30	16	33.2	A2 J	13B	5935	J -27 6407
73		9.2R	13 14.422	0.0001	18	-26 1 21.04	0.002	18	0.34	14.422	16	33.2	21.07	16	33.2	K5 M	14	7156	E -25 7013
74		9.5R	13 20.033	0.0016	15	-25 12 27.13	0.008	15	0.30	20.006	16	33.2	27.28	16	33.2	F2 M	14	7157	E -24 7884
75		7.7T	13 22.708	-0.0036	20	-23 17 3.54	0.006	18	0.93	22.879	18	02.0	3.82	19	01.6	A0	GC	12760	-22 2544
76		8.9R	13 24.152	-0.0012	15	-28 13 11.30	-0.010	15	0.30	24.173	16	33.2	11.12	16	33.2	F0 J	13B	5936	J -27 6411
77		9.8R	13 29.442	0.0009	20	-22 32 10.92	0.018	20	0.37	29.427	16	33.2	11.21	16	33.2	G M	14	7159	E -22 7045
78		9.4R	13 36.112	0.0030	18	-26 31 33.87	-0.047	18	0.34	36.062	16	33.2	33.08	16	33.2	K0 M	14	7161	E -26 6875
79		7.7A	13 37.231	-0.0033	17	-21 18 28.09	-0.020	13	0.30	37.286	16	33.2	27.75	16	33.2	K5 J	13A	4112	A -20 2835
80		9.4R	13 38.751	-0.0015	15	-22 44 26.26	-0.025	15	0.30	38.776	16	33.2	25.84	16	33.2	K0 M	14	7160	E -22 7047
81		9.7R	13 42.177	-0.0003	18	-23 16 6.94	-0.032	18	0.34	42.182	16	33.2	8.39	16	33.2	K0 M	14	7162	E -22 7049
82		8.1T	13 43.192	-0.0016	14	-27 59 39.33	0.046	14	0.74	43.275	21	99.7	41.67	21	99.7	K0	GC	12786	C -27 6415
83		9.3R	13 44.414	-0.0030	15	-24 14 45.04	0.043	15	0.30	44.465	16	33.2	45.76	16	33.2	F8 M	14	7163	E -23 8192
84		9.5R	13 44.493	-0.0003	20	-25 3 39.34	0.044	20	0.37	44.499	16	33.2	40.08	16	33.2	G0 M	14	7164	E -24 7891
85		9.2R	13 46.166	-0.0003	17	-29 13 24.60	0.017	17	0.32	46.171	16	33.2	24.89	16	33.2	K5 M	13B	5940	J -28 7080
86		7.7T	13 47.509	0.0008	14	-26 59 11.14	0.004	14	0.74	47.468	18	00.0	11.32	19	99.3	K0	GC	12788	C*-26 6881
87		8.9R	13 50.442	-0.0003	12	-29 5 0.68	0.003	12	0.26	50.447	16	33.2	0.73	16	33.2	K0 M	13B	5942	J -28 7082
88		9.5R	13 51.719	-0.0007	20	-24 52 51.68	-0.058	15	0.33	51.730	16	33.2	50.70	16	33.2	F5 M	14	7168	E -24 7893
89		9.2R	13 52.807	-0.0017	15	-22 18 36.94	0.000	15	0.30	52.836	16	33.2	36.94	16	33.2	K5 M	14	7167	E -22 7050
90		9.7R	13 52.946	0.0040	18	-26 40 39.68	-0.015	18	0.34	52.879	16	33.2	39.43	16	33.2	A0 J	14	7169	E -26 6883
91		7.9A	13 53.640	-0.0092	18	-20 59 17.44	0.003	13	0.31	53.794	16	33.2	17.49	16	33.2	F5 J	13A	4114	A -20 2836
92		9.2A	13 56.445	0.0002	18	-21 3 25.92	0.013	13	0.31	56.441	16	33.2	26.14	16	33.2	G0 J	13A	4115	A -20 2837
93		7.2T	13 58.062	-0.0034	10	-28 40 37.94	0.001	10	0.56	58.262	15	97.6	38.01	18	94.3	A0	GC	12793	C -28 7084
94		9.4R	14 1.832	-0.0048	12	-29 23 38.92	0.046	12	0.26	1.912	16	33.2	39.69	16	33.2	G0 M	13B	5945	J -29 7284
95		8.4R	14 3.849	0.0013	18	-22 55 13.87	-0.011	18	0.34	3.826	16	33.2	13.68	16	33.2	A5 J	14	7170	E -22 7055
96		8.9R	14 5.476	0.0028	17	-28 59 35.40	0.013	17	0.32	5.429	16	33.2	35.63	16	33.2	K0 M	13B	5946	J -28 7086
97		8.5R	14 14.509	-0.0018	17	-28 35 47.42	0.073	17	0.32	14.539	16	33.2	48.65	16	33.2	A5 J	13B	5947	J -28 7088
98		8.9R	14 15.826	-0.0066	18	-25 5 35.09	-0.010	18	0.34	15.937	16	33.2	34.93	16	33.2	G5 J	14	7172	E -24 7895
99		8.5R	14 23.384	-0.0060	17	-29 55 14.33	-0.037	17	0.32	23.485	16	33.2	13.71	16	33.2	K0 J	13B	5950	J -29 7291
00		9.3R	14 23.701	-0.0008	17	-28 47 1.48	0.001	17	0.32	23.715	16	33.2	1.51	16	33.2	F5 M	13B	5949	J -28 7091

177200			EPOCH 1950									ORIGINAL EPOCH						SP.	SOURCE		-20° 9H
NUMBER	MAGNITUDES		α_{1950}	μ	σ_μ	δ_{1950}	μ'	$\sigma_{\mu'}$	σ_{1950}	α_2	σ	ep.	δ_2	σ'	ep.		CAT.	STAR NUMBER	DM NUMBER
	m_{pg}	m_v	h m s	s	″.001	° ′ ″	″	″.001	″	s	″.01		″	″.01					
1		9.4R	9 14 27.531	0.0013	20	-23 59 46.76	-0.008	20	0.37	27.509	16	33.2	46.63	16	33.2	K0 M	14	7173	E -23 8201
2		9.3R	14 32.545	-0.0008	15	-25 44 6.08	0.003	15	0.30	32.558	16	33.2	6.12	16	33.2	F5 M	14	7175	E -25 7030
3		8.1A	14 34.321	-0.0013	18	-21 44 40.82	-0.012	13	0.31	34.343	16	33.2	40.62	16	33.2	A0 J	13A	4121	A -21 2745
4		8.7R	14 35.369	-0.0055	17	-29 44 28.87	-0.016	17	0.32	35.462	16	33.2	28.60	16	33.2	K2 J	13B	5953	J -29 7296
5		9.4R	14 35.408	-0.0006	17	-29 11 56.88	0.014	17	0.32	35.418	16	33.2	57.12	16	33.2	K0 M	13B	5952	J -28 7095
6		9.0A	14 36.060	0.0000	18	-21 22 41.58	-0.023	13	0.31	36.060	16	33.2	41.19	16	33.2	F5 J	13A	4122	A -20 2842
7		9.6R	14 36.765	0.0003	00	-24 56 27.52	0.001	18	0.26	36.760	16	33.2	27.54	16	33.2	A0 M	14	7176	E*-24 7905
8		9.9R	14 39.783	-0.0025	20	-22 21 37.84	0.005	20	0.37	39.826	16	33.2	37.92	16	33.2	G M	14	7177	E -22 7063
9		8.1R	14 40.059	-0.0015	15	-28 13 46.60	-0.007	15	0.30	40.085	16	33.2	46.47	16	33.2	A5 J	13B	5954	J -27 6422
10		9.0R	14 48.536	-0.0042	18	-22 43 11.06	-0.036	18	0.34	48.607	16	33.2	10.45	16	33.2	F8 J	14	7178	E -22 7066
11		9.1A	14 51.305	-0.0010	20	-22 16 26.80	-0.026	15	0.33	51.321	16	33.2	26.36	16	33.2	F5 J	13A	4125	A -21 2749
12		8.7A	14 53.030	-0.0001	18	-20 13 6.67	-0.009	13	0.32	53.032	18	33.1	6.51	16	33.1	M0 J	12B	4124	A -19 2669
13		9.1A	14 54.102	-0.0024	18	-20 7 49.02	-0.012	13	0.32	54.142	18	33.1	48.81	16	33.1	F8 J	12B	4126	A -19 2666
14		9.0A	15 2.295	-0.0025	17	-21 1 11.78	0.015	13	0.30	2.304	16	33.2	12.03	16	33.2	A5 J	13A	4127	A -20 2844
15		9.3R	15 4.778	0.0005	15	-26 35 20.27	-0.039	15	0.30	4.769	16	33.2	19.63	16	33.2	F8 M	14	7180	E -26 6904
16		7.4A	15 6.025	0.0111	18	-21 7 30.94	0.012	12	0.30	5.838	16	33.2	31.14	16	33.2	K5 J	13A	4128	A -20 2845
17		9.0R	15 8.255	0.0009	18	-24 18 12.63	0.012	18	0.34	8.240	16	33.2	12.84	16	33.2	K0 M	14	7181	E -23 8215
18		9.2R	15 10.219	-0.0028	12	-26 50 5.49	0.031	12	0.26	10.265	16	33.2	6.00	16	33.2	K0 M	14	7183	E -26 6905
19		9.3R	15 14.350	-0.0024	15	-27 21 9.84	0.026	15	0.30	14.390	16	33.2	10.27	16	33.2	G5 J	13B	5958	J -27 6434
20		9.3R	15 18.605	-0.0022	20	-27 50 28.99	-0.037	20	0.37	18.642	16	33.2	28.36	16	33.2	A2 J	13B	5959	J -27 6437
21		9.2R	15 18.675	0.0016	20	-26 53 22.21	0.036	20	0.37	18.647	16	33.2	22.81	16	33.2	K0 M	14	7184	E -26 6908
22		9.2R	15 21.506	-0.0075	17	-29 54 58.30	0.031	17	0.32	21.631	16	33.2	58.82	16	33.2	G0 M	13B	5960	J -29 7310
23		9.3R	15 23.453	-0.0011	12	-22 46 14.03	-0.025	12	0.26	23.471	16	33.2	14.44	16	33.2	K2 J	14	7185	E -22 7078
24		9.0R	15 28.901	-0.0023	15	-25 9 15.52	-0.013	15	0.30	28.939	16	33.2	15.31	16	33.2	K0 J	14	7187	E -24 7918
25		8.9A	15 29.068	0.0027	18	-21 33 7.56	-0.040	13	0.31	29.023	16	33.2	6.89	16	33.2	F2 J	13A	4131	A -21 2751
26		8.5R	15 30.278	0.0002	15	-22 43 28.35	0.013	15	0.30	30.275	16	33.2	28.56	16	33.2	A0 J	14	7186	E -22 7080
27		8.2R	15 31.199	0.0001	12	-29 12 19.76	-0.003	12	0.26	31.197	16	33.2	19.72	16	33.2	A2 J	13B	5963	J -28 7108
28		9.1R	15 34.729	-0.0037	20	-27 18 58.15	0.051	20	0.37	34.791	16	33.2	59.00	16	33.2	K0 M	13B	5964	J -27 6442
29		8.4R	15 35.645	-0.0000	17	-27 39 15.98	-0.015	17	0.32	35.646	16	33.2	15.72	16	33.2	K0 J	13B	5965	J -27 6443
30		8.4R	15 36.304	0.0017	17	-28 55 30.57	-0.009	17	0.32	36.275	16	33.2	30.42	16	33.2	M0 M	13B	5967	J -28 7111
31		9.3R	15 37.896	-0.0033	18	-25 13 3.40	0.021	18	0.34	37.951	16	33.2	3.76	16	33.2	K0 M	14	7190	E -24 7920
32		9.3R	15 40.112	-0.0033	20	-23 59 11.92	-0.006	20	0.37	40.166	16	33.2	11.82	16	33.2	F8 M	14	7191	E -23 8228
33		9.2R	15 45.050	0.0010	20	-27 34 29.69	0.007	20	0.37	45.033	16	33.2	29.82	16	33.2	F5 M	13B	5969	J -27 6447
34		9.3R	15 47.903	-0.0023	12	-28 20 30.09	0.010	12	0.26	47.942	16	33.2	30.25	16	33.2	F0 M	13B	5972	J -28 7113
35		8.7R	15 50.232	-0.0004	13	-22 46 17.87	0.012	13	0.27	50.238	16	33.2	18.06	16	33.2	A0 J	14	7192	E -22 7084
36		8.8A	15 51.482	-0.0039	18	-21 46 3.95	0.007	13	0.31	51.547	16	33.2	4.06	16	33.2	K7 J	13A	4136	A -21 2753
37		9.5R	15 53.507	-0.0050	20	-28 10 7.10	0.007	17	0.34	53.591	16	33.2	7.21	16	33.2	K M	13B	5973	J -27 6449
38		7.2R	15 53.676	-0.0081	18	-22 27 52.80	0.000	18	0.34	53.812	16	33.2	52.81	16	33.2	F2 J	14	7193	E -22 7085
39		8.3R	15 57.127	0.0022	18	-27 4 20.82	-0.075	18	0.34	57.089	16	33.2	19.56	16	33.2	F5 J	14	7194	E -26 6916
40		9.6R	15 57.398	-0.0007	20	-29 40 31.25	-0.021	20	0.37	57.410	16	33.2	30.90	16	33.2	A5 M	13B	5975	J -29 7321
41		9.3R	16 0.164	-0.0041	12	-26 34 55.72	0.062	12	0.26	0.233	16	33.2	56.75	16	33.2	F8 M	14	7195	E -26 6918
42		8.7A	16 2.305	-0.0037	18	-20 9 17.34	-0.017	13	0.31	2.368	18	33.1	17.04	16	33.1	F0 J	12B	4139	A -19 2673
43		9.2R	16 4.262	0.0002	18	-23 48 23.05	0.022	18	0.34	4.258	16	33.2	23.42	16	33.2	A5 M	14	7196	E -23 8236
44		8.3A	16 7.200	-0.0040	20	-20 9 34.23	-0.051	12	0.32	7.134	18	33.1	33.36	16	33.1	A3 J	12B	4140	A -19 2674
45		8.5R	16 7.229	-0.0040	18	-25 34 8.29	-0.019	18	0.34	7.297	16	33.2	7.96	16	33.2	K0 J	14	7197	E -25 7058
46		9.3R	16 11.945	-0.0004	15	-26 45 37.83	-0.007	15	0.30	11.951	16	33.2	37.71	16	33.2	F5 J	14	7199	E -26 6923
47		8.8A	16 14.079	-0.0008	18	-21 23 41.89	-0.003	13	0.31	14.092	16	33.2	41.84	16	33.2	A0 J	13A	4141	A -20 2853
48		9.3R	16 15.114	0.0008	18	-23 18 57.70	0.005	18	0.34	15.101	16	33.2	57.78	16	33.2	K0 M	14	7198	E -22 7089
49		8.5R	16 20.621	-0.0025	20	-29 11 55.50	-0.032	20	0.37	20.663	16	33.2	54.97	16	33.2	F8 J	13B	5981	J -28 7124
50		9.4R	16 21.829	-0.0000	20	-22 55 2.34	0.041	20	0.37	21.829	16	33.2	3.02	16	33.2	K5 M	14	7200	E -22 7094
51		8.5R	9 16 26.214	0.0009	20	-29 19 22.87	0.028	20	0.37	26.199	16	33.2	23.34	16	33.2	K5 J	13B	5986	J -29 7333
52		9.0R	16 26.755	0.0012	20	-28 42 58.46	0.004	20	0.37	26.734	16	33.2	58.54	16	33.2	F8 J	13B	5985	J -28 7128
53		8.3R	16 29.015	-0.0028	17	-29 8 20.69	0.001	17	0.32	29.062	16	33.2	20.71	16	33.2	F8 J	13B	5987	J -28 7129
54		9.5R	16 29.468	0.0006	20	-23 39 20.20	0.011	20	0.37	29.458	16	33.2	20.39	16	33.2	G0 M	14	7202	E -23 8242
55		9.2R	16 31.956	0.0028	20	-29 2 55.31	-0.076	20	0.37	31.910	16	33.2	54.04	16	33.2	G0 M	13B	5988	J -28 7130
56		8.3T	16 34.674	-0.0025	12	-24 14 45.52	0.003	11	0.63	34.803	18	98.3	45.69	19	97.4	F8	GC	12846	C*-23 8245
57		9.0R	16 35.734	-0.0017	12	-28 29 0.80	0.032	12	0.26	35.762	16	33.2	1.33	16	33.2	F0 J	13B	5989	J -28 7131
58		9.2R	16 37.561	-0.0013	12	-28 57 38.39	0.003	12	0.26	37.583	16	33.2	38.44	16	33.2	K5 M	13B	5991	J -28 7133
59		8.7A	16 38.505	-0.0023	15	-20 34 35.87	0.019	11	0.27	38.544	16	33.2	36.19	16	33.2	G5 J	13A	4143	A -20 2856
60		9.0R	16 40.549	0.0010	15	-23 48 58.27	0.012	15	0.30	40.532	16	33.2	58.47	16	33.2	K2 M	14	7204	E -23 8248
61		9.1R	16 42.602	0.0023	17	-28 58 28.41	0.007	12	0.29	42.564	16	33.2	28.54	16	33.2	A3 J	13B	5993	J -28 7134
62		9.4R	16 45.987	-0.0010	15	-26 35 22.30	0.027	15	0.30	46.003	16	33.2	32.75	16	33.2	K0 M	14	7207	E -26 6934
63		9.0R	16 46.004	-0.0020	18	-23 31 25.22	-0.024	18	0.34	46.038	16	33.2	24.82	16	33.2	A2 J	14	7205	E -23 8250
64		9.4R	16 47.494	-0.0005	20	-22 44 58.97	0.024	20	0.37	47.503	16	33.2	59.37	16	33.2	G M	14	7206	E -22 7102
65		9.4R	16 48.539	-0.0037	18	-24 43 27.34	-0.010	18	0.34	48.600	16	33.2	27.18	16	33.2	G5 M	14	7209	E -24 7942
66		9.2A	16 49.915	0.0014	18	-20 13 27.44	0.032	13	0.32	49.892	18	33.1	27.97	16	33.1	F8 J	12B	4144	A -19 2676
67		9.3R	16 52.053	-0.0035	12	-26 53 51.01	0.044	12	0.26	52.112	16	33.2	51.74	16	33.2	F8 M	14	7212	E -26 6935
68		7.2R	16 52.105	-0.0024	18	-22 20 30.56	0.003	18	0.34	52.145	16	33.2	30.61	16	33.2	A0 J	14	7210	E -22 7106
69		9.2R	16 52.555	-0.0022	15	-26 4 27.97	0.071	15	0.30	52.592	16	33.2	29.15	16	33.2	F0 J	14	7211	E -25 7070
70		8.4R	16 53.326	-0.0036	20	-26 3 17.68	0.023	20	0.37	53.387	16	33.2	18.06	16	33.2	G5 J	14	7213	E -25 7073
71		9.2A	16 55.828	0.0014	15	-20 3 37.57	-0.009	11	0.28	55.805	18	33.1	37.41	16	33.1	K2 J	12B	4146	A -19 2677
72		8.4R	17 0.304	-0.0011	15	-27 55 42.23	0.010	15	0.30	0.322	16	33.2	42.39	16	33.2	A2 J	13B	5994	J -27 6466
73		9.2R	17 3.121	-0.0015	15	-27 13 55.67	-0.059	15	0.30	3.146	16	33.2	54.67	16	33.2	F5 M	13B	5995	J -26 6938
74		8.8R	17 5.188	0.0009	18	-23 11 32.14	-0.029	18	0.34	5.173	16	33.2	31.65	16	33.2	A0 J	14	7214	E -22 7112
75		9.2R	17 10.401	0.0022	18	-24 2 39.36	-0.001	18	0.34	10.364	16	33.2	39.34	16	33.2	F5 M	14	7215	E -23 8256
76		8.6R	17 16.179	-0.0026	12	-29 34 5.78	-0.012	12	0.26	16.223	16	33.2	5.58	16	33.2	K5 J	13B	5998	J -29 7347
77		8.6R	17 17.468	-0.0013	17	-29 30 29.29	0.004	17	0.32	17.490	16	33.2	29.36	16	33.2	K5 J	13B	5999	J -29 7348
78		8.7R	17 25.143	-0.0054	15	-28 3 10.07	-0.007	15	0.30	25.233	16	33.2	9.95	16	33.2	K2 J	13B	6001	J -27 6473
79		9.0R	17 28.385	0.0024	12	-29 40 9.70	-0.005	12	0.26	28.345	16	33.2	9.62	16	33.2	F5 J	13B	6002	J -29 7354
80		8.5R	17 28.818	-0.0011	12	-27 11 54.50	-0.003	12	0.26	28.836	16	33.2	54.44	16	33.2	F2 J	14	7217	E -26 6946
81		9.1R	17 30.660	-0.0023	15	-28 1 7.08	-0.028	15	0.30	30.698	16	33.2	6.60	16	33.2	K0 M	13B	6003	J -27 6474
82		9.5R	17 32.212	-0.0051	18	-25 16 59.44	-0.029	18	0.34	32.297	16	33.2	58.96	16	33.2	K0 M	14	7218	E -24 7952
83		8.6R	17 39.043	-0.0016	20	-25 26 29.43	0.008	20	0.37	39.070	16	33.2	29.58	16	33.2	K0 J	14	7220	E -25 7087
84		9.1A	17 39.959	-0.0008	15	-21 29 28.01	0.011	11	0.27	39.971	16	33.2	28.19	16	33.2	K0 J	13A	4148	A -21 2758
85		9.6R	17 41.243	-0.0023	15	-24 32 42.75	-0.002	15	0.30	41.282	16	33.2	42.70	16	33.2	F5 M	14	7221	E -24 7954
86		8.3R	17 43.529	0.0010	18	-22 44 56.88	-0.062	18	0.34	43.511	16	33.2	55.83	16	33.2	F8 J	14	7222	E -22 7121
87		9.6R	17 46.780	-0.0009	18	-22 20 39.14	-0.061	18	0.34	46.796	16	33.2	38.12	16	33.2	G5 J	14	7223	E -22 7122
88		8.1R	17 47.264	-0.0009	20	-27 33 51.10	0.010	20	0.37	47.280	16	33.2	51.26	16	33.2	A0 J	13B	6006	J -27 6476
89		8.1R	17 49.287	-0.0018	17	-27 22 50.48	0.033	17	0.32	49.318	16	33.2	51.03	16	33.2	M0 M	13B	6008	J -27 6477
90		7.9R	17 50.646	-0.0031	18	-25 2 10.81	0.023	18	0.34	50.697	16	33.2	11.20	16	33.2	K0 J	14	7224	E -24 7958
91		8.6R	17 51.184	-0.0001	20	-25 21 36.40	0.020	20	0.37	51.186	16	33.2	36.74	16	33.2	A3 J	14	7225	E -25 7090
92		8.7R	17 52.642	-0.0010	20	-26 30 32.36	0.015	20	0.37	52.658	16	33.2	32.60	16	33.2	K0 J	14	7226	E -26 6949
93		9.2R	17 54.953	-0.0016	20	-25 37 9.77	0.064	20	0.37	54.981	16	33.2	10.84	16	33.2	F5 M	14	7227	E -25 7091
94		8.1R	17 55.062	-0.0031	15	-26 38 24.14	0.017	15	0.30	55.115	16	33.2	24.43	16	33.2	A0 J	14	7228	E -26 6951
95		9.3R	17 59.070	0.0007	20	-23 29 39.84	-0.000	20	0.37	59.058	16	33.2	39.83	16	33.2	G0 M	14	7229	E -23 8269
96		8.5A	18 0.418	0.0024	17	-21 8 51.74	-0.011	12	0.29	0.378	16	33.2	51.56	16	33.2	G0 J	13A	4153	A -20 2861
97		8.6R	18 0.862	-0.0018	20	-25 24 54.99	0.028	20	0.37	0.892	16	33.2	55.47	16	33.2	A0 J	14	7232	E -25 7094
98		9.3R	18 1.377	0.0013	18	-23 44 8.59	-0.014	18	0.34	1.356	16	33.2	8.36	16	33.2	A3 J	14	7231	E -23 8274
99		8.6R	18 2.723	0.0017	17	-29 2 48.70	-0.015	17	0.32	2.694	16	33.2	48.46	16	33.2	G5 M	13B	6011	J -28 7152
00		8.8R	18 7.753	0.0003	18	-23 12 23.66	-0.002	18	0.34	7.747	16	33.2	23.62	16	33.2	G5 J	14	7233	E -22 7126

177300			EPOCH 1950								ORIGINAL EPOCH						SP.	SOURCE		-20° 9H
NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	σ'_μ ″.001	σ_{1950} ″	α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.		CAT.	STAR NUMBER	DM NUMBER
1		9.9R	9 18 10.680	-0.0034	20	-22 39 0.72	-0.007	20	0.37	10.737	16	33.2	0.60	16	33.2	F M	14	7234	E -22 7128
2		9.4R	18 16.162	-0.0021	15	-24 42 19.72	0.008	15	0.30	16.196	16	33.2	19.86	16	33.2	K0 M	14	7235	E -24 7964
3		9.1A	18 16.259	-0.0039	18	-20 4 9.56	-0.011	13	0.32	16.326	18	33.1	9.36	16	33.1	A0 J	12B	4156	A -19 2685
4		7.3T	18 16.534	0.0020	12	-28 54 50.82	-0.051	13	0.69	16.433	18	98.4	48.17	18	97.6	K5	GC	12890	C -28 7158
5		8.0R	18 24.713	-0.0022	17	-29 41 48.07	0.003	17	0.32	24.749	16	33.2	48.12	16	33.2	K5 J	13B	6014	J -29 7366
6		9.2R	18 24.916	-0.0025	21	-23 41 52.59	-0.009	17	0.35	24.958	16	33.2	52.44	16	33.2	G0 M	14	7236	E -23 8280
7		9.0R	18 30.414	-0.0014	17	-27 31 30.20	-0.015	17	0.32	30.437	16	33.2	29.96	16	33.2	F8 M	13B	6016	J -27 6485
8		8.0T	18 32.463	0.0005	13	-29 0 24.77	-0.011	12	0.66	32.439	17	99.6	24.22	15	98.0	A2	GC	12895K	C*-28 7160
9		9.3R	18 33.373	-0.0045	15	-24 24 53.48	-0.017	15	0.30	33.449	16	33.2	53.20	16	33.2	F5 M	14	7238	E -24 7968
10		9.5R	18 33.450	-0.0011	18	-22 28 0.27	0.004	18	0.34	33.468	16	33.2	0.34	16	33.2		14	7237	E -22 7137
11		8.0R	18 35.897	-0.0025	18	-23 53 5.46	-0.002	18	0.34	35.939	16	33.2	5.43	16	33.2	K0 J	14	7239	E -23 8283
12		7.5T	18 37.183	-0.0052	13	-28 35 25.51	0.028	12	0.69	37.443	18	00.3	27.00	19	97.4	K2	GC	12901	C -28 7161
13		8.2A	18 37.733	-0.0025	17	-20 46 4.26	-0.026	13	0.30	37.774	16	33.2	3.82	16	33.2	F2 J	13A	4157	A -20 2868
14		9.0R	18 40.144	-0.0006	20	-27 42 25.68	0.007	20	0.37	40.155	16	33.2	25.79	16	33.2	F0 J	13B	6020	J -27 6488
15		9.1R	18 43.624	-0.0094	20	-28 35 15.18	0.015	20	0.37	43.783	16	33.2	15.44	16	33.2	G0 M	13B	6024	J -28 7162
16		9.3R	18 59.957	0.0044	20	-28 7 14.89	-0.054	20	0.37	59.884	16	33.2	13.98	16	33.2	G0 M	13B	6025	J -27 6495
17		9.5R	19 2.334	-0.0028	18	-25 2 23.52	-0.005	18	0.34	2.380	16	33.2	23.44	16	33.2	F5 M	14	7241	E -24 7974
18		9.0R	19 4.548	-0.0031	20	-27 56 27.41	0.019	20	0.37	4.600	16	33.2	27.74	16	33.2	K0 M	13B	6026	J -27 6496
19		7.4R	19 10.757	-0.0017	15	-24 35 57.40	0.005	15	0.30	10.785	16	33.2	57.47	16	33.2	A5 J	14	7243	E -24 7976
20		8.6R	19 11.795	0.0015	20	-23 34 22.56	0.027	20	0.37	11.770	16	33.2	23.01	16	33.2	G5 J	14	7242	E -23 8288
21		8.7R	19 13.701	0.0020	17	-29 27 40.72	0.007	17	0.32	13.666	16	33.2	40.84	16	33.2	K0 M	13B	6028	J -29 7377
22		4.9H	19 16.677	-0.0009	02	-25 45 6.29	-0.011	02	0.07	16.711	03	12.5	5.90	03	14.1	M5	F4	1243	C -25 7114
23		9.3R	19 19.259	-0.0013	18	-23 17 8.06	-0.006	18	0.34	19.280	16	33.2	7.95	16	33.2	K0 M	14	7245	E -22 7147
24		8.2R	19 19.597	-0.0011	20	-27 35 37.79	0.013	20	0.37	19.616	16	33.2	38.00	16	33.2	K2 J	13B	6029	J -27 6502
25		9.1A	19 20.602	-0.0027	18	-21 13 15.50	0.002	13	0.31	20.647	16	33.2	15.53	16	33.2	K7 J	13A	4160	A -20 2872
26		9.1R	19 26.844	0.0000	17	-29 43 14.31	0.018	17	0.32	26.844	16	33.2	14.61	16	33.2	A7 M	13B	6031	J -29 7383
27		8.8R	19 28.382	0.0002	18	-23 44 11.15	-0.021	18	0.34	28.379	16	33.2	10.80	16	33.2	M0 M	14	7247	E -23 8291
28		9.0R	19 31.198	-0.0027	20	-22 31 42.56	-0.027	20	0.37	31.243	16	33.2	42.10	16	33.2	G M	14	7248	E -22 7149
29		8.5R	19 32.080	-0.0021	17	-25 58 4.52	0.034	17	0.32	32.116	16	33.2	5.09	16	33.2	B8 J	14	7250	E -25 7120
30		9.6R	19 32.238	0.0020	20	-23 29 14.55	0.034	20	0.37	32.204	16	33.2	15.12	16	33.2	A2 M	14	7249	E -23 8293
31		8.9R	19 33.910	0.0013	20	-29 2 39.86	0.010	20	0.37	33.889	16	33.2	40.03	16	33.2	K0 M	13B	6032	J -28 7176
32		9.5R	19 35.809	0.0002	21	-23 55 22.68	0.043	21	0.38	35.805	16	33.2	23.40	16	33.2	G0 M	14	7251	E -23 8294
33		9.4R	19 36.307	-0.0066	15	-28 10 43.10	0.004	15	0.30	36.418	16	33.2	43.16	16	33.2	G0 M	13B	6033	J -27 6506
34		9.3R	19 37.922	-0.0000	18	-23 44 47.05	0.006	18	0.34	37.923	16	33.2	47.15	16	33.2	K5 M	14	7252	E -23 8297
35		8.6R	19 38.121	-0.0011	18	-23 55 5.29	-0.003	18	0.34	38.140	16	33.2	5.24	16	33.2	A0 J	14	7253	E -23 8296
36		8.1R	19 38.494	-0.0026	20	-28 30 58.69	0.013	20	0.37	38.537	16	33.2	58.91	16	33.2	K0 J	13B	6034	J -28 7178
37		8.4A	19 39.106	-0.0027	18	-20 30 0.08	-0.011	13	0.31	39.151	16	33.2	59.89	16	33.2	K7 J	13A	4161	A -20 2873
38		9.6R	19 44.346	-0.0004	18	-24 37 50.25	-0.011	18	0.34	44.352	16	33.2	50.07	16	33.2	K0 M	14	7255	E -24 7990
39		8.9R	19 49.849	-0.0031	18	-25 7 49.32	0.021	18	0.34	49.902	16	33.2	49.67	16	33.2	A3 J	14	7257	E -24 7992
40		9.6R	19 51.371	-0.0000	15	-23 14 21.78	0.024	15	0.30	51.371	16	33.2	22.17	16	33.2	G M	14	7256	E -22 7156
41		8.9R	19 53.407	-0.0053	21	-23 50 28.78	-0.015	21	0.38	53.496	16	33.2	28.53	16	33.2	K0 M	14	7258	E -23 8303
42		8.8A	19 54.031	0.0011	20	-21 19 22.94	0.001	15	0.33	54.012	16	33.2	22.95	16	33.2	K0 J	13A	4163	A -20 2877
43		9.4R	19 57.826	-0.0013	20	-27 2 34.42	0.017	20	0.37	57.847	16	33.2	34.71	16	33.2	F8 M	14	7259	E -26 6982
44		9.0A	19 58.381	-0.0007	18	-21 24 31.31	-0.013	13	0.31	58.393	16	33.2	31.09	16	33.2	F2 J	13A	4164	A -21 2770
45		8.5R	20 3.487	-0.0009	18	-22 22 26.53	-0.003	18	0.34	3.503	16	33.2	26.48	16	33.2	G5 J	14	7260	E -22 7161
46		8.9R	20 5.402	-0.0008	18	-23 6 34.59	-0.011	18	0.34	5.415	16	33.2	34.40	16	33.2	F5 J	14	7261	E -22 7162
47		8.2A	20 14.961	-0.0022	20	-22 18 17.19	-0.010	15	0.33	14.999	16	33.2	17.02	16	33.2	K2 J	13A	4169	A -21 2774
48		8.4A	20 15.692	-0.0048	17	-20 57 35.72	0.009	13	0.30	15.771	16	33.2	35.87	16	33.2	A3 J	13A	4168	A -20 2879
49		9.3R	20 16.015	-0.0023	20	-27 40 28.43	0.012	20	0.37	16.053	16	33.2	28.62	16	33.2	G5 M	13B	6036	J -27 6516
50		8.7R	20 16.022	-0.0005	20	-22 47 26.45	-0.043	20	0.37	16.030	16	33.2	25.72	16	33.2	F8 J	14	7262	E -22 7167
51		9.5R	9 20 18.398	-0.0018	18	-22 33 9.51	0.010	18	0.34	18.429	16	33.2	9.67	16	33.2	G0 J	14	7263	E -22 7168
52		9.1R	20 29.881	-0.0008	12	-25 38 41.25	0.021	12	0.26	29.894	16	33.2	41.60	16	33.2	K2 M	14	7265	E -25 7136
53		9.5R	20 33.319	-0.0009	12	-29 18 29.84	-0.003	12	0.26	33.333	16	33.2	29.79	16	33.2	F0 M	13B	6039	J -28 7187
54		9.5R	20 34.062	-0.0021	18	-24 57 52.62	-0.005	18	0.34	34.096	16	33.2	52.54	16	33.2	A0 M	14	7266	E -24 8004
55		9.6R	20 38.181	-0.0088	20	-22 20 17.96	-0.018	20	0.37	38.329	16	33.2	17.66	16	33.2		14	7267	E -22 7172
56		9.6R	20 38.246	0.0037	20	-23 42 9.15	-0.015	20	0.37	38.184	16	33.2	8.90	16	33.2	F5 M	14	7268	E -23 8317
57		9.0R	20 38.605	-0.0017	17	-29 39 19.20	0.016	17	0.32	38.633	16	33.2	19.47	16	33.2	A0 J	13B	6041	J -29 7392
58		9.6R	20 41.642	0.0013	18	-24 21 40.50	0.012	18	0.34	41.620	16	33.2	40.71	16	33.2	K0 M	14	7269	E -24 8008
59		8.1A	20 42.537	-0.0010	17	-20 47 10.02	-0.025	13	0.30	42.554	16	33.2	9.60	16	33.2	G5 J	13A	4172	A -20 2882
60		9.2R	20 44.353	0.0012	18	-26 57 28.65	-0.029	18	0.34	44.333	16	33.2	28.16	16	33.2	M M	14	7271	E -26 6992
61		9.9R	20 46.378	-0.0001	18	-24 46 46.00	0.003	18	0.34	46.380	16	33.2	46.05	16	33.2	G M	14	7272	E -24 8010
62		8.8R	20 46.448	-0.0021	18	-22 39 46.20	0.011	18	0.34	46.484	16	33.2	46.38	16	33.2	K2 J	14	7270	E -22 7175
63		8.3A	20 47.105	0.0010	20	-21 43 25.06	-0.007	15	0.33	47.088	16	33.2	24.94	16	33.2	M1 J	13A	4173	A -21 2780
64		8.3R	20 47.932	-0.0068	15	-26 57 31.61	0.095	15	0.30	48.046	16	33.2	33.20	16	33.2	G5 J	14	7273	E -26 6993
65		8.5R	20 49.081	0.0005	17	-28 30 22.68	0.003	17	0.32	49.072	16	33.2	22.74	16	33.2	F2 J	13B	6045	J -28 7192
66		8.5R	20 49.458	-0.0013	17	-28 46 39.26	-0.022	12	0.29	49.480	16	33.2	38.89	16	33.2	K2 J	13B	6046	J -28 7193
67		9.0R	20 51.150	0.0001	18	-27 4 10.16	0.010	18	0.34	51.148	16	33.2	10.32	16	33.2	K0 M	14	7274	E -26 6995
68		8.3R	20 54.863	-0.0014	17	-29 3 59.26	0.021	17	0.32	54.886	16	33.2	59.64	16	33.2	K0 J	13B	6048	J -28 7194
69		9.3R	20 56.411	-0.0035	18	-24 0 56.87	-0.001	18	0.34	56.469	16	33.2	56.85	16	33.2	A0 M	14	7275	E -23 8323
70		8.7R	20 56.552	-0.0017	20	-27 44 19.02	-0.001	20	0.37	56.580	16	33.2	19.00	16	33.2	A0 J	13B	6049	J -27 6526
71		7.1T	20 57.243	-0.0013	13	-20 49 23.17	0.004	10	0.62	57.309	21	00.1	23.38	19	97.6	M0	GC	12950	-20 2886
72		8.6R	20 58.309	-0.0013	12	-22 47 7.82	0.006	12	0.26	58.330	16	33.2	7.92	16	33.2	K0 J	14	7276	E -22 7179
73		8.4R	21 0.512	-0.0025	15	-28 24 3.81	-0.033	13	0.27	0.551	16	33.2	3.25	16	33.2	F2 J	13B	6050	J -28 7195
74		4.9T	21 2.222	-0.0106	04	-28 37 9.04	0.016	04	0.19	2.690	07	06.0	9.79	07	04.2	K0	GC	12952	C*-28 7196
75		9.3R	21 2.577	0.0058	20	-27 40 26.10	0.004	20	0.37	2.480	16	33.2	26.16	16	33.2	A3 M	13B	6051	J -27 6530
76		8.6A	21 5.464	0.0019	18	-22 0 56.71	-0.012	13	0.31	5.432	16	33.2	56.51	16	33.2	K0 J	13A	4178	A -21 2781
77		9.0R	21 8.650	-0.0033	20	-22 52 7.45	0.027	20	0.37	8.705	16	33.2	7.90	16	33.2	K0 J	14	7277	E -22 7184
78		8.2R	21 9.269	0.0007	20	-28 53 36.38	0.028	20	0.37	9.258	16	33.2	36.85	16	33.2	K5 J	13B	6057	J -28 7199
79		8.3R	21 9.691	0.0003	18	-25 57 2.43	0.015	18	0.34	9.686	16	33.2	2.68	16	33.2	K2 J	14	7278	E -25 7143
80		9.0R	21 10.212	0.0015	15	-27 7 14.04	-0.006	15	0.30	10.187	16	33.2	13.93	16	33.2	A0 J	14	7279	E -26 6998
81		9.0R	21 11.126	-0.0039	20	-28 24 48.86	-0.019	20	0.37	11.191	16	33.2	48.54	16	33.2	F5 J	13B	6058	J -28 7200
82		8.1A	21 16.617	-0.0004	18	-21 36 23.88	-0.007	13	0.31	16.623	16	33.2	23.76	16	33.2	A0 J	13A	4180	A -21 2782
83		8.7R	21 17.937	-0.0024	20	-27 24 28.82	-0.011	20	0.37	17.978	16	33.2	28.63	16	33.2	K0 M	13B	6059	J -27 6531
84		8.7R	21 20.222	0.0019	20	-28 51 44.04	0.025	20	0.37	20.190	16	33.2	44.47	16	33.2	K0 J	13B	6063	J -28 7203
85		9.5R	21 21.004	0.0001	20	-27 44 20.71	-0.052	20	0.37	21.002	16	33.2	19.83	16	33.2	G5 M	13B	6062	J -27 6533
86		8.8R	21 26.754	-0.0002	12	-29 57 15.15	0.001	12	0.26	26.757	16	33.2	15.16	16	33.2	K0 J	13B	6066	J -29 7411
87		9.0R	21 27.902	-0.0002	12	-28 6 39.56	0.028	12	0.26	27.905	16	33.2	40.02	16	33.2	A0 J	13B	6065	J -27 6535
88		9.2A	21 28.052	-0.0023	17	-21 26 42.82	0.023	13	0.30	28.090	16	33.2	43.20	16	33.2	F5 J	13A	4181	A -21 2783
89		9.0A	21 29.111	-0.0026	18	-20 33 4.61	-0.039	13	0.31	29.155	16	33.2	3.96	16	33.2	A0 J	13A	4182	A -20 2888
90		9.2R	21 30.224	0.0000	18	-23 57 50.18	0.021	18	0.34	30.223	16	33.2	50.53	16	33.2	G0 M	14	7281	E -23 8330
91		9.5R	21 32.659	-0.0017	20	-27 27 35.70	0.023	20	0.37	32.687	16	33.2	36.08	16	33.2	A0 M	13B	6067	J -27 6538
92		8.6R	21 35.055	-0.0036	12	-27 39 34.26	-0.008	12	0.26	35.116	16	33.2	34.12	16	33.2	K0 M	13B	6068	J -27 6540
93		9.2R	21 35.216	-0.0030	18	-24 36 38.76	0.061	18	0.34	35.266	16	33.2	39.79	16	33.2	G5 M	14	7283	E -24 8026
94		8.5R	21 41.135	-0.0009	15	-24 24 44.94	-0.008	15	0.30	41.150	16	33.2	44.81	16	33.2	K0 J	14	7284	E -24 8028
95		9.1R	21 50.973	0.0017	15	-26 30 45.43	-0.006	15	0.30	50.944	16	33.2	45.33	16	33.2	K5 M	14	7285	E -26 7008
96		10.0R	21 56.994	-0.0034	20	-24 56 41.70	0.002	20	0.37	57.050	16	33.2	41.74	16	33.2	G M	14	7286	E -24 8034
97		9.1R	21 59.476	-0.0012	17	-29 32 48.87	0.009	17	0.32	59.495	16	33.2	49.02	16	33.2	A2 M	13B	6071	J -29 7421
98		9.2R	22 3.103	-0.0032	15	-28 3 42.93	0.014	15	0.30	3.157	16	33.2	43.16	16	33.2	G0 M	13B	6072	J -27 6550
99		9.2A	22 6.002	0.0020	18	-21 54 36.39	-0.011	13	0.31	5.969	16	33.2	36.21	16	33.2	G J	13A	4186	A -21 2784
100		8.5R	22 8.127	-0.0030	18	-22 40 45.23	0.016	18	0.34	8.177	16	33.2	45.49	16	33.2	G0 J	14	7289	E -22 7201

177400

EPOCH 1950 — ORIGINAL EPOCH — SOURCE — -20° 9H

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	σ'_μ ″.001	σ_{1950} ″	α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	CAT.	STAR NUMBER	DM NUMBER
1		8.1R	9 22 10.048	0.0002	18	-22 41 55.02	0.008	18	0.34	10.044	16	33.2	55.15	16	33.2	K5 J	14	7290	E -22 7202
2		9.1R	22 10.577	0.0008	20	-27 23 28.35	-0.049	20	0.37	10.564	16	33.2	27.52	16	33.2	G5 M	13B	6074	J -27 6552
3		7.4R	22 12.597	0.0003	12	-28 57 53.30	-0.023	12	0.26	12.592	16	33.2	52.92	16	33.2	K5 J	13B	6077	J -28 7219
4		8.5R	22 16.058	0.0064	15	-25 11 55.36	-0.062	15	0.30	15.950	16	33.2	54.33	16	33.2	G5 J	14	7292	E -24 8040
5		8.6R	22 16.354	-0.0005	15	-22 30 30.79	-0.009	15	0.30	16.362	16	33.2	30.63	16	33.2	K0 J	14	7291	E -22 7205
6		9.4R	22 16.922	-0.0012	18	-24 23 26.29	-0.022	18	0.34	16.902	16	33.2	25.92	16	33.2	K0 M	14	7293	E -24 8041
7		8.1R	22 21.660	-0.0019	20	-27 47 16.64	0.007	20	0.37	21.692	16	33.2	16.75	16	33.2	A3 J	13B	6079	J -27 6554
8		8.2R	22 22.610	0.0030	12	-28 51 11.25	-0.068	12	0.26	22.559	16	33.2	10.12	16	33.2	K2 J	13B	6080	J -28 7223
9		9.4R	22 27.592	-0.0037	15	-24 37 11.58	-0.009	15	0.30	27.653	16	33.2	11.43	16	33.2	G0 M	14	7294	E -24 8045
10		9.2A	22 30.565	-0.0028	17	-20 30 15.78	0.007	13	0.30	30.612	16	33.2	15.90	16	33.2	K5 J	13A	4190	A -20 2895
11		9.6R	22 31.942	-0.0064	15	-24 48 33.70	0.046	15	0.30	32.049	16	33.2	34.48	16	33.2	F8 M	14	7295	E -24 8047
12		7.7R	22 33.861	-0.0040	18	-23 36 35.32	-0.044	18	0.34	33.928	16	33.2	34.39	16	33.2	K2 J	14	7296	E -23 8347
13		9.0R	22 35.986	-0.0027	15	-27 29 45.84	-0.006	15	0.30	36.031	16	33.2	45.94	16	33.2	F5 J	13B	6083	J -27 6558
14		9.5R	22 38.935	-0.0008	18	-23 14 46.22	0.024	18	0.34	38.948	16	33.2	46.62	16	33.2	F5 M	14	7297	E -22 7212
15		9.2R	22 44.870	-0.0003	12	-29 14 35.46	0.016	12	0.26	44.876	16	33.2	35.73	16	33.2	K0 M	13B	6084	J -28 7231
16		8.4R	22 48.506	-0.0017	15	-27 51 3.57	-0.010	15	0.30	48.536	16	33.2	3.41	16	33.2	K0 M	13B	6085	J -27 6563
17		9.2R	22 49.656	0.0023	17	-29 47 11.82	-0.022	17	0.32	49.618	16	33.2	11.45	16	33.2	F5 M	13B	6086	J -29 7437
18		8.5A	22 59.516	-0.0023	17	-20 33 19.51	0.011	12	0.29	59.555	16	33.2	19.69	16	33.2	A3 J	13A	4191	A -20 2898
19		9.3R	23 1.739	-0.0016	18	-24 25 41.90	-0.020	18	0.34	1.765	16	33.2	41.57	16	33.2	F5 M	14	7300	E -24 8052
20		9.1R	23 2.334	-0.0031	15	-27 37 45.19	-0.003	15	0.30	2.386	16	33.2	45.13	16	33.2	K0 M	13B	6088	J -27 6566
21		8.4A	23 6.419	-0.0008	18	-20 53 11.67	0.002	13	0.31	6.432	16	33.2	11.70	16	33.2	G5 J	13A	4192	A -20 2900
22		7.8T	23 8.033	-0.0031	11	-28 45 44.71	0.003	10	0.58	8.193	15	98.9	44.90	18	93.8	K2	GC	12995	C -28 7238
23		9.5R	23 9.170	0.0012	18	-25 8 16.12	-0.023	18	0.34	9.150	16	33.2	15.74	16	33.2	F0 M	14	7302	E -24 8055
24		9.6R	23 10.840	0.0040	18	-24 50 15.56	-0.012	18	0.34	10.773	16	33.2	15.36	16	33.2	G0 M	14	7304	E -24 8057
25		8.9R	23 11.197	-0.0019	18	-27 18 39.17	-0.046	18	0.34	11.229	16	33.2	38.39	16	33.2	F8 J	13B	6090	J -26 7033
26		9.1R	23 11.358	0.0051	20	-25 37 44.11	0.007	20	0.37	11.273	16	33.2	44.22	16	33.2	F8 J	14	7306	E -25 7181
27		6.9T	23 23.160	-0.0015	10	-25 7 12.15	0.018	08	0.37	23.221	10	10.2	12.89	10	09.6	B9	GC	12997	C*-24 8060
28		8.3R	23 26.415	-0.0011	20	-27 14 4.34	-0.002	20	0.37	26.433	16	33.2	4.30	16	33.2	M1 M	13B	6092	J -26 7037
29		9.0R	23 26.525	0.0041	20	-27 26 46.56	-0.022	20	0.37	26.456	16	33.2	46.20	16	33.2	F0 J	13B	6093	J -27 6571
30		8.7R	23 27.853	-0.0004	12	-28 25 10.39	0.016	12	0.26	27.860	16	33.2	10.65	16	33.2	K5 M	13B	6095	J -28 7246
31		8.9A	23 30.392	0.0008	18	-21 43 51.94	-0.030	13	0.31	30.379	16	33.2	51.44	16	33.2	F8 J	13A	4193	A -21 2789
32		8.0R	23 30.431	0.0010	18	-22 35 46.36	0.029	18	0.34	30.413	16	33.2	46.84	16	33.2	K5 J	14	7308	E*-22 7232
33		9.1T	23 31.141	-0.0020	17	-29 7 2.73	0.006	13	0.78	31.240	19	01.2	3.07	18	97.0	F0	GC	13000	C -28 7250
34		9.4R	23 33.786	-0.0006	20	-25 20 34.68	0.075	20	0.37	33.797	16	33.2	35.94	16	33.2	F0 M	14	7309	E -25 7184
35		9.3T	23 34.094	0.0006	18	-29 6 35.98	0.015	14	0.83	34.066	18	01.1	36.76	19	99.0	A2	GC	13001	C -28 7251
36		8.8A	23 36.363	-0.0010	18	-20 9 43.68	-0.013	13	0.32	36.380	18	33.1	43.45	16	33.1	A0 J	12B	4195	A -19 2708
37		7.5A	23 37.861	-0.0008	17	-20 32 40.03	-0.023	13	0.30	37.874	16	33.2	39.64	16	33.2	A3 J	13A	4196	A -20 2903
38		9.3R	23 38.211	0.0016	18	-23 32 46.36	0.013	18	0.34	38.184	16	33.2	46.58	16	33.2	M4 M	14	7310	E -23 8363
39		9.6R	23 40.591	0.0015	18	-24 34 57.54	0.001	18	0.34	40.565	16	33.2	57.56	16	33.2	F8 M	14	7311	E -24 8068
40		9.0R	23 48.264	0.0016	12	-28 47 35.83	-0.010	12	0.26	48.238	16	33.2	35.67	16	33.2	K0 M	13B	6102	J -28 7254
41		9.3R	23 48.335	0.0005	18	-23 45 33.57	-0.047	18	0.34	48.327	16	33.2	32.78	16	33.2	A5 M	14	7312	E -23 8366
42		9.0A	23 49.655	-0.0015	20	-21 54 6.64	0.022	15	0.33	49.679	16	33.2	7.01	16	33.2	A0 J	13A	4197	A -21 2794
43		9.3R	23 50.666	-0.0016	15	-23 46 42.04	0.020	15	0.30	50.694	16	33.2	42.38	16	33.2	K0 M	14	7313	E -23 8367
44		9.6R	23 53.091	0.0027	18	-25 3 53.45	-0.052	18	0.34	53.045	16	33.2	52.58	16	33.2	G0 M	14	7315	E -24 8074
45		9.4R	23 54.859	0.0014	18	-22 26 58.99	-0.008	18	0.34	54.835	16	33.2	58.85	16	33.2	G0 J	14	7314	E -22 7238
46		7.2T	24 1.354	-0.0020	13	-29 49 3.21	-0.004	11	0.65	1.453	19	00.3	3.00	18	96.3	A2	GC	13016	C -29 7459
47		9.3R	24 3.987	0.0009	12	-22 52 35.14	0.019	12	0.26	3.972	16	33.2	35.45	16	33.2	F5 J	14	7316	E -22 7239
48		9.3R	24 5.736	-0.0029	15	-22 32 7.16	-0.000	15	0.30	5.785	16	33.2	7.15	16	33.2	F5 J	14	7317	E -22 7240
49		8.7R	24 5.922	0.0015	15	-24 53 17.15	-0.034	15	0.30	5.897	16	33.2	16.58	16	33.2	F5 J	14	7318	E -24 8076
50		9.0R	24 9.407	-0.0033	15	-27 1 16.75	0.024	15	0.30	9.462	16	33.2	17.16	16	33.2	F2 J	14	7319	E -26 7053
51		8.4R	9 24 10.162	0.0011	17	-29 28 22.25	0.011	17	0.32	10.143	16	33.2	22.45	16	33.2	K0 J	13B	6105	J -29 7463
52		6.6T	24 14.936	-0.0027	22	-29 13 35.95	-0.008	20	1.01	15.067	19	02.7	35.59	21	03.0	F0	GC	13023K	C*-28 7264
53		8.0A	24 17.676	-0.0023	17	-20 30 19.67	-0.006	13	0.30	17.715	16	33.2	19.57	16	33.2	K0 J	13A	4203	A -20 2904
54		6.8T	24 24.691	-0.0041	16	-23 57 1.01	0.013	13	0.74	24.890	14	01.3	1.69	15	98.7	A0	GC	13027	C -23 8373
55		8.3R	24 25.939	-0.0014	20	-26 21 32.94	0.013	20	0.37	25.963	16	33.2	33.15	16	33.2	F5 J	14	7322	E -26 7060
56		8.8A	24 27.695	-0.0019	13	-20 25 51.37	0.003	09	0.25	27.727	16	33.2	51.41	16	33.2	G5 J	13A	4205	A -20 2905
57		8.3R	24 28.159	-0.0025	15	-28 9 27.93	-0.027	15	0.30	28.201	16	33.2	27.48	16	33.2	A2 J	13B	6109	J -27 6592
58		8.6R	24 28.211	0.0011	18	-22 44 44.45	-0.004	18	0.34	28.192	16	33.2	44.38	16	33.2	K0 M	14	7321	E -22 7249
59		9.0R	24 30.882	0.0007	20	-26 40 22.33	0.051	20	0.37	30.870	16	33.2	23.18	16	33.2	F8 J	14	7323	E -26 7062
60		9.0R	24 32.281	-0.0013	17	-28 55 49.33	-0.003	17	0.32	32.303	16	33.2	49.28	16	33.2	A5 J	13B	6111	J -28 7268
61		6.0T	24 33.958	-0.0023	09	-28 34 11.78	-0.005	07	0.38	34.064	10	04.6	11.56	12	02.2	B8	GC	13033K	C*-28 7271
62		9.0R	24 33.960	0.0012	20	-26 50 44.36	0.012	20	0.37	33.940	16	33.2	44.57	16	33.2	K2 M	14	7324	E -26 7063
63		8.6A	24 40.059	-0.0014	18	-21 45 20.34	-0.008	13	0.31	40.082	16	33.2	20.20	16	33.2	G5 J	13A	4209	A -21 2800
64		9.3R	24 40.702	-0.0031	12	-28 37 58.99	0.035	12	0.26	40.753	16	33.2	59.58	16	33.2	G0 M	13B	6113	J -28 7273
65		8.8A	24 41.171	0.0014	17	-21 14 24.99	-0.017	13	0.30	41.147	16	33.2	24.70	16	33.2	K2 J	13A	4210	A -20 2906
66		8.7R	24 50.068	0.0038	12	-29 14 7.92	0.001	12	0.26	50.004	16	33.2	7.95	16	33.2	F0 M	13B	6115	J -28 7275
67		8.4R	24 54.592	-0.0036	15	-27 39 5.82	0.002	15	0.30	54.653	16	33.2	5.84	16	33.2	K7 M	13B	6116	J -27 6595
68		9.5R	25 0.209	0.0052	20	-22 44 41.14	-0.120	20	0.37	0.122	16	33.2	39.12	16	33.2	G5 M	14	7327	E -22 7258
69		4.9T	25 0.995	0.0127	07	-22 7 24.74	-0.164	07	0.31	0.439	09	06.2	17.40	09	05.2	K0	GC	13043	B*-21 2802
70		9.0R	25 1.114	-0.0021	15	-27 23 57.30	0.010	20	0.33	1.149	16	33.2	57.46	16	33.2	K0 M	13B	6117	J -27 6599
71		9.4R	25 4.769	-0.0025	18	-25 2 6.98	-0.024	18	0.34	4.812	16	33.2	6.58	16	33.2	F0 M	14	7329	E -24 8093
72		9.1R	25 5.568	-0.0006	18	-23 6 22.57	0.008	18	0.34	5.577	16	33.2	22.70	16	33.2	F8 M	14	7328	E -22 7259
73		9.0R	25 8.790	-0.0018	17	-29 4 24.00	0.036	17	0.32	8.820	16	33.2	24.62	16	33.2	A5 M	13B	6118	J -28 7281
74		8.3A	25 9.494	-0.0034	17	-20 33 33.26	0.012	13	0.30	9.551	16	33.2	33.46	16	33.2	K5 J	13A	4214	A -20 2907
75		9.2R	25 12.038	0.0002	20	-28 21 8.23	-0.001	20	0.37	12.035	16	33.2	8.21	16	33.2	F8 M	13B	6120	J -28 7282
76		8.8R	25 12.204	-0.0039	20	-25 33 51.45	0.004	20	0.37	12.270	16	33.2	51.51	16	33.2	F5 J	14	7331	E -25 7205
77		8.6R	25 14.437	-0.0006	18	-25 11 51.55	0.025	18	0.34	14.446	16	33.2	51.97	16	33.2	G5 J	14	7332	E -24 8096
78		8.3R	25 16.250	-0.0026	20	-28 10 37.50	0.009	20	0.37	16.294	16	33.2	37.64	16	33.2	F5 J	13B	6121	J -27 6603
79		8.9R	25 17.560	0.0012	20	-26 54 29.08	-0.008	20	0.37	17.540	16	33.2	28.94	16	33.2	K0 J	14	7333	E -26 7078
80		9.0R	25 25.833	0.0002	20	-25 20 0.25	0.000	20	0.37	25.830	16	33.2	0.26	16	33.2	M0 M	14	7334	E -25 7208
81		8.6R	25 28.760	0.0019	17	-29 40 10.71	0.047	17	0.32	26.728	16	33.2	11.50	16	33.2	F8 J	13B	6123	J -29 7481
82		9.1R	25 29.417	0.0006	18	-22 32 38.56	0.011	18	0.34	29.407	16	33.2	38.74	16	33.2	G5 J	14	7335	E -22 7268
83		8.3R	25 30.308	0.0003	18	-26 8 35.57	-0.042	18	0.34	30.303	16	33.2	34.86	16	33.2	F8 J	14	7338	E -25 7209
84		8.0R	25 30.496	-0.0028	15	-26 53 15.14	-0.018	15	0.30	30.543	16	33.2	14.83	16	33.2	K0 J	14	7339	E -26 7081
85		9.6R	25 31.012	-0.0037	21	-22 57 59.58	0.008	21	0.38	31.073	16	33.2	59.71	16	33.2	F5 M	14	7337	E -22 7269
86		8.2R	25 32.700	0.0007	12	-28 41 18.69	0.022	12	0.26	32.689	16	33.2	19.07	16	33.2	K2 J	13B	6124	J -28 7293
87		9.0R	25 35.266	-0.0008	20	-26 35 24.31	0.036	20	0.37	35.279	16	33.2	24.93	16	33.2	K0 M	14	7340	E -26 7083
88		7.6A	25 36.448	-0.0026	17	-22 18 37.37	0.019	13	0.30	36.492	16	33.2	37.69	16	33.2	K0 J	13A	4216	A -21 2807
89		9.2R	25 41.516	0.0003	18	-24 7 49.70	-0.009	18	0.34	41.510	16	33.2	49.55	16	33.2	K0 M	14	7341	E -23 8401
90		8.0R	25 42.384	0.0008	18	-23 27 37.25	-0.023	18	0.34	42.370	16	33.2	36.86	16	33.2	K0 J	14	7342	E -23 8402
91		8.9R	25 44.431	-0.0044	17	-27 37 24.64	-0.038	17	0.32	44.505	16	33.2	24.00	16	33.2	K0 M	13B	6126	J -27 6610
92		9.0R	25 46.464	-0.0002	20	-28 13 18.22	0.005	20	0.37	46.468	16	33.2	18.30	16	33.2	K0 M	13B	6127	J -27 6613
93		9.3R	25 49.137	-0.0045	20	-26 13 27.59	-0.024	20	0.37	49.213	16	33.2	27.18	16	33.2	K0 M	14	7343	E -25 7215
94		9.2R	25 49.978	-0.0035	20	-28 22 49.22	0.004	20	0.37	50.037	16	33.2	49.28	16	33.2	F0 M	13B	6128	J -28 7296
95		9.8R	25 52.030	0.0018	20	-23 28 39.52	-0.019	20	0.37	52.000	16	33.2	39.19	16	33.2	G M	14	7344	E -23 8403
96		9.4R	25 52.035	-0.0014	20	-26 51 51.03	0.026	20	0.37	52.059	16	33.2	51.46	16	33.2	G0 M	14	7346	E -26 7087
97		8.9R	25 53.096	-0.0000	17	-25 36 3.43	0.030	17	0.32	53.097	16	33.2	3.93	16	33.2	G0 J	14	7345	E -25 7218
98		9.0R	25 53.320	-0.0048	15	-27 55 47.58	-0.007	15	0.30	53.402	16	33.2	47.45	16	33.2	F8 M	13B	6129	J -27 6617
99		9.5R	25 55.062	-0.0008	20	-23 40 16.69	0.020	20	0.37	55.075	16	33.2	17.03	16	33.2	F8 M	14	7347	E -23 8404
00		9.5R	26 3.296	0.0090	13	-22 44 26.37	0.010	13	0.28	3.211	16	33.2	26.53	16	33.2	F5 M	14	7348	E -22 7275

177500

EPOCH 1950 — ORIGINAL EPOCH — SOURCE — −20° 9H

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	CAT.	STAR NUMBER	DM NUMBER
1		8.4R	9 26 11.570	-0.0024	15	-26 4 44.54	-0.000	15	0.30	11.611	16	33.2	44.53	16	33.2	A2 J	14	7349	E -25 7224
2		9.0R	26 12.749	0.0005	17	-28 55 16.21	0.017	17	0.32	12.740	16	33.2	16.50	16	33.2	K0 M	13B	6132	J -28 7302
3		8.6R	26 14.315	-0.0026	20	-27 45 10.66	0.006	20	0.37	14.359	16	33.2	10.74	16	33.2	A5 J	13B	6133	J -27 6622
4		8.6R	26 15.606	-0.0024	18	-24 13 3.01	0.020	18	0.34	15.646	16	33.2	3.35	16	33.2	F5 J	14	7350K	E -23 8411
5		9.4R	26 19.216	-0.0064	20	-26 46 53.44	0.021	20	0.37	19.324	16	33.2	53.79	16	33.2	F5 M	14	7352	E -26 7093
6		7.8A	26 24.329	-0.0034	17	-20 34 51.98	-0.002	12	0.29	24.385	16	33.2	51.95	16	33.2	B9 J	13A	4218K	A -20 2912
7		7.1T	26 24.483	-0.0034	14	-25 12 49.68	-0.002	11	0.68	24.654	17	00.1	49.59	17	97.1	A3	GC	13076	C* -24 8115
8		8.7R	26 27.151	-0.0032	17	-29 33 40.37	0.033	17	0.32	27.205	16	33.2	40.92	16	33.2	F5 J	13B	6135	J -29 7494
9		8.1R	26 27.441	0.0034	15	-26 7 44.80	-0.028	15	0.30	27.384	16	33.2	44.32	16	33.2	A2 J	14	7354	E -25 7226
10		9.1R	26 32.087	-0.0002	18	-23 50 33.96	-0.039	18	0.34	32.090	16	33.2	33.31	16	33.2	G0 M	14	7355	E -23 8416
11		9.1R	26 33.227	0.0013	12	-28 43 42.25	0.013	12	0.26	33.204	16	33.2	42.48	16	33.2	K0 M	13B	6137	J -28 7308
12		9.1R	26 35.267	-0.0005	20	-28 28 27.72	0.065	20	0.37	35.275	16	33.2	28.80	16	33.2	K0 M	13B	6138	J -28 7309
13		8.3A	26 41.186	-0.0036	15	-20 12 56.14	-0.012	11	0.28	41.247	18	33.1	55.93	16	33.1	F0 J	12B	4219	A -19 2723
14		9.5R	26 41.912	-0.0036	20	-23 58 53.97	0.034	20	0.37	41.969	16	33.2	54.54	16	33.2	G M	14	7356	E -23 8419
15		9.3R	26 43.885	-0.0029	20	-26 0 28.88	0.015	20	0.37	43.934	16	33.2	29.13	16	33.2	F0 J	14	7358	E -25 7233
16		9.0R	26 44.105	-0.0047	20	-27 3 59.08	0.021	20	0.37	44.184	16	33.2	59.43	16	33.2	A0 J	14	7359	E -26 7101
17		8.4R	26 44.755	-0.0004	18	-24 48 29.91	-0.015	18	0.34	44.762	16	33.2	29.66	16	33.2	M1 M	14	7357	E -24 8122
18		9.6R	26 47.698	0.0042	18	-23 35 45.65	-0.022	18	0.34	47.626	16	33.2	45.28	16	33.2	K5 M	14	7360	E -23 8420
19		8.8R	26 53.153	-0.0034	13	-28 50 34.52	0.003	13	0.28	53.210	16	33.2	34.58	16	33.2	F8 J	13B	6141	J -28 7316
20		9.6R	26 54.417	-0.0019	15	-24 33 1.13	-0.011	15	0.30	54.449	16	33.2	0.95	16	33.2	K M	14	7361	E -24 8124
21		6.0T	26 54.451	-0.0015	15	-20 31 46.52	0.018	13	0.70	54.523	19	03.2	47.38	18	02.2	K5	GC	13088	-20 2915
22		8.4R	26 58.007	-0.0009	20	-25 25 51.42	0.008	20	0.37	58.023	16	33.2	51.56	16	33.2	F2 J	14	7362	E -25 7237
23		8.7R	26 59.110	-0.0036	15	-27 28 39.10	-0.027	15	0.30	59.171	16	33.2	38.66	16	33.2	K0 M	13B	6142	J -27 6638
24		9.0R	27 6.981	-0.0005	17	-29 33 21.20	0.046	17	0.32	6.990	16	33.2	21.97	16	33.2	F8 M	13B	6144	J -29 7503
25		8.6R	27 7.452	-0.0036	17	-29 46 33.28	0.031	17	0.32	7.513	16	33.2	33.80	16	33.2	F5 J	13B	6145	J -29 7505
26		8.6A	27 8.469	-0.0032	20	-21 51 29.20	0.037	15	0.33	8.524	16	33.2	29.82	16	33.2	A2 J	13A	4221	A -21 2815
27		9.0R	27 10.695	-0.0035	18	-23 36 54.31	0.023	18	0.34	10.754	16	33.2	54.70	16	33.2	F0 M	14	7363	E -23 8424
28		9.8R	27 10.864	0.0021	18	-24 20 55.19	-0.002	18	0.34	10.828	16	33.2	55.16	16	33.2	F5 M	14	7364	E -24 8133
29		9.1R	27 14.445	-0.0009	17	-29 50 1.69	0.023	17	0.32	14.461	16	33.2	2.07	16	33.2	A0 J	13B	6146	J -29 7507
30		9.1A	27 15.869	-0.0058	18	-20 25 29.27	0.012	13	0.31	15.966	16	33.2	29.46	16	33.2	G5 J	13A	4222	A -20 2918
31		9.1R	27 17.719	-0.0044	20	-29 56 10.47	0.046	20	0.37	17.793	16	33.2	11.24	16	33.2	K0 M	13B	6148	J -29 7509
32		9.1A	27 18.053	-0.0086	18	-20 21 41.66	0.111	13	0.31	18.198	16	33.2	43.52	16	33.2	G5 J	13A	4223	A -19 2724
33		8.8R	27 18.925	-0.0038	15	-27 34 53.96	0.015	15	0.30	18.990	16	33.2	54.20	16	33.2	G5 J	13B	6147	J -27 6644
34		9.2R	27 19.700	0.0019	17	-29 58 49.64	0.024	17	0.32	19.668	16	33.2	50.04	16	33.2	A5 M	13B	6150	J -29 7510
35		8.5R	27 20.970	-0.0005	20	-28 13 10.18	-0.006	20	0.37	20.978	16	33.2	10.07	16	33.2	F8 J	13B	6149	J -27 6645
36		9.3R	27 21.615	0.0007	17	-28 50 53.66	0.015	12	0.29	21.604	16	33.2	53.91	16	33.2	K2 M	13B	6151	J -28 7325
37		9.1R	27 22.269	-0.0043	20	-28 34 56.27	0.023	20	0.37	22.360	16	33.2	56.67	16	33.2	G0 M	13B	6153	J -28 7327
38		8.3R	27 23.485	-0.0007	20	-27 30 16.50	-0.008	20	0.37	23.497	16	33.2	16.36	16	33.2	K5 J	13B	6152	J -27 6646
39		6.8T	27 27.423	-0.0066	06	-26 22 26.14	-0.031	05	0.27	27.730	10	03.4	24.53	10	98.5	G5	GC	13099	C* -26 7114
40		7.5T	27 31.558	-0.0024	14	-25 18 28.63	-0.028	12	0.70	31.678	21	00.6	27.21	19	98.5	K0	GC	13100	C -24 8145
41		6.5T	27 33.749	-0.0004	11	-23 7 31.52	-0.007	11	0.48	33.764	14	08.8	31.21	15	07.8	K0	GC	13106	-22 2623
42		9.0A	27 33.956	-0.0059	15	-22 4 50.29	0.019	11	0.27	34.056	16	33.2	50.61	16	33.2	F8 J	13A	4227	A -21 2818
43		8.7R	27 35.212	-0.0040	20	-25 22 14.05	0.006	20	0.37	35.280	16	33.2	14.15	16	33.2	K5 M	14	7368	E -25 7244
44		9.4R	27 36.433	-0.0003	18	-24 26 48.82	-0.042	18	0.34	36.439	16	33.2	48.12	16	33.2	G0 M	14	7369	E -24 8146
45		9.6R	27 38.099	-0.0017	18	-23 56 42.15	-0.001	18	0.34	38.127	16	33.2	42.13	16	33.2	K0 M	14	7370	E -23 8433
46		5.7T	27 41.230	-0.0019	05	-26 22 10.69	-0.002	04	0.24	41.315	09	05.1	10.58	09	02.2	K0	GC	13110K	C* -26 7117
47		9.3R	27 41.755	-0.0023	18	-24 31 28.90	-0.027	18	0.34	41.793	16	33.2	28.45	16	33.2	F5 M	14	7371	E -24 8149
48		8.6R	27 43.170	-0.0016	15	-27 1 43.68	0.016	15	0.30	43.197	16	33.2	43.94	16	33.2	K0 M	14	7372	E -26 7119
49		9.4R	27 44.499	0.0005	12	-24 42 34.43	-0.061	13	0.26	44.490	16	33.2	35.46	16	33.2	K M	14	7373	E -24 8151
50		9.3R	27 44.502	-0.0003	12	-29 10 24.66	0.032	12	0.26	44.506	16	33.2	25.21	16	33.2	K M	13B	6157	J -28 7333
51		8.3A	9 27 45.069	0.0020	18	-21 55 19.17	-0.003	13	0.31	45.035	16	33.2	19.12	16	33.2	A0 J	13A	4231	A -21 2819
52		7.4T	27 46.496	0.0009	12	-28 1 24.37	-0.036	12	0.66	46.452	18	98.2	22.46	18	97.5	B9	GC	13114	C -27 6651
53		9.0R	27 47.000	-0.0003	18	-24 18 5.90	-0.007	18	0.34	47.004	16	33.2	5.79	16	33.2	K0 M	14	7375	E -23 8438
54		9.2R	27 47.730	-0.0000	15	-24 12 55.40	0.029	15	0.30	47.731	16	33.2	55.89	16	33.2	F0 M	14	7376	E -23 8437
55		9.4R	27 49.050	-0.0024	18	-24 27 54.50	0.035	18	0.34	49.090	16	33.2	55.09	16	33.2	K0 M	14	7377	E -24 8154
56		7.4R	27 53.490	0.0009	17	-28 22 25.26	-0.030	17	0.32	53.475	16	33.2	24.75	16	33.2	K0 J	13B	6160	J -28 7336
57		8.8A	27 55.284	-0.0062	15	-20 46 57.89	0.024	11	0.27	55.389	16	33.2	58.29	16	33.2	G5 J	13A	4233	A -20 2920
58		9.3R	27 56.922	-0.0019	20	-26 9 31.70	0.034	20	0.37	56.954	16	33.2	32.27	16	33.2	K5 M	14	7379	E -25 7250
59		9.0R	27 58.012	-0.0083	18	-25 47 41.55	0.071	18	0.34	58.152	16	33.2	42.74	16	33.2	F8 J	14	7380	E -25 7251
60		8.4R	27 58.180	-0.0017	20	-27 27 38.86	-0.007	20	0.37	58.208	16	33.2	38.74	16	33.2	B9 J	13B	6163K	J -27 6654
61		6.8T	27 58.741	-0.0039	16	-24 3 14.53	0.023	13	0.77	58.937	15	99.6	15.77	17	96.4	K2	GC	13121	C -23 8441
62		7.6R	27 59.810	0.0006	17	-29 55 27.11	-0.001	17	0.32	59.801	16	33.2	27.09	16	33.2	K5 J	13B	6164	J -29 7516
63		9.1A	28 1.973	0.0023	20	-21 57 2.54	0.070	15	0.33	1.935	16	33.2	3.72	16	33.2	F5 J	13A	4235	A -21 2820
64		8.5R	28 2.448	-0.0053	15	-27 58 5.12	-0.016	15	0.30	2.537	16	33.2	4.84	16	33.2	F5 J	13B	6165	J -27 6657
65		8.9R	28 3.128	0.0012	15	-24 48 7.23	0.002	15	0.30	3.108	16	33.2	7.27	16	33.2	A5 J	14	7381	E -24 8158
66		8.9R	28 4.219	0.0020	20	-29 3 43.80	0.013	20	0.37	4.184	16	33.2	44.02	16	33.2	A5 J	13B	6166	J -28 7339
67		9.5R	28 4.580	-0.0022	20	-23 30 27.51	-0.006	20	0.37	4.616	16	33.2	27.41	16	33.2	F5 M	14	7382	E -23 8443
68		9.4R	28 5.260	0.0031	18	-25 17 23.79	-0.022	18	0.34	5.207	16	33.2	23.42	16	33.2	F8 M	14	7383	E -24 8159
69		9.3R	28 9.611	-0.0053	20	-28 0 36.55	-0.063	20	0.37	9.700	16	33.2	35.49	16	33.2	G5 M	13B	6167	J -27 6660
70		9.6R	28 9.756	-0.0032	18	-24 48 14.64	0.007	18	0.34	9.809	16	33.2	14.76	16	33.2	F8 M	14	7384	E -24 8163
71		8.2A	28 12.763	-0.0015	17	-20 45 32.17	-0.024	13	0.30	12.789	16	33.2	31.77	16	33.2	F0 J	13A	4237	A -20 2921
72		8.8R	28 12.815	-0.0007	17	-29 36 26.82	-0.008	17	0.32	12.827	16	33.2	26.68	16	33.2	A0 J	13B	6168	J -29 7522
73		9.0R	28 15.460	0.0016	17	-29 40 16.55	-0.002	17	0.32	15.433	16	33.2	16.51	16	33.2	K5 M	13B	6171	J -29 7523
74		8.6R	28 17.203	-0.0015	20	-27 25 49.05	-0.012	20	0.37	17.228	16	33.2	48.84	16	33.2	A0 M	13B	6169	J -27 6661
75		8.9R	28 19.528	-0.0026	15	-27 28 40.01	0.002	15	0.30	19.572	16	33.2	40.06	16	33.2	K0 M	13B	6172	J -27 6662
76		9.0A	28 22.625	-0.0066	15	-20 8 59.71	0.021	12	0.29	22.736	18	33.1	+ 0.05	16	33.1	K0 J	12B	4238	A -19 2731
77		7.7T	28 26.580	-0.0012	16	-25 23 43.98	-0.033	13	0.76	26.639	21	01.6	42.29	19	98.1	A3	GC	13131	C -25 7258
78		8.9R	28 27.956	0.0010	18	-27 10 47.63	-0.011	18	0.34	27.939	16	33.2	47.44	16	33.2	K0 J	14	7388	E -26 7131
79		8.2R	28 28.217	-0.0018	12	-28 22 57.69	0.052	12	0.26	28.247	16	33.2	58.56	16	33.2	F5 J	13B	6175	J -28 7347
80		8.3R	28 28.729	-0.0004	20	-26 35 28.80	0.002	20	0.37	28.735	16	33.2	28.83	16	33.2	M0 M	14	7389	E -26 7130
81		9.2R	28 28.793	0.0001	18	-22 27 57.37	-0.013	18	0.34	28.791	16	33.2	57.15	16	33.2	F0 M	14	7386	E -22 7308
82		6.7T	28 28.943	-0.0025	16	-28 32 44.46	-0.047	13	0.76	29.067	18	01.0	42.05	18	98.4	K0	GC	13132	C -28 7348
83		9.2R	28 32.109	0.0033	17	-28 27 54.73	0.001	17	0.32	32.055	16	33.2	54.74	16	33.2	G5 M	13B	6177	J -28 7349
84		8.2R	28 32.388	-0.0029	18	-23 17 21.72	0.009	18	0.34	32.436	16	33.2	21.86	16	33.2	K0 J	14	7390	E -22 7312
85		8.2A	28 34.618	-0.0011	18	-21 29 50.23	-0.028	13	0.31	34.636	16	33.2	49.76	16	33.2	K2 J	13A	4239	A -21 2825
86		8.8A	28 36.932	-0.0007	13	-20 47 31.64	0.021	09	0.25	36.943	16	33.2	31.99	16	33.2	G0 J	13A	4240	A -20 2923
87		9.1R	28 37.104	0.0002	18	-23 28 1.60	-0.044	18	0.34	37.100	16	33.2	0.85	16	33.2	M M	14	7391	E -23 8449
88		8.7R	28 42.587	-0.0004	18	-23 25 30.93	0.032	18	0.34	42.593	16	33.2	31.46	16	33.2	A0 J	14	7392	E -23 8451
89		9.1R	28 48.404	-0.0017	18	-26 40 36.34	0.019	18	0.34	48.432	16	33.2	36.66	16	33.2	F0 J	14	7394	E -26 7138
90		8.8R	28 48.685	-0.0234	18	-24 53 37.27	-0.070	18	0.34	49.080	16	33.2	36.09	16	33.2	G5 J	14	7393	E -24 8173
91		8.3R	28 51.399	-0.0015	18	-24 37 9.54	-0.010	18	0.34	51.425	16	33.2	9.38	16	33.2	B9 J	14	7395	E -24 8175
92		9.0A	28 52.054	-0.0002	17	-22 4 23.04	0.012	13	0.30	52.058	16	33.2	23.24	16	33.2	F0 J	13A	4241	A -21 2826
93		9.3R	28 56.175	-0.0102	20	-23 16 23.75	0.069	20	0.37	56.347	16	33.2	24.90	16	33.2	G0 M	14	7396	E -22 7320
94		9.4R	28 59.219	0.0011	18	-24 15 16.28	-0.023	18	0.34	59.200	16	33.2	15.89	16	33.2	K0 M	14	7397	E -23 8454
95		8.6R	29 2.979	-0.0020	12	-28 22 12.04	0.023	12	0.26	3.013	16	33.2	12.42	16	33.2	K2 M	13B	6182	J -28 7355
96		8.9A	29 3.159	-0.0048	15	-20 29 57.65	-0.004	12	0.28	3.239	16	33.2	57.57	16	33.2	A0 J	13A	4242	A -20 2927
97		9.4R	29 3.448	0.0008	18	-25 10 23.72	-0.035	18	0.34	3.434	16	33.2	23.14	16	33.2	K5 M	14	7399	E -24 8178
98		9.3R	29 4.576	0.0015	15	-23 53 38.22	-0.066	15	0.30	4.551	16	33.2	37.11	16	33.2	A5 M	14	7398	E -23 8458
99		7.7R	29 4.598	0.0005	18	-24 7 21.03	-0.009	18	0.34	4.590	16	33.2	20.88	16	33.2	K2 J	14	7400	E -23 8457
00		8.0R	29 6.448	-0.0023	15	-27 55 24.40	0.004	15	0.30	6.487	16	33.2	24.46	16	33.2	K2 J	13B	6184	J -27 6674

177600

EPOCH 1950 — ORIGINAL EPOCH — SOURCE — -20° 9H

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	CAT.	STAR NUMBER	DM NUMBER
1		9.4R	9 29 8.983	-0.0031	18	-23 46 21.73	0.029	18	0.34	9.035	16	33.2	22.22	16	33.2	K0 M	14	7401	E -23 8460
2		7.8R	29 13.171	-0.0007	18	-23 17 4.76	-0.027	18	0.34	13.182	16	33.2	4.30	16	33.2	A2 J	14	7402	E -22 7326
3		8.2A	29 22.961	-0.0048	17	-21 7 19.56	0.046	13	0.30	23.043	16	33.2	20.34	16	33.2	G5 J	13A	4243	A -20 2929
4		9.3R	29 29.918	-0.0004	00	-27 31 57.18	-0.010	20	0.28	29.925	16	33.2	57.00	16	33.2	G0 M	13B	6188	J -27 6677
5		9.1A	29 34.491	-0.0008	17	-21 32 20.17	0.003	13	0.30	34.505	16	33.2	20.22	16	33.2	A0 J	13A	4244	A -21 2833
6		9.6R	29 35.501	-0.0003	20	-23 17 51.94	0.013	20	0.37	35.506	16	33.2	52.15	16	33.2	F5 M	14	7405	E -22 7331
7		8.2R	29 38.918	0.0009	13	-23 6 37.14	0.017	13	0.28	38.903	16	33.2	37.42	16	33.2	K2 J	14	7406	E -22 7332
8		9.2R	29 41.056	-0.0008	12	-22 38 44.26	0.018	12	0.26	41.070	16	33.2	44.56	16	33.2	F8 M	14	7407	E -22 7333
9		9.3R	29 42.328	-0.0012	17	-29 11 8.49	-0.015	13	0.30	42.348	16	33.2	8.25	16	33.2	F5 M	13B	6190	J -28 7367
10		9.4R	29 42.721	-0.0021	18	-26 43 28.02	-0.028	18	0.34	42.756	16	33.2	27.54	16	33.2	F5 M	14	7409	E -26 7155
11		9.8R	29 42.767	-0.0038	18	-22 29 55.16	0.064	18	0.34	42.831	16	33.2	56.24	16	33.2	F5 M	14	7408	E -22 7334
12		8.2R	29 44.234	-0.0018	20	-26 55 23.42	-0.056	20	0.37	44.264	16	33.2	22.47	16	33.2	K2 J	14	7410	E -26 7157
13		8.1R	29 47.277	-0.0045	20	-28 0 10.23	-0.221	20	0.37	47.354	16	33.2	6.50	16	33.2	G5 J	13B	6191	J -27 6682
14		9.2R	29 50.319	-0.0006	15	-23 7 30.96	-0.033	15	0.30	50.328	16	33.2	30.40	16	33.2	K7 J	14	7411	E -22 7335
15		8.7A	29 54.028	-0.0039	15	-20 28 58.92	-0.026	11	0.27	54.094	16	33.2	58.48	16	33.2	F5 J	13A	4249	A -20 2931
16		8.1R	29 54.477	0.0013	17	-28 49 29.75	0.071	17	0.32	54.455	16	33.2	30.96	16	33.2	F0 J	13B	6192	J -28 7369
17		9.0R	29 55.266	-0.0009	17	-25 22 6.03	0.037	17	0.32	55.280	16	33.2	6.66	16	33.2	F0 J	14	7412	E -25 7277
18		9.1A	29 59.925	-0.0040	18	-22 8 46.47	-0.002	13	0.31	59.993	16	33.2	46.44	16	33.2	F2 J	13A	4252	A -21 2834
19		6.4I	30 6.988	-0.0057	12	-28 24 24.28	0.035	10	0.63	7.278	17	99.2	26.24	18	94.7	F0	GC	13173V	C*-28 7373
20		9.5R	30 8.849	0.0015	18	-24 7 37.84	0.001	18	0.34	8.824	16	33.2	37.85	16	33.2	K0 M	14	7414	E -23 8475
21		8.9R	30 9.162	-0.0040	15	-26 41 39.94	0.020	15	0.30	9.230	16	33.2	40.28	16	33.2	A0 J	14	7415	E -26 7165
22		9.2R	30 11.269	-0.0017	17	-29 48 27.84	-0.028	17	0.32	11.299	16	33.2	27.37	16	33.2	G0 M	13B	6196	J -29 7551
23		8.0R	30 17.001	-0.0040	20	-26 12 15.62	-0.020	20	0.37	17.069	16	33.2	15.27	16	33.2	F8 J	14	7417	E -25 7284
24		8.5R	30 19.340	0.0010	18	-22 41 31.70	0.011	18	0.34	19.324	16	33.2	31.89	16	33.2	M0 J	14	7416	E -22 7344
25		9.4R	30 23.768	-0.0005	20	-25 21 45.65	0.008	20	0.37	23.777	16	33.2	45.79	16	33.2	F8 M	14	7418	E -25 7288
26		7.4R	30 28.453	-0.0011	20	-27 11 33.01	-0.021	15	0.33	28.470	16	33.2	32.66	16	33.2	M0 M	14	7419	E -26 7175
27		9.3R	30 28.976	0.0002	12	-27 40 40.26	0.002	12	0.26	28.973	16	33.2	40.30	16	33.2	K0 M	13B	6199	J -27 6692
28		9.0R	30 31.396	-0.0035	15	-27 52 52.78	-0.120	15	0.30	31.455	16	33.2	50.76	16	33.2	G5 M	13B	6200	J -27 6694
29		8.4R	30 36.151	-0.0002	18	-22 20 49.98	0.009	18	0.34	36.153	16	33.2	50.13	16	33.2	K7 J	14	7420	E -22 7349
30		8.7R	30 38.662	0.0002	20	-28 59 54.52	0.003	20	0.37	38.659	16	33.2	54.58	16	33.2	K0 M	13B	6202	J -28 7384
31		8.1A	30 38.681	-0.0042	18	-22 18 0.19	0.005	13	0.31	38.751	16	33.2	0.27	16	33.2	F5 J	13A	4255	A -21 2841
32		9.1R	30 39.008	-0.0009	12	-28 42 4.13	-0.009	12	0.26	39.024	16	33.2	3.98	16	33.2	A5 J	13B	6203	J -28 7385
33		9.5R	30 39.957	-0.0038	18	-22 55 23.89	0.035	18	0.34	40.021	16	33.2	24.49	16	33.2	G5 M	14	7421	E -22 7350
34		7.7R	30 42.572	0.0003	20	-27 27 14.12	-0.072	20	0.37	42.566	16	33.2	12.91	16	33.2	A5 J	13B	6204	J -27 6699
35		8.4R	30 43.047	-0.0011	18	-23 34 49.57	-0.011	18	0.34	43.066	16	33.2	49.38	16	33.2	A0 J	14	7422	E -23 8487
36		9.3R	30 45.676	0.0001	17	-29 32 43.58	0.027	17	0.32	45.675	16	33.2	44.04	16	33.2	G5 M	13B	6205	J -29 7562
37		9.0R	30 46.559	-0.0025	21	-23 54 28.35	-0.019	21	0.39	46.601	16	33.2	28.02	16	33.2	G0 M	14	7423	E -23 8488
38		9.0R	30 48.150	-0.0012	20	-26 51 47.35	-0.001	20	0.37	48.170	16	33.2	47.34	16	33.2	A0 J	14	7427	E -26 7184
39		9.4R	30 49.146	-0.0005	18	-24 56 15.33	0.028	18	0.34	49.155	16	33.2	15.80	16	33.2	K2 M	14	7426	E -24 8207
40		9.0R	30 51.392	0.0011	18	-22 25 7.72	0.011	18	0.34	51.374	16	33.2	7.90	16	33.2	G5 M	14	7425	E -22 7352
41		8.6R	30 51.449	-0.0000	17	-28 35 14.18	0.021	17	0.32	51.450	16	33.2	14.54	16	33.2	A3 J	13B	6206	J -28 7387
42		5.2H	30 54.216	-0.0020	02	-20 53 36.86	0.010	02	0.10	54.290	04	12.7	37.21	05	14.7	K0	F4	1247	-20 2936
43		8.6A	30 55.104	-0.0030	18	-20 29 39.32	-0.017	13	0.31	55.155	16	33.2	39.04	16	33.2	A5 J	13A	4259	A -20 2937
44		8.7R	30 56.165	-0.0005	18	-23 55 7.27	0.001	18	0.34	56.174	16	33.2	7.28	16	33.2	G0 J	14	7429	E -23 8490
45		9.1R	30 56.897	0.0024	15	-22 22 38.89	0.005	15	0.30	56.858	16	33.2	38.97	16	33.2	K2 J	14	7428	E -22 7355
46		9.1R	30 58.920	-0.0015	17	-29 6 29.43	0.013	17	0.32	58.945	16	33.2	29.66	16	33.2		13B	6207	J -28 7389
47		6.7T	30 59.630	-0.0012	12	-21 10 9.64	-0.009	12	0.61	59.686	15	02.4	9.17	15	99.9	A0	GC	13193	-20 2938
48		9.6R	31 0.349	0.0002	20	-23 24 6.33	0.024	20	0.37	0.345	16	33.2	6.74	16	33.2	K0 M	14	7430	E -23 8491
49		5.8T	31 9.457	-0.0038	08	-22 38 31.27	0.056	08	0.34	9.615	10	08.6	33.67	10	07.5	A0	GC	13201	-22 2645
50		9.6R	31 17.892	0.0026	18	-22 55 22.68	-0.001	18	0.34	17.849	16	33.2	22.67	16	33.2	G0 J	14	7433	E -22 7360
51		8.8R	9 31 19.578	0.0014	18	-22 20 57.09	-0.100	18	0.34	19.554	16	33.2	55.40	16	33.2	K5 J	14	7434	E -22 7361
52		9.2R	31 20.907	0.0024	18	-24 22 21.18	0.025	18	0.34	20.867	16	33.2	21.59	16	33.2	K0 M	14	7435	E -24 8211
53		9.6R	31 23.805	0.0007	20	-23 30 11.70	-0.036	20	0.37	23.792	16	33.2	11.09	16	33.2	K M	14	7436	E -23 8496
54		9.2R	31 24.002	-0.0035	20	-26 9 53.22	0.032	20	0.37	24.061	16	33.2	53.75	16	33.2	K0 M	14	7437	E -25 7299
55		8.8R	31 24.974	-0.0015	20	-29 15 2.96	0.028	20	0.37	24.998	16	33.2	3.44	16	33.2	F5 M	13B	6214	J -28 7394
56		8.5R	31 27.054	-0.0044	20	-25 31 13.11	0.005	20	0.37	27.128	16	33.2	13.20	16	33.2	K5 J	14	7438	E -25 7303
57		9.3R	31 33.812	0.0023	20	-29 10 51.04	0.031	20	0.37	33.774	16	33.2	51.57	16	33.2	K0 M	13B	6215	J -28 7396
58		9.3R	31 35.903	0.0006	12	-24 3 51.66	-0.013	12	0.26	35.893	16	33.2	51.44	16	33.2	K5 M	14	7439	E -23 8502
59		9.3R	31 37.231	-0.0007	20	-23 46 54.55	0.003	00	0.28	37.243	16	33.2	54.60	16	33.2		14	7441	E*-23 8504
60		9.3R	31 37.783	-0.0020	17	-29 6 44.98	0.056	17	0.32	37.817	16	33.2	45.93	16	33.2	F8 M	13B	6216	J -28 7399
61		8.4R	31 43.547	0.0014	17	-28 33 11.92	0.004	17	0.32	43.525	16	33.2	11.99	16	33.2	F8 J	13B	6217	J -28 7400
62		9.2R	31 44.558	-0.0010	15	-27 4 39.92	0.013	15	0.30	44.574	16	33.2	40.15	16	33.2	K0 M	14	7443	E -26 7203
63		9.1R	31 45.246	-0.0012	18	-24 34 34.92	-0.025	18	0.34	45.267	16	33.2	34.50	16	33.2	K0 M	14	7442	E -24 8215
64		9.0A	31 48.385	-0.0004	17	-21 2 58.14	0.002	13	0.30	48.392	16	33.2	58.17	16	33.2	K2 J	13A	4270	A -20 2942
65		9.0A	31 48.850	-0.0030	18	-20 50 42.86	-0.003	13	0.31	48.900	16	33.2	42.81	16	33.2	K0 J	13A	4271	A -20 2941
66		9.5R	31 49.623	-0.0009	15	-25 11 31.30	0.033	15	0.30	49.638	16	33.2	31.86	16	33.2	K M	14	7444	E -24 8217
67		8.1R	31 50.517	-0.0009	20	-29 30 55.49	0.016	20	0.37	50.532	16	33.2	55.76	16	33.2	A2 J	13B	6220	J -29 7579
68		9.6R	31 54.569	-0.0014	15	-25 2 6.98	0.033	15	0.30	54.592	16	33.2	7.54	16	33.2	F5 M	14	7446	E -24 8218
69		9.8R	31 55.506	-0.0034	20	-22 43 46.91	0.002	20	0.37	55.563	16	33.2	46.95	16	33.2	G M	14	7445	E -22 7371
70		9.0R	31 56.070	0.0002	20	-29 33 42.10	0.055	20	0.37	56.066	16	33.2	43.03	16	33.2	F0 M	13B	6223	J -29 7581
71		9.1R	31 56.165	-0.0007	20	-26 31 32.63	-0.014	20	0.37	56.177	16	33.2	32.40	16	33.2	K0 M	14	7447	E -26 7206
72		9.3R	31 56.491	-0.0048	20	-26 10 49.89	0.015	20	0.37	56.572	16	33.2	50.14	16	33.2	A2 M	14	7448	E -25 7311
73		8.8R	31 56.692	-0.0038	20	-29 40 43.26	0.032	20	0.37	56.757	16	33.2	43.80	16	33.2	A0 J	13B	6224	J -29 7582
74		9.0R	31 58.852	0.0004	12	-28 59 25.04	0.056	12	0.26	58.846	16	33.2	25.99	16	33.2	G0 M	13B	6225	J -28 7404
75		8.6R	32 0.070	-0.0003	17	-28 20 16.64	-0.011	17	0.32	0.075	16	33.2	16.46	16	33.2	K0 J	13B	6226	J -28 7403
76		8.6R	32 5.074	-0.0025	15	-27 46 9.33	-0.040	15	0.30	5.116	16	33.2	8.66	16	33.2	K0 M	13B	6227	J -27 6720
77		8.7R	32 7.483	-0.0052	20	-29 40 41.67	0.011	20	0.37	7.571	16	33.2	41.86	16	33.2	A0 J	13B	6228	J -29 7585
78		8.3R	32 10.200	-0.0050	15	-27 57 17.33	0.023	15	0.30	10.284	16	33.2	17.72	16	33.2	K0 J	13B	6230	J -27 6722
79		8.7A	32 11.160	-0.0015	18	-22 17 57.24	0.004	15	0.32	11.185	16	33.2	57.30	16	33.2	K0 J	13A	4275	A -21 2847
80		7.9R	32 12.159	-0.0036	18	-24 18 48.02	-0.000	18	0.34	12.219	16	33.2	48.01	16	33.2	A3 J	14	7450	E -23 8517
81		9.0R	32 14.042	-0.0026	18	-25 24 47.79	-0.025	18	0.34	14.086	16	33.2	47.37	16	33.2	G5 M	14	7452	E -25 7317
82		8.9A	32 17.258	0.0012	18	-21 25 57.52	-0.051	13	0.31	17.238	16	33.2	56.66	16	33.2	K2 J	13A	4276	A -21 2848
83		9.0R	32 17.671	0.0006	20	-26 57 9.01	0.062	20	0.37	17.661	16	33.2	10.06	16	33.2	K0 J	14	7453	E -26 7214
84		6.6Q	32 23.041	0.0035	17	-20 52 32.17	-0.147	14	0.71	22.891	18	07.2	25.36	17	03.8	G5	GC	13233	-20 2948
85		9.0R	32 24.839	-0.0103	18	-24 55 26.79	0.000	18	0.34	25.012	16	33.2	26.79	16	33.2	G5 J	14	7455	E -24 8226
86		9.2R	32 25.905	0.0005	13	-22 48 15.94	-0.011	13	0.28	25.896	16	33.2	15.77	16	33.2	F8 J	14	7454	E -22 7383
87		8.3R	32 26.135	-0.0028	18	-25 41 14.89	0.012	18	0.34	26.183	16	33.2	15.10	16	33.2	G5 J	14	7456	E -25 7322
88		9.1R	32 26.564	-0.0003	13	-28 41 18.11	0.046	13	0.28	26.570	16	33.2	18.89	16	33.2	K M	13B	6235	J -28 7410
89		9.4R	32 27.219	-0.0000	18	-25 6 16.87	-0.007	18	0.34	27.219	16	33.2	16.75	16	33.2	A2 M	14	7457	E -24 8228
90		9.1R	32 28.628	0.0025	17	-28 47 7.98	0.007	17	0.32	28.586	16	33.2	8.10	16	33.2	K M	13B	6236	J -28 7411
91		8.8R	32 29.571	-0.0012	20	-26 50 43.19	0.012	20	0.37	29.591	16	33.2	43.40	16	33.2	F5 J	14	7460	E -26 7218
92		9.0R	32 29.752	0.0164	18	-23 58 3.20	-0.103	18	0.34	29.475	16	33.2	1.46	16	33.2	K0 J	14	7459	E -23 8520
93		8.7R	32 34.892	-0.0028	17	-29 52 16.43	0.015	17	0.32	34.939	16	33.2	16.68	16	33.2	F2 J	13B	6237	J -29 7594
94		9.7R	32 41.308	-0.0045	20	-23 13 45.23	-0.006	20	0.37	41.383	16	33.2	45.14	16	33.2		14	7461	E -22 7388
95		8.7R	32 41.518	-0.0004	20	-28 9 15.47	-0.051	20	0.37	41.526	16	33.2	14.62	16	33.2	F5 J	13B	6238	J -27 6727
96		8.5R	32 44.677	-0.0028	17	-28 39 14.76	0.011	17	0.32	44.725	16	33.2	14.95	16	33.2	A0 J	13B	6239	J -28 7417
97		9.6R	32 46.731	-0.0003	18	-24 9 8.37	-0.006	18	0.34	46.736	16	33.2	8.26	16	33.2	K M	14	7462	E -23 8527
98		9.1R	32 48.865	-0.0029	15	-26 35 20.34	0.001	15	0.30	48.913	16	33.2	20.36	16	33.2	M M	14	7464	E -26 7228
99		9.3R	32 49.746	0.0019	18	-23 10 2.68	0.005	18	0.34	49.714	16	33.2	2.77	16	33.2	K5 J	14	7463	E -22 7391
00		8.8R	32 51.428	-0.0016	20	-27 7 44.65	0.028	20	0.37	51.455	16	33.2	45.13	16	33.2	A5 J	14	7466	E -26 7229

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NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	α_{1950} h m s	μ s	σ_μ ″ .001	δ_{1950} ° ′ ″	μ' ″	σ'_μ ″ .001	σ_{1950} ″	α_2 s	σ .01	ep.	δ_2 ″	σ' .01	ep.	SP.	CAT.	STAR NUMBER	DM NUMBER
1		9.0R	9 32 52.909	-0.0029	18	-22 49 11.35	0.020	18	0.34	52.959	16	33.2	11.70	16	33.2	G5 J	14	7465	E -22 7393
2		8.7R	32 56.243	-0.0069	15	-23 37 14.85	0.044	15	0.30	56.359	16	33.2	15.59	16	33.2	G0 J	14	7467	E -23 8529
3		9.3R	33 0.896	-0.0018	17	-29 53 45.85	0.045	17	0.32	0.927	16	33.2	46.61	16	33.2	G0 M	13B	6243	J -29 7600
4		9.1R	33 1.777	-0.0037	20	-22 36 14.23	-0.028	20	0.37	1.840	16	33.2	13.76	16	33.2	G5 M	14	7468	E -22 7394
5		8.7R	33 2.243	-0.0029	15	-23 13 24.18	0.004	15	0.30	2.293	16	33.2	24.26	16	33.2	F5 J	14	7470	E -22 7396
6		8.9R	33 2.345	0.0055	18	-22 56 36.35	-0.004	18	0.34	2.252	16	33.2	38.29	16	33.2	K0 J	14	7469	E -22 7395
7		7.2R	33 7.683	-0.0059	18	-22 27 42.14	-0.037	18	0.34	7.782	16	33.2	41.51	16	33.2	K0 J	14	7471	E -22 7398
8		8.5R	33 9.134	-0.0035	18	-22 57 19.00	0.028	18	0.34	9.192	16	33.2	19.48	16	33.2	F0 J	14	7472	E -22 7399
9		9.1R	33 16.397	-0.0011	20	-26 29 29.95	-0.000	20	0.37	16.415	16	33.2	29.94	16	33.2		14	7473	E -26 7238
10		8.9R	33 17.117	0.0009	21	-26 28 55.21	0.048	21	0.39	17.102	16	33.2	56.01	16	33.2	K0 J	14	7474	E -26 7240
11		8.8R	33 17.599	-0.0041	15	-25 50 57.67	0.041	15	0.30	17.668	16	33.2	58.35	16	33.2	K0 J	14	7475	E -25 7334
12		9.3R	33 18.603	-0.0005	17	-28 29 17.88	-0.003	12	0.29	18.612	16	33.2	17.83	16	33.2	F5 M	13B	6246	J -28 7427
13		8.5A	33 20.789	0.0025	15	-20 46 46.73	-0.034	11	0.27	20.747	16	33.2	46.15	16	33.2	G0 J	13A	4288	A -20 2952
14		8.9A	33 22.731	0.0015	18	-22 16 59.19	-0.012	13	0.31	22.710	16	33.2	58.99	16	33.2	M0 J	13A	4289	A -21 2853
15		9.4R	33 26.405	-0.0022	18	-25 7 21.87	0.022	18	0.34	26.443	16	33.2	22.24	16	33.2	F5 M	14	7477	E -24 8245
16		9.6R	33 31.304	-0.0021	18	-24 46 38.32	-0.071	18	0.34	31.340	16	33.2	37.13	16	33.2	A2 M	14	7478	E -24 8246
17		9.2R	33 31.691	-0.0027	18	-25 39 25.84	0.026	18	0.34	31.736	16	33.2	26.27	16	33.2	K0 M	14	7479	E -25 7335
18		9.1R	33 32.800	-0.0000	18	-24 37 46.86	-0.009	18	0.34	32.800	16	33.2	46.71	16	33.2	A0 J	14	7480	E -24 8247
19		8.6A	33 40.017	-0.0012	17	-20 19 43.21	0.005	13	0.30	40.037	16	33.2	43.30	16	33.2	K5 J	13A	4291	A -19 2753
20		8.8T	33 44.053	-0.0032	17	-29 11 10.96	-0.006	15	0.81	44.206	21	01.9	10.67	21	00.3	K0	GC	13264	C -28 7439
21		8.4R	33 48.281	-0.0002	18	-25 41 27.99	-0.030	18	0.34	48.283	16	33.2	27.47	16	33.2	M0 M	14	7482	E -25 7341
22		7.5T	33 49.775	-0.0036	12	-27 17 50.16	0.022	11	0.62	49.964	18	98.0	51.38	18	95.4	A0	GC	13268K	C* -26 7251
23		7.8R	33 55.756	0.0009	18	-25 44 14.91	-0.013	18	0.34	55.742	16	33.2	14.68	16	33.2	K5 J	14	7483	E -25 7343
24		8.9A	33 57.026	-0.0040	13	-20 10 4.15	0.008	09	0.26	57.093	18	33.1	4.29	16	33.1	F8 J	12B	4293	A -19 2755
25		8.0A	33 58.446	-0.0008	18	-21 46 21.32	-0.026	13	0.31	58.460	16	33.2	20.88	16	33.2	A3 J	13A	4294	A -21 2859
26		9.1R	34 0.000	-0.0032	20	-27 52 0.47	-0.018	20	0.37	0.054	16	33.2	0.17	16	33.2	F5 M	13B	6257	J -27 6750
27		8.2A	34 1.204	-0.0026	18	-20 39 45.66	-0.049	15	0.32	1.248	16	33.2	44.83	16	33.2	K0 J	13A	4295	A -20 2955
28		8.0A	34 4.164	-0.0008	13	-21 14 22.87	0.006	09	0.25	4.177	16	33.2	22.97	16	33.2	A2 J	13A	4296	A -20 2956
29		10.0R	34 5.279	0.0002	20	-23 1 6.42	0.015	20	0.37	5.276	16	33.2	6.68	16	33.2	G M	14	7484	E -22 7412
30		9.1R	34 5.456	-0.0034	15	-25 21 42.20	0.013	15	0.30	5.514	16	33.2	42.42	16	33.2	K0 M	14	7485	E -25 7345
31		9.4R	34 8.497	-0.0003	18	-22 26 38.49	0.006	15	0.32	8.503	16	33.2	38.59	16	33.2	F2 J	14	7487	E -22 7414
32		8.6R	34 14.964	0.0045	18	-24 0 14.86	-0.065	18	0.34	14.888	16	33.2	13.76	16	33.2	G0 J	14	7488	E -23 8550
33		8.8A	34 15.060	-0.0007	18	-22 12 19.17	0.019	13	0.31	15.072	16	33.2	19.49	16	33.2	K0 J	13A	4298	A -21 2861
34		9.4R	34 15.883	-0.0001	15	-26 44 56.33	0.004	15	0.30	15.884	16	33.2	56.40	16	33.2	A0 M	14	7489	E -26 7260
35		8.3R	34 16.323	0.0030	12	-29 4 53.46	-0.014	12	0.26	16.273	16	33.2	53.23	16	33.2	F8 J	13B	6261	J -28 7448
36		7.8R	34 16.605	-0.0004	15	-27 5 45.22	0.025	15	0.30	16.611	16	33.2	45.65	16	33.2	K0 J	14	7491	E -26 7262
37		8.6R	34 17.505	-0.0047	17	-27 51 55.93	-0.001	17	0.32	17.585	16	33.2	55.92	16	33.2	K0 J	13B	6262	J -27 6757
38		6.5T	34 18.414	-0.0090	11	-24 28 43.67	0.056	10	0.57	18.883	15	98.2	46.63	15	96.9	F2	GC	13278	C -24 8263
39		9.3R	34 18.708	0.0010	18	-24 14 18.56	-0.008	18	0.34	18.692	16	33.2	18.42	16	33.2	G5 M	14	7490	E -23 8552
40		7.9R	34 19.033	-0.0038	17	-27 44 18.22	-0.026	17	0.32	19.097	16	33.2	17.79	16	33.2	A2 J	13B	6263	J -27 6758
41		9.4R	34 23.071	-0.0035	20	-22 43 52.06	-0.077	20	0.37	23.130	16	33.2	50.77	16	33.2	K M	14	7493	E -22 7417
42		9.8R	34 28.432	0.0052	20	-22 33 57.33	-0.067	20	0.37	28.344	16	33.2	56.21	16	33.2	G M	14	7494	E -22 7419
43		9.1R	34 35.265	0.0002	15	-24 16 32.75	-0.002	15	0.30	35.262	16	33.2	32.72	16	33.2	F5 J	14	7495	E -23 8554
44		9.0R	34 37.066	0.0013	17	-27 49 0.03	0.013	17	0.32	37.045	16	33.2	0.25	16	33.2	K0 M	13B	6267	J -27 6763
45		9.2R	34 38.430	0.0043	18	-24 7 17.57	0.010	18	0.34	38.357	16	33.2	17.73	16	33.2	G5 M	14	7496	E -23 8555
46		7.8T	34 38.931	0.0007	16	-26 37 58.21	-0.012	13	0.77	38.898	19	00.6	57.61	19	98.1	K2	GC	13285	C -26 7269
47		9.1A	34 40.605	-0.0021	13	-21 20 58.00	-0.008	09	0.25	40.641	16	33.2	57.86	16	33.2	A3 J	13A	4300	A -20 2960
48		5.9T	34 45.154	-0.0048	07	-25 4 19.28	0.039	07	0.31	45.366	09	05.7	21.05	10	05.0	K0	GC	13287	C* -24 8272
49		8.8R	34 48.158	0.0012	18	-24 59 24.25	0.027	18	0.34	48.137	16	33.2	24.71	16	33.2	F2 J	14	7499	E -24 8273
50		8.1A	34 48.623	-0.0006	18	-21 10 30.99	0.025	13	0.31	48.633	16	33.2	31.41	16	33.2	A0 J	13A	4301	A -20 2961
51		9.4R	9 34 49.210	0.0019	18	-24 41 0.95	0.004	18	0.34	49.178	16	33.2	1.02	16	33.2	F8 M	14	7500	E -24 8274
52		8.3R	34 49.894	-0.0063	18	-25 52 0.24	0.019	18	0.34	50.000	16	33.2	0.57	16	33.2	G5 J	14	7501	E -25 7356
53		9.2A	35 1.611	-0.0007	15	-22 19 2.27	0.011	12	0.28	1.623	16	33.2	2.45	16	33.2	M0 J	13A	4302	A -21 2866
54		7.5T	35 3.160	0.0001	13	-29 59 7.56	-0.021	11	0.66	3.153	19	00.3	6.42	18	95.9	A2	GC	13294	C -29 7637
55		9.2T	35 3.326	-0.0007	15	-29 10 47.02	-0.005	12	0.73	3.361	19	99.6	46.76	18	95.7	A0	GC	13295	C -28 7460
56		8.2R	35 3.522	-0.0100	15	-28 17 28.44	0.012	15	0.30	3.690	16	33.2	28.65	16	33.2	A5 J	13B	6273	J -27 6771
57		9.1R	35 4.583	0.0018	13	-23 27 32.99	-0.054	13	0.28	4.553	16	33.2	32.09	16	33.2	G0 M	14	7502	E -23 8561
58		9.2R	35 7.150	-0.0008	17	-28 35 2.01	0.005	17	0.32	7.163	16	33.2	2.10	16	33.2	A0 M	13B	6276	J -28 7461
59		8.9R	35 7.946	-0.0006	17	-28 31 39.24	0.002	17	0.32	7.957	16	33.2	39.28	16	33.2	F5 M	13B	6277	J -28 7462
60		8.7R	35 11.595	-0.0012	20	-28 3 23.44	-0.019	20	0.37	11.616	16	33.2	23.12	16	33.2	G5 M	13B	6280	J -27 6775
61		9.0R	35 12.169	-0.0028	20	-29 10 24.98	0.047	20	0.37	12.216	16	33.2	25.78	16	33.2	F0 M	13B	6282	J -28 7463
62		9.6R	35 14.667	-0.0015	18	-22 34 23.42	0.012	18	0.34	14.692	16	33.2	23.63	16	33.2	K M	14	7503	E -22 7430
63		8.3R	35 17.300	-0.0013	12	-28 25 57.10	0.003	12	0.26	17.322	16	33.2	57.16	16	33.2	K0 J	13B	6283	J -28 7465
64		7.1T	35 17.650	-0.0012	13	-29 34 35.76	-0.025	10	0.63	17.708	15	00.1	34.39	18	95.3	K0	GC	13302	C -29 7641
65		9.6R	35 18.681	0.0007	18	-25 36 19.31	-0.012	18	0.34	18.670	16	33.2	19.10	16	33.2	G5 M	14	7505	E -25 7359
66		9.0R	35 20.720	-0.0016	18	-23 0 29.54	0.026	18	0.34	20.746	16	33.2	29.99	16	33.2	K7 J	14	7504	E -22 7433
67		9.5R	35 34.479	0.0025	18	-24 12 33.65	0.006	18	0.34	34.437	16	33.2	33.75	16	33.2	M M	14	7506	E -23 8570
68		9.4R	35 36.240	-0.0023	18	-26 35 46.74	0.008	18	0.34	36.278	16	33.2	46.88	16	33.2	K0 M	14	7509	E -26 7281
69		9.6R	35 39.890	-0.0022	18	-27 0 10.39	-0.015	18	0.34	39.927	16	33.2	10.14	16	33.2	F5 M	14	7511	E -26 7284
70		8.7R	35 40.168	0.0027	18	-25 42 30.22	-0.006	18	0.34	40.122	16	33.2	30.11	16	33.2	K0 J	14	7510	E -25 7366
71		9.1A	35 42.120	0.0010	15	-21 24 26.78	-0.109	11	0.27	42.104	16	33.2	24.94	16	33.2	F5 J	13A	4306	A -20 2964
72		8.9A	35 45.461	-0.0012	17	-21 9 32.05	0.004	12	0.29	45.481	16	33.2	32.11	16	33.2	M0 J	13A	4307	A -20 2965
73		8.8R	35 48.206	-0.0044	12	-27 43 57.62	0.021	12	0.26	48.280	16	33.2	57.98	16	33.2	A5 M	13B	6290	J -27 6781
74		8.4R	35 57.001	0.0037	18	-26 8 52.94	-0.056	18	0.34	56.939	16	33.2	52.01	16	33.2	G5 J	14	7512	E -25 7371
75		9.1R	35 57.905	-0.0034	17	-29 42 4.95	0.029	17	0.32	57.963	16	33.2	5.44	16	33.2	F8 M	13B	6291	J -29 7652
76		8.6A	36 1.076	-0.0008	17	-20 18 45.50	0.015	13	0.30	1.089	16	33.2	45.76	16	33.2	A2 J	13A	4311K	A -19 2767
77		8.9A	36 6.563	0.0016	17	-21 8 12.75	0.033	13	0.30	6.536	16	33.2	13.30	16	33.2	M1 J	13A	4312	A -20 2968
78		9.2R	36 10.769	-0.0016	18	-25 45 25.06	0.000	18	0.34	10.797	16	33.2	23.07	16	33.2	G5 J	14	7514	E -25 7373
79		8.6A	36 12.642	-0.0020	18	-20 42 5.12	-0.007	13	0.31	12.675	16	33.2	5.00	16	33.2	A2 J	13A	4313	A -20 2969
80		9.0R	36 14.469	-0.0002	12	-28 20 55.76	-0.004	12	0.26	14.473	16	33.2	55.70	16	33.2	F8 M	13B	6293	J -28 7485
81		8.5T	36 16.782	-0.0047	18	-27 45 33.62	-0.033	16	0.85	17.001	22	03.4	32.02	21	01.0	A0	GC	13324	C -27 6788
82		9.6R	36 22.336	-0.0028	18	-23 35 42.53	-0.010	18	0.34	22.386	16	33.2	42.36	16	33.2	K0 M	14	7516	E -23 8582
83		9.1R	36 25.154	-0.0025	15	-26 50 12.11	0.012	15	0.30	25.195	16	33.2	12.32	16	33.2	F5 M	14	7520	E -26 7298
84		9.1R	36 26.575	0.0005	18	-24 11 26.34	0.019	18	0.34	26.568	16	33.2	26.65	16	33.2	G5 M	14	7519	E -23 8584
85		9.0R	36 35.454	-0.0010	18	-24 46 21.30	-0.008	18	0.34	35.471	16	33.2	21.17	16	33.2	F8 J	14	7521	E -24 8302
86		9.3R	36 36.736	-0.0005	17	-29 19 13.15	0.044	17	0.32	36.744	16	33.2	13.90	16	33.2	K0 M	13B	6296	J -28 7489
87		9.0R	36 37.650	-0.0004	18	-22 44 19.08	0.029	18	0.34	37.657	16	33.2	19.58	16	33.2	F5 J	14	7522	E -22 7453
88		9.4R	36 39.856	-0.0019	15	-24 20 3.41	-0.009	15	0.30	39.888	16	33.2	3.25	16	33.2	F5 M	14	7523	E -24 8305
89		8.6A	36 40.559	-0.0008	15	-21 4 10.85	0.030	11	0.27	40.572	16	33.2	11.35	16	33.2	K7 J	13A	4315	A -20 2972
90		9.3R	36 41.470	-0.0001	17	-29 46 18.64	0.015	17	0.32	41.471	16	33.2	18.89	16	33.2	G M	13B	6297	J -29 7664
91		9.0R	36 43.174	0.0065	12	-28 35 36.12	-0.088	12	0.26	43.065	16	33.2	34.64	16	33.2	G5 M	13B	6298	J -28 7492
92		9.6R	36 44.996	-0.0019	20	-22 52 10.08	0.037	20	0.37	45.027	16	33.2	10.71	16	33.2	G M	14	7524	E -22 7454
93		9.2R	36 45.795	0.0009	17	-26 24 45.34	0.111	17	0.32	45.780	16	33.2	47.22	16	33.2	K0 M	13B	6301	J -28 7495
94		8.8R	36 45.990	0.0000	15	-23 46 39.05	-0.014	15	0.30	45.990	16	33.2	38.81	16	33.2	K M	14	7525	E -23 8588
95		7.2R	36 48.774	-0.0004	18	-22 52 7.03	0.002	18	0.34	48.781	16	33.2	7.07	16	33.2	B9 J	14	7527	E -22 7456
96		9.2R	36 50.826	0.0002	18	-27 3 40.66	0.011	18	0.34	50.822	16	33.2	40.85	16	33.2	F5 M	14	7528	E -26 7300
97		9.0R	36 56.058	-0.0007	18	-26 34 22.51	0.012	18	0.34	56.069	16	33.2	22.72	16	33.2	K0 M	14	7529	E -26 7301
98		9.4R	37 2.220	-0.0003	18	-26 41 52.95	-0.015	18	0.34	2.225	16	33.2	52.70	16	33.2	K0 M	14	7531	E -26 7305
99		9.1A	37 2.924	-0.0008	13	-20 59 27.48	-0.011	09	0.25	2.938	16	33.2	27.29	16	33.2	K5 J	13A	4317	A -20 2974
00		9.3R	37 12.500	-0.0013	15	-25 35 59.99	-0.020	15	0.30	12.522	16	33.2	59.64	16	33.2	K0 M	14	7534	E -25 7381

177800

EPOCH 1950 — ORIGINAL EPOCH — SOURCE — -20° 9H

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	CAT.	STAR NUMBER	DM NUMBER
1		9.5R	9 37 13.652	0.0002	16	-23 53 54.54	-0.006	18	0.34	13.649	16	33.2	54.43	16	33.2	A2 M	14	7533	E -23 8594
2		9.1R	37 15.559	-0.0025	17	-28 43 8.28	-0.019	17	0.32	15.602	16	33.2	7.96	16	33.2	GO M	13B	6303	J -28 7504
3		9.1R	37 19.892	0.0015	18	-23 7 41.08	0.013	18	0.34	19.867	16	33.2	41.31	16	33.2	K5 J	14	7535	E -22 7463
4		8.7A	37 21.558	-0.0028	18	-20 23 28.70	0.002	15	0.32	21.604	16	33.2	28.74	16	33.2	K0 J	13A	4320	A -19 2774
5		8.9R	37 21.709	-0.0038	17	-29 21 17.66	0.034	17	0.32	21.773	16	33.2	18.24	16	33.2	F8 J	13B	6305	J -29 7676
6		9.3R	37 23.052	-0.0010	18	-24 19 24.48	-0.012	18	0.34	23.069	16	33.2	24.27	16	33.2	A3 J	14	7536	E -23 8599
7		9.0R	37 24.411	-0.0017	12	-27 31 14.71	0.004	12	0.26	24.440	16	33.2	14.79	16	33.2	K2 M	13B	6306	J -27 6807
8		7.7R	37 25.173	-0.0004	17	-29 38 39.64	0.017	17	0.32	25.179	16	33.2	39.93	16	33.2	K0 J	13B	6308	J -29 7678
9		8.9R	37 25.727	-0.0022	20	-27 45 26.78	-0.026	20	0.37	25.764	16	33.2	26.35	16	33.2	K0 M	13B	6307	J -27 6808
10		9.0R	37 26.665	-0.0050	17	-27 52 16.44	-0.021	17	0.32	26.749	16	33.2	16.09	16	33.2	K0 M	13B	6309	J -27 6809
11		9.0R	37 35.415	-0.0029	18	-24 26 51.66	0.006	18	0.34	35.464	16	33.2	51.76	16	33.2	F2 J	14	7538	E -24 8314
12		9.5R	37 35.871	0.0003	18	-23 29 55.89	-0.002	18	0.34	35.866	16	33.2	55.87	16	33.2	K0 M	14	7537	E -23 8604
13		9.2R	37 36.302	-0.0006	18	-23 56 38.33	0.027	18	0.34	36.313	16	33.2	38.78	16	33.2	K0 M	14	7540	E -23 8605
14		7.7R	37 36.722	0.0002	12	-28 41 7.31	-0.001	12	0.26	36.718	16	33.2	7.30	16	33.2	K5 J	13B	6312	J -28 7510
15		9.5R	37 37.062	-0.0007	18	-22 58 23.52	0.005	18	0.34	37.074	16	33.2	23.61	16	33.2	K0 M	14	7539	E -22 7466
16		9.2A	37 45.706	-0.0024	15	-20 22 54.66	-0.010	11	0.27	45.746	16	33.2	54.50	16	33.2	K7 J	13A	4325	A -19 2777
17		9.2R	37 48.376	-0.0024	18	-26 41 59.54	0.009	18	0.34	48.416	16	33.2	59.70	16	33.2	F0 M	14	7543	E -26 7319
18		9.3R	37 48.539	-0.0042	15	-26 4 42.21	0.036	15	0.30	48.610	16	33.2	42.82	16	33.2	K0 M	14	7542	E -25 7392
19		8.7R	37 50.346	-0.0050	17	-24 46 21.49	0.016	17	0.32	50.430	16	33.2	21.76	16	33.2	K0 M	14	7544	E -24 8321
20		9.1A	37 50.475	-0.0038	18	-20 48 46.51	-0.009	13	0.31	50.539	16	33.2	46.36	16	33.2	K2 J	13A	4326	A -20 2978
21		9.7R	37 53.160	-0.0007	20	-23 17 55.97	0.004	20	0.37	53.172	16	33.2	56.04	16	33.2	K0 M	14	7545	E -22 7472
22		9.3R	37 53.182	-0.0007	15	-28 6 1.52	-0.010	15	0.30	53.193	16	33.2	1.35	16	33.2	G M	13B	6316	J -27 6815
23		9.2R	37 59.185	-0.0008	18	-22 32 24.10	-0.054	18	0.34	59.198	16	33.2	23.20	16	33.2	K0 J	14	7546	E -22 7475
24		8.4R	38 14.017	-0.0034	18	-26 34 59.20	-0.018	18	0.34	14.074	16	33.2	58.90	16	33.2	F2 J	14	7548	E -26 7327
25		8.5R	38 15.427	-0.0016	18	-23 7 29.31	0.002	18	0.34	15.454	16	33.2	29.35	16	33.2	K5 J	14	7547	E -22 7477
26		8.9R	38 16.445	-0.0012	12	-29 19 4.34	0.001	12	0.26	16.465	16	33.2	4.36	16	33.2	G5 J	13B	6318	J -28 7523
27		8.8R	38 17.915	0.0002	18	-26 5 11.87	0.022	18	0.34	17.911	16	33.2	12.24	16	33.2	A0 J	14	7549	E -25 7396
28		8.5A	38 19.670	-0.0060	17	-21 21 14.49	0.011	13	0.30	19.771	16	33.2	14.67	16	33.2	K0 J	13A	4331	A -20 2981
29		9.0A	38 24.294	-0.0011	17	-21 1 44.68	0.005	13	0.30	24.313	16	33.2	44.76	16	33.2	F8 J	13A	4332	A -20 2982
30		9.5R	38 29.477	0.0007	20	-23 41 46.22	0.013	20	0.37	29.466	16	33.2	46.44	16	33.2	K0 M	14	7552	E -23 8614
31		9.4R	38 30.655	0.0047	20	-22 22 38.13	-0.002	20	0.37	30.575	16	33.2	38.09	16	33.2	K2 J	14	7551	E -22 7482
32		9.6R	38 33.316	0.0025	20	-23 59 10.85	0.038	20	0.37	33.274	16	33.2	11.48	16	33.2	G0 M	14	7553	E -23 8616
33		8.3R	38 40.424	0.0007	15	-23 55 25.78	-0.011	15	0.30	40.413	16	33.2	25.59	16	33.2	B8 J	14	7554	E -23 8619
34		8.5R	38 41.218	-0.0007	12	-28 37 9.33	0.018	12	0.26	41.230	16	33.2	9.64	16	33.2	K5 J	13B	6323	J -28 7525
35		9.2A	38 42.783	-0.0027	18	-21 5 30.75	0.004	13	0.31	42.828	16	33.2	30.82	16	33.2	M0 J	13A	4334	A -20 2983
36		9.1R	38 46.831	-0.0037	17	-29 42 36.24	0.037	17	0.32	46.894	16	33.2	36.86	16	33.2	A J	13B	6325	J -29 7699
37		8.5R	38 49.923	-0.0034	12	-27 37 26.63	-0.009	12	0.26	49.980	16	33.2	26.48	16	33.2	K0 J	13B	6326	J -27 6828
38		8.8R	38 54.908	-0.0061	18	-23 41 23.22	-0.148	18	0.34	55.011	16	33.2	20.72	16	33.2	G5 J	14	7555	E -23 8622
39		9.7R	38 55.985	-0.0015	20	-23 56 14.95	-0.013	20	0.37	56.011	16	33.2	14.73	16	33.2	K5 M	14	7556	E -23 8623
40		4.7T	38 59.997	-0.0023	06	-23 21 48.43	-0.008	07	0.27	+ 0.090	09	10.0	48.13	09	10.4	B2P	GC	13573K	B*-22 2684
41		8.9R	39 2.938	-0.0008	12	-29 43 58.49	0.020	12	0.26	2.951	16	33.2	58.83	16	33.2	A3 J	13B	6328	J -29 7705
42		9.0R	39 5.829	0.0011	17	-28 57 3.61	-0.014	17	0.32	5.810	16	33.2	3.38	16	33.2	F8 M	13B	6329	J -28 7531
43		9.4R	39 8.894	0.0009	18	-26 41 38.97	-0.025	18	0.34	8.879	16	33.2	38.55	16	33.2	A0 M	14	7559	E -26 7342
44		9.0A	39 9.337	0.0036	18	-21 33 46.49	-0.015	13	0.31	9.276	16	33.2	46.24	16	33.2	F5 J	13A	4335	A -21 2882
45		8.5R	39 17.537	0.0008	15	-25 40 4.10	0.009	15	0.30	17.523	16	33.2	4.24	16	33.2	F0 J	14	7560	E -25 7411
46		9.3A	39 18.559	-0.0015	17	-21 16 3.32	0.031	12	0.29	18.584	16	33.2	3.84	16	33.2	F2 J	13A	4336	A -20 2986
47		9.5R	39 21.896	0.0027	18	-23 59 3.05	-0.003	18	0.34	21.850	16	33.2	2.99	16	33.2	K2 J	14	7561	E -23 8633
48		9.2R	39 22.159	-0.0005	12	-29 8 44.77	-0.034	12	0.26	22.167	16	33.2	44.20	16	33.2	A5 J	13B	6330	J -28 7536
49		9.0R	39 23.495	0.0019	15	-24 20 17.27	-0.010	15	0.30	23.464	16	33.2	17.11	16	33.2	K0 M	14	7562	E -23 8634
50		9.3A	39 24.117	-0.0022	18	-21 7 37.94	-0.021	13	0.31	24.154	16	33.2	37.59	16	33.2	G0 J	13A	4337	A -20 2988
51		9.4R	9 39 25.198	-0.0011	17	-29 8 57.79	0.041	17	0.32	25.217	16	33.2	58.49	16	33.2	G0 M	13B	6331	J -28 7537
52		8.6A	39 25.338	0.0005	13	-20 7 14.09	0.004	11	0.26	25.329	18	33.1	14.16	16	33.1	K0 J	12B	4338	A -19 2785
53		8.5R	39 26.857	-0.0090	18	-25 44 10.29	0.005	18	0.34	27.008	16	33.2	10.37	16	33.2	F8 J	14	7563	E -25 7415
54		9.1R	39 33.178	0.0023	18	-23 0 32.03	0.010	18	0.34	33.139	16	33.2	32.21	16	33.2	K5 J	14	7564	E -22 7497
55		9.3R	39 38.684	-0.0026	20	-28 15 42.63	-0.039	20	0.37	38.729	16	33.2	41.98	16	33.2	G0 M	13B	6334	J -27 6843
56		9.2R	39 39.104	-0.0046	20	-27 39 46.62	-0.014	20	0.37	39.181	16	33.2	46.39	16	33.2	K0 M	13B	6333	J -27 6842
57		8.8R	39 39.460	-0.0018	12	-29 51 34.88	-0.018	12	0.26	39.490	16	33.2	34.58	16	33.2	A2 J	13B	6335	J -29 7711
58		8.5A	39 41.134	-0.0011	17	-20 41 26.92	0.014	12	0.29	41.153	16	33.2	27.15	16	33.2	K0 J	13A	4341	A -20 2990
59		9.5R	39 41.977	-0.0025	18	-26 31 40.37	0.052	18	0.34	42.018	16	33.2	41.25	16	33.2	G5 M	14	7567	E -26 7349
60		8.3R	39 44.517	-0.0003	18	-24 2 40.33	0.008	18	0.34	44.523	16	33.2	40.47	16	33.2	B9 J	14	7568	E -23 8639
61		9.3R	39 45.847	-0.0008	18	-25 22 47.99	-0.003	18	0.34	45.860	16	33.2	47.95	16	33.2	K0 M	14	7570	E -25 7420
62		9.5R	39 50.197	0.0019	18	-24 30 8.57	0.024	18	0.34	50.165	16	33.2	8.98	16	33.2	F8 M	14	7571	E -24 8364
63		8.2R	39 51.094	-0.0011	18	-23 28 46.92	-0.035	18	0.34	51.113	16	33.2	46.34	16	33.2	F0 J	14	7572	E -23 8641
64		9.3R	39 55.582	-0.0014	18	-23 25 55.32	-0.015	18	0.34	55.606	16	33.2	55.58	16	33.2	K M	14	7573	E -23 8643
65		9.2R	39 57.309	-0.0067	18	-24 2 2.98	-0.008	18	0.34	57.422	16	33.2	2.84	16	33.2	F8 M	14	7574	E -23 8645
66		5.0T	39 58.928	-0.0291	06	-23 41 25.44	0.255	07	0.27	+ 0.082	07	10.4	35.51	09	10.5	G0	GC	13394	C*-23 8646
67		8.8R	40 2.740	0.0008	18	-24 11 48.86	0.018	18	0.34	2.726	16	33.2	49.16	16	33.2	K2 J	14	7576	E -24 8647
68		8.3A	40 3.460	0.0020	17	-20 14 56.67	0.037	13	0.31	3.425	18	33.1	57.30	16	33.1	K2 J	12B	4343	A -19 2790
69		7.9R	40 5.845	-0.0030	12	-28 0 24.33	0.009	12	0.26	5.896	16	33.2	24.49	16	33.2	K2 J	13B	6338	J -27 6852
70		8.2A	40 8.773	-0.0059	13	-20 54 17.26	-0.056	09	0.25	8.872	16	33.2	16.31	16	33.2	F8 J	13A	4344	A -20 2992
71		9.4R	40 12.377	-0.0011	18	-23 11 29.41	0.002	18	0.34	12.396	16	33.2	29.45	16	33.2	A0 J	14	7577	E -22 7508
72		8.9R	40 12.989	0.0019	15	-27 12 41.08	0.012	15	0.30	12.957	16	33.2	41.29	16	33.2	K0 J	14	7578	E -26 7354
73		8.8R	40 16.095	-0.0000	18	-26 10 38.06	-0.046	18	0.34	16.096	16	33.2	37.28	16	33.2	G0 M	14	7580	E -25 7425
74		9.1R	40 16.704	-0.0019	18	-22 39 23.49	-0.009	18	0.34	16.735	16	33.2	23.35	16	33.2	M M	14	7579	E -22 7509
75		9.1R	40 24.982	-0.0067	15	-23 4 7.60	0.063	15	0.30	25.095	16	33.2	8.67	16	33.2	G0 J	14	7581	E -22 7511
76		9.6R	40 26.525	-0.0013	18	-22 52 57.31	0.003	18	0.34	26.547	16	33.2	57.37	16	33.2	K0 M	14	7582	E -22 7512
77		8.7A	40 26.825	-0.0033	15	-20 45 18.30	0.004	11	0.27	26.880	16	33.2	18.37	16	33.2	K0 J	13A	4347	A -20 2993
78		8.9R	40 31.702	-0.0019	12	-26 53 11.21	0.007	12	0.26	31.734	16	33.2	11.35	16	33.2	K0 J	14	7584	E -26 7360
79		7.6R	40 33.480	-0.0094	18	-22 44 11.51	0.022	18	0.34	33.639	16	33.2	11.89	16	33.2	F2 J	14	7583	E -22 7514
80		9.2R	40 36.261	-0.0051	12	-28 11 2.56	-0.009	12	0.26	36.346	16	33.2	2.41	16	33.2	G0 M	13B	6339	J -27 6861
81		9.1R	40 37.710	0.0016	12	-23 4 2.84	0.011	12	0.26	37.683	16	33.2	3.03	16	33.2	G5 J	14	7585	E -22 7516
82		9.6R	40 39.144	-0.0006	15	-24 34 38.47	0.012	15	0.30	39.154	16	33.2	38.68	16	33.2	A2 M	14	7586	E -24 8375
83		9.3R	40 40.240	-0.0018	15	-26 19 5.32	0.002	15	0.30	40.271	16	33.2	5.35	16	33.2	F8 M	14	7587	E -25 7430
84		8.9A	40 42.539	-0.0075	17	-20 41 33.88	0.060	13	0.30	42.665	16	33.2	34.89	16	33.2	G5 J	13A	4350	A -20 2995
85		9.1R	40 46.713	-0.0013	20	-28 9 43.86	-0.013	20	0.37	46.735	16	33.2	43.64	16	33.2	F8 M	13B	6341	J -27 6865
86		8.8R	40 46.906	-0.0009	18	-23 40 11.77	-0.003	18	0.34	46.920	16	33.2	11.71	16	33.2	A3 M	14	7589	E -23 8654
87		9.2R	40 48.605	0.0003	18	-23 2 51.81	-0.009	18	0.34	48.600	16	33.2	51.67	16	33.2	F J	14	7590	E -22 7518
88		8.9R	40 53.448	0.0031	18	-24 15 1.77	-0.032	18	0.34	53.396	16	33.2	1.23	16	33.2	K0 J	14	7591	E -23 8656
89		8.7A	40 54.536	-0.0042	18	-22 5 33.39	-0.011	13	0.31	54.607	16	33.2	33.20	16	33.2	F2 J	13A	4353	A -21 2889
90		8.6A	41 4.498	-0.0038	18	-21 53 15.44	0.033	13	0.31	4.561	16	33.2	15.99	16	33.2	G5 J	13A	4354	A -21 2890
91		8.1R	41 8.441	-0.0069	12	-29 34 29.25	0.052	12	0.26	8.557	16	33.2	30.13	16	33.2	G5 J	13B	6346	J -29 7732
92		8.9R	41 10.027	0.0004	17	-28 44 20.63	0.017	17	0.32	10.021	16	33.2	20.92	16	33.2	G5 M	13B	6347	J -28 7558
93		6.7T	41 10.872	-0.0014	16	-20 8 10.59	-0.020	14	0.75	10.938	21	03.2	9.62	18	00.9	K0	GC	13418	-19 2795
94		8.7R	41 12.419	-0.0022	20	-28 13 19.56	0.000	20	0.37	12.456	16	33.2	19.57	16	33.2	A0 J	13B	6349	J -27 6877
95		9.0A	41 14.097	-0.0078	15	-21 21 11.85	0.053	12	0.28	14.228	16	33.2	12.74	16	33.2	G0 J	13A	4356	A -20 2998
96		9.0R	41 16.073	-0.0036	20	-26 41 11.78	0.032	20	0.37	16.133	16	33.2	12.33	16	33.2	G0 M	14	7592	E -26 7374
97		8.5R	41 19.849	-0.0038	20	-27 22 41.39	-0.029	20	0.37	19.912	16	33.2	40.91	16	33.2	K0 J	13B	6352	J -27 6879
98		8.3A	41 25.683	-0.0013	15	-20 55 32.41	-0.006	11	0.27	25.705	16	33.2	32.31	16	33.2	B9 J	13A	4357	A -20 3000
99		8.3R	41 26.776	-0.0001	20	-28 56 4.91	-0.016	20	0.37	26.778	16	33.2	4.65	16	33.2	A0 J	13B	6355	J -28 7562
00		8.6R	41 27.727	-0.0034	20	-26 55 45.73	0.025	20	0.37	27.785	16	33.2	46.16	16	33.2	F8 J	14	7593	E -26 7376

177900

EPOCH 1950 — ORIGINAL EPOCH — SOURCE — -20° 9H

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	DM NUMBER
1		8.2R	9 41 32.721	0.0006	18	-22 32 48.71	-0.042	18	0.34	32.711	16	33.2	48.01	16	33.2	G5 J	14	7594	E -22 7528
2		8.8R	41 33.397	-0.0180	20	-25 43 45.45	0.184	20	0.37	33.700	16	33.2	47.53	16	33.2	G5 J	14	7595	E -25 7445
3		9.5R	41 39.699	-0.0003	18	-23 53 44.54	0.011	18	0.34	39.705	16	33.2	44.72	16	33.2	A0 J	14	7596	E -23 8672
4		8.6R	41 50.605	0.0004	20	-29 6 10.65	-0.031	20	0.37	50.598	16	33.2	10.14	16	33.2	K0 M	13B	6358	J -28 7569
5		9.7R	41 52.658	0.0001	18	-22 47 29.91	0.010	18	0.34	52.656	16	33.2	30.09	16	33.2	K0 M	14	7597	E -22 7535
6		9.2R	41 54.944	-0.0019	20	-29 58 59.97	0.031	20	0.37	54.976	16	33.2	0.49	16	33.2	A0 J	13B	6359	J -29 7743
7		8.3R	41 55.873	-0.0061	18	-24 45 10.59	0.004	18	0.34	55.976	16	33.2	10.66	16	33.2	F8 J	14	7598	E -24 8402
8		5.0M	41 58.247	-0.0037	02	-27 32 23.32	0.030	02	0.09	58.372	04	16.6	24.31	04	16.8	F5P F4		366	C -27 6881
9		9.3R	41 58.872	-0.0046	20	-23 19 41.70	-0.002	20	0.37	58.950	16	33.2	41.67	16	33.2	F8 M	14	7599	E -22 7537
10		8.7R	41 59.489	-0.0022	20	-26 25 43.15	-0.000	20	0.37	59.526	16	33.2	43.14	16	33.2	A5 J	14	7601	E -26 7381
11		8.5R	42 1.171	0.0032	18	-22 59 4.92	0.036	18	0.34	1.117	16	33.2	5.53	16	33.2	F8 J	14	7600	E -22 7538
12		9.2R	42 5.793	-0.0023	17	-27 25 46.28	0.009	17	0.32	5.831	16	33.2	46.44	16	33.2	A0 M	13B	6361	J -27 6883
13		8.3R	42 8.060	-0.0032	20	-27 12 56.54	0.077	20	0.37	8.114	16	33.2	57.84	16	33.2	K0 J	14	7602	E -26 7383
14		6.6T	42 16.511	-0.0043	08	-22 31 15.30	0.006	07	0.25	16.591	09	08.2	18.57	09	07.7	G6	GC	13433	-22 7705
15		8.1R	42 18.797	-0.0066	18	-23 7 51.53	-0.030	18	0.34	18.909	16	33.2	51.03	16	33.2	K0 J	14	7604	E -22 7543
16		8.5A	42 20.822	0.0008	18	-21 43 37.06	0.013	13	0.31	20.810	16	33.2	37.30	16	33.2	K5 J	13A	4364	A -21 2897
17		7.5R	42 21.865	-0.0006	18	-23 20 32.48	0.013	18	0.34	21.875	16	33.2	32.71	16	33.2	G5 J	14	7605	E -22 7545
18		8.3R	42 22.447	-0.0017	17	-29 18 10.81	0.014	17	0.32	22.476	16	33.2	11.05	16	33.2	K0 J	13B	6366	J -28 7578
19		8.2R	42 22.927	-0.0116	20	-26 39 28.04	0.077	20	0.37	23.123	16	33.2	29.34	16	33.2	F5 J	14	7606	E -26 7387
20		8.9A	42 24.867	0.0008	17	-21 49 31.22	0.028	13	0.30	24.853	16	33.2	31.69	16	33.2	F5 J	13A	4365	A -21 2898
21		8.4R	42 26.223	-0.0007	17	-29 23 30.68	-0.020	17	0.32	26.235	16	33.2	30.35	16	33.2	G5 J	13B	6368	J -29 7750
22		9.2R	42 27.383	-0.0029	20	-26 55 18.31	0.048	20	0.37	27.432	16	33.2	19.12	16	33.2	K M	14	7607	E -26 7388
23		7.0T	42 33.514	-0.0009	11	-27 23 58.28	-0.015	09	0.53	33.562	17	98.5	57.48	15	95.2	F0	GC	13436	C -27 6895
24		8.9A	42 33.594	-0.0126	18	-22 13 9.65	-0.003	13	0.31	33.807	16	33.2	9.60	16	33.2	G0 J	13A	4367	A -21 2899
25		9.3R	42 37.094	-0.0016	20	-26 18 19.10	-0.010	20	0.37	37.122	16	33.2	18.94	16	33.2	F5 M	14	7609	E -25 7460
26		8.0R	42 38.641	0.0018	18	-23 15 13.47	-0.012	18	0.34	38.612	16	33.2	13.28	16	33.2	A0 J	14	7608	E -22 7548
27		8.3R	42 38.835	-0.0043	20	-27 8 2.18	0.009	20	0.37	38.907	16	33.2	2.34	16	33.2	F5 J	14	7611	E -26 7393
28		9.0A	42 40.325	-0.0011	18	-21 4 50.77	0.029	13	0.31	40.343	16	33.2	51.26	16	33.2	G5 J	13A	4369	A -20 3006
29		9.4R	42 41.519	-0.0018	20	-22 33 35.96	0.063	20	0.37	41.549	16	33.2	37.03	16	33.2	K0 M	14	7610	E -22 7549
30		8.9R	42 42.793	-0.0015	20	-26 25 37.25	0.012	20	0.37	42.818	16	33.2	37.45	16	33.2	K0 M	14	7612	E -26 7395
31		8.3R	42 44.391	0.0017	20	-26 19 56.09	-0.049	20	0.37	44.363	16	33.2	55.25	16	33.2	K5 J	14	7614	E -25 7461
32		8.8R	42 47.783	0.0003	18	-24 49 3.77	-0.001	18	0.34	47.778	16	33.2	3.76	16	33.2	K0 J	14	7615	E -24 8415
33		9.0R	42 53.250	-0.0019	20	-26 2 39.80	0.005	20	0.37	53.282	16	33.2	39.90	16	33.2	F8 J	14	7616	E -25 7463
34		8.4A	42 55.861	-0.0109	13	-20 26 29.04	0.006	09	0.25	56.045	16	33.2	29.15	16	33.2	G5 J	13A	4370	A -20 3009
35		8.7R	42 57.068	0.0007	18	-23 51 52.57	-0.003	18	0.34	57.057	16	33.2	52.52	16	33.2	K0 J	14	7617	E -23 8891
36		9.7R	43 5.903	-0.0013	12	-24 21 54.26	0.004	12	0.26	5.925	16	33.2	54.32	16	33.2	G0 M	14	7619	E -24 8419
37		8.9R	43 5.965	-0.0022	18	-24 13 44.29	0.033	18	0.34	6.003	16	33.2	44.85	16	33.2	G5 M	14	7618	E -23 8697
38		8.5R	43 9.222	-0.0020	20	-25 33 56.10	0.009	20	0.37	9.256	16	33.2	56.24	16	33.2	G5 J	14	7620	E -25 7464
39		6.5T	43 9.813	-0.0027	11	-29 58 18.88	-0.003	08	0.56	9.962	19	93.8	18.70	15	94.0	B2	GC	13445	C -29 7758
40		8.9R	43 11.456	0.0012	20	-25 28 55.51	0.027	20	0.37	11.437	16	33.2	55.97	16	33.2	G5 J	14	7621	E -25 7465
41		8.2R	43 14.441	-0.0032	15	-28 10 28.67	-0.030	15	0.30	14.495	16	33.2	28.17	16	33.2	F0 J	13B	6378K	J -27 6907
42		7.6R	43 17.008	0.0010	12	-29 18 33.84	0.076	12	0.26	16.992	16	33.2	35.13	16	33.2	K0 J	13B	6379	J -28 7593
43		9.4R	43 21.482	-0.0086	15	-27 42 48.07	0.010	15	0.30	21.592	16	33.2	48.24	16	33.2	F5 M	13B	6380	J -27 6908
44		9.0R	43 22.238	0.0012	15	-23 45 43.44	0.007	15	0.30	22.218	16	33.2	43.55	16	33.2	K0 M	14	7622	E -23 8704
45		9.3R	43 28.234	0.0021	20	-25 33 57.79	-0.005	20	0.37	28.200	16	33.2	57.71	16	33.2	K0 M	14	7624	E -25 7466
46		9.1R	43 31.252	0.0008	18	-25 13 35.06	-0.016	18	0.34	31.239	16	33.2	34.80	16	33.2	G0 J	14	7625	E -24 8428
47		9.5R	43 35.234	-0.0030	12	-28 29 20.95	0.046	12	0.26	35.285	16	33.2	21.73	16	33.2	G5 M	13B	6382	J -28 7594
48		8.5A	43 35.805	0.0001	18	-21 31 27.21	-0.008	13	0.31	35.805	16	33.2	27.07	16	33.2	K0 J	13A	4375	A -21 2902
49		8.6A	43 38.058	-0.0007	18	-20 12 29.79	0.023	13	0.32	38.069	18	33.1	30.18	16	33.1	K0 J	12B	4376	A -19 2812
50		8.5R	43 38.441	0.0001	20	-26 33 40.72	0.012	20	0.37	38.439	16	33.2	40.93	16	33.2	K5 J	14	7627	E -26 7401
51		8.7R	9 43 40.108	-0.0011	18	-25 8 55.74	0.022	18	0.34	40.127	16	33.2	56.11	16	33.2	K5 J	14	7628	E -24 8431
52		9.2A	43 44.518	0.0033	17	-21 8 22.09	-0.185	13	0.30	44.462	16	33.2	18.96	16	33.2	G5 J	13A	4377	A -20 3014
53		8.3R	43 44.951	-0.0010	20	-26 1 42.89	0.002	20	0.37	44.968	16	33.2	42.91	16	33.2	K0 J	14	7630	E -25 7471
54		9.2R	43 46.012	-0.0003	15	-27 36 25.90	-0.013	15	0.30	46.017	16	33.2	25.68	16	33.2	A5 J	13B	6384	J -27 6915
55		9.0A	43 48.368	0.0004	17	-20 13 10.99	-0.013	13	0.31	48.361	18	33.1	10.78	16	33.1	A5 J	12B	4379	A -19 2814
56		8.4R	43 55.652	-0.0001	20	-27 37 16.78	0.006	20	0.37	55.655	16	33.2	16.88	16	33.2	K0 J	13B	6387	J -27 6916
57		8.7R	43 56.509	-0.0060	20	-28 20 28.06	-0.022	20	0.37	56.610	16	33.2	27.70	16	33.2	F8 J	13B	6388	J -27 6918
58		9.0A	43 56.919	-0.0024	15	-22 11 29.88	-0.076	11	0.27	56.959	16	33.2	28.60	16	33.2	G0 J	13A	4380	A -21 2903
59		9.0R	43 58.603	-0.0032	20	-26 5 10.97	0.039	20	0.37	58.657	16	33.2	11.61	16	33.2	G0 M	14	7633	E -25 7473
60		7.2R	43 59.220	-0.0025	20	-22 25 16.51	-0.018	20	0.37	59.263	16	33.2	16.21	16	33.2	K0 J	14	7632	E -22 7573
61		9.3R	44 2.800	0.0007	17	-26 59 16.43	-0.021	17	0.32	2.787	16	33.2	16.08	16	33.2	K7 M	14	7634	E -26 7409
62		6.9T	7.117	-0.0037	12	-27 2 36.30	-0.060	10	0.60	7.307	15	99.2	33.01	18	94.8	F2	GC	13469	C -26 7411
63		9.2R	7.240	-0.0027	20	-26 43 23.40	-0.074	20	0.37	7.285	16	33.2	22.16	16	33.2	G5 M	14	7637	E -26 7410
64		9.0R	7.644	-0.0011	18	-23 25 57.69	-0.026	18	0.34	7.662	16	33.2	57.26	16	33.2	K5 M	14	7635	E -23 8713
65		8.2A	8.331	0.0007	18	-22 5 41.78	-0.002	12	0.30	8.319	16	33.2	41.74	16	33.2	G5 J	13A	4382	A -21 2905
66		9.2R	9.641	-0.0004	20	-22 27 57.28	-0.001	20	0.37	9.648	16	33.2	57.26	16	33.2	G5 J	14	7636	E -22 7577
67		8.5R	10.121	-0.0048	15	-25 44 27.55	0.009	15	0.30	10.203	16	33.2	27.69	16	33.2	F5 J	14	7639	E -25 7476
68		8.4R	12.553	-0.0054	18	-25 26 26.83	0.000	18	0.34	12.644	16	33.2	26.83	16	33.2	G0 J	14	7640	E -25 7477
69		9.1R	16.951	0.0018	18	-22 51 1.50	0.011	18	0.34	16.920	16	33.2	1.69	16	33.2	K2 M	14	7642	E -22 7579
70		9.3R	17.374	-0.0000	20	-26 16 41.31	-0.056	20	0.37	17.375	16	33.2	40.37	16	33.2	G5 M	14	7644	E -25 7481
71		9.4R	17.750	-0.0013	18	-25 24 11.38	0.087	18	0.34	17.772	16	33.2	12.85	16	33.2	F8 M	14	7643	E -25 7480
72		9.2R	18.508	-0.0033	20	-27 6 15.51	0.025	20	0.37	18.563	16	33.2	15.94	16	33.2	K M	14	7645	E -26 7415
73		9.5R	28.544	-0.0043	18	-23 42 7.38	-0.024	18	0.34	28.616	16	33.2	6.97	16	33.2	G M	14	7646	E -23 8717
74		8.3R	30.213	-0.0012	12	-29 14 48.55	0.020	12	0.26	30.234	16	33.2	48.89	16	33.2	A2 J	13B	6393	J -28 7607
75		9.0R	32.415	-0.0013	18	-23 28 30.74	0.009	18	0.34	32.437	16	33.2	30.90	16	33.2	K2 M	14	7647	E -23 8718
76		9.6R	33.034	-0.0016	15	-23 39 46.56	0.012	15	0.30	33.061	16	33.2	46.76	16	33.2	G M	14	7648	E -23 8719
77		9.3R	33.963	0.0002	18	-22 48 10.54	0.028	18	0.34	33.959	16	33.2	11.02	16	33.2	F8 M	14	7649	E -22 7586
78		9.6R	34.034	0.0003	18	-24 2 58.32	0.021	18	0.34	34.029	16	33.2	58.67	16	33.2	F8 M	14	7650	E -25 8721
79		8.6R	36.246	0.0004	17	-29 49 49.22	-0.008	17	0.32	36.240	16	33.2	49.09	16	33.2	K0 M	13B	6394	J -29 7776
80		8.9A	38.353	-0.0041	18	-20 8 41.34	-0.014	13	0.32	38.425	18	33.1	41.11	16	33.1	F5 J	12B	4384	A -19 2821
81		8.5R	40.778	-0.0032	12	-28 44 33.86	0.048	12	0.26	40.832	16	33.2	34.67	16	33.2	A2 J	13B	6395	J -28 7609
82		9.0R	44.063	0.0004	18	-24 27 12.03	-0.025	18	0.34	44.057	16	33.2	11.60	16	33.2	F2 J	14	7651	E -24 8449
83		8.7R	45.431	0.0025	18	-23 54 31.40	0.013	18	0.34	45.389	16	33.2	31.61	16	33.2	K0 J	14	7652	E -23 8726
84		8.6A	48.873	-0.0050	15	-21 28 7.07	0.021	11	0.27	48.957	16	33.2	7.42	16	33.2	F8 J	13A	4385	A -21 2907
85		9.0R	49.032	-0.0040	17	-28 22 9.16	-0.007	17	0.32	49.100	16	33.2	9.05	16	33.2	K0 M	13B	6396	J -28 7611
86		9.2R	49.883	0.0020	20	-28 48 54.77	0.028	20	0.37	49.850	16	33.2	55.25	16	33.2	K M	13B	6397	J -28 7612
87		9.0R	50.603	-0.0023	18	-25 1 2.69	0.014	18	0.34	50.642	16	33.2	2.93	16	33.2	K2 J	14	7653	E -24 8451
88		9.0R	56.369	-0.0028	20	-29 34 1.61	-0.020	20	0.37	56.417	16	33.2	1.27	16	33.2	G0 M	13B	6402	J -29 7780
89		9.1R	45 2.632	-0.0004	20	-29 34 35.98	-0.001	20	0.37	2.638	16	33.2	35.96	16	33.2	A0 M	13B	6405	J -29 7782
90		9.3R	45 3.417	0.0003	20	-28 47 37.00	-0.084	20	0.37	3.412	16	33.2	35.59	16	33.2	K M	13B	6406	J -28 7619
91		9.0R	45 10.364	0.0003	18	-25 9 5.69	0.022	18	0.34	10.358	16	33.2	6.07	16	33.2	A0 J	14	7655	E -24 8459
92		9.4R	45 10.411	-0.0039	20	-29 43 22.16	0.010	20	0.37	10.477	16	33.2	22.33	16	33.2	F0 M	13B	6407	J -29 7785
93		9.8R	45 10.764	0.0009	18	-24 21 28.08	0.005	18	0.34	10.749	16	33.2	28.16	16	33.2	K0 M	14	7654	E -24 8456
94		9.7R	45 12.258	-0.0001	20	-23 31 10.82	0.002	20	0.37	12.259	16	33.2	10.85	16	33.2	G5 M	14	7657	E -23 8734
95		9.0R	45 15.945	-0.0021	20	-28 27 45.98	0.032	20	0.37	15.981	16	33.2	46.52	16	33.2	K0 M	13B	6409	J -28 7624
96		8.4R	45 17.339	-0.0016	18	-25 4 13.10	0.033	18	0.34	17.367	16	33.2	13.66	16	33.2	G5 J	14	7658	E -24 8463
97		9.0R	45 21.131	-0.0003	18	-25 7 16.18	-0.026	18	0.34	21.136	16	33.2	15.75	16	33.2	K0 M	14	7661	E -24 8464
98		9.6R	45 21.708	0.0001	20	-22 32 44.45	-0.005	20	0.37	21.707	16	33.2	44.38	16	33.2	F8 M	14	7659	E -22 7595
99		9.3R	45 22.123	0.0023	17	-28 28 9.00	0.040	17	0.32	22.085	16	33.2	9.68	16	33.2	F8 M	13B	6412	J -28 7626
00		9.4R	45 22.355	0.0015	15	-22 52 44.27	0.046	15	0.30	22.329	16	33.2	45.05	16	33.2	K5 M	14	7660	E -22 7593

178000

EPOCH 1950 — ORIGINAL EPOCH — SOURCE — -20° 9H

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.		SOURCE CAT.	SOURCE STAR NUMBER	DM NUMBER
1		9.4R	9 45 22.785	-0.0006	20	-23 6 17.99	-0.025	20	0.37	22.794	16	33.2	17.58	16	33.2	M	M	14	7662	E -22 7594
2		7.8R	45 22.880	-0.0004	17	-29 27 24.51	-0.014	17	0.32	22.886	16	33.2	24.28	16	33.2	K0	J	13B	6413	J -29 7788
3		8.6R	45 23.924	-0.0014	15	-26 52 5.03	-0.033	15	0.30	25.947	16	33.2	4.48	16	33.2	K0	J	14	7664	E -26 7425
4		9.5R	45 25.904	-0.0023	18	-23 56 9.83	0.011	18	0.34	25.943	16	33.2	10.02	16	33.2	F8	M	14	7663	E -23 8738
5		7.3T	45 26.631	-0.0056	16	-28 8 49.36	0.000	12	0.75	26.906	21	01.0	49.38	18	96.8	F8		GC	13500	C -27 6935
6		9.0R	45 35.139	-0.0007	20	-25 40 14.25	0.007	20	0.37	35.150	16	33.2	14.36	16	33.2	F0	M	14	7665	E -25 7500
7		8.6R	45 37.936	-0.0020	12	-28 43 28.24	0.025	12	0.26	37.970	16	33.2	28.66	16	33.2	G0	J	13B	6418	J -28 7633
8		9.4R	45 43.701	0.0010	18	-25 11 58.32	0.000	18	0.34	43.684	16	33.2	58.32	16	33.2	A0	J	14	7666	E -24 8469
9		9.3R	45 44.370	-0.0006	17	-29 48 35.92	0.037	17	0.32	44.380	16	33.2	36.55	16	33.2	K0	M	13B	6420	J -29 7795
10		9.3R	45 45.261	-0.0021	18	-23 17 4.04	-0.008	18	0.34	45.296	16	33.2	3.91	16	33.2	F5	J	14	7667	E -22 7599
11		8.0R	45 47.207	-0.0044	20	-27 44 42.29	0.054	20	0.37	47.282	16	33.2	43.20	16	33.2	F5	J	13B	6421	J -27 6940
12		8.7R	45 49.116	-0.0045	20	-28 2 16.04	-0.022	20	0.37	49.191	16	33.2	15.67	16	33.2	A0	J	13B	6423	J -27 6941
13		8.6R	45 59.305	0.0011	20	-27 39 12.14	0.006	20	0.37	59.286	16	33.2	12.25	16	33.2	G5	J	13B	6425	J -27 6944
14		9.1R	45 59.999	-0.0070	20	-29 59 2.32	-0.011	20	0.37	+ 0.117	16	33.2	2.14	16	33.2	K0	M	13B	6426	J -29 7799
15		8.3R	46 1.019	-0.0007	18	-24 58 31.30	0.018	18	0.34	1.031	16	33.2	31.60	16	33.2	A2	J	14	7671	E -24 8471
16		8.7R	46 2.571	-0.0013	15	-22 30 18.59	0.026	15	0.30	2.594	16	33.2	19.04	16	33.2	F5	J	14	7670	E -22 7605
17		8.9R	46 3.784	-0.0007	15	-24 28 48.91	0.004	15	0.30	3.796	16	33.2	48.97	16	33.2	K0	J	14	7674	E -24 8473
18		8.7R	46 4.625	-0.0011	18	-22 35 41.89	0.013	18	0.34	4.643	16	33.2	42.12	16	33.2	A2	J	14	7672	E -22 7606
19		9.0R	46 4.712	-0.0001	18	-22 34 52.64	0.052	18	0.34	4.714	16	33.2	53.53	16	33.2			14	7673	E -22 7607
20		8.8R	46 9.102	0.0003	20	-25 46 11.17	-0.017	20	0.37	9.097	16	33.2	10.87	16	33.2	G0	J	14	7675	E -25 7503
21		8.6R	46 12.880	-0.0017	20	-27 58 19.32	-0.019	20	0.37	12.908	16	33.2	19.00	16	33.2	K0	M	13B	6431	J -27 6950
22		9.5R	46 13.470	0.0001	20	-25 32 50.94	0.022	20	0.37	13.469	16	33.2	51.31	16	33.2	G5	M	14	7676	E -25 8751
23		8.7R	46 16.264	0.0011	18	-22 26 47.66	0.043	18	0.34	16.245	16	33.2	48.38	16	33.2	B9	J	14	7677	E -22 7614
24		8.3R	46 16.447	0.0017	18	-25 18 31.89	-0.060	18	0.34	16.419	16	33.2	30.89	16	33.2	K0	J	14	7678	E -24 8477
25		9.4R	46 19.982	0.0019	18	-22 48 41.46	0.006	18	0.34	19.950	16	33.2	41.57	16	33.2	M	M	14	7679	E -22 7616
26		9.1R	46 21.108	0.0014	12	-28 29 45.33	-0.002	12	0.26	21.084	16	33.2	45.30	16	33.2	K0	M	13B	6433	J -28 7640
27		6.7T	46 27.623	-0.0122	12	-26 10 53.52	0.034	10	0.59	28.247	14	98.7	55.36	15	96.8	F0		GC	13518K	C*-25 7510
28		9.3R	46 28.989	-0.0047	15	-27 42 1.33	0.020	15	0.30	29.069	16	33.2	1.67	16	33.2	K0	M	13B	6435	J -27 6953
29		8.3A	46 30.587	0.0016	18	-21 47 7.53	-0.005	13	0.31	30.561	16	33.2	7.44	16	33.2	A0	J	13A	4395	A -21 2912
30		9.4R	46 32.629	0.0026	18	-23 24 52.65	0.016	18	0.34	32.586	16	33.2	52.93	16	33.2	A5	M	14	7683	E -23 8757
31		8.7A	46 34.012	-0.0015	13	-21 7 40.45	0.013	09	0.25	34.037	16	33.2	40.66	16	33.2	G5	J	13A	4396	A -20 3021
32		8.6R	46 36.615	0.0002	12	-29 29 34.29	0.003	12	0.26	36.612	16	33.2	34.35	16	33.2	K0	M	13B	6436	J -29 7809
33		8.7R	46 39.539	0.0000	15	-24 4 5.74	0.013	15	0.30	39.539	16	33.2	5.95	16	33.2	F0	J	14	7684	E -23 8758
34		9.6R	46 41.929	-0.0061	20	-25 35 44.52	0.031	20	0.37	42.032	16	33.2	45.03	16	33.2	K	M	14	7685	E -25 7512
35		8.5A	46 42.051	-0.0018	17	-21 12 11.34	0.017	13	0.30	42.082	16	33.2	11.62	16	33.2	G5	J	13A	4397	A -20 3022
36		8.9A	46 45.335	0.0007	18	-21 58 37.08	0.052	13	0.31	45.324	16	33.2	37.95	16	33.2	K2	J	13A	4399	A -21 2915
37		9.3R	46 46.197	-0.0011	17	-28 36 43.05	0.006	17	0.32	46.215	16	33.2	43.15	16	33.2	G5	M	13B	6437	J -28 7648
38		9.4R	46 48.292	-0.0006	17	-28 51 31.14	-0.033	17	0.32	48.303	16	33.2	30.59	16	33.2	K0	M	13B	6438	J -28 7650
39		9.2R	46 49.144	0.0036	18	-23 8 51.18	0.014	18	0.34	49.084	16	33.2	51.43	16	33.2	A0	M	14	7686	E -22 7624
40		9.2R	46 52.964	0.0014	18	-25 7 21.11	0.013	18	0.34	52.941	16	33.2	21.33	16	33.2	K0	J	14	7687	E -24 8485
41		8.3R	46 53.414	0.0019	18	-24 59 37.38	-0.020	18	0.34	53.382	16	33.2	37.05	16	33.2	K0	J	14	7688	E -24 8486
42		7.4R	46 56.966	0.0026	18	-24 24 43.36	-0.040	18	0.34	56.923	16	33.2	42.68	16	33.2	K0	J	14	7689	E -24 8487
43		9.3R	46 58.070	-0.0024	18	-25 38 15.59	0.019	18	0.34	58.110	16	33.2	15.90	16	33.2	F8	M	14	7690	E -25 7520
44		8.5R	47 2.305	-0.0026	20	-28 18 9.83	-0.037	20	0.37	2.350	16	33.2	9.21	16	33.2	F8	J	13B	6439	J -27 6966
45		8.5R	47 2.314	0.0008	18	-23 8 57.03	-0.046	18	0.34	2.301	16	33.2	56.26	16	33.2	K0	M	14	7691	E -22 7630
46		8.9R	47 4.175	-0.0042	20	-27 56 25.93	0.019	20	0.37	4.246	16	33.2	26.25	16	33.2	K0	M	13B	6440	J -27 6967
47		8.9A	47 4.482	0.0020	17	-21 14 53.76	0.005	13	0.30	4.448	16	33.2	53.84	16	33.2	K5	J	13A	4402	A -20 3024
48		9.3R	47 5.027	0.0017	20	-26 57 57.19	0.034	20	0.37	5.056	16	33.2	57.76	16	33.2	G5	M	14	7692	E -26 7448
49		9.1A	47 6.014	-0.0005	15	-21 41 19.91	0.003	11	0.27	6.022	16	33.2	19.96	16	33.2	F8	J	13A	4403	A -21 2916
50		8.7R	47 11.464	-0.0003	17	-29 59 11.05	0.009	17	0.32	11.469	16	33.2	11.20	16	33.2	A0	J	13B	6442	J -29 7819
51		9.1A	9 47 16.833	0.0006	20	-21 32 29.72	-0.002	15	0.33	16.823	16	33.2	29.68	16	33.2	F5	J	13A	4404	A -21 2919
52		9.5R	47 18.669	0.0014	18	-24 37 13.65	0.014	18	0.34	18.646	16	33.2	13.89	16	33.2	K5	M	14	7693	E -24 8491
53		9.0R	47 18.735	0.0020	12	-29 7 13.45	-0.026	12	0.26	18.702	16	33.2	13.02	16	33.2	K0	M	13B	6443	J -28 7656
54		9.2R	47 20.322	-0.0002	18	-23 25 21.77	-0.003	18	0.34	20.325	16	33.2	21.73	16	33.2	K0	M	14	7694	E -23 8768
55		9.5R	47 21.812	0.0016	18	-24 46 16.19	-0.019	18	0.34	21.785	16	33.2	15.87	16	33.2	F0	M	14	7695	E -24 8493
56		9.5R	47 24.132	-0.0014	12	-24 21 43.94	-0.017	12	0.26	24.155	16	33.2	43.65	16	33.2	G0	M	14	7696	E -24 8494
57		8.9R	47 28.842	0.0002	15	-24 21 57.32	0.004	15	0.30	28.839	16	33.2	57.38	16	33.2	K5	M	14	7697	E -24 8495
58		8.5R	47 29.783	-0.0027	18	-25 47 4.71	0.010	18	0.34	29.830	16	33.2	4.86	16	33.2	K2	J	14	7698	E -25 7522
59		9.4R	47 33.619	-0.0030	20	-26 56 46.90	-0.012	20	0.37	33.669	16	33.2	46.71	16	33.2	K0	M	14	7699	E -26 7457
60		8.4R	47 34.231	-0.0010	12	-28 47 58.28	0.012	12	0.26	34.248	16	33.2	58.49	16	33.2	A0	J	13B	6447	J -28 7662
61		9.1R	47 37.694	-0.0031	15	-26 21 42.42	0.014	15	0.30	37.746	16	33.2	42.65	16	33.2	M	M	14	7700	E -26 7458
62		8.3R	47 40.314	-0.0001	18	-24 7 54.60	-0.024	18	0.34	40.315	16	33.2	54.20	16	33.2	K2	J	14	7701	E -23 8773
63		8.6A	47 40.618	-0.0002	13	-20 53 42.93	0.017	09	0.25	40.621	16	33.2	43.21	16	33.2	A2	J	13A	4406	A -20 3026
64		8.9A	47 40.791	-0.0013	17	-20 2 25.57	0.004	13	0.31	40.813	18	33.1	25.64	16	33.1	K2	J	12B	4405	A -19 2839
65		9.0R	47 42.871	-0.0013	18	-25 38 32.93	-0.003	18	0.34	42.893	16	33.2	32.87	16	33.2	K2	J	14	7702	E -25 7524
66		7.5R	47 48.983	-0.0049	17	-28 39 3.35	-0.057	17	0.32	49.066	16	33.2	2.39	16	33.2	K0	J	13B	6450	J -28 7665
67		9.1R	47 49.103	0.0014	18	-24 20 42.91	-0.023	18	0.34	49.079	16	33.2	42.52	16	33.2	F5	J	14	7703	E -23 8776
68		9.5R	47 49.189	-0.0048	20	-27 32 46.12	-0.036	20	0.37	49.270	16	33.2	45.52	16	33.2	K0	M	13B	6449	J -27 6976
69		9.2R	47 50.340	-0.0057	20	-25 55 43.15	0.053	20	0.37	50.437	16	33.2	44.05	16	33.2	F5	J	14	7704	E -25 7526
70		7.9R	47 51.193	-0.0007	12	-29 40 13.25	-0.083	12	0.26	51.206	16	33.2	11.86	16	33.2	F2	J	13B	6451	J -29 7827
71		8.6R	47 54.058	-0.0005	18	-24 15 18.91	0.045	18	0.34	54.067	16	33.2	19.67	16	33.2	A2	J	14	7705	E -23 8777
72		9.5R	47 57.569	-0.0020	20	-23 24 9.87	0.009	20	0.37	57.603	16	33.2	10.03	16	33.2	A	M	14	7706	E -23 8778
73		9.0R	48 2.300	0.0002	18	-24 31 7.28	-0.024	18	0.34	2.296	16	33.2	6.88	16	33.2	B8	J	14	7707	E -24 8504
74		8.4R	48 3.098	-0.0014	18	-26 59 14.75	0.032	18	0.34	3.121	16	33.2	15.30	16	33.2	K0	J	14	7708	E -26 7464
75		9.4R	48 7.312	-0.0019	18	-24 23 39.74	0.027	18	0.34	7.344	16	33.2	40.19	16	33.2	G0	J	14	7709	E -24 8506
76		8.9R	48 11.042	-0.0031	18	-26 2 56.25	0.026	18	0.34	11.095	16	33.2	56.68	16	33.2	A2	J	14	7710K	E -25 7529
77		9.6R	48 17.969	0.0028	18	-25 59 8.29	-0.020	18	0.34	17.922	16	33.2	7.96	16	33.2			14	7711	E -24 8509
78		8.7A	48 20.703	-0.0042	13	-20 50 37.41	0.003	09	0.25	20.773	16	33.2	37.46	16	33.2	A5	J	13A	4407	A -20 3031
79		9.4R	48 22.108	0.0030	20	-23 8 11.77	0.013	20	0.37	22.058	16	33.2	12.00	16	33.2	K	M	14	7712	E -22 7649
80		9.6R	48 22.233	-0.0035	20	-25 1 22.56	-0.055	20	0.37	22.292	16	33.2	21.64	16	33.2			14	7713	E -24 8511
81		8.2A	48 24.506	-0.0011	17	-20 32 7.41	-0.011	12	0.29	24.524	16	33.2	7.22	16	33.2	A0	J	13A	4408	A -20 3032
82		8.4A	48 29.048	-0.0018	17	-21 13 40.72	0.007	12	0.29	29.079	16	33.2	40.83	16	33.2	F0	J	13A	4410	A -20 3033
83		8.8R	48 30.775	-0.0044	15	-26 5 55.79	0.012	15	0.30	30.849	16	33.2	55.98	16	33.2	A0	J	14	7714	E -25 7533
84		8.6R	48 34.573	-0.0007	12	-27 52 57.94	-0.005	12	0.26	34.585	16	33.2	57.86	16	33.2	F0	J	13B	6454K	J -27 6985
85		9.3R	48 39.577	-0.0055	15	-27 11 58.00	0.014	15	0.30	39.670	16	33.2	58.24	16	33.2	K	M	14	7717	E -26 7470
86		9.6R	48 40.568	0.0001	20	-22 26 45.57	-0.038	20	0.37	40.567	16	33.2	44.93	16	33.2	K	M	14	7716	E -22 7651
87		9.5R	48 42.664	-0.0015	18	-26 30 9.21	0.000	18	0.34	42.689	16	33.2	9.21	16	33.2	K0	M	14	7719	E -26 7471
88		6.5I	48 45.004	-0.0013	15	-22 46 56.91	-0.004	13	0.77	45.073	15	97.6	56.72	17	96.7	N P		GC	13560V	B*-22 2739
89		9.5R	48 46.182	-0.0011	17	-26 51 56.57	0.009	17	0.32	46.201	16	33.2	56.73	16	33.2	G	M	14	7720	E -26 7473
90		9.5R	48 49.387	0.0013	20	-24 2 24.03	-0.010	20	0.37	49.365	16	33.2	23.86	16	33.2	G	M	14	7721	E -23 8787
91		8.4T	48 53.260	0.0026	18	-28 15 5.39	-0.075	15	0.83	53.138	22	02.8	1.69	21	00.4	G5		GC	13567	C -27 6987
92		9.2R	48 53.350	-0.0019	12	-23 5 17.90	-0.026	12	0.26	53.381	16	33.2	17.47	16	33.2	K	M	14	7722	E -22 7653
93		8.9R	48 56.215	0.0022	18	-22 43 39.65	0.002	18	0.34	56.178	16	33.2	39.69	16	33.2	G5	J	14	7723	E -22 7654
94		9.6R	48 58.872	0.0016	20	-23 56 47.35	-0.017	20	0.37	58.845	16	33.2	47.06	16	33.2	G	M	14	7724	E -23 8790
95		8.9R	49 0.093	-0.0027	18	-25 42 0.34	-0.012	18	0.34	0.140	16	33.2	0.13	16	33.2	K0	J	14	7725	E -25 7543
96		8.7R	49 8.705	-0.0012	18	-27 10 54.62	0.004	18	0.34	8.725	16	33.2	54.69	16	33.2	F8	J	14	7727	E -26 7476
97		9.4R	49 8.903	0.0022	18	-23 10 19.56	-0.049	18	0.34	8.866	16	33.2	18.74	16	33.2	G0	J	14	7726	E -22 7656
98		9.6R	49 12.348	-0.0013	18	-22 54 47.91	0.027	18	0.34	12.371	16	33.2	48.37	16	33.2			14	7728	E -22 7657
99		8.5R	49 13.625	-0.0025	18	-25 39 6.28	-0.000	18	0.34	13.668	16	33.2	6.27	16	33.2	K0	J	14	7729	E -25 7545
00		9.0R	49 16.004	-0.0022	18	-26 41 24.84	0.000	18	0.34	16.041	16	33.2	24.85	16	33.2	F2	J	14	7730	E -26 7478

178100

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	EPOCH 1950 μ s	EPOCH 1950 σ_μ ″.001	EPOCH 1950 δ_{1950} ° ′ ″	EPOCH 1950 μ' ″	EPOCH 1950 σ'_μ ″.001	EPOCH 1950 σ_{1950} ″	ORIGINAL EPOCH α_2 s	ORIGINAL EPOCH σ ″.01	ORIGINAL EPOCH ep.	ORIGINAL EPOCH δ_2 ″	ORIGINAL EPOCH σ' ″.01	ORIGINAL EPOCH ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER
																		DM NUMBER
1		8.7R	9 49 19.181	-0.0007	20	-27 18 54.45	-0.002	20	0.37	19.193	16	33.2	54.42	16	33.2	K0 M	13B	6460
2		9.3R	49 24.611	-0.0003	20	-27 35 11.91	0.018	20	0.37	24.616	16	33.2	12.22	16	33.2	K0 M	13B	6462
3		9.1R	49 25.803	-0.0009	15	-25 28 12.46	-0.009	15	0.30	25.818	16	33.2	12.31	16	33.2	F8 M	14	7731
4		9.1R	49 31.565	0.0009	12	-29 4 56.17	-0.009	12	0.26	31.550	16	33.2	56.02	16	33.2	F5 M	13B	6464
5		9.3R	49 31.772	0.0027	20	-27 53 8.22	-0.044	20	0.37	31.726	16	33.2	7.48	16	33.2	F8 M	13B	6463
6		9.4R	49 38.314	0.0024	20	-27 50 9.90	-0.039	20	0.37	38.274	16	33.2	9.25	16	33.2	G0 M	13B	6467
7		9.6R	49 41.189	0.0014	18	-24 23 23.61	-0.033	18	0.34	41.165	16	33.2	23.05	16	33.2	K M	14	7734
8		9.3R	49 41.357	0.0037	15	-22 26 39.03	-0.068	15	0.30	41.294	16	33.2	37.88	16	33.2	K0 M	14	7733
9		8.2R	49 41.694	-0.0005	18	-23 59 12.98	-0.036	18	0.34	41.700	16	33.2	12.37	16	33.2	K0 J	14	7735
10		8.8R	49 42.643	-0.0051	15	-28 5 41.34	-0.007	15	0.30	42.728	16	33.2	41.23	16	33.2	F8 J	13B	6468
11		9.4R	49 43.055	-0.0009	18	-24 17 57.82	0.030	12	0.30	43.071	16	33.2	58.32	16	33.2		14	7736
12		9.2R	49 44.406	0.0021	12	-29 43 30.03	0.036	12	0.26	44.371	16	33.2	30.64	16	33.2	F0 J	13B	6469
13		9.1R	49 49.211	-0.0041	15	-28 3 0.31	-0.016	15	0.30	49.280	16	33.2	0.05	16	33.2	K0 M	13B	6470
14		8.7R	49 50.333	-0.0012	18	-27 9 20.36	0.003	18	0.34	50.353	16	33.2	20.42	16	33.2	A2 J	14	7738
15		8.3R	49 52.595	-0.0015	12	-28 50 8.46	-0.003	12	0.26	52.621	16	33.2	8.41	16	33.2	K0 J	13B	6472
16		8.6R	49 55.985	0.0006	18	-23 41 29.64	0.008	18	0.34	55.975	16	33.2	29.77	16	33.2	F5 J	14	7739
17		8.6R	49 58.204	0.0001	12	-26 30 18.72	0.001	12	0.26	58.202	16	33.2	18.74	16	33.2	G0 J	14	7741
18		9.9R	49 59.492	0.0014	20	-26 29 55.90	-0.010	15	0.33	59.469	16	33.2	55.74	16	33.2	G0 J	14	7742
19		9.2R	50 1.291	0.0009	17	-28 25 40.35	0.026	17	0.32	1.276	16	33.2	40.80	16	33.2	A0 J	13B	6475
20		8.8R	50 1.419	-0.0021	17	-28 25 32.35	-0.008	17	0.32	1.455	16	33.2	32.22	16	33.2	A0 J	13B	6476
21		8.9R	50 6.956	-0.0003	20	-27 29 51.40	-0.013	20	0.37	6.960	16	33.2	51.19	16	33.2	K M	13B	6477
22		8.6R	50 8.684	0.0019	18	-23 31 52.93	-0.060	18	0.34	8.652	16	33.2	51.91	16	33.2	G5 J	14	7743
23		9.0R	50 8.944	-0.0036	12	-29 32 7.37	0.013	12	0.26	9.005	16	33.2	7.59	16	33.2	G0 M	13B	6478
24		8.0R	50 16.261	0.0019	18	-23 29 24.00	-0.022	18	0.34	16.229	16	33.2	23.64	16	33.2	G5 J	14	7744
25		9.1R	50 25.652	-0.0093	15	-26 59 3.32	0.021	15	0.30	25.809	16	33.2	3.68	16	33.2	G5 J	14	7746
26		8.9R	50 29.550	-0.0002	12	-29 37 38.98	0.006	12	0.26	29.554	16	33.2	39.08	16	33.2	F2 J	13B	6479
27		9.4R	50 35.301	0.0016	15	-27 1 36.22	-0.008	15	0.30	35.273	16	33.2	36.09	16	33.2	K5 J	14	7748
28		9.1A	50 38.121	0.0007	12	-21 42 16.62	-0.018	11	0.25	38.110	16	33.2	16.32	16	33.2	A2 J	13A	4423
29		7.4R	50 40.323	-0.0011	17	-26 31 11.05	0.054	17	0.32	40.342	16	33.2	11.96	16	33.2	A5 J	14	7749
30		6.3T	50 43.527	-0.0215	08	-27 5 51.08	0.088	07	0.47	44.787	15	91.5	56.48	15	88.9	F8	GC	13599
31		9.3R	50 47.001	-0.0080	15	-28 17 9.54	-0.035	15	0.30	47.136	16	33.2	8.95	16	33.2	K M	13B	6482
32		9.3R	50 47.106	-0.0019	18	-23 49 37.84	-0.011	18	0.34	47.139	16	33.2	37.65	16	33.2	K5 M	14	7751
33		9.2R	50 49.301	-0.0073	12	-28 22 48.76	0.090	12	0.26	49.424	16	33.2	50.28	16	33.2	G0 M	13B	6484
34		9.3R	50 49.461	-0.0116	12	-27 39 26.64	0.049	12	0.26	49.657	16	33.2	27.47	16	33.2	G0 M	13B	6483
35		8.5R	50 51.444	-0.0001	18	-24 10 32.93	0.020	18	0.34	51.446	16	33.2	33.26	16	33.2	K0 J	14	7752
36		8.8R	50 53.221	-0.0026	15	-27 55 13.73	0.001	15	0.30	53.265	16	33.2	13.75	16	33.2	G5 M	13B	6485
37		9.1A	50 54.871	0.0018	15	-20 33 51.74	-0.037	12	0.28	54.841	16	33.2	51.11	16	33.2	G0 J	13A	4424
38		8.2R	50 56.189	0.0006	18	-23 26 49.67	-0.028	18	0.34	56.179	16	33.2	49.21	16	33.2	K0 J	14	7753
39		9.4R	51 4.064	-0.0017	18	-24 5 55.54	0.013	18	0.34	4.092	16	33.2	55.75	16	33.2	K M	14	7755
40		8.3R	51 4.724	0.0013	15	-25 55 26.56	-0.046	15	0.30	4.702	16	33.2	25.79	16	33.2	K5 J	14	7756
41		8.5R	51 5.130	-0.0000	21	-22 32 4.78	-0.027	21	0.39	5.131	16	33.2	4.33	16	33.2	K0 J	14	7754
42		8.9A	51 5.660	-0.0062	15	-20 47 44.48	0.004	11	0.27	5.765	16	33.2	44.55	16	33.2	G5 J	13A	4425
43		9.3R	51 5.794	0.0002	17	-29 42 42.07	0.021	17	0.32	5.791	16	33.2	42.43	16	33.2	G M	13B	6487
44		9.2R	51 6.545	0.0006	12	-28 46 27.90	-0.015	12	0.26	6.535	16	33.2	27.65	16	33.2	F8 M	13B	6486
45		9.5R	51 7.131	-0.0011	18	-23 6 27.61	-0.016	18	0.34	7.149	16	33.2	27.35	16	33.2	K0 M	14	7757
46		8.0R	51 13.382	0.0016	18	-23 52 20.17	-0.007	18	0.34	13.355	16	33.2	20.05	16	33.2	K5 J	14	7758
47		7.9R	51 15.665	-0.0003	18	-22 42 27.48	-0.017	18	0.34	15.671	16	33.2	27.20	16	33.2	K0 J	14	7759
48		8.9R	51 18.930	-0.0002	17	-28 31 23.28	0.048	17	0.32	18.933	16	33.2	24.09	16	33.2	K0 M	13B	6488
49		8.7R	51 19.771	0.0005	17	-29 30 2.90	-0.025	17	0.32	19.763	16	33.2	2.48	16	33.2	F8 J	13B	6490
50		9.0R	51 20.385	0.0006	15	-22 35 56.43	-0.029	15	0.30	20.375	16	33.2	55.95	16	33.2	K0 J	14	7760
51		8.7R	9 51 27.054	-0.0008	12	-29 45 40.89	-0.045	12	0.26	27.067	16	33.2	40.13	16	33.2	K0 J	13B	6493
52		8.8A	51 30.743	-0.0002	18	-22 17 38.03	-0.033	13	0.31	30.746	16	33.2	37.47	16	33.2	G5 J	13A	4429
53		9.2R	51 34.271	-0.0012	18	-26 21 38.81	-0.019	18	0.34	34.292	16	33.2	38.48	16	33.2	G0 J	14	7761
54		9.3R	51 38.571	-0.0011	18	-23 26 41.11	0.028	18	0.34	38.589	16	33.2	41.59	16	33.2	K M	14	7762
55		8.2R	51 49.686	0.0014	18	-25 13 58.39	-0.015	18	0.34	49.663	16	33.2	58.14	16	33.2	K2 J	14	7763
56		8.9R	51 49.805	-0.0008	15	-25 20 0.36	0.019	15	0.30	49.819	16	33.2	0.68	16	33.2	K2 M	14	7764
57		6.9T	51 50.072	-0.0012	12	-27 45 43.72	-0.008	11	0.63	50.135	18	97.6	43.30	18	95.5	B9	GC	13625K
58		5.0T	51 56.247	-0.0139	05	-25 41 46.48	0.063	05	0.24	56.850	09	06.5	49.27	09	05.4	K0	GC	13627
59		8.5A	51 59.821	-0.0001	18	-20 3 18.33	-0.043	13	0.32	59.822	18	33.2	17.61	16	33.2	G5 J	12B	4431
60		9.0R	51 59.937	-0.0019	15	-27 46 7.05	0.026	15	0.30	59.969	16	33.2	7.49	16	33.2	K M	13B	6497
61		9.3R	52 4.678	-0.0024	15	-24 29 47.82	-0.024	15	0.30	4.719	16	33.2	47.42	16	33.2	K0 M	14	7766
62		8.3R	52 6.680	-0.0086	18	-23 4 31.80	0.045	18	0.34	6.842	16	33.2	32.57	16	33.2	G0 J	14	7767
63		8.3R	52 10.149	0.0006	20	-29 35 19.82	-0.082	20	0.37	10.139	16	33.2	18.45	16	33.2	K0 J	13B	6499
64		6.3T	52 12.529	-0.0030	11	-22 15 3.31	-0.035	11	0.65	12.697	14	93.3	1.31	14	93.0	A2	GC	13631
65		9.0A	52 19.185	-0.0025	18	-21 57 8.14	-0.001	13	0.31	19.228	16	33.2	8.12	16	33.2	A5 J	13A	4434
66		9.6R	52 23.061	-0.0051	20	-23 45 13.92	0.001	20	0.37	23.148	16	33.2	13.93	16	33.2		14	7768
67		9.5R	52 25.141	0.0037	18	-24 26 11.50	-0.023	18	0.34	25.079	16	33.2	11.11	16	33.2	G0 M	14	7769
68		9.0R	52 27.897	0.0007	20	-29 16 59.82	0.025	20	0.37	27.886	16	33.2	+ 0.25	16	33.2	M M	13B	6501
69		9.2R	52 32.397	-0.0013	18	-24 41 43.05	-0.003	18	0.34	32.419	16	33.2	43.00	16	33.2	F5 J	14	7770
70		8.4R	52 34.249	-0.0013	20	-29 28 14.30	0.006	20	0.37	34.272	16	33.2	14.41	16	33.2	F5 J	13B	6503
71		8.8R	52 38.306	-0.0013	20	-27 1 23.66	-0.016	20	0.37	38.328	16	33.2	23.40	16	33.2	K0 M	14	7771
72		8.5R	52 42.053	-0.0035	20	-27 50 23.80	0.004	20	0.37	42.112	16	33.2	23.87	16	33.2	G5 J	13B	6504
73		7.2R	52 44.960	-0.0009	18	-23 15 33.27	0.002	18	0.34	44.976	16	33.2	33.31	16	33.2	K2 J	14	7772
74		9.9R	52 46.163	-0.0034	18	-24 53 43.65	0.020	18	0.34	46.220	16	33.2	43.99	16	33.2	G0 M	14	7774
75		9.1R	52 46.369	0.0001	18	-23 47 38.44	-0.020	18	0.34	46.368	16	33.2	38.09	16	33.2	K0 M	14	7773
76		8.5A	52 46.412	-0.0022	18	-22 5 49.17	0.037	13	0.31	46.449	16	33.2	49.79	16	33.2	K0 J	13A	4437
77		9.0R	52 46.917	-0.0002	18	-25 7 45.66	0.004	18	0.34	46.921	16	33.2	45.73	16	33.2	M1 M	14	7775
78		9.0R	52 52.416	-0.0038	20	-29 23 34.96	0.046	20	0.37	52.352	16	33.2	35.74	16	33.2	G0 J	13B	6505
79		7.7R	52 57.412	-0.0014	15	-28 17 57.89	-0.022	15	0.30	57.436	16	33.2	57.52	16	33.2	K0 J	13B	6506
80		9.0R	52 59.254	0.0041	18	-22 57 5.04	-0.029	18	0.34	59.186	16	33.2	4.56	16	33.2	G5 M	14	7778
81		8.0R	53 3.367	-0.0013	20	-29 2 7.99	0.025	20	0.37	3.389	16	33.2	8.41	16	33.2	K5 J	13B	6507
82		9.3R	53 15.510	-0.0032	20	-28 43 44.27	-0.105	20	0.37	15.565	16	33.2	42.51	16	33.2	A3 J	13B	6508
83		8.7R	53 15.808	-0.0001	15	-25 17 31.97	-0.017	15	0.30	15.810	16	33.2	31.69	16	33.2	A0 J	14	7781
84		9.6R	53 17.193	0.0003	20	-22 27 55.25	-0.039	20	0.37	17.189	16	33.2	54.59	16	33.2		14	7780
85		9.2R	53 18.073	-0.0003	18	-24 28 59.06	-0.015	18	0.34	18.078	16	33.2	58.80	16	33.2	K2 M	14	7782
86		9.1R	53 18.880	-0.0065	15	-27 6 0.62	0.013	15	0.30	18.989	16	33.2	0.85	16	33.2	F5 M	14	7783
87		9.0R	53 22.369	-0.0027	18	-23 41 21.86	-0.007	18	0.34	22.416	16	33.2	21.74	16	33.2	K M	14	7784
88		9.1R	53 25.317	-0.0029	12	-28 40 38.73	0.027	12	0.26	25.366	16	33.2	39.19	16	33.2	G0 J	13B	6510
89		9.2R	53 25.857	-0.0061	15	-27 44 29.62	-0.007	15	0.30	25.960	16	33.2	29.51	16	33.2		13B	6509
90		7.7T	53 26.501	0.0118	20	-20 30 29.62	-0.116	18	0.85	25.994	21	07.1	24.51	19	06.1	G0	GC	13670
91		8.7A	53 31.778	0.0026	18	-21 36 11.54	-0.020	13	0.31	31.734	16	33.2	11.20	16	33.2	K0 J	13A	4442
92		9.0A	53 33.790	-0.0008	18	-21 15 22.05	-0.057	13	0.31	33.803	16	33.2	21.08	16	33.2	G5 J	13A	4443
93		8.6R	53 35.997	0.0009	18	-22 38 2.51	0.035	18	0.34	35.982	16	33.2	3.11	16	33.2	K5 J	14	7785
94		8.7R	53 39.972	-0.0042	20	-27 22 35.00	-0.011	20	0.37	40.043	16	33.2	34.82	16	33.2	G5 M	13B	6512
95		9.2R	53 45.472	-0.0009	15	-26 49 56.10	-0.101	15	0.30	45.487	16	33.2	54.40	16	33.2	F0 M	14	7787
96		8.5R	53 49.523	-0.0054	20	-28 15 50.15	0.003	20	0.37	49.615	16	33.2	50.24	16	33.2	A3 J	13B	6513
97		9.0R	53 50.979	0.0042	20	-28 24 46.88	0.040	20	0.37	50.909	16	33.2	47.56	16	33.2	G5 M	13B	6514
98		8.2R	53 51.289	-0.0012	18	-26 40 38.27	0.011	18	0.34	51.309	16	33.2	38.46	16	33.2	A2 J	14	7789
99		9.4R	53 52.557	0.0006	15	-24 22 25.39	-0.018	15	0.30	52.547	16	33.2	25.08	16	33.2	F5 J	14	7788
00		8.7R	53 52.982	-0.0007	18	-26 48 28.93	-0.009	18	0.34	52.994	16	33.2	28.78	16	33.2	A0 J	14	7790

-20° 9H

178200			EPOCH 1950								ORIGINAL EPOCH						SP.		SOURCE		-20° 9H
NUMBER	MAGNITUDES		α_{1950}	μ	σ_μ	δ_{1950}	μ'	σ'_μ	σ_{1950}	α_2	σ	ep.	δ_2	σ'	ep.			CAT.	STAR NUMBER	DM NUMBER
	m_{pg}	m_v	h m s	s	″.001	° ′ ″	″	″.001	″	s	″.01		″	″.01						
1		9.0R	9 53 55.836	-0.0013	20	-28 46 33.14	-0.013	20	0.37	55.858	16	33.2	32.93	16	33.2	K5	M	13B	6516	J -28 7757
2		8.1R	53 57.397	0.0007	15	-24 50 32.37	-0.020	15	0.30	57.385	16	33.2	32.04	16	33.2	K2	J	14	7791	E -24 8593
3		9.0R	54 2.805	-0.0030	21	-25 4 20.00	0.012	21	0.39	2.855	16	33.2	20.21	16	33.2	K0	J	14	7792	E -24 8596
4		8.9R	54 5.496	0.0021	18	-25 51 43.29	0.007	18	0.34	5.462	16	33.2	43.41	16	33.2	A5	J	14	7793	E -25 7613
5		8.1R	54 12.159	-0.0113	18	-23 51 43.22	0.026	18	0.34	12.349	16	33.2	43.65	16	33.2	G0	J	14	7795	E -23 8866
6		9.0R	54 12.306	-0.0011	15	-25 33 47.02	-0.019	15	0.30	12.325	16	33.2	46.69	16	33.2	F0	J	14	7796	E -25 7614
7		8.1A	54 13.624	0.0014	18	-21 0 58.82	-0.014	13	0.31	13.600	16	33.2	59.05	16	33.2	K2	J	13A	4448	A -20 3052
8		9.0A	54 21.327	-0.0053	13	-20 36 21.11	-0.035	09	0.25	21.416	16	33.2	20.52	16	33.2	K0	J	13A	4449	A -20 3053
9		8.3R	54 21.562	-0.0048	20	-29 41 58.05	0.028	20	0.37	21.643	16	33.2	58.52	16	33.2	K0	J	13B	6523	J -29 7936
10		9.1R	54 22.126	-0.0002	18	-23 10 42.68	0.008	18	0.34	22.130	16	33.2	42.82	16	33.2			14	7797	E -22 7743
11		7.9R	54 22.300	-0.0024	20	-29 53 4.74	0.020	20	0.37	22.340	16	33.2	5.08	16	33.2	K0	J	13B	6525	J -29 7937
12		8.8R	54 22.948	0.0010	12	-23 26 9.39	0.017	12	0.26	22.932	16	33.2	9.68	16	33.2	A2	J	14	7798	E -23 8869
13		8.8R	54 23.604	0.0080	15	-25 5 52.45	-0.070	15	0.30	23.470	16	33.2	51.27	16	33.2	F8	J	14	7799	E -24 8603
14		6.2T	54 30.380	-0.0087	13	-26 18 43.42	0.002	12	0.69	30.814	15	99.9	43.50	18	97.1	A2		GC	13697K	C*-25 7622
15		7.7R	54 32.734	-0.0025	12	-29 1 41.44	0.020	12	0.26	32.776	16	33.2	41.78	16	33.2	A0	J	13B	6526	J -28 7767
16		6.3T	54 38.421	-0.0063	12	-27 14 13.01	0.025	10	0.61	38.753	17	97.7	14.40	18	95.1	A2		GC	13701	C*-26 7551
17		8.0R	54 39.912	-0.0021	15	-28 18 8.31	-0.057	15	0.30	39.948	16	33.2	7.36	16	33.2	A3	J	13B	6528	J -27 7069
18		9.5R	54 41.461	0.0019	20	-22 37 24.29	0.017	20	0.37	41.429	16	33.2	24.58	16	33.2	F0	M	14	7801	E -22 7749
19		9.0R	54 49.636	-0.0054	20	-29 29 26.61	-0.011	20	0.37	49.727	16	33.2	26.63	16	33.2	K2	M	13B	6529	J -29 7945
20		9.2R	54 53.036	0.0017	20	-28 34 32.29	-0.010	20	0.37	53.007	16	33.2	32.12	16	33.2	K0	M	13B	6531	J -28 7772
21		9.4R	54 57.984	0.0040	15	-22 42 59.00	-0.030	15	0.30	57.917	16	33.2	58.50	16	33.2	K	M	14	7802	E -22 7755
22		9.1R	54 59.197	0.0049	20	-28 47 43.17	-0.057	20	0.37	59.114	16	33.2	42.22	16	33.2	F8	J	13B	6532	J -28 7774
23		8.9R	55 1.117	0.0004	20	-27 47 15.11	0.000	20	0.37	1.111	16	33.2	15.11	16	33.2	K7	M	13B	6533	J -27 7078
24		8.8R	55 2.963	-0.0010	17	-28 48 2.15	0.008	17	0.32	2.980	16	33.2	2.29	16	33.2	K2	J	13B	6534	J -28 7775
25		8.2R	55 7.038	0.0024	18	-27 3 55.34	-0.030	18	0.34	6.997	16	33.2	54.84	16	33.2	F8	J	14	7803	E -26 7561
26		8.2R	55 8.686	-0.0081	15	-26 57 28.68	-0.006	15	0.30	8.822	16	33.2	28.58	16	33.2	F2	J	14	7804	E -26 7562
27		8.6R	55 9.428	-0.0042	15	-26 22 17.71	0.019	15	0.30	9.499	16	33.2	18.03	16	33.2	G0	J	14	7805	E -26 7564
28		9.6R	55 9.563	-0.0011	20	-27 36 11.35	-0.009	20	0.37	9.581	16	33.2	11.20	16	33.2	K	M	13B	6536	J -27 7080
29		9.0R	55 10.609	0.0028	18	-26 37 6.69	-0.007	18	0.34	10.561	16	33.2	6.58	16	33.2	F8	J	14	7806	E -26 7563
30		9.4R	55 12.794	-0.0013	18	-24 41 29.01	0.002	18	0.34	12.816	16	33.2	29.05	16	33.2	G5	M	14	7807	E -24 8613
31		9.2R	55 14.108	-0.0073	12	-26 24 38.00	0.017	12	0.26	14.232	16	33.2	38.29	16	33.2	F8	J	14	7808	E -26 7565
32		8.7R	55 17.853	0.0046	15	-22 40 24.36	-0.045	15	0.30	17.776	16	33.2	23.61	16	33.2	G5	J	14	7809	E -22 7759
33		9.2R	55 22.462	-0.0034	20	-27 6 50.13	0.012	20	0.37	22.520	16	33.2	50.34	16	33.2	F8	J	14	7810	E -26 7566
34		8.7R	55 24.022	-0.0019	20	-29 26 39.49	-0.042	20	0.37	24.055	16	33.2	38.79	16	33.2	K2	J	13B	6539	J -29 7954
35		7.6A	55 26.417	0.0002	15	-20 56 34.02	-0.042	11	0.27	26.413	16	33.2	33.31	16	33.2	G5	J	13A	4453	A -20 3059
36		9.0R	55 28.703	-0.0050	15	-27 46 40.71	-0.055	15	0.30	28.788	16	33.2	39.79	16	33.2	G0	M	13B	6541	J -27 7088
37		8.9R	55 32.366	0.0017	12	-28 48 32.05	0.022	12	0.26	32.338	16	33.2	32.43	16	33.2	F5	J	13B	6542	J -28 7780
38		9.1A	55 35.063	0.0007	18	-21 14 26.36	-0.016	13	0.31	35.051	16	33.2	26.09	16	33.2	G0	J	13A	4454	A -20 3060
39		8.8R	55 35.577	-0.0031	15	-28 19 35.17	-0.052	15	0.30	35.629	16	33.2	34.30	16	33.2	K5	M	13B	6544	J -27 7090
40		8.5R	55 40.785	0.0007	12	-28 30 52.74	-0.008	12	0.26	40.773	16	33.2	52.61	16	33.2	K2	J	13B	6545	J -28 7784
41		9.3R	55 44.708	-0.0044	20	-29 17 56.82	-0.024	20	0.37	44.783	16	33.2	56.42	16	33.2	K0	M	13B	6546	J -28 7785
42		9.6R	55 47.633	0.0001	15	-24 24 38.97	0.022	15	0.30	47.632	16	33.2	39.33	16	33.2	K0	M	14	7812	E -24 8619
43		8.6R	55 50.370	0.0017	18	-23 36 26.35	-0.027	18	0.34	50.341	16	33.2	25.90	16	33.2	K0	J	14	7813	E -23 8883
44		8.3R	55 53.833	-0.0045	20	-29 22 55.84	-0.033	20	0.37	53.909	16	33.2	55.29	16	33.2	K0	J	13B	6549	J -29 7961
45		9.3R	55 54.207	0.0001	20	-29 44 11.62	-0.044	20	0.37	54.206	16	33.2	10.88	16	33.2	G0	M	13B	6550	J -29 7962
46		9.5R	55 54.692	-0.0022	18	-25 27 30.37	-0.002	18	0.34	54.729	16	33.2	30.34	16	33.2	A0	J	14	7814	E -25 7640
47		6.7T	55 56.253	-0.0011	09	-24 53 30.94	-0.003	08	0.41	56.302	14	06.6	30.80	15	01.3	A2		GC	13731	C*-24 8622
48		9.2R	55 57.067	-0.0003	18	-23 13 55.35	0.002	18	0.34	57.072	16	33.2	55.39	16	33.2			14	7815	E -22 7775
49		8.8R	55 59.040	0.0005	12	-28 54 56.48	-0.027	12	0.26	59.032	16	33.2	56.03	16	33.2	K2	J	13B	6551	J -28 7787
50		8.8A	56 1.479	-0.0006	17	-21 19 27.92	-0.022	13	0.30	1.489	16	33.2	27.55	16	33.2	K0	J	13A	4455	A -20 3061
51		9.3R	9 56 3.403	0.0007	18	-23 38 36.46	0.013	18	0.34	3.392	16	33.2	36.68	16	33.2	K0	M	14	7817	E -23 8885
52		9.5R	56 4.032	-0.0036	20	-28 31 51.39	0.055	20	0.37	4.092	16	33.2	52.32	16	33.2	K2	M	13B	6552	J -28 7788
53		8.8A	56 4.576	0.0023	17	-20 3 9.11	0.020	13	0.30	4.537	18	33.2	9.45	16	33.2	F8	J	12B	4456	A -19 2877
54		8.7R	56 6.047	-0.0011	17	-28 41 8.01	0.008	17	0.32	6.066	16	33.2	8.15	16	33.2	F8	J	13B	6553	J -28 7789
55		9.0R	56 7.431	-0.0031	21	-22 54 0.65	0.004	21	0.39	7.483	16	33.2	0.73	16	33.2	A5	M	14	7818	E -22 7780
56		9.5R	56 8.706	-0.0017	18	-22 43 7.41	-0.018	18	0.34	8.735	16	33.2	7.11	16	33.2			14	7819	E -22 7781
57		8.7A	56 11.594	-0.0018	15	-20 59 10.04	0.008	11	0.27	11.624	16	33.2	10.17	16	33.2	K5	J	13A	4457	A -20 3063
58		8.5R	56 14.122	0.0026	20	-29 58 44.36	0.007	20	0.37	14.079	16	33.2	44.48	16	33.2	K0	J	13B	6555	J -29 7969
59		7.8R	56 16.329	-0.0020	18	-24 5 49.26	0.013	18	0.34	16.363	16	33.2	49.48	16	33.2	F5	J	14	7820	E -23 8889
60		8.3A	56 20.540	-0.0017	18	-22 4 55.63	-0.004	13	0.31	20.569	16	33.2	55.56	16	33.2	K0	J	13A	4458	A -21 2957
61		7.3T	56 28.918	-0.0008	07	-29 3 54.40	-0.006	07	0.30	28.951	10	08.6	54.15	12	06.7	K0		GC	13737	C*-28 7791
62		9.1R	56 35.947	0.0005	18	-22 42 8.36	-0.015	18	0.34	35.938	16	33.2	8.12	16	33.2	F2	J	14	7821	E -22 7786
63		9.4R	56 37.289	-0.0021	17	-28 43 15.44	0.003	17	0.32	37.325	16	33.2	15.50	16	33.2	K	M	13B	6559	J -28 7792
64		9.2R	56 40.162	-0.0032	15	-26 49 37.05	0.076	15	0.30	40.216	16	33.2	38.34	16	33.2	G0	J	14	7824	E -26 7579
65		9.2R	56 40.330	0.0010	18	-23 29 56.38	0.011	18	0.34	40.313	16	33.2	56.57	16	33.2	K0	J	14	7822	E -23 8895
66		9.4R	56 40.383	-0.0009	18	-24 52 40.84	0.007	18	0.34	40.398	16	33.2	40.96	16	33.2	G0	M	14	7823	E -24 8633
67		9.3R	56 42.957	-0.0011	18	-26 59 44.19	-0.028	18	0.34	42.975	16	33.2	43.72	16	33.2	A0	J	14	7825	E -26 7580
68		8.3A	56 44.331	0.0011	20	-21 56 51.56	0.019	15	0.33	44.314	16	33.2	51.68	16	33.2	G5	J	13A	4459	A -21 2958
69		8.7A	56 44.516	-0.0018	15	-21 25 53.94	-0.000	11	0.27	44.547	16	33.2	53.94	16	33.2	K0	J	13A	4460	A -20 3065
70		9.5R	56 45.160	-0.0005	18	-24 23 16.22	0.022	18	0.34	45.169	16	33.2	16.59	16	33.2	A7	M	14	7826	E -24 8635
71		6.1T	56 47.527	-0.0038	14	-23 42 38.65	0.019	13	0.69	47.715	15	01.2	39.56	15	01.5	B5		GC	13743	C -23 8898
72		9.2R	56 49.022	-0.0013	18	-22 25 10.57	-0.027	18	0.34	49.044	16	33.2	10.11	16	33.2	K	M	14	7828	E -22 7788
73		9.3R	56 49.964	-0.0025	12	-29 15 29.42	0.076	12	0.26	50.005	16	33.2	30.71	16	33.2	K	M	13B	6562	J -28 7798
74		9.5R	56 52.317	0.0009	18	-24 39 2.01	-0.015	18	0.34	52.302	16	33.2	1.76	16	33.2	K0	M	14	7829	E -24 8637
75		9.0R	56 57.125	0.0036	20	-22 32 35.34	-0.068	20	0.37	57.064	16	33.2	34.20	16	33.2	G0	J	14	7830	E -22 7792
76		6.9T	56 57.548	-0.0014	13	-20 7 1.18	-0.026	12	0.69	57.620	22	98.3	-59.78	21	95.7	K2		GC	13744	-19 2884
77		8.6R	57 2.417	-0.0002	15	-25 56 56.99	0.041	15	0.30	2.421	16	33.2	57.67	16	33.2	K5	J	14	7831	E -25 7650
78		9.4R	57 3.220	0.0000	18	-26 36 44.64	0.015	18	0.34	3.220	16	33.2	44.90	16	33.2	K5	M	14	7832	E -26 7582
79		8.6R	57 9.113	-0.0001	18	-23 21 49.11	0.059	18	0.34	9.115	16	33.2	50.11	16	33.2	F0	J	14	7833	E -23 8902
80		8.5R	57 11.545	0.0005	18	-22 52 54.28	0.044	18	0.34	11.536	16	33.2	55.03	16	33.2	K0	J	14	7835	E -22 7795
81		9.3R	57 16.634	-0.0000	12	-24 37 1.18	-0.014	12	0.26	16.634	16	33.2	0.95	16	33.2	K0	M	14	7836	E -24 8642
82		9.5R	57 22.607	-0.0049	20	-22 32 29.89	0.023	20	0.37	22.689	16	33.2	30.29	16	33.2			14	7837	E -22 7798
83		8.9A	57 22.930	0.0034	17	-21 19 22.04	-0.065	13	0.30	22.873	16	33.2	20.94	16	33.2	F8	J	13A	4464	A -20 3066
84		7.8R	57 27.958	0.0013	18	-23 5 37.92	0.026	18	0.34	27.937	16	33.2	38.37	16	33.2	K2	J	14	7838	E -22 7801
85		7.9R	57 31.069	-0.0045	20	-28 5 45.63	0.016	20	0.37	31.144	16	33.2	45.91	16	33.2	K5	J	13B	6565	J -27 7114
86		7.3R	57 35.028	-0.0022	18	-26 9 26.90	0.022	18	0.34	35.065	16	33.2	27.27	16	33.2	K5	J	14	7839	E -25 7660
87		9.1R	57 36.296	0.0003	18	-24 52 49.98	-0.022	18	0.34	36.291	16	33.2	49.61	16	33.2	K0	M	14	7840	E -24 8647
88		9.6R	57 40.724	-0.0022	18	-25 4 33.31	-0.013	18	0.34	40.762	16	33.2	33.53	16	33.2			14	7841	E -24 8649
89		9.2R	57 46.047	0.0015	18	-24 15 45.50	-0.002	18	0.34	46.022	16	33.2	45.46	16	33.2	F0	J	14	7842	E -23 8914
90		9.0R	57 49.335	0.0014	15	-23 11 56.06	-0.019	15	0.30	49.312	16	33.2	55.75	16	33.2	K5	M	14	7844	E -22 7806
91		8.6R	57 49.378	0.0043	18	-22 50 35.61	-0.034	18	0.34	49.306	16	33.2	35.05	16	33.2	A5	J	14	7843	E -22 7807
92		8.9R	57 51.148	-0.0023	12	-28 28 24.49	0.022	12	0.26	51.188	16	33.2	24.86	16	33.2	G5	M	13B	6569	J -28 7817
93		9.1R	57 53.868	-0.0022	12	-29 47 6.93	0.025	12	0.26	53.906	16	33.2	7.35	16	33.2	K0	M	13B	6570	J -29 7993
94		8.8R	58 14.502	-0.0016	12	-29 29 37.01	0.042	12	0.26	14.529	16	33.2	37.42	16	33.2	K0	J	13B	6575	J -29 8001
95		9.3R	58 18.906	0.0027	18	-22 37 11.79	-0.002	18	0.34	18.861	16	33.2	11.76	16	33.2	G0	M	14	7845	E -22 7821
96		8.6T	58 19.428	-0.0016	15	-26 54 53.19	-0.009	13	0.72	19.508	19	01.2	52.76	21	00.1	K5		GC	13766	C -26 7595
97		9.4R	58 19.638	-0.0032	18	-24 31 46.10	-0.031	18	0.34	19.691	16	33.2	45.58	16	33.2	K0	M	14	7846	E -24 8660
98		9.3R	58 33.630	-0.0027	20	-29 28 36.07	-0.015	20	0.37	33.675	16	33.2	35.82	16	33.2	M	M	13B	6579	J -29 8011
99		9.0A	58 34.124	-0.0004	13	-21 9 13.70	-0.005	09	0.25	34.131	16	33.2	13.61	16	33.2	K5	J	13A	4469	A -20 3071
00		9.3R	58 41.380	-0.0021	20	-29 44 18.12	-0.099	20	0.37	41.416	16	33.2	16.45	16	33.2	G0	M	13B	6581	J -29 8013

178300

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ s	σ_μ ,,.001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.		SOURCE CAT.	STAR NUMBER	-20° 9H DM NUMBER
1		9.0R	9 58 41.516	-0.0013	15	-26 15 50.64	-0.022	15	0.30	41.537	16	33.2	50.26	16	33.2	K5	M	14	7849	E -25 7677
2		9.2R	58 45.411	-0.0051	20	-23 9 34.09	0.012	20	0.37	45.496	16	33.2	34.30	16	33.2	K	M	14	7850	E -22 7828
3		9.1R	58 46.678	-0.0046	17	-29 44 27.02	0.026	17	0.32	46.755	16	33.2	27.46	16	33.2	F8	J	13B	6583	J -28 8014
4		9.1R	58 48.366	-0.0025	17	-28 32 44.13	0.023	17	0.32	48.409	16	33.2	44.52	16	33.2	K0	M	13B	6584	J -28 7828
5		7.3R	58 51.370	-0.0025	15	-22 54 20.90	0.013	15	0.30	51.412	16	33.2	21.13	16	33.2	F5	J	14	7851	E -22 7830
6		8.6R	58 51.739	-0.0029	12	-29 51 14.29	0.016	12	0.26	51.788	16	33.2	14.56	16	33.2	K0	J	13B	6585	J -29 8017
7		7.2R	58 56.088	-0.0007	18	-22 31 26.38	0.025	18	0.34	56.100	16	33.2	26.81	16	33.2	A0	J	14	7852	E -22 7831
8		9.1R	58 56.417	-0.0010	15	-24 49 30.86	0.011	15	0.30	56.434	16	33.2	31.05	16	33.2	K2	M	14	7853	E -24 8667
9		9.0R	58 56.484	0.0006	20	-26 52 59.80	0.005	20	0.37	56.474	16	33.2	59.89	16	33.2	K0	M	14	7854	E -26 7902
10		9.2R	59 13.846	-0.0006	18	-25 10 10.83	0.007	18	0.34	13.257	16	33.2	10.95	16	33.2	K0	J	14	7856	E -24 8674
11		8.5R	59 18.056	-0.0071	15	-26 25 38.80	0.012	15	0.30	18.175	16	33.2	38.99	16	33.2	F5	J	14	7857	E -26 7608
12		9.3R	59 20.467	0.0004	17	-29 1 27.19	0.009	17	0.32	20.460	16	33.2	27.35	16	33.2	F2	M	13B	6589	J -28 7835
13		8.5A	59 20.810	-0.0027	18	-20 43 26.65	0.014	13	0.31	20.855	16	33.2	26.88	16	33.2	F5	J	13A	4474	A -20 3074
14		9.1R	59 23.463	0.0002	17	-22 43 16.96	-0.046	17	0.32	23.459	16	33.2	16.19	16	33.2	G	M	14	7858	E -22 7839
15		8.4R	59 24.868	-0.0037	21	-23 20 58.19	0.025	21	0.39	24.930	16	33.2	58.59	16	33.2	F0	J	14	7859	E -22 7840
16		6.9T	59 25.263	-0.0030	15	-23 33 55.31	-0.008	12	0.69	25.405	17	01.8	54.91	17	00.9	G5		GC	13782	C*-23 8928
17		7.9R	59 27.695	-0.0029	18	-26 13 22.82	0.024	18	0.34	27.744	16	33.2	23.23	16	33.2	K0	J	14	7861	E -25 7688
18		9.4R	59 30.455	-0.0007	18	-23 49 15.49	0.034	18	0.34	30.467	16	33.2	16.06	16	33.2	K	M	14	7862	E -23 8930
19		8.2T	59 35.935	-0.0064	13	-28 26 6.65	0.027	13	0.71	36.265	18	98.6	8.09	18	97.4	A0		GC	13786K	C -28 7838
20		9.3T	59 36.840	-0.0064	13	-28 25 48.40	0.020	14	0.73	37.167	17	99.0	49.43	19	99.5	A0		GC	13788K	C -28 7839
21		9.3R	59 41.928	0.0007	18	-24 13 57.61	0.008	18	0.34	41.917	16	33.2	57.74	16	33.2			14	7863	E -23 8934
22		9.5R	59 42.667	0.0017	18	-24 16 0.61	0.005	18	0.34	42.639	16	33.2	0.69	16	33.2			14	7864	E -23 8936
23		9.4R	59 46.238	-0.0025	15	-25 32 7.99	-0.012	15	0.30	46.281	16	33.2	7.79	16	33.2	F8	M	14	7865	E -25 7692
24		9.0A	59 46.765	-0.0028	18	-21 19 6.20	-0.015	13	0.31	46.813	16	33.2	5.95	16	33.2	G0	J	13A	4475	A -20 3078
25		9.0A	59 50.544	-0.0013	17	-20 35 53.81	-0.009	13	0.30	50.565	16	33.2	53.66	16	33.2	G0	J	13A	4477	A -20 3079
26		9.1A	59 52.370	-0.0062	13	-20 58 29.33	0.007	09	0.25	52.474	16	33.2	29.44	16	33.2	F8	J	13A	4478	A -20 3080
27		9.5R	59 53.197	-0.0039	18	-25 36 12.08	-0.010	18	0.34	53.263	16	33.2	11.92	16	33.2	K0	M	14	7867	E -25 7696
28		9.3R	59 53.544	-0.0011	15	-22 49 36.74	0.034	15	0.30	53.562	16	33.2	37.32	16	33.2	K	M	14	7866	E -22 7849
29	10	9.0R	0 0.728	-0.0010	18	-24 38 52.06	0.000	18	0.34	0.745	16	33.2	52.06	16	33.2	K5	M	14	7868	E -24 8686
30		9.4R	0 1.013	0.0009	15	-28 14 11.79	-0.021	15	0.30	0.999	16	33.2	11.45	16	33.2	K2	M	13B	6594	J -27 7142
31		9.1R	0 3.029	-0.0015	12	-29 20 41.72	-0.056	12	0.26	3.053	16	33.2	40.78	16	33.2	G0	M	13B	6596	J -28 7846
32		9.2R	0 13.596	-0.0003	15	-23 49 34.88	0.003	15	0.30	13.602	16	33.2	34.93	16	33.2	K2	M	14	7871	E -23 8941
33		9.5R	0 13.791	-0.0007	18	-22 22 17.81	0.012	18	0.34	13.804	16	33.2	18.01	16	33.2	K	M	14	7870	E -22 7856
34		8.6R	0 14.580	-0.0043	15	-25 13 24.45	0.010	15	0.30	14.653	16	33.2	24.62	16	33.2	F8	J	14	7872	E -24 8692
35		9.0R	0 15.432	-0.0026	20	-26 14 17.58	0.012	20	0.37	15.476	16	33.2	17.79	16	33.2	A2	J	14	7873	E -25 7702
36		6.9T	0 15.474	0.0016	09	-20 10 53.25	-0.011	10	0.55	15.387	18	95.3	52.65	17	94.2	A0		GC	13801	-19 2897
37		9.0R	0 21.255	-0.0086	12	-29 15 30.73	0.058	12	0.26	21.401	16	33.2	31.71	16	33.2	G0	M	13B	6598	J -28 7850
38		8.0A	0 27.300	-0.0011	18	-21 51 29.73	0.002	13	0.31	27.319	16	33.2	29.76	16	33.2	K5	J	13A	4481	A -21 2973
39		8.9A	0 31.976	-0.0036	18	-20 35 20.15	-0.009	13	0.31	32.037	16	33.2	20.00	16	33.2	A2	J	13A	4482	A -20 3083
40		9.0R	0 37.816	-0.0002	12	-29 4 5.61	-0.011	12	0.26	37.819	16	33.2	5.43	16	33.2	A3	J	13B	6601	J -28 7855
41		9.3R	0 41.801	-0.0008	20	-28 56 48.20	-0.071	20	0.37	41.814	16	33.2	47.01	16	33.2	G0	J	13B	6602	J -28 7856
42		9.0R	0 42.228	0.0015	18	-24 11 45.27	0.005	18	0.34	42.203	16	33.2	45.35	16	33.2	A2	J	14	7877	E -23 8951
43		8.7R	0 42.256	-0.0033	20	-26 49 30.64	0.000	00	0.28	42.311	16	33.2	30.64	16	33.2	K5	M	14	7878	E -26 7627
44		9.4R	0 45.354	0.0010	18	-24 57 1.54	-0.001	18	0.34	45.337	16	33.2	1.52	16	33.2	F8	M	14	7879	E -24 8701
45		9.0R	0 49.871	-0.0034	15	-26 51 40.01	0.045	15	0.30	49.927	16	33.2	40.77	16	33.2	K0	M	14	7880	E -26 7631
46		9.0R	0 50.391	0.0001	20	-28 25 16.02	0.012	20	0.37	50.389	16	33.2	16.22	16	33.2	A5	J	13B	6606	J -28 7857
47		8.7R	0 51.230	-0.0021	17	-29 40 5.30	-0.026	17	0.32	51.266	16	33.2	4.86	16	33.2	G0	J	13B	6607	J -29 8036
48		7.8A	0 51.485	-0.0057	15	-20 41 17.62	-0.035	11	0.27	51.581	16	33.2	17.03	16	33.2	K0	J	13A	4483	A -20 3088
49		9.2R	0 56.848	0.0003	15	-24 53 26.78	0.007	15	0.30	56.843	16	33.2	26.90	16	33.2	K0	M	14	7881	E -24 8704
50		8.9A	0 56.896	-0.0086	20	-20 55 25.25	0.050	15	0.33	57.049	16	33.2	26.09	16	33.2	G5	J	13A	4484	A -20 3089
51	10	8.9R	1 3.846	0.0011	18	-24 27 13.32	0.039	18	0.34	3.829	16	33.2	13.97	16	33.2	G0	J	14	7882	E -24 8707
52		8.4R	1 5.459	-0.0050	20	-27 7 21.90	0.011	20	0.37	5.543	16	33.2	22.09	16	33.2	K0	J	14	7883	E -26 7635
53		8.6R	1 5.944	-0.0048	20	-26 29 10.78	-0.006	20	0.37	6.024	16	33.2	10.68	16	33.2	F8	J	14	7884	E -26 7636
54		9.3R	1 20.329	0.0041	18	-24 50 35.04	-0.011	18	0.34	20.260	16	33.2	34.86	16	33.2	F8	J	14	7885	E -24 8710
55		7.8R	1 22.616	-0.0198	17	-28 48 4.01	0.031	17	0.32	22.949	16	33.2	4.54	16	33.2	G5	J	13B	6612	J -28 7862
56		7.3T	1 22.676	-0.0040	12	-26 40 1.34	0.010	11	0.62	22.684	18	98.5	1.90	18	95.8	F0		GC	13832	C -26 7639
57		6.7T	1 23.247	-0.0031	11	-25 4 26.60	0.005	12	0.64	23.408	15	97.6	26.88	18	96.0	A0		GC	13833K	C -24 8711
58		9.3R	1 31.736	-0.0021	21	-22 56 42.36	-0.041	21	0.39	31.771	16	33.2	41.68	16	33.2	G0	J	14	7889	E -22 7869
59		9.0R	1 35.904	-0.0006	18	-24 24 21.90	0.015	18	0.34	35.914	16	33.2	22.15	16	33.2	K5	M	14	7890	E -24 8714
60		8.5R	1 36.303	0.0015	18	-25 13 32.34	0.008	18	0.34	36.277	16	33.2	32.48	16	33.2	K5	J	14	7891	E -24 8716
61		7.7R	1 40.206	-0.0015	20	-28 15 23.53	0.042	20	0.37	40.232	16	33.2	24.24	16	33.2	F8	J	13B	6613	J -27 7165
62		9.0R	1 41.735	-0.0021	20	-28 11 0.92	0.052	20	0.37	41.770	16	33.2	1.81	16	33.2	K	M	13B	6614	J -27 7166
63		8.4R	1 53.941	-0.0075	15	-23 52 28.88	0.015	15	0.30	54.067	16	33.2	29.14	16	33.2	K0	J	14	7892	E -23 8971
64		9.2R	1 55.018	-0.0014	18	-23 2 9.10	-0.025	18	0.34	55.041	16	33.2	8.69	16	33.2	K2	J	14	7893	E -22 7874
65		7.6A	1 58.632	-0.0003	17	-22 18 57.79	0.005	13	0.30	58.636	16	33.2	57.87	16	33.2	K5	J	13A	4490	A -21 2976
66		7.3T	2 1.746	-0.0026	15	-28 8 7.31	-0.029	13	0.73	1.676	17	00.1	5.84	15	98.5	F8		GC	13846K	C*-27 7171
67		5.8H	2 2.261	-0.0085	02	-24 2 34.25	0.018	03	0.09	2.522	04	19.1	34.83	04	18.2	F0		F4	1260	C -23 8973
68		9.4R	2 6.721	-0.0010	18	-23 41 5.91	-0.027	18	0.34	6.738	16	33.2	5.45	16	33.2	F2	J	14	7895	E -23 8974
69		8.4R	2 9.905	-0.0012	20	-27 29 8.50	-0.044	20	0.37	9.925	16	33.2	7.76	16	33.2	K2	J	13B	6620	J -27 7172
70		9.2R	2 17.490	-0.0036	20	-29 9 10.55	0.027	20	0.37	17.491	16	33.2	11.01	16	33.2	F5	M	13B	6621	J -28 7873
71		9.1R	2 18.137	-0.0024	18	-22 39 13.24	-0.014	18	0.34	18.178	16	33.2	13.01	16	33.2	F0	J	14	7896	E -22 7882
72		9.3R	2 21.058	-0.0030	20	-28 54 39.70	0.010	20	0.37	21.108	16	33.2	39.87	16	33.2	K	M	13B	6622	J -28 7876
73		8.7R	2 21.568	-0.0025	15	-23 46 40.25	0.009	12	0.28	21.611	16	33.2	40.39	16	33.2	K0	J	14	7897	E -23 8980
74		9.3R	2 22.267	-0.0059	20	-23 43 40.39	-0.015	20	0.37	22.366	16	33.2	40.13	16	33.2			14	7898	E -23 8981
75		8.9R	2 22.995	-0.0039	18	-24 17 2.72	0.004	18	0.34	23.061	16	33.2	2.78	16	33.2	K5	M	14	7899	E -23 8982
76		9.0R	2 27.813	-0.0018	20	-29 16 16.52	0.010	20	0.37	27.842	16	33.2	16.89	16	33.2	F5	J	13B	6623	J -28 7878
77		9.2R	2 28.785	0.0000	18	-22 41 41.18	-0.073	18	0.34	28.785	16	33.2	39.96	16	33.2	G5	J	14	7900	E -22 7883
78		6.9T	2 32.664	-0.0027	07	-27 56 44.35	-0.004	07	0.33	32.783	09	06.1	44.19	09	05.8	B9		GC	13857	C*-27 7179
79		8.9A	2 36.587	-0.0012	17	-21 23 31.34	-0.015	12	0.29	36.606	16	33.2	31.09	16	33.2	A0	J	13A	4493	A -20 3092
80		9.1R	2 43.480	0.0048	18	-22 44 35.39	0.049	18	0.34	43.399	16	33.2	36.23	16	33.2	G5	J	14	7903	E -22 7886
81		9.1R	2 46.362	-0.0046	20	-28 36 35.40	0.030	20	0.37	46.439	16	33.2	35.91	16	33.2	F0	M	13B	6626	J -28 7884
82		9.4R	2 46.673	-0.0034	20	-25 43 57.11	0.011	20	0.37	46.730	16	33.2	57.29	16	33.2	F	M	14	7904	E -25 7742
83		8.6R	2 52.308	-0.0069	17	-29 59 54.19	0.016	17	0.32	52.425	16	33.2	54.46	16	33.2	G0	J	13B	6628	J -29 8070
84		9.0R	2 53.488	-0.0029	20	-29 14 3.24	0.020	20	0.37	53.537	16	33.2	3.58	16	33.2	K0	J	13B	6629	J -28 7889
85		6.9T	2 55.577	-0.0028	10	-27 57 12.98	-0.004	10	0.56	55.729	17	95.8	12.79	18	95.4	A0		GC	13864K	C*-27 7183
86		8.2A	2 58.705	-0.0015	15	-21 6 41.98	-0.011	12	0.28	58.731	16	33.2	41.79	16	33.2	M3	J	13A	4495	A -20 3094
87		8.7R	3 2.466	0.0011	18	-22 28 1.05	-0.020	18	0.34	2.449	16	33.2	0.71	16	33.2	K0	J	14	7907	E -22 7893
88		9.3R	3 2.508	-0.0056	20	-29 36 52.15	-0.033	20	0.37	2.602	16	33.2	51.60	16	33.2	K2	M	13B	6632	J -29 8071
89		8.8A	3 5.182	-0.0062	17	-20 50 14.64	0.029	13	0.30	3.287	16	33.2	15.13	16	33.2	F8	J	13A	4496	A -20 3095
90		8.8A	3 5.313	-0.0022	20	-21 13 34.57	-0.019	15	0.33	3.351	16	33.2	34.25	16	33.2	K0	J	13A	4498	A -20 3096
91		9.2R	3 4.362	0.0043	18	-25 4 57.85	-0.014	18	0.34	4.289	16	33.2	57.62	16	33.2	F0	J	14	7908	E -24 8740
92		9.0R	3 4.861	-0.0020	15	-26 52 12.24	0.036	15	0.30	4.894	16	33.2	12.89	16	33.2	K5	M	14	7909	E -26 7656
93		8.7R	3 9.691	-0.0037	20	-27 27 41.05	-0.032	20	0.37	9.754	16	33.2	40.52	16	33.2	K0	J	13B	6634	J -27 7185
94		8.2R	3 9.968	-0.0031	15	-25 26 21.26	0.020	15	0.30	10.019	16	33.2	21.60	16	33.2	K0	J	14	7910	E -25 7745
95		8.7R	3 21.788	0.0023	18	-23 55 38.79	-0.039	18	0.34	21.750	16	33.2	38.13	16	33.2	A0	J	14	7911	E -23 9001
96		8.4A	3 32.363	-0.0039	18	-20 18 5.30	-0.024	13	0.31	32.428	16	33.2	4.90	16	33.2	K0	J	13A	4500	A -19 2908
97		7.3R	3 35.316	-0.0032	15	-27 1 53.48	0.012	15	0.30	35.370	16	33.2	53.69	16	33.2	K2	J	14	7914	E -26 7663
98		9.3R	3 36.561	-0.0003	00	-27 30 20.92	-0.016	20	0.28	36.567	16	33.2	20.66	16	33.2	G	M	13B	6638	J -27 7192
99		9.6R	3 37.843	0.0010	18	-22 39 27.76	0.014	18	0.34	37.846	16	33.2	28.01	16	33.2	K5	M	14	7913	E -22 7901
00		9.3T	3 38.567	-0.0048	26	-25 35 35.24	0.050	20	1.04	38.776	24	06.1	37.50	21	04.4	F8		GC	13883	C -25 7750

178400			EPOCH 1950								ORIGINAL EPOCH						SP.		SOURCE		-20° 10H
NUMBER	MAGNITUDES		α_{1950}	μ	σ_μ	δ_{1950}	μ'	σ'_μ	σ_{1950}	α_2	σ	ep.	δ_2	σ'	ep.			CAT.	STAR NUMBER	DM NUMBER
	m_{pg}	m_v	h m s	s	″.001	° ′ ″	″	″.001	″	s	″.01		″	″.01						
1		8.5R	10 3 40.141	-0.0028	15	-25 58 56.26	-0.005	15	0.30	40.188	16	33.2	56.16	16	33.2	F2	J	14	7916	E -25 7752
2		9.0R	3 45.626	0.0009	12	-23 42 55.34	0.004	12	0.26	45.611	16	33.2	55.40	16	33.2	K0	J	14	7917	E -23 9007
3		7.2A	3 47.204	0.0004	18	-20 42 16.25	-0.025	13	0.31	47.197	16	33.2	15.83	16	33.2	K5	J	13A	4502	A -20 3101
4		9.1R	3 48.497	0.0030	15	-26 47 2.11	-0.012	15	0.30	48.446	16	33.2	1.91	16	33.2	F5	M	14	7918	E -26 7666
5		7.4R	3 49.678	-0.0020	20	-28 52 31.38	0.011	20	0.37	49.712	16	33.2	31.57	16	33.2	K0	J	13B	6640	J -28 7899
6		9.1R	3 49.954	0.0031	17	-28 55 14.81	0.020	17	0.32	49.902	16	33.2	15.15	16	33.2			13B	6641	J -28 7898
7		8.9R	3 52.802	0.0029	20	-27 44 53.76	-0.008	20	0.37	52.753	16	33.2	53.63	16	33.2	K0	M	13B	6642	J -27 7197
8		9.3R	3 59.400	0.0003	20	-29 33 42.18	-0.016	20	0.37	59.395	16	33.2	41.91	16	33.2	A3	M	13B	6646	J -29 8081
9		9.2R	3 59.608	0.0014	20	-28 37 6.46	-0.015	20	0.37	59.584	16	33.2	6.21	16	33.2	K2	M	13B	6644	J -28 7900
10		9.3R	4 0.356	-0.0038	20	-27 15 28.62	-0.029	20	0.37	0.420	16	33.2	28.14	16	33.2	A5	M	13B	6645	J -26 7670
11		8.8R	4 4.440	0.0001	18	-24 30 51.53	0.036	18	0.34	4.439	16	33.2	52.14	16	33.2	F8	J	14	7920	E -24 8759
12		9.5R	4 5.802	-0.0026	20	-25 36 56.29	0.029	20	0.37	5.846	16	33.2	56.77	16	33.2	A2	M	14	7921	E -25 7755
13		8.8R	4 7.305	-0.0020	20	-27 10 39.41	0.034	20	0.37	7.339	16	33.2	39.99	16	33.2	A0	J	14	7923	E -26 7672
14		7.8R	4 7.819	-0.0015	20	-26 21 12.60	0.000	17	0.34	7.845	16	33.2	12.61	16	33.2	K0	J	14	7922	E -25 7756
15		8.6A	4 10.318	-0.0027	15	-21 2 29.12	-0.002	12	0.28	10.364	16	33.2	29.08	16	33.2	A5	J	13A	4503	A -20 3102
16		8.5R	4 10.406	-0.0041	20	-27 53 59.89	0.015	20	0.37	10.475	16	33.2	+ 0.15	16	33.2	F8	J	13B	6648	J -27 7204
17		8.4R	4 10.496	0.0000	20	-28 24 16.61	-0.011	20	0.37	10.496	16	33.2	16.43	16	33.2	K2	J	13B	6649	J -28 7901
18		9.2A	4 10.716	-0.0062	17	-22 8 46.67	-0.011	12	0.29	10.822	16	33.2	46.48	16	33.2	G5	J	13A	4504	A -21 2981
19		8.1R	4 11.841	-0.0040	20	-29 52 33.71	0.026	20	0.37	11.908	16	33.2	34.15	16	33.2	F8	J	13B	6651	J -29 8085
20		8.7R	4 14.151	0.0015	18	-25 4 40.31	0.034	18	0.34	14.125	16	33.2	40.88	16	33.2	K0	J	14	7924	E -24 8762
21		9.2R	4 21.640	-0.0051	13	-29 48 23.79	0.007	13	0.28	21.727	16	33.2	23.91	16	33.2	G0	M	13B	6653	J -29 8088
22		9.3R	4 21.818	-0.0031	20	-26 10 31.88	0.022	20	0.37	21.871	16	33.2	32.25	16	33.2	K	M	14	7928	E -25 7761
23		9.1R	4 23.766	0.0060	18	-22 42 27.64	-0.025	18	0.34	23.665	16	33.2	27.23	16	33.2	G	M	14	7927	E -22 7913
24		8.0R	4 23.770	-0.0019	20	-28 53 29.86	-0.022	20	0.37	23.803	16	33.2	29.49	16	33.2	K0	J	13B	6655	J -28 7903
25		7.2T	4 31.557	-0.0025	15	-24 28 14.56	-0.036	16	0.77	31.675	17	01.6	12.79	19	00.9	F8		GC	13898K	C* -24 8765
26		8.5R	4 34.775	-0.0106	21	-29 43 13.50	-0.151	21	0.39	34.953	16	33.2	10.96	16	33.2	G0	J	13B	6658	J -29 8092
27		9.2R	4 36.390	0.0019	20	-29 22 29.55	-0.017	20	0.37	36.359	16	33.2	29.27	16	33.2	K	M	13B	6659	J -29 8093
28		8.5R	4 36.717	0.0002	15	-23 17 56.70	0.017	15	0.30	36.713	16	33.2	56.99	16	33.2	F0	J	14	7930	E -22 7916
29		9.1A	4 38.911	-0.0001	17	-22 16 56.18	-0.064	13	0.30	38.913	16	33.2	55.10	16	33.2	G0	J	13A	4509	A -21 2984
30		9.1R	4 40.141	0.0031	18	-24 20 57.57	0.007	18	0.34	40.089	16	33.2	57.68	16	33.2	K5	M	14	7931	E -23 9016
31		6.7T	4 46.022	0.0050	15	-21 0 40.26	-0.003	15	0.77	45.780	24	01.7	40.10	22	00.4	F2		GC	13903	-20 3104
32		7.9R	4 50.453	-0.0008	12	-28 37 22.72	0.019	12	0.26	50.467	16	33.2	23.04	16	33.2	K2	J	13B	6663	J -28 7907
33		8.5R	4 55.366	-0.0034	15	-28 4 28.47	-0.040	15	0.30	55.423	16	33.2	27.81	16	33.2	K2	J	13B	6664	J -27 7213
34		9.3R	4 59.505	-0.0007	20	-25 25 19.84	0.034	20	0.37	59.517	16	33.2	20.41	16	33.2	G	M	14	7932	E -25 7771
35		8.4R	5 5.721	-0.0004	18	-24 41 25.58	-0.002	18	0.34	5.729	16	33.2	25.55	16	33.2	K5	J	14	7934	E -24 8775
36		9.4R	5 10.395	-0.0021	20	-28 59 50.70	-0.027	20	0.37	10.431	16	33.2	50.25	16	33.2	K	M	13B	6667	J -28 7912
37		7.3T	5 11.445	-0.0014	26	-22 14 41.26	-0.007	26	1.19	11.507	19	04.2	40.93	21	03.8	M0		GC	13910	-21 2987
38		8.6R	5 13.045	-0.0007	20	-26 53 25.35	0.003	20	0.37	13.057	16	33.2	25.41	16	33.2	K2	J	14	7935	E -26 7692
39		9.1A	5 15.132	-0.0005	15	-20 29 55.81	-0.042	12	0.28	15.141	16	33.2	55.11	16	33.2	G5	J	13A	4513	A -20 3108
40		9.1R	5 15.690	-0.0006	17	-28 47 2.35	-0.016	17	0.32	15.701	16	33.2	2.09	16	33.2	K0	M	13B	6668	J -28 7913
41		9.1R	5 17.976	0.0008	20	-29 1 35.03	-0.041	20	0.37	17.963	16	33.2	34.35	16	33.2	A0	J	13B	6669	J -28 7915
42		9.4R	5 26.629	-0.0020	20	-29 24 44.24	0.004	20	0.37	26.663	16	33.2	44.31	16	33.2	K	M	13B	6670	J -29 8105
43		9.3R	5 27.477	0.0017	20	-29 48 37.66	0.009	20	0.37	27.448	16	33.2	37.81	16	33.2	K	M	13B	6671	J -29 8108
44		8.5R	5 30.000	0.0015	18	-24 53 35.59	0.000	18	0.34	29.975	16	33.2	35.59	16	33.2	G5	J	14	7936	E -24 8784
45		8.2R	5 32.402	-0.0002	18	-24 8 17.90	0.032	18	0.34	32.406	16	33.2	18.44	16	33.2	K2	J	14	7937	E -23 9023
46		8.6R	5 33.365	-0.0004	20	-29 59 53.62	-0.054	20	0.37	33.373	16	33.2	52.71	16	33.2	A2	J	13B	6672	J -29 8109
47		8.4R	5 34.431	0.0006	18	-23 48 46.20	-0.034	18	0.34	34.421	16	33.2	45.62	16	33.2	K0	J	14	7939	E -23 9024
48		9.0A	5 35.982	-0.0029	17	-20 32 17.67	-0.009	13	0.30	36.031	16	33.2	17.52	16	33.2	F2	J	13A	4514	A -20 3109
49		9.0R	5 37.021	0.0021	20	-27 52 27.83	0.013	20	0.37	36.986	16	33.2	28.05	16	33.2	G5	J	13B	6673	J -27 7223
50		8.7R	5 39.291	-0.0029	20	-28 49 2.29	-0.029	20	0.37	39.340	16	33.2	1.81	16	33.2	K5	J	13B	6674	J -28 7923
51		8.8R	10 5 43.170	0.0005	15	-24 43 8.63	0.000	15	0.30	43.162	16	33.2	8.63	16	33.2	K0	J	14	7940	E -24 8787
52		8.4R	5 48.554	-0.0010	15	-26 5 49.79	-0.006	15	0.30	48.571	16	33.2	49.68	16	33.2	K0	J	14	7941	E -25 7778
53		8.6A	5 53.061	-0.0016	18	-22 4 37.36	-0.034	13	0.31	53.089	16	33.2	36.79	16	33.2	F5	J	13A	4517	A -21 2994
54		9.2R	6 8.076	-0.0010	20	-28 22 16.16	-0.007	20	0.37	8.093	16	33.2	16.05	16	33.2	A3	M	13B	6680	J -28 7932
55		9.1A	6 9.496	0.0011	15	-21 7 54.95	-0.004	12	0.28	9.477	16	33.2	54.88	16	33.2	K7	J	13A	4520	A -20 3112
56		9.1A	6 9.744	-0.0019	18	-22 13 37.32	-0.007	15	0.32	9.777	16	33.2	37.20	16	33.2	A0	J	13A	4521	A -21 2995
57		9.5R	6 11.347	0.0017	18	-23 24 24.72	-0.027	18	0.34	11.319	16	33.2	24.27	16	33.2	F8	M	14	7943K	E -23 9036
58		8.9A	6 19.928	-0.0008	18	-20 4 5.92	0.011	15	0.33	19.942	18	33.2	6.11	16	33.2	K0	J	12B	4522	A -19 2928
59		9.0R	6 23.062	-0.0033	17	-25 26 0.70	0.011	17	0.32	23.118	16	33.2	0.89	16	33.2	A2	J	14	7945	E -25 7787
60		8.8R	6 23.453	-0.0058	20	-25 23 14.62	0.006	20	0.37	23.550	16	33.2	14.72	16	33.2			14	7946K	E -25 7788
61		7.6R	6 23.457	-0.0014	18	-24 44 29.81	0.004	18	0.34	23.480	16	33.2	29.88	16	33.2	K0	J	14	7944	E -24 8801
62		9.0R	6 25.491	0.0075	20	-28 44 17.54	-0.091	20	0.37	25.365	16	33.2	16.01	16	33.2	G0	J	13B	6685	J -28 7936
63		9.0R	6 25.534	0.0029	18	-24 53 29.41	0.016	18	0.34	25.486	16	33.2	29.68	16	33.2	K0	J	14	7947	E -24 8802
64		8.8A	6 26.597	-0.0033	17	-21 30 36.33	0.015	13	0.30	26.653	16	33.2	36.58	16	33.2	K2	J	13A	4523	A -21 2997
65		9.1R	6 31.500	0.0022	17	-29 43 16.84	0.027	17	0.32	31.462	16	33.2	17.30	16	33.2	M2	M	13B	6686	J -29 8122
66		8.6R	6 34.248	-0.0016	18	-24 13 31.41	0.018	18	0.34	34.275	16	33.2	31.71	16	33.2	K2	J	14	7948	E -23 9042
67		7.6R	6 37.079	-0.0049	17	-29 30 15.88	-0.011	17	0.32	37.162	16	33.2	15.69	16	33.2	F5	J	13B	6688	J -29 8127
68		9.0R	6 37.277	0.0020	18	-24 38 19.40	-0.049	18	0.34	37.244	16	33.2	18.58	16	33.2	F5	J	14	7949	E -24 8805
69		9.5R	6 38.830	-0.0019	15	-23 48 38.99	0.001	15	0.30	38.863	16	33.2	39.00	16	33.2	G0	M	14	7950	E -23 9043
70		8.4R	6 39.152	0.0004	15	-24 48 52.46	0.007	15	0.30	39.146	16	33.2	52.58	16	33.2	K0	J	14	7951	E -24 8807
71		7.9R	6 47.700	0.0002	18	-23 19 14.16	-0.043	18	0.34	47.696	16	33.2	13.44	16	33.2	G5	J	14	7952	E -22 7953
72		8.7R	6 48.491	-0.0005	18	-23 14 42.77	0.014	18	0.34	48.499	16	33.2	43.01	16	33.2	F8	J	14	7953	E -22 7954
73		8.6R	6 48.641	0.0068	15	-25 32 58.98	-0.136	15	0.30	48.527	16	33.2	56.69	16	33.2	G5	J	14	7954	E -25 7793
74		8.7R	6 50.435	-0.0059	18	-23 40 19.04	0.077	18	0.34	50.535	16	33.2	20.33	16	33.2	F8	J	14	7955	E -23 9044
75		9.1R	6 55.088	-0.0052	18	-24 56 50.55	0.014	18	0.34	55.175	16	33.2	50.79	16	33.2	A0	M	14	7956	E -24 8809
76		9.1A	7 1.460	-0.0021	18	-21 25 0.41	-0.027	13	0.31	1.495	16	33.2	-59.95	16	33.2	M0	J	13A	4525	A -20 3115
77		8.3R	7 1.829	0.0006	20	-27 39 14.71	0.007	20	0.37	1.818	16	33.2	14.83	16	33.2	K0	J	13B	6689	J -27 7238
78		9.5R	7 11.299	-0.0016	20	-24 3 2.57	0.018	20	0.37	11.326	16	33.2	2.87	16	33.2	K0	M	14	7957	E -23 9048
79		9.1R	7 12.133	0.0001	18	-24 37 36.61	-0.007	18	0.34	12.132	16	33.2	36.50	16	33.2	K0	J	14	7958	E -24 8813
80		8.5A	7 17.972	-0.0007	17	-22 0 25.35	0.031	13	0.30	17.984	16	33.2	25.87	16	33.2	K2	J	13A	4526	A -21 2998
81		9.2R	7 18.610	-0.0019	18	-23 58 16.99	-0.041	18	0.34	18.643	16	33.2	16.30	16	33.2	F8	J	14	7959	E -23 9050
82		9.1R	7 19.020	0.0008	18	-28 14 22.98	0.004	18	0.34	19.007	16	33.2	23.05	16	33.2	K5	M	13B	6693	J -27 7242
83		8.6R	7 21.403	-0.0001	18	-23 38 30.82	-0.001	18	0.34	21.404	16	33.2	30.80	16	33.2	A5	J	14	7960	F -23 9051
84		8.3Q	7 24.555	-0.0071	16	-21 25 36.62	0.138	14	0.66	24.844	18	09.2	42.55	18	06.9	F8		GC	13964	-20 3116
85		9.3R	7 27.500	-0.0033	17	-29 7 9.21	0.057	17	0.32	27.556	16	33.2	10.18	16	33.2	K0	M	13B	6695	J -28 7946
86		9.5R	7 30.597	-0.0077	18	-23 48 18.08	-0.025	18	0.34	30.727	16	33.2	17.65	16	33.2	K0	M	14	7961	E -23 9055
87		9.6R	7 34.208	-0.0011	15	-25 8 47.59	0.005	15	0.30	34.227	16	33.2	47.68	16	33.2	G5	J	14	7963	E -24 8819
88		9.2R	7 34.695	-0.0019	18	-23 43 24.28	0.014	18	0.34	34.728	16	33.2	24.51	16	33.2	F8	J	14	7962	E -23 9056
89		8.5R	7 40.197	-0.0015	17	-29 2 21.18	-0.009	17	0.32	40.223	16	33.2	21.34	16	33.2	K2	J	13B	6697	J -28 7947
90		9.4R	7 40.385	0.0015	15	-22 52 13.98	-0.018	15	0.30	40.359	16	33.2	13.69	16	33.2	K0	M	14	7964	E -22 7961
91		9.6R	7 43.745	-0.0053	20	-23 0 11.55	-0.002	20	0.37	43.834	16	33.2	11.53	16	33.2	G	M	14	7965	E -22 7963
92		9.2R	7 45.405	-0.0018	20	-28 48 43.12	-0.008	20	0.37	45.435	16	33.2	42.99	16	33.2	F8	M	13B	6698	J -28 7948
93		8.8R	7 47.010	-0.0003	18	-23 24 15.76	0.001	18	0.34	47.016	16	33.2	15.79	16	33.2	K2	J	14	7966	E -23 9059
94		8.8R	7 56.285	-0.0090	15	-25 50 1.20	0.085	15	0.30	56.436	16	33.2	2.63	16	33.2	G5	J	14	7969	E -25 7805
95		9.5R	7 57.234	0.0011	18	-23 26 37.82	0.015	18	0.34	57.215	16	33.2	38.08	16	33.2	A2	J	14	7968	E -23 9063
96		8.4R	7 57.378	-0.0021	12	-27 57 17.48	-0.010	12	0.26	57.414	16	33.2	17.31	16	33.2	A5	J	13B	6700	J -27 7248
97		9.5R	8 4.133	-0.0036	18	-22 31 51.95	0.060	18	0.34	4.194	16	33.2	52.97	16	33.2	G0	M	14	7970	E -22 7969
98		9.6R	8 8.267	0.0052	18	-22 50 25.61	0.015	18	0.34	8.181	16	33.2	25.87	16	33.2	G	M	14	7971	E -22 7970
99		9.4R	8 11.522	-0.0016	15	-22 52 36.63	0.025	18	0.32	11.550	16	33.2	37.06	16	33.2	K0	M	14	7972	E -22 7972
00		9.3R	8 20.198	-0.0006	18	-25 15 49.51	0.041	18	0.34	20.208	16	33.2	50.20	16	33.2	K5	M	14	7974	E -24 8828

178500			EPOCH 1950									ORIGINAL EPOCH						SP.	SOURCE		-20° 10H
NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	α_{1950} h m s	μ s	σ_μ ".001	δ_{1950} ° ′ ″	μ' ″	σ_μ ".001	σ_{1950} ″	α_2 s	σ ".01	ep.	δ_2 ″	σ' ".01	ep.		CAT.	STAR NUMBER	DM NUMBER
1		8.9R	10 8 21.737	0.0044	18	-25 53 23.70	-0.054	18	0.34	21.663	16	33.2	22.78	16	33.2	F8 J	14	7976	E -25 7810
2		9.0R	8 21.790	0.0012	18	-22 48 48.60	0.028	18	0.34	21.770	16	33.2	49.08	16	33.2	A0 J	14	7973	E -22 7975
3		9.1R	8 29.897	-0.0004	18	-22 24 23.04	0.043	18	0.34	29.903	16	33.2	23.76	16	33.2	F5 J	14	7977	E -22 7977
4		9.3R	8 30.374	0.0002	15	-26 4 46.68	0.007	15	0.30	30.371	16	33.2	46.79	16	33.2	K0 M	14	7979	E -25 7812
5		7.9R	8 32.833	0.0023	15	-25 11 27.63	-0.039	15	0.30	32.794	16	33.2	26.98	16	33.2	M0 M	14	7980	E -24 6833
6		9.2R	8 39.636	-0.0006	12	-23 37 4.02	-0.008	12	0.26	39.646	16	33.2	3.88	16	33.2	A2 J	14	7981	E -23 9075
7		8.7A	8 46.009	-0.0010	13	-20 33 33.25	-0.006	11	0.26	45.993	16	33.2	33.14	16	33.2	F5 J	13A	4536	A -20 3120
8		9.0R	8 56.555	-0.0030	15	-28 0 14.68	0.036	15	0.30	56.605	16	33.2	15.29	16	33.2	G5 M	13B	6710	J -27 7257
9		9.5R	8 59.981	-0.0062	18	-26 59 47.82	0.081	18	0.34	0.065	16	33.2	49.19	16	33.2	K M	14	7984	E -26 7729
10		9.2R	9 0.217	0.0012	18	-22 53 22.01	0.008	18	0.34	0.197	16	33.2	22.15	16	33.2	M0 J	14	7982	E -22 7984
11		8.7R	9 1.618	-0.0025	18	-24 56 3.19	0.032	18	0.34	1.660	16	33.2	3.73	16	33.2	K0 J	14	7983	E -24 8841
12		8.8A	9 6.893	0.0024	17	-21 15 47.20	-0.040	13	0.30	6.852	16	33.2	46.52	16	33.2	K2 J	13A	4541	A -20 3122
13		9.3R	9 7.458	0.0003	15	-23 38 16.61	-0.000	15	0.30	7.453	16	33.2	16.60	16	33.2	A0 J	14	7985	E -23 9080
14		9.5R	9 9.109	-0.0019	15	-25 18 30.15	0.000	15	0.30	9.142	16	33.2	30.15	16	33.2	G0 M	14	7986	E -24 8843
15		8.8R	9 9.824	-0.0002	20	-25 7 46.14	0.004	20	0.37	9.828	16	33.2	46.21	16	33.2	F5 J	14	7987	E -24 8845
16		8.4R	9 21.983	-0.0016	18	-26 27 47.67	0.007	18	0.34	22.011	16	33.2	47.79	16	33.2	K0 J	14	7988	E -26 7734
17		9.3R	9 23.691	-0.0056	15	-25 58 29.16	0.011	15	0.30	23.785	16	33.2	29.33	16	33.2	F8 M	14	7989	E -25 7819
18		9.2R	9 24.435	-0.0021	12	-29 29 49.19	-0.019	12	0.26	24.470	16	33.2	48.88	16	33.2	F8 M	13B	6716	J -29 8162
19		8.9A	9 25.511	-0.0025	17	-20 44 49.30	-0.026	13	0.30	25.553	16	33.2	48.86	16	33.2	F8 J	13A	4542	A -20 3123
20		9.1R	9 27.376	-0.0016	12	-28 36 13.07	0.035	12	0.26	27.403	16	33.2	13.66	16	33.2	K0 M	13B	6718	J -28 7973
21		8.4R	9 30.408	-0.0002	18	-22 23 2.55	0.002	18	0.34	30.411	16	33.2	2.58	16	33.2	K2 J	14	7990	E -22 7989
22		9.2R	9 31.973	0.0019	15	-26 12 42.21	-0.036	15	0.30	31.940	16	33.2	41.59	16	33.2	A3 J	14	7992	E -25 7824
23		9.4R	9 32.083	-0.0033	15	-25 42 36.59	0.019	15	0.30	32.138	16	33.2	36.90	16	33.2	F5 M	14	7993	E -25 7822
24		8.4A	9 35.178	-0.0024	15	-21 2 7.37	0.016	11	0.27	35.218	16	33.2	7.64	16	33.2	K0 J	13A	4545	A -20 3124
25		8.9R	9 41.997	0.0028	12	-22 58 26.83	0.007	12	0.26	41.949	16	33.2	26.96	16	33.2	F8 J	14	7994	E -22 7991
26		6.1T	9 45.903	-0.0022	11	-28 21 31.06	-0.018	10	0.60	46.021	17	96.8	30.08	17	94.3	A0	GC	14010K	C*-27 7266
27		8.9A	9 46.081	-0.0017	20	-22 2 14.35	-0.003	15	0.33	46.052	16	33.2	14.30	16	33.2	F5 J	13A	4547	A -21 3007
28		8.5R	9 53.046	-0.0054	18	-27 0 47.23	0.016	18	0.34	53.136	16	33.2	47.51	16	33.2	G5 J	14	7995K	E -26 7739
29		8.7R	9 55.308	-0.0007	18	-24 39 55.59	0.000	18	0.34	55.320	16	33.2	55.59	16	33.2	K2 J	14	7996	E -24 8859
30		8.8R	9 56.374	0.0005	18	-23 51 22.31	-0.017	18	0.34	56.365	16	33.2	22.02	16	33.2	K2 J	14	7997	E -23 9095
31		9.5R	10 10.951	0.0010	18	-23 22 1.02	-0.004	18	0.34	10.935	16	33.2	0.96	16	33.2	F8 M	14	7998	E -23 9096
32		8.6R	10 13.283	-0.0098	15	-26 19 41.29	0.024	15	0.30	13.447	16	33.2	41.70	16	33.2	G0 J	14	7999	E -25 7833
33		8.6R	10 18.561	-0.0009	18	-24 53 26.33	0.003	18	0.34	18.576	16	33.2	26.38	16	33.2	K0 J	14	8000	E -24 8864
34		9.2R	10 21.837	-0.0013	18	-25 31 20.12	-0.017	18	0.34	21.860	16	33.2	19.82	16	33.2	F0 J	14	8001	E -25 7834
35		9.1R	10 22.759	-0.0029	18	-24 41 29.02	0.034	18	0.34	22.807	16	33.2	29.59	16	33.2	K2 M	14	8003	E -24 8865
36		9.1R	10 23.949	0.0019	18	-23 2 28.06	0.026	18	0.34	23.917	16	33.2	28.50	16	33.2	G5 J	14	8002	E -22 8003
37		9.3R	10 28.282	0.0003	12	-28 53 13.55	0.005	12	0.26	28.277	16	33.2	13.64	16	33.2	G5 M	13B	6729	J -28 7990
38		9.4R	10 30.005	-0.0023	18	-23 34 25.01	0.013	18	0.34	30.044	16	33.2	25.22	16	33.2	F0 J	14	8004	E -23 9100
39		7.4T	10 31.261	-0.0054	11	-29 15 5.34	0.027	09	0.57	31.542	15	97.8	6.91	18	92.7	G5	GC	14029	C -28 7991
40		8.6R	10 35.654	-0.0034	15	-28 15 54.75	-0.044	15	0.30	35.711	16	33.2	54.01	16	33.2	G5 J	13B	6733	J -27 7278
41		9.6R	10 35.831	0.0037	18	-24 6 30.76	0.005	18	0.34	35.768	16	33.2	30.84	16	33.2	G5 M	14	8006	E -23 9103
42		9.0R	10 36.280	0.0080	15	-22 56 31.53	-0.014	15	0.30	36.179	16	33.2	31.30	16	33.2	G5 M	14	8005	E -22 8004
43		8.5R	10 50.694	0.0000	12	-29 57 3.67	-0.014	12	0.26	50.694	16	33.2	3.44	16	33.2	K2 M	13B	6735	J -29 8180
44		6.2T	11 1.262	-0.0044	05	-26 46 52.52	0.034	05	0.22	1.448	07	08.0	54.02	09	06.5	F0	GC	14039	C -26 7752
45		9.3R	11 2.935	0.0004	18	-24 51 26.46	0.000	18	0.34	2.929	16	33.2	26.46	16	33.2	G5 M	14	8008	E -24 8874
46		9.3R	11 4.241	-0.0015	12	-28 42 24.06	-0.044	12	0.26	4.266	16	33.2	23.32	16	33.2	G0 M	13B	6736	J -28 7998
47		8.3R	11 24.681	-0.0042	15	-27 42 48.23	0.004	15	0.30	24.752	16	33.2	48.30	16	33.2	K0 J	13B	6740	J -27 7291
48		8.6R	11 29.649	-0.0030	18	-23 59 44.67	0.006	18	0.34	29.700	16	33.2	44.76	16	33.2	K0 J	14	8009	E -23 9111
49		7.6R	11 31.220	0.0001	18	-24 49 55.55	0.033	18	0.34	31.218	16	33.2	56.11	16	33.2	K0 J	14	8010	E -22 8013
50		9.2A	11 35.550	-0.0004	18	-20 39 38.79	-0.009	13	0.31	35.556	16	33.2	38.64	16	33.2	K0 J	13A	4558	A -20 3129
51		8.8R	10 11 39.967	0.0002	12	-28 44 37.37	0.022	12	0.26	39.963	16	33.2	37.75	16	33.2	K M	13B	6741	J -28 8002
52		8.7A	11 40.657	-0.0014	15	-21 54 26.69	-0.042	11	0.27	40.680	16	33.2	25.98	16	33.2	K0 J	13A	4559	A -21 3010
53		8.8R	11 40.898	-0.0015	20	-28 54 52.13	-0.007	20	0.37	40.923	16	33.2	52.02	16	33.2	K0 M	13B	6742	J -28 8003
54		9.4R	11 40.971	0.0008	15	-22 49 10.06	-0.001	15	0.30	40.957	16	33.2	10.05	16	33.2	G0 M	14	8011	E -22 8014
55		9.4R	11 41.415	-0.0056	12	-28 27 31.60	0.033	12	0.26	41.510	16	33.2	32.16	16	33.2	A5 M	13B	6743	J -28 8004
56		9.5R	11 45.628	0.0026	18	-24 6 17.43	0.021	18	0.34	45.585	16	33.2	17.78	16	33.2	K0 M	14	8013	E -23 9117
57		8.6A	11 46.205	-0.0018	13	-21 47 39.74	0.014	11	0.26	46.235	16	33.2	39.97	16	33.2	K5 J	13A	4560	A -21 3012
58		6.7T	11 48.550	-0.0009	12	-23 33 55.62	0.020	12	0.66	48.602	17	95.5	56.69	17	96.1	M0	GC	14060	C -23 9119
59		8.8R	11 50.551	-0.0020	20	-27 44 23.25	-0.012	20	0.37	50.585	16	33.2	23.06	16	33.2	A2 M	13B	6744	J -27 7296
60		9.5R	11 59.995	0.0039	15	-24 6 1.88	0.007	15	0.30	59.930	16	33.2	1.99	16	33.2	K0 M	14	8016	E -23 9120
61		9.0R	12 14.043	0.0035	15	-26 47 16.32	-0.010	15	0.30	13.984	16	33.2	16.15	16	33.2	G5 J	14	8017	E -26 7766
62		8.5A	12 15.767	-0.0032	17	-21 28 45.01	0.004	13	0.30	15.820	16	33.2	45.07	16	33.2	A2 J	13A	4561	A -21 3013
63		9.3R	12 16.536	0.0040	20	-28 29 30.01	-0.010	20	0.36	16.469	16	33.2	29.85	16	33.2	F0 M	13B	6748	J -28 8015
64		9.1R	12 17.082	-0.0039	18	-22 52 35.68	-0.017	18	0.34	17.147	16	33.2	35.40	16	33.2	K2 J	14	8018	E -22 8025
65		9.2R	12 19.395	-0.0022	20	-28 27 11.07	0.016	20	0.36	19.431	16	33.2	11.34	16	33.2	K M	13B	6749	J -28 8016
66		9.4R	12 20.499	0.0005	18	-24 52 40.14	0.012	18	0.34	20.490	16	33.2	40.35	16	33.2	F8 J	14	8020	E -24 8893
67		8.6R	12 20.681	-0.0022	15	-22 35 2.55	0.004	15	0.30	20.718	16	33.2	2.63	16	33.2	F0 J	14	8019	E -22 8027
68		9.5R	12 21.241	-0.0046	20	-27 28 48.46	-0.006	20	0.36	21.317	16	33.2	48.37	16	33.2	K M	13B	6750	J -27 7302
69		9.2R	12 21.698	0.0030	20	-29 24 12.65	-0.015	20	0.36	21.647	16	33.2	12.40	16	33.2	G5 M	13B	6752	J -29 8201
70		9.5R	12 22.423	-0.0016	20	-27 26 49.29	-0.019	20	0.36	22.451	16	33.2	48.98	16	33.2	F5 M	13B	6751	J -27 7303
71		8.9R	12 24.552	-0.0015	18	-24 19 51.11	0.014	18	0.34	24.578	16	33.2	51.34	16	33.2	A5 J	14	8021	E -23 9125
72		9.3R	12 28.296	0.0003	18	-25 33 34.02	0.011	18	0.34	28.292	16	33.2	34.19	16	33.2	K0 M	14	8022	E -25 7871
73		9.0R	12 31.840	-0.0026	18	-25 9 13.22	-0.006	18	0.34	31.884	16	33.2	13.12	16	33.2	K2 J	14	8023	E -24 8896
74		8.6R	12 33.706	-0.0011	17	-28 34 16.56	0.022	17	0.32	33.726	16	33.2	16.93	16	33.2	A3 J	13B	6756	J -28 8019
75		8.3R	12 34.937	-0.0008	18	-25 18 11.69	0.054	18	0.34	34.951	16	33.2	12.60	16	33.2	K2 J	14	8024	E -24 8898
76		8.4R	12 35.107	-0.0037	18	-27 3 34.72	-0.069	18	0.34	35.168	16	33.2	33.57	16	33.2	K2 J	14	8025	E -26 7769
77		8.8A	12 36.022	-0.0016	13	-21 58 22.96	-0.042	09	0.25	36.050	16	33.2	22.25	16	33.2	K0 J	13A	4564	A -21 3014
78		8.0R	12 41.030	-0.0019	18	-25 6 3.48	0.007	18	0.34	41.061	16	33.2	3.60	16	33.2	K2 J	14	8026	E -24 8899
79		8.5R	12 46.965	-0.0003	18	-24 44 19.52	-0.006	18	0.34	46.970	16	33.2	19.42	16	33.2	K5 J	14	8028	E -24 8903
80		9.4R	12 48.091	-0.0011	18	-26 1 15.29	0.022	18	0.34	48.110	16	33.2	15.66	16	33.2	K0 M	14	8030	E -25 7874
81		9.6R	12 48.194	-0.0013	18	-24 29 35.92	-0.049	18	0.34	48.216	16	33.2	35.09	16	33.2	F8 M	14	8029	E -24 8904
82		8.6R	12 55.547	-0.0009	18	-27 40 10.78	0.024	18	0.34	55.562	16	33.2	11.18	16	33.2	K0 M	13B	6757	J -27 7311
83		9.5R	12 56.316	-0.0010	20	-29 29 53.88	0.009	20	0.36	56.332	16	33.2	54.04	16	33.2	A2 M	13B	6759	J -29 8212
84		9.5R	12 59.616	0.0018	18	-22 39 56.50	0.012	18	0.34	59.587	16	33.2	56.71	16	33.2	K0 M	14	8031	E -22 8038
85		9.3R	13 3.106	-0.0029	18	-25 30 13.03	0.011	18	0.34	3.155	16	33.2	13.21	16	33.2	F0 J	14	8032	E -25 7877
86		8.9R	13 4.501	0.0018	18	-25 5 53.06	0.018	18	0.34	4.471	16	33.2	53.36	16	33.2	K0 J	14	8033	E -24 8907
87		9.3R	13 17.945	-0.0028	15	-23 43 53.12	-0.001	15	0.30	17.992	16	33.2	53.10	16	33.2	F8 M	14	8036	E -23 9135
88		9.0R	13 24.169	0.0000	18	-23 28 38.42	0.029	18	0.34	24.169	16	33.2	38.91	16	33.2	F5 M	14	8037	E -23 9136
89		8.7R	13 28.573	0.0026	18	-27 11 50.69	-0.028	15	0.32	28.529	16	33.2	50.23	16	33.2	G5 J	14	8038	E -26 7788
90		9.0R	13 30.122	-0.0086	18	-28 10 40.87	-0.067	18	0.34	30.266	16	33.2	39.75	16	33.2	K0 M	13B	6764	J -27 7320
91		8.8R	13 34.196	-0.0016	18	-26 14 8.72	-0.012	18	0.34	34.223	16	33.2	8.52	16	33.2	M M	14	8040	E -25 7884
92		8.5R	13 37.719	-0.0028	15	-26 15 48.83	-0.032	15	0.30	37.766	16	33.2	48.30	16	33.2	F0 J	14	8041	E -25 7887
93		9.0R	13 38.156	-0.0003	18	-26 6 29.55	-0.002	18	0.34	38.161	16	33.2	29.50	16	33.2	K5 M	14	8042	E -25 7886
94		9.2R	13 40.996	-0.0020	15	-22 24 19.36	0.014	15	0.30	41.029	16	33.2	19.59	16	33.2	A0 J	14	8043	E -22 8047
95		8.7R	13 42.156	-0.0006	17	-26 23 43.79	-0.029	17	0.32	42.166	16	33.2	43.31	16	33.2		14	8044	E -26 7790
96		8.6T	13 42.271	-0.0023	17	-26 20 42.77	0.024	14	0.79	42.378	22	02.7	44.00	21	99.7	B9	GC	14093	C -25 7868
97		7.3T	13 47.158	-0.0181	10	-28 21 55.27	0.045	12	0.62	48.119	15	96.9	57.74	18	95.7	F8	GC	14097	C -27 7328
98		9.4R	13 52.872	-0.0000	15	-24 31 22.21	0.010	15	0.30	52.872	16	33.2	22.38	16	33.2	G0 M	14	8048	E -24 8917
99		8.3R	13 56.971	-0.0016	18	-27 27 35.39	-0.016	18	0.34	56.997	16	33.2	35.13	16	33.2	F0 J	13B	6768	J -27 7329
00		8.7R	13 59.616	-0.0056	20	-29 35 22.16	-0.056	20	0.36	59.710	16	33.2	21.22	16	33.2	G0 M	13B	6769	J -29 8225

178600

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	σ'_μ ″.001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	SOURCE CAT.	STAR NUMBER	-20° 10H DM NUMBER
1		7.7T	10 14 1.555	0.0024	20	-28 43 42.28	-0.015	14	0.85	1.442	21	02.9	41.53	19	99.1	F5	GC	14111K	C*-28 8041
2		8.8A	14 3.526	-0.0041	17	-21 50 23.80	0.020	13	0.30	3.595	16	33.2	24.13	16	33.2	F5 J	13A	4570	A -21 3020
3		9.3R	14 8.312	-0.0034	18	-23 5 36.72	0.023	18	0.34	8.369	16	33.2	37.11	16	33.2	G5 J	14	8049	E -22 8052
4		8.6A	14 13.966	-0.0024	17	-22 19 22.73	-0.014	13	0.30	14.006	16	33.2	22.49	16	33.2	K2 J	13A	4573	A -21 3021
5		8.9R	14 14.715	0.0001	20	-29 16 25.33	-0.054	20	0.36	14.714	16	33.2	24.43	16	33.2	K0 M	13B	6772	J -28 8044
6		9.4R	14 14.796	-0.0003	20	-23 14 34.02	0.034	20	0.36	14.802	16	33.2	34.60	16	33.2	K M	14	8050	E -22 8053
7		7.8A	14 19.362	-0.0029	18	-22 13 57.84	-0.014	13	0.31	19.411	16	33.2	57.60	16	33.2	K0 J	13A	4574	A -21 3022
8		9.0R	14 20.931	-0.0005	20	-28 57 59.24	-0.026	20	0.36	20.939	16	33.2	58.81	16	33.2	K5 M	13B	6774	J -28 8046
9		9.3R	14 22.487	-0.0034	20	-28 28 45.73	0.019	20	0.36	22.545	16	33.2	46.05	16	33.2	A0 M	13B	6775	J -28 8047
10		6.5T	14 23.307	-0.0093	16	-20 25 11.58	-0.043	15	0.78	23.761	19	01.2	9.47	18	00.6	F5	GC	14121K	B*-19 2964
11		9.0R	14 23.660	-0.0033	20	-28 57 33.81	-0.020	20	0.36	23.716	16	33.2	33.48	16	33.2	F8 M	13B	6777	J -28 8048
12		8.8R	14 25.087	-0.0034	15	-24 25 33.44	0.011	15	0.30	25.144	16	33.2	33.62	16	33.2	A3 J	14	8052	E -24 8928
13		9.5R	14 25.657	0.0037	18	-23 29 56.70	0.032	18	0.34	25.596	16	33.2	57.24	16	33.2	K0 M	14	8051	E -23 9150
14		8.8A	14 27.265	-0.0011	13	-20 14 37.83	-0.038	09	0.26	27.284	18	33.2	37.20	16	33.2	A5 J	12B	4576	A -19 2965
15		9.4R	14 27.790	0.0004	18	-22 41 1.42	-0.009	18	0.34	27.784	16	33.2	1.28	16	33.2	F5 M	14	8053	E -22 8056
16		9.3R	14 29.454	-0.0030	20	-28 26 40.94	0.020	20	0.36	29.504	16	33.2	41.28	16	33.2	F5 M	13B	6779	J -28 8050
17		9.6R	14 34.680	0.0060	18	-23 2 36.14	-0.078	18	0.34	34.579	16	33.2	34.84	16	33.2	K0 M	14	8054	E -22 8061
18		7.6R	14 43.995	-0.0012	20	-29 25 10.62	-0.020	20	0.36	44.016	16	33.2	10.29	16	33.2	F5 J	13B	6781	J -29 8234
19		9.4R	14 52.711	-0.0005	15	-25 23 42.24	0.000	15	0.30	52.719	16	33.2	42.24	16	33.2	F5 M	14	8056	E -25 7902
20		9.0R	14 52.854	-0.0011	18	-23 56 41.51	0.013	18	0.34	52.873	16	33.2	41.72	16	33.2	G0 M	14	8055	E -23 9152
21		8.6R	14 56.843	0.0020	15	-26 36 46.92	-0.039	12	0.28	56.809	16	33.2	46.27	16	33.2	K5 J	14	8058	E -26 7806
22		9.4R	14 57.009	0.0007	18	-22 57 51.92	0.047	18	0.34	56.998	16	33.2	52.72	16	33.2	A2 J	14	8057	E -22 8068
23		8.6R	14 58.061	-0.0024	18	-24 49 46.61	-0.043	18	0.34	58.100	16	33.2	45.89	16	33.2	F8 J	14	8059	E -24 8934
24		8.7R	15 5.472	0.0010	15	-25 27 49.46	0.005	15	0.30	5.455	16	33.2	49.54	16	33.2	M0 M	14	8060	E -25 7904
25		9.3R	15 5.554	-0.0051	17	-29 31 4.94	0.026	17	0.32	5.640	16	33.2	5.38	16	33.2	G5 M	13B	6784	J -29 8237
26		9.2R	15 6.983	-0.0008	20	-29 37 25.64	-0.034	20	0.36	6.997	16	33.2	25.07	16	33.2	F0 M	13B	6786	J -29 8238
27		7.0R	15 12.712	-0.0006	18	-23 37 33.57	-0.006	18	0.34	12.723	16	33.2	33.46	16	33.2	K0 J	14	8061	E -23 9159
28		9.1R	15 14.354	0.0007	18	-23 27 15.53	-0.019	18	0.34	14.342	16	33.2	15.22	16	33.2	A0 J	14	8062	E -23 9160
29		8.9R	15 17.220	-0.0048	20	-29 12 16.56	-0.044	20	0.36	17.301	16	33.2	15.83	16	33.2	A2 M	13B	6787	J -28 8062
30		7.8A	15 18.234	-0.0100	15	-21 20 21.12	0.044	11	0.27	18.401	16	33.2	21.86	16	33.2	A2 J	13A	4578	A -20 3143
31		8.6R	15 20.208	-0.0010	18	-22 24 21.09	0.002	18	0.34	20.224	16	33.2	21.12	16	33.2	G0 J	14	8063	E -22 8073
32		9.5R	15 22.168	-0.0003	18	-24 35 42.02	-0.023	18	0.34	22.173	16	33.2	41.64	16	33.2	F5 M	14	8064	E -24 8937
33		9.2A	15 22.484	-0.0008	18	-20 12 33.90	0.025	13	0.32	22.498	18	33.2	34.32	16	33.2	A5 J	12B	4580	A -19 2968
34		9.0R	15 22.798	0.0013	17	-29 43 14.46	-0.033	17	0.32	22.776	16	33.2	13.91	16	33.2	A2 J	13B	6789	J -29 8241
35		9.1R	15 23.774	-0.0002	18	-23 6 57.00	0.014	18	0.34	23.777	16	33.2	57.25	16	33.2	K0 M	14	8065	E -22 8074
36		8.4R	15 24.086	0.0020	20	-28 34 15.60	-0.056	20	0.36	24.052	16	33.2	14.67	16	33.2	K0 J	13B	6790	J -28 8063
37		8.3R	15 26.969	-0.0028	20	-28 59 3.82	-0.058	20	0.36	29.016	16	33.2	2.85	16	33.2	K2 J	13B	6791	J -28 8065
38		7.4T	15 30.655	0.0010	22	-20 46 31.38	-0.030	20	0.98	30.611	26	05.9	29.97	24	03.6	K5	GC	14134	-20 3145
39		8.9R	15 33.505	0.0004	15	-25 14 40.43	-0.038	15	0.30	33.498	16	33.2	39.80	16	33.2	K0 J	14	8066	E -24 8941
40		8.3R	15 34.532	-0.0031	18	-27 18 10.10	-0.020	18	0.34	34.583	16	33.2	9.77	16	33.2	K0 J	13B	6792	J -26 7813
41		9.3R	15 36.787	-0.0006	18	-23 17 52.18	-0.012	18	0.34	36.797	16	33.2	51.99	16	33.2	F5 M	14	8067	E -22 8080
42		9.5R	15 36.996	-0.0006	20	-24 17 31.45	0.032	20	0.36	37.006	16	33.2	31.98	16	33.2	A5 M	14	8068	E -23 9162
43		9.4R	15 44.261	0.0022	12	-24 17 20.61	0.008	12	0.26	44.224	16	33.2	20.74	16	33.2	G M	14	8069	E -23 9164
44		5.6H	15 49.908	-0.0012	02	-28 44 29.04	0.008	02	0.09	49.943	04	19.8	29.30	05	19.1	B9	F4	1265	C -28 8070
45		9.1R	15 49.914	-0.0030	20	-28 17 45.10	-0.022	20	0.36	49.964	16	33.2	44.73	16	33.2	A5 M	13B	6795	J -27 7357
46		8.7R	15 51.669	-0.0136	20	-26 56 30.42	0.011	20	0.36	51.897	16	33.2	30.61	16	33.2	G5 J	14	8070	E -26 7816
47		8.5R	15 59.369	0.0028	18	-23 28 41.73	0.023	18	0.34	59.322	16	33.2	42.12	16	33.2	K0 J	14	8071	E -23 9169
48		9.2R	15 59.683	0.0019	18	-25 1 42.16	0.007	18	0.34	59.652	16	33.2	42.28	16	33.2	A3 J	14	8072	E -24 8947
49		9.1R	16 0.188	0.0020	20	-27 46 53.48	0.007	20	0.36	0.155	16	33.2	53.60	16	33.2	A5 M	13B	6799	J -27 7359
50		9.1A	16 0.498	-0.0012	18	-20 14 34.19	-0.037	13	0.32	0.518	18	33.2	33.58	16	33.2	K2 J	12B	4583	A -19 2970
51		7.8R	10 16 1.915	-0.0029	12	-22 30 20.23	0.015	12	0.26	1.964	16	33.2	20.49	16	33.2	A3 J	14	8073	E -22 8085
52		9.0R	16 2.187	-0.0005	18	-25 4 55.63	0.011	18	0.34	2.195	16	33.2	55.82	16	33.2	K0 M	14	8074	E -24 8948
53		9.5R	16 3.440	-0.0025	20	-23 42 23.50	0.039	20	0.36	3.481	16	33.2	24.15	16	33.2	F8 M	14	8075	E -23 9170
54		7.7R	16 5.566	0.0031	15	-26 14 55.66	-0.035	15	0.30	5.514	16	33.2	55.06	16	33.2	K0 J	14	8076	E -25 7916
55		8.9R	16 10.365	0.0018	18	-24 47 12.54	0.032	18	0.34	10.336	16	33.2	13.08	16	33.2	M1 M	14	8078	E -24 8953
56		8.9R	16 10.820	0.0012	18	-25 55 31.76	0.005	18	0.34	10.801	16	33.2	31.85	16	33.2	F8 M	14	8079	E -25 7918
57		9.1R	16 10.868	-0.0013	18	-22 24 25.18	-0.029	18	0.34	10.910	16	33.2	24.69	16	33.2	G0 M	14	8077	E -22 8087
58		9.2R	16 11.491	-0.0019	18	-25 3 59.49	0.010	18	0.34	11.522	16	33.2	59.66	16	33.2	M0 M	14	8080	E -24 8954
59		9.3R	16 11.921	0.0009	12	-29 50 42.07	-0.009	12	0.26	11.907	16	33.2	41.92	16	33.2	G0 M	13B	6801	J -29 8251
60		9.1R	16 14.566	-0.0009	15	-28 15 21.07	-0.018	15	0.30	14.581	16	33.2	20.77	16	33.2	K5 M	13B	6802	J -27 7364
61		9.4R	16 18.691	0.0020	18	-22 56 37.35	0.013	18	0.34	18.657	16	33.2	37.58	16	33.2	F M	14	8081	E -22 8088
62		9.0R	16 21.727	-0.0019	20	-25 29 54.08	-0.032	20	0.36	21.758	16	33.2	53.55	16	33.2	K2 M	14	8083	E -25 7920
63		9.4R	16 25.165	-0.0008	20	-27 20 55.04	0.000	20	0.36	25.179	16	33.2	55.04	16	33.2	A2 J	13B	6803	J -26 7826
64		8.7R	16 27.796	-0.0008	12	-28 0 58.29	0.012	12	0.26	27.809	16	33.2	58.49	16	33.2	A2 J	13B	6804	J -27 7366
65		7.4R	16 28.830	0.0026	15	-22 55 49.27	-0.008	15	0.30	28.786	16	33.2	49.15	16	33.2	G5 J	14	8084	E -22 8091
66		8.9R	16 28.921	-0.0028	20	-25 58 33.80	-0.000	20	0.36	28.968	16	33.2	33.79	16	33.2	K0 M	14	8085	E -25 7922
67		9.1R	16 29.902	-0.0038	17	-26 22 40.31	-0.015	17	0.32	29.966	16	33.2	40.05	16	33.2	G5 M	14	8086	E -25 7924
68		8.0R	16 34.507	-0.0069	20	-28 11 12.12	0.000	20	0.36	34.623	16	33.2	12.13	16	33.2	F5 J	13B	6806	J -27 7367
69		8.3A	16 36.589	0.0003	17	-20 3 35.86	-0.009	13	0.30	36.584	18	33.2	35.71	16	33.2	K0 J	12B	4586	A -19 2974
70		9.2R	16 37.692	-0.0011	17	-28 29 51.28	-0.007	17	0.32	37.710	16	33.2	51.17	16	33.2	K5 M	13B	6808	J -28 8078
71		8.7R	16 42.833	0.0026	15	-25 20 43.99	-0.018	15	0.30	42.790	16	33.2	43.69	16	33.2	G0 J	14	8088	E -24 8962
72		8.1A	16 43.494	-0.0006	13	-21 42 59.28	-0.044	09	0.25	43.504	16	33.2	58.54	16	33.2	K0 J	13A	4587	A -21 3030
73		8.3R	16 43.882	0.0016	15	-22 54 46.25	-0.001	15	0.30	43.855	16	33.2	46.24	16	33.2	F5 J	14	8087K	E -22 8093
74		8.3T	16 48.993	-0.0045	12	-28 42 31.47	0.006	09	0.56	49.222	17	99.0	31.80	17	96.9	F0	GC	14165	C -28 8081
75		9.1R	16 50.105	-0.0025	20	-29 26 27.15	0.018	20	0.36	50.148	16	33.2	27.45	16	33.2	K0 M	13B	6812	J -29 8258
76		9.2R	16 50.331	-0.0033	18	-25 26 45.74	-0.014	18	0.34	50.386	16	33.2	45.98	16	33.2	F8 M	14	8089	E -25 7927
77		9.1R	16 53.733	-0.0073	20	-27 44 32.18	-0.041	20	0.36	53.856	16	33.2	31.50	16	33.2	G5 M	13B	6813	J -27 7371
78		9.2R	16 55.663	-0.0004	18	-24 52 1.98	-0.014	18	0.34	55.656	16	33.2	2.22	16	33.2	K0 M	14	8090	E -24 8965
79		9.0R	16 58.624	-0.0009	18	-26 48 18.87	-0.121	18	0.34	58.639	16	33.2	16.85	16	33.2	K0 M	14	8091	E -26 7833
80		9.7R	17 1.639	-0.0039	20	-24 17 26.23	0.059	20	0.36	1.704	16	33.2	27.21	16	33.2		14	8092	E -23 9188
81		8.6R	17 4.108	0.0020	12	-25 2 9.71	0.003	12	0.26	4.075	16	33.2	9.76	16	33.2	K2 J	14	8093	E -24 8969
82		9.1A	17 5.173	-0.0042	18	-20 15 11.11	0.002	13	0.32	5.243	18	33.2	11.15	16	33.2	A0 J	12B	4591	A -19 2977
83		8.4R	17 16.278	0.0001	12	-29 10 20.36	0.018	12	0.26	16.276	16	33.2	20.66	16	33.2	K2 J	13B	6815	J -28 8089
84		8.4R	17 22.580	0.0040	15	-26 55 57.95	0.006	15	0.30	22.512	16	33.2	58.06	16	33.2	G5 J	14	8095	E -26 7838
85		8.5R	17 22.712	-0.0059	18	-24 58 44.12	0.050	18	0.34	22.811	16	33.2	44.96	16	33.2	F8 J	14	8094	E -24 8971
86		9.7R	17 25.679	-0.0046	18	-24 43 50.36	0.007	18	0.34	25.755	16	33.2	50.48	16	33.2	G M	14	8097	E -24 8972
87		7.3A	17 26.833	-0.0004	17	-22 16 18.14	0.001	13	0.30	26.840	16	33.2	18.16	16	33.2	K0 J	13A	4592	A -21 3035
88		7.5R	17 27.204	0.0002	18	-22 43 9.77	-0.001	18	0.34	27.200	16	33.2	9.76	16	33.2	M2 M	14	8096	E -22 8102
89		9.1R	17 28.836	-0.0039	15	-22 28 37.99	-0.002	15	0.30	28.902	16	33.2	37.95	16	33.2	G0 M	14	8098	E -22 8104
90		8.1R	17 29.684	0.0055	20	-28 42 38.26	0.022	20	0.36	29.593	16	33.2	38.63	16	33.2	G0 J	13B	6819	J -28 8091
91		9.7R	17 32.619	-0.0004	20	-24 2 6.90	0.006	20	0.36	32.626	16	33.2	7.00	16	33.2	K M	14	8099	E -23 9193
92		9.0R	17 36.317	0.0011	18	-26 8 1.46	-0.010	18	0.34	36.299	16	33.2	1.29	16	33.2	F8 M	14	8100	E -25 7938
93		8.9A	17 39.685	0.0003	15	-20 58 21.13	-0.015	11	0.27	39.680	16	33.2	21.38	16	33.2	K0 J	13A	4595	A -20 3150
94		8.9R	17 41.154	-0.0032	15	-28 10 40.59	-0.017	15	0.30	41.208	16	33.2	40.31	16	33.2	G5 J	13B	6820	J -27 7382
95		9.3R	17 45.048	-0.0002	17	-28 24 3.94	0.007	17	0.32	45.051	16	33.2	4.06	16	33.2	K0 M	13B	6821	J -28 8093
96		8.2R	17 47.642	-0.0031	15	-27 17 44.51	0.027	15	0.30	47.693	16	33.2	44.97	16	33.2	K0 J	13B	6822	J -26 7840
97		9.4R	17 49.594	0.0073	13	-24 8 1.02	-0.043	13	0.27	49.473	16	33.2	0.29	16	33.2	G0 M	14	8101	E -23 9200
98		8.9R	17 49.903	-0.0032	17	-23 30 24.40	0.037	17	0.32	49.958	16	33.2	25.02	16	33.2	A5 J	14	8102	E -23 9201
99		7.9R	17 50.626	-0.0042	12	-28 25 0.02	0.032	12	0.26	50.696	16	33.2	0.56	16	33.2	K2 J	13B	6823	J -28 8094
00		7.6R	17 51.555	-0.0007	18	-22 51 3.38	0.014	18	0.34	51.567	16	33.2	3.63	16	33.2	G5 J	14	8103	E -22 8112

178700

EPOCH 1950 — ORIGINAL EPOCH — SOURCE — -20° 10H

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	α_{1950} h m s	μ_s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	CAT.	STAR NUMBER	DM NUMBER
1		8.9R	10 17 54.667	-0.0049	15	-22 53 58.72	0.041	15	0.30	54.749	16	33.2	59.42	16	33.2	A3 J	14	8104	E -22 8114
2		10.0R	17 58.370	-0.0125	21	-24 34 57.72	0.031	21	0.38	58.580	16	33.2	58.24	16	33.2		14	8105	E -24 8975
3		9.4R	18 8.498	0.0003	12	-23 1 2.13	0.015	12	0.26	8.493	16	33.2	2.39	16	33.2	K0 M	14	8106	E -22 8117
4		9.3R	18 10.414	0.0019	15	-26 48 42.15	-0.014	15	0.30	10.382	16	33.2	41.92	16	33.2	A3 J	14	8109	E -26 7843
5		9.4R	18 11.234	-0.0076	21	-23 23 31.49	-0.079	21	0.38	11.361	16	33.2	30.17	16	33.2	K0 J	14	8107	E -23 9206
6		6.5R	18 12.046	-0.0037	18	-23 23 16.55	-0.014	18	0.34	12.108	16	33.2	16.32	16	33.2	K0 J	14	8108	E -23 9206
7		9.2R	18 30.083	-0.0010	12	-28 52 23.57	-0.005	12	0.26	30.110	16	33.2	23.49	16	33.2	K5 M	13B	6828	J -28 8102
8		9.6R	18 32.455	0.0034	18	-23 46 24.35	0.008	18	0.34	32.399	16	33.2	24.48	16	33.2	A0 M	14	8111	E -23 9211
9		9.2R	18 32.858	0.0005	15	-28 37 2.72	-0.005	15	0.30	32.849	16	33.2	2.64	16	33.2	K5 M	14	8112	E -28 7850
10		8.9R	18 39.149	0.0028	12	-28 29 24.84	0.101	12	0.26	39.102	16	33.2	26.54	16	33.2	G5 J	13B	6829	J -28 8105
11		8.7R	18 41.767	0.0009	16	-22 34 46.68	-0.004	18	0.34	41.752	16	33.2	46.62	16	33.2	F8 J	14	8113	E -22 8127
12		9.4R	18 47.298	0.0028	15	-22 57 15.62	-0.012	15	0.30	47.252	16	33.2	15.43	16	33.2	G0 M	14	8114	E -22 8128
13		9.0A	18 50.823	0.0002	15	-21 41 57.12	0.002	11	0.27	50.821	16	33.2	57.15	16	33.2	F5 J	13A	4602	A -21 3044
14		9.0A	18 51.109	-0.0072	18	-20 48 36.31	0.019	13	0.31	51.230	16	33.2	36.83	16	33.2	F5 J	13A	4603	A -20 3156
15		8.7A	18 52.385	-0.0019	15	-20 37 45.24	-0.000	11	0.27	52.416	16	33.2	45.24	16	33.2	F8 J	13A	4604	A -20 3157
16		9.2R	18 57.722	-0.0045	18	-26 55 27.05	-0.008	18	0.34	57.797	16	33.2	26.92	16	33.2	F0 M	14	8115	E -26 7857
17		6.9T	19 1.111	-0.0016	10	-25 7 13.70	-0.002	10	0.57	1.198	17	95.2	13.60	17	94.0	K0	GC	14218	C -24 8992
18		9.6R	19 1.861	-0.0019	20	-23 4 40.19	0.039	20	0.36	1.893	16	33.2	40.85	16	33.2	K2 M	14	8116	E -22 8132
19		9.1R	19 4.184	-0.0021	12	-28 54 28.56	-0.001	12	0.26	4.219	16	33.2	28.55	16	33.2	A5 M	13B	6832	J -28 8111
20		8.2R	19 4.500	-0.0021	18	-26 0 34.80	-0.007	18	0.34	4.535	16	33.2	34.67	16	33.2	F8 J	14	8118	E -25 7957
21		6.5T	19 7.393	-0.0037	07	-23 27 30.84	0.020	07	0.29	7.544	07	09.3	31.64	07	10.7	A3	GC	14223	-22 2904
22		9.3R	19 12.177	0.0018	18	-22 36 30.07	0.008	18	0.34	12.148	16	33.2	30.21	16	33.2	G0 J	14	8120	E -22 8137
23		6.5T	19 13.947	-0.0024	16	-22 16 33.51	0.002	13	0.76	14.062	18	01.1	33.60	18	98.7	A0	GC	14227K	B+-21 3045
24		9.0R	19 13.968	-0.0013	12	-29 59 51.73	-0.014	12	0.26	13.990	16	33.2	51.50	16	33.2	A3 J	13B	6834	J -29 8291
25		7.7T	19 14.901	-0.0037	10	-29 41 7.80	0.019	08	0.41	15.054	15	08.1	8.63	15	05.9	K0	GC	14229	C -29 8292
26		8.9R	19 16.118	-0.0011	15	-25 14 28.09	0.033	15	0.30	16.136	16	33.2	28.65	16	33.2	M2 M	14	8121	E -24 8995
27		8.1R	19 17.018	0.0019	18	-28 1 32.69	-0.025	18	0.34	16.987	16	33.2	32.28	16	33.2	K2 J	13B	6836	J -27 7398
28		9.4R	19 20.515	-0.0028	15	-27 44 5.11	-0.024	15	0.30	20.563	16	33.2	4.72	16	33.2	K M	13B	6837	J -27 7399
29		9.5R	19 23.786	-0.0020	18	-24 47 3.06	-0.026	18	0.34	23.819	16	33.2	2.63	16	33.2	F8 M	14	8122	E -24 8997
30		7.8R	19 29.623	-0.0019	15	-24 10 59.64	0.019	15	0.30	29.656	16	33.2	59.95	16	33.2	F8 J	14	8123	E -23 9225
31		8.8R	19 32.762	-0.0002	12	-28 37 32.72	0.026	12	0.26	32.766	16	33.2	33.16	16	33.2	F0 J	13B	6838	J -28 8117
32		9.2R	19 34.691	0.0026	18	-25 20 24.71	0.007	18	0.34	34.647	16	33.2	24.83	16	33.2	F8 M	14	8125K	E -24 9000
33		7.1A	19 38.177	-0.0027	17	-20 19 23.33	-0.006	13	0.30	38.223	16	33.2	23.23	16	33.2	K0 J	13A	4607	A -19 2986
34		9.1R	19 38.240	-0.0024	18	-24 45 8.14	0.019	18	0.34	38.279	16	33.2	8.46	16	33.2	G5 M	14	8126	E -24 9002
35		9.2R	19 41.164	0.0005	18	-23 5 7.24	-0.001	18	0.34	41.156	16	33.2	7.23	16	33.2	K0 J	14	8127	E -22 8144
36		9.4R	19 41.286	-0.0048	18	-24 9 46.06	0.018	18	0.34	41.346	16	33.2	46.36	16	33.2	F0 M	14	8128	E -23 9228
37		8.2A	19 46.542	-0.0017	15	-21 1 23.74	-0.004	11	0.27	46.570	16	33.2	23.67	16	33.2	A0 J	13A	4609	A -21 3161
38		9.5R	19 48.132	-0.0109	15	-23 57 20.58	0.040	15	0.30	48.315	16	33.2	21.24	16	33.2	F5 M	14	8129	E -23 9229
39		8.9A	19 49.187	-0.0024	16	-20 25 32.23	-0.002	13	0.31	49.228	16	33.2	32.20	16	33.2	F0 J	13A	4611	A -19 2988
40		8.9R	20 1.481	-0.0018	12	-28 43 49.72	0.013	12	0.26	1.511	16	33.2	49.94	16	33.2	F0 J	13B	6843	J -28 8121
41		7.3T	20 3.995	-0.0018	10	-29 18 12.34	0.075	10	0.55	4.089	17	97.8	16.44	17	95.4	G5	GC	14246	C -28 8124
42		8.8R	20 5.064	0.0010	17	-28 36 41.53	0.075	17	0.32	5.048	16	33.2	42.79	16	33.2	G5 J	13B	6846	J -28 8125
43		9.4R	20 6.443	0.0014	15	-24 17 3.02	0.021	15	0.30	6.420	16	33.2	3.37	16	33.2	K M	14	8130	E -23 9233
44		9.1R	20 11.046	-0.0013	12	-26 35 35.55	-0.018	12	0.26	11.068	16	33.2	35.25	16	33.2	K2 M	14	8131	E -26 7872
45		9.2R	20 12.647	0.0032	15	-24 41 54.81	-0.010	15	0.30	12.593	16	33.2	54.65	16	33.2	F5 M	14	8132	E -24 9014
46		9.1R	20 20.055	-0.0030	15	-23 31 16.09	0.026	15	0.30	20.106	16	33.2	16.52	16	33.2	G0 J	14	8134	E -23 9237
47		8.5R	20 20.097	0.0017	15	-23 34 44.49	0.003	15	0.30	20.069	16	33.2	44.54	16	33.2	G0 M	14	8133K	E -23 9236
48		9.3R	20 20.851	0.0016	18	-23 52 10.71	-0.007	18	0.34	20.824	16	33.2	10.59	16	33.2	G0 M	14	8135	E -23 9238
49		8.9R	20 20.988	0.0004	15	-26 17 19.62	-0.002	15	0.30	20.981	16	33.2	19.57	16	33.2	K5 J	14	8136	E -25 7976
50		9.5R	20 23.875	-0.0017	18	-23 42 56.01	-0.026	18	0.34	23.904	16	33.2	55.57	16	33.2		14	8137	E -23 9240
51		8.1R	10 20 30.675	0.0004	15	-26 25 13.42	-0.007	15	0.30	30.668	16	33.2	13.29	16	33.2	K0 J	14	8138	E -26 7876
52		7.5R	20 32.649	-0.0082	20	-27 45 39.41	0.008	20	0.36	32.708	16	33.2	39.55	16	33.2	G0 J	13B	6854	J -27 7406
53		6.7R	20 33.053	-0.0004	20	-27 26 7.96	-0.057	20	0.36	33.060	16	33.2	7.01	16	33.2	K0 M	13B	6853	J -27 7408
54		9.2A	20 35.809	-0.0041	17	-21 3 44.25	-0.004	13	0.30	35.878	16	33.2	44.18	16	33.2	G0 J	13A	4614	A -20 3163
55		6.7T	20 37.953	0.0021	12	-24 4 48.46	-0.026	11	0.63	37.840	18	97.5	46.99	17	93.8	B9	GC	14262	C+-23 9246
56		9.2R	20 46.754	-0.0050	20	-28 21 18.77	-0.011	20	0.36	46.837	16	33.2	18.59	16	33.2	K5 M	13B	6855	J -27 7410
57		9.0R	20 51.345	-0.0043	18	-22 34 58.35	-0.003	18	0.34	51.417	16	33.2	58.31	16	33.2	F8 J	14	8142	E -22 8161
58		8.9R	20 51.610	-0.0005	18	-23 25 57.95	0.013	18	0.34	51.619	16	33.2	58.17	16	33.2	F2 J	14	8143	E -23 7990
59		6.3T	20 55.394	0.0002	10	-29 54 31.47	-0.015	09	0.54	55.381	18	96.3	30.61	18	93.2	F0	GC	14269	C -29 8306
60		9.5R	21 3.672	-0.0039	15	-25 21 28.63	0.060	15	0.30	3.738	16	33.2	29.64	16	33.2	F8 M	14	8144	E -24 9018
61		7.4R	21 9.830	-0.0065	15	-25 48 11.56	0.026	15	0.30	9.940	16	33.2	11.98	16	33.2	F2 J	14	8146	E -25 7994
62		8.6R	21 13.448	-0.0051	12	-29 11 57.85	0.003	12	0.26	13.533	16	33.2	57.91	16	33.2	K2 J	13B	6858	J -28 8144
63		8.6R	21 14.112	0.0007	17	-29 51 3.02	-0.017	17	0.32	14.100	16	33.2	2.74	16	33.2	K5 J	13B	6859	J -29 8310
64		9.0R	21 14.777	0.0038	20	-29 18 58.48	0.015	20	0.36	14.714	16	33.2	58.74	16	33.2	K2 J	13B	6860	J -28 8146
65		9.1R	21 15.233	-0.0025	20	-29 19 4.98	0.048	20	0.36	15.274	16	33.2	5.79	16	33.2	K2 J	13B	6861	J -28 8146
66		8.1R	21 15.328	-0.0076	15	-23 12 49.36	-0.008	15	0.30	15.455	16	33.2	49.24	16	33.2	F8 J	14	8147	E -22 8163
67		8.0R	21 16.140	0.0007	20	-28 53 3.93	0.002	20	0.36	16.129	16	33.2	3.97	16	33.2	K2 J	13B	6862	J -28 8145
68		9.5R	21 22.014	-0.0008	20	-23 20 46.25	0.020	20	0.36	22.028	16	33.2	46.59	16	33.2	F0 M	14	8148	E -22 8166
69		9.6R	21 24.077	-0.0024	18	-22 52 59.73	0.069	18	0.34	24.117	16	33.2	+ 0.89	16	33.2	G0 M	14	8149	E -22 8167
70		9.0A	21 24.565	-0.0034	17	-21 56 6.34	-0.000	13	0.30	24.622	16	33.2	6.34	16	33.2	K5 J	13A	4620	A -21 3052
71		6.9T	21 37.244	-0.0033	05	-29 23 35.56	0.095	05	0.28	37.399	10	02.8	40.23	12	01.0	G5	GC	14287	C -29 8316
72		9.3R	21 45.275	-0.0022	18	-26 18 55.90	-0.012	18	0.34	45.313	16	33.2	55.69	16	33.2	F8 M	14	8150	E -25 8007
73		9.5R	21 49.988	-0.0012	20	-24 11 4.26	-0.002	20	0.36	50.008	16	33.2	4.22	16	33.2	F0 M	14	8151	E -23 9257
74		8.3R	21 53.727	-0.0040	15	-27 10 20.71	-0.016	15	0.30	53.793	16	33.2	20.45	16	33.2	F0 J	14	8153	E -26 7884
75		7.0T	21 53.810	-0.0252	20	-24 21 12.37	0.085	18	0.92	55.002	18	02.6	16.39	18	02.7	G0	GC	14292	C -23 9258
76		7.3R	22 5.643	-0.0050	18	-25 18 43.66	-0.008	18	0.34	5.727	16	33.2	43.53	16	33.2	K0 J	14	8157	E -24 9035
77		9.4R	22 5.737	0.0019	15	-22 23 5.15	0.040	15	0.30	5.705	16	33.2	5.82	16	33.2	A2 J	14	8155	E -22 8175
78		8.5A	22 6.697	-0.0015	17	-22 13 23.27	0.027	13	0.30	6.722	16	33.2	23.72	16	33.2	K2 J	13A	4624	A -21 3056
79		9.1R	22 7.090	-0.0006	18	-22 34 35.97	0.014	18	0.34	7.101	16	33.2	36.22	16	33.2	G5 M	14	8156	E -22 8174
80		9.1R	22 9.137	0.0037	18	-23 28 42.61	-0.007	18	0.34	9.075	16	33.2	42.50	16	33.2	F8 M	14	8158	E -23 9266
81		9.2R	22 10.877	-0.0028	20	-28 27 42.71	-0.027	20	0.36	10.924	16	33.2	42.26	16	33.2	F8 M	13B	6869	J -28 8151
82		9.3R	22 13.867	-0.0025	12	-28 52 39.27	0.019	12	0.26	13.909	16	33.2	39.59	16	33.2	G5 M	13B	6870	J -28 8153
83		9.4R	22 15.709	-0.0037	15	-27 22 11.32	-0.037	15	0.30	15.772	16	33.2	10.71	16	33.2	F5 M	13B	6871	J -26 7892
84		8.6A	22 19.981	-0.0022	13	-21 16 27.64	0.003	11	0.26	20.018	16	33.2	27.69	16	33.2	A0 J	13A	4626	A -20 3169
85		8.6R	22 21.695	-0.0004	20	-26 39 43.29	-0.004	20	0.36	21.701	16	33.2	43.23	16	33.2	K0 J	14	8160	E -26 7895
86		9.1R	22 24.601	0.0008	18	-23 51 12.74	0.004	18	0.34	24.587	16	33.2	12.80	16	33.2	K5 M	14	8161	E -23 9270
87		8.4R	22 25.151	-0.0018	20	-27 1 21.52	-0.032	20	0.36	25.181	16	33.2	20.99	16	33.2	F2 J	14	8163	E -26 7896
88		8.7R	22 26.415	0.0028	15	-25 9 42.52	0.012	15	0.30	26.369	16	33.2	42.72	16	33.2	K0 J	14	8162	E -24 9039
89		7.9R	22 28.896	0.0015	18	-24 43 4.36	0.000	18	0.34	28.872	16	33.2	4.36	16	33.2	K5 J	14	8164	E -24 9040
90		8.8R	22 29.012	-0.0023	20	-25 32 22.66	0.029	20	0.36	29.051	16	33.2	23.13	16	33.2	K5 M	14	8165	E -25 8019
91		8.9R	22 36.933	-0.0008	17	-27 47 2.40	0.042	17	0.32	36.946	16	33.2	3.11	16	33.2	G5 J	13B	6873	J -27 7429
92		8.5R	22 38.087	-0.0017	17	-29 41 49.28	-0.015	17	0.32	38.115	16	33.2	49.03	16	33.2	A3 J	13B	6874	J -29 8328
93		9.0A	22 38.625	-0.0005	18	-20 21 13.10	-0.018	13	0.31	38.634	16	33.2	12.80	16	33.2	F J	13A	4627	A -19 3003
94		7.7R	22 39.982	-0.0009	20	-27 22 1.48	0.067	20	0.36	39.997	16	33.2	2.60	16	33.2	K2 J	13B	6875	J -26 7901
95		7.3R	22 44.550	-0.0031	15	-26 6 13.61	-0.003	15	0.30	44.603	16	33.2	13.55	16	33.2	K0 J	14	8166	E -25 8022
96		9.1R	22 47.475	-0.0053	20	-27 56 6.93	0.079	20	0.36	47.564	16	33.2	8.26	16	33.2	K0 M	13B	6876	J -27 7434
97		8.3R	22 54.978	0.0004	18	-23 16 59.90	0.029	18	0.34	54.972	16	33.2	+ 0.39	16	33.2	K5 J	14	8167	E -22 8182
98		8.6R	22 59.650	-0.0070	20	-27 51 19.99	-0.019	20	0.36	59.768	16	33.2	19.68	16	33.2	F0 M	13B	6878	J -27 7436
99		8.2R	23 1.539	0.0020	17	-22 20 37.95	-0.012	17	0.32	1.506	16	33.2	37.75	16	33.2	K2 J	14	8168	E -25 8024
00		9.2R	23 4.146	-0.0058	20	-22 55 7.37	0.018	20	0.36	4.243	16	33.2	7.68	16	33.2	G0 M	14	8169	E -22 8185

178800

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	EPOCH 1950 μ s	EPOCH 1950 σ_μ ″.001	EPOCH 1950 δ_{1950} ° ′ ″	EPOCH 1950 μ' ″	EPOCH 1950 σ'_μ ″.001	EPOCH 1950 σ_{1950} ″	ORIGINAL EPOCH α_2 s	ORIGINAL EPOCH σ .01	ORIGINAL EPOCH ep.	ORIGINAL EPOCH δ_2 ″	ORIGINAL EPOCH σ' .01	ORIGINAL EPOCH ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	-20° 10H DM NUMBER
1		6.8T	10 23 5.267	-0.0042	08	-28 56 21.70	0.007	07	0.36	5.447	09	07.2	22.01	10	06.6	K0	GC	14317	C -28 8164
2		8.3A	23 12.148	0.0023	18	-21 41 55.14	-0.015	15	0.32	12.109	16	33.2	54.89	16	33.2	K0 J	13A	4631	A -21 3061
3		9.0R	23 13.102	-0.0030	20	-27 41 22.93	0.040	20	0.36	13.153	16	33.2	23.60	16	33.2	G0 M	13B	6880	J -27 7437
4		9.8R	23 17.445	-0.0010	20	-23 4 53.34	0.048	20	0.36	17.462	16	33.2	54.15	16	33.2		14	8171	E -22 8190
5		9.0R	23 21.828	-0.0092	20	-26 44 5.75	0.071	20	0.36	21.981	16	33.2	6.94	16	33.2	F8 J	14	8172K	E -26 7912
6		7.6A	23 27.381	-0.0002	18	-20 4 15.40	-0.011	13	0.32	27.384	18	33.2	15.22	16	33.2	K0 J	12B	4632	A -19 3006
7		9.3R	23 40.887	-0.0011	17	-28 49 50.85	-0.005	17	0.32	40.905	16	33.2	50.77	16	33.2	K2 M	13B	6886	J -28 8171
8		8.6R	23 44.016	-0.0033	20	-26 43 56.06	0.042	20	0.36	44.071	16	33.2	56.77	16	33.2	K5 J	14	8173	E -26 7913
9		9.0R	23 47.680	-0.0095	18	-25 12 33.71	0.031	18	0.34	47.840	16	33.2	34.23	16	33.2	G5 J	14	8175	E -24 9055
10		8.4R	23 49.579	-0.0004	20	-25 26 35.58	0.027	20	0.36	49.585	16	33.2	36.03	16	33.2	K0 J	14	8176	E -25 8036
11		9.4R	23 52.005	0.0037	20	-22 41 53.23	-0.001	20	0.36	51.943	16	33.2	53.22	16	33.2	A0 M	14	8177	E -22 8203
12		8.6A	23 54.583	-0.0032	18	-20 44 28.10	-0.025	13	0.31	54.636	16	33.2	27.68	16	33.2	G0 J	13A	4634	A -20 3174
13		8.3R	23 54.696	-0.0001	17	-29 52 9.52	-0.002	17	0.32	54.699	16	33.2	9.49	16	33.2	A2 J	13B	6887	J -29 8337
14		9.1R	23 55.603	-0.0015	20	-26 24 7.78	0.044	20	0.36	55.628	16	33.2	8.51	16	33.2	K2 M	14	8178	E -26 7916
15		8.7R	23 57.159	-0.0014	20	-27 58 52.36	0.013	20	0.36	57.183	16	33.2	52.58	16	33.2	F5 M	13B	6888	J -27 7444
16		8.3R	23 58.346	0.0012	20	-29 36 29.73	-0.019	20	0.36	58.327	16	33.2	29.41	16	33.2	K0 J	13B	6889	J -29 8340
17		8.9R	23 58.716	0.0011	15	-23 8 58.32	-0.018	15	0.30	58.698	16	33.2	58.03	16	33.2	G0 J	14	8179	E -22 8205
18		9.2R	24 5.861	-0.0005	15	-25 5 38.06	-0.002	15	0.30	5.869	16	33.2	38.03	16	33.2	A2 J	14	8180	E -24 9059
19		8.4R	24 6.858	-0.0017	20	-29 45 27.15	-0.019	20	0.36	6.886	16	33.2	26.83	16	33.2	F0 J	13B	6892	J -29 8341
20		9.0R	24 10.801	-0.0005	15	-23 47 41.61	-0.092	15	0.30	10.809	16	33.2	40.06	16	33.2	K0 J	14	8182	E -23 9289
21		8.8A	24 12.182	-0.0103	17	-21 29 59.77	-0.119	13	0.30	12.355	16	33.2	57.77	16	33.2	K0 J	13A	4636	A -21 3065
22		8.7A	24 13.763	-0.0004	18	-20 11 54.95	-0.026	13	0.32	13.770	18	33.2	54.52	16	33.2	K0 J	12B	4637	A -19 3012
23		9.1R	24 15.641	0.0007	15	-23 36 50.07	0.028	15	0.30	15.630	16	33.2	50.54	16	33.2	K0 J	14	8183	E -23 9291
24		9.1R	24 18.125	0.0004	20	-26 53 35.24	0.079	20	0.36	18.118	16	33.2	36.57	16	33.2	A3 J	14	8184	E -26 7920
25		9.6R	24 28.026	-0.0011	20	-25 2 37.13	0.001	20	0.36	28.045	16	33.2	37.15	16	33.2	K M	14	8185	E -24 9064
26		9.1R	24 32.145	0.0003	18	-23 5 31.12	-0.003	18	0.34	32.140	16	33.2	31.08	16	33.2	K0 M	14	8186	E -22 8211
27		8.2R	24 32.629	-0.0008	20	-29 49 3.16	0.033	20	0.36	32.643	16	33.2	3.72	16	33.2	A0 J	13B	6895	J -29 8345
28		9.2R	24 38.735	-0.0011	18	-24 12 51.57	-0.000	18	0.34	38.753	16	33.2	51.56	16	33.2	K0 M	14	8188	E -23 9293
29		8.7R	24 48.781	-0.0020	20	-28 49 11.25	-0.011	20	0.36	48.814	16	33.2	11.07	16	33.2	A2 J	13B	6899	J -28 8185
30		9.3R	24 51.343	-0.0013	18	-22 36 5.35	-0.010	18	0.34	51.366	16	33.2	5.19	16	33.2	A0 J	14	8189	E -22 8216
31		9.3R	24 53.500	-0.0011	18	-23 55 40.36	-0.000	18	0.34	53.520	16	33.2	40.35	16	33.2	K0 M	14	8190	E -23 9295
32		7.7R	24 58.070	-0.0012	15	-23 31 39.63	-0.002	15	0.30	58.091	16	33.2	39.59	16	33.2	K0 J	14	8191	E -23 9296
33		8.9R	24 59.158	-0.0019	20	-28 43 37.40	-0.046	20	0.36	59.189	16	33.2	36.64	16	33.2	K2 M	13B	6901	J -28 8188
34		9.3R	25 4.832	-0.0036	18	-26 24 31.49	-0.022	18	0.34	4.892	16	33.2	31.11	16	33.2	F5 J	14	8192	E -26 7924
35		8.9R	25 5.551	-0.0002	15	-26 58 53.26	-0.064	15	0.30	5.554	16	33.2	52.19	16	33.2	K5 M	14	8194	E -26 7925
36		8.3R	25 6.306	-0.0242	15	-22 56 39.82	0.077	15	0.30	6.711	16	33.2	41.12	16	33.2	G5 J	14	8193	E -22 8221
37		8.7R	25 6.862	-0.0008	20	-28 35 55.74	-0.021	20	0.36	6.874	16	33.2	55.39	16	33.2	K0 J	13B	6903	J -28 8189
38		8.8A	25 8.692	-0.0032	18	-20 8 56.77	0.002	13	0.32	8.745	18	33.2	56.81	16	33.2	K5 J	12B	4639	A -19 3017
39		8.8A	25 13.598	-0.0045	17	-20 11 48.71	-0.020	13	0.30	13.674	18	33.2	48.38	16	33.2	K0 J	12B	4641	A -19 3018
40		8.2A	25 13.812	-0.0025	15	-21 10 34.02	0.017	11	0.27	13.854	16	33.2	34.30	16	33.2	K5 J	13A	4642	A -20 3180
41		9.1R	25 16.627	0.0010	20	-29 32 21.00	-0.043	20	0.36	16.610	16	33.2	20.28	16	33.2	K5 M	13B	6905	J -29 8352
42		8.6A	25 16.946	0.0022	17	-20 15 24.23	-0.056	13	0.30	16.909	18	33.2	23.30	16	33.2	F5 J	12B	4643	A -19 3019
43		9.0R	25 18.617	-0.0010	18	-23 48 40.95	0.017	18	0.34	18.634	16	33.2	41.23	16	33.2	A0 J	14	8195	E -23 9298
44		9.0R	25 18.941	-0.0029	20	-28 9 5.63	0.016	20	0.36	18.990	16	33.2	5.90	16	33.2	G0 M	13B	6906	J -27 7457
45		9.5R	25 24.673	0.0022	15	-24 47 30.33	-0.017	15	0.30	24.636	16	33.2	30.05	16	33.2	K2 M	14	8196	E -24 9081
46		8.8R	25 27.063	0.0002	18	-24 25 28.79	-0.000	18	0.34	27.060	16	33.2	28.78	16	33.2	G5 J	14	8197	E -24 9083
47		8.5R	25 29.244	-0.0011	15	-23 36 59.78	-0.019	15	0.30	29.263	16	33.2	59.46	16	33.2	F5 J	14	8198	E -23 9300
48		8.1A	25 31.339	-0.0030	18	-21 28 39.30	0.001	13	0.31	31.390	16	33.2	39.32	16	33.2	M2 J	13A	4647	A -20 3181
49		9.1Q	25 33.280	-0.0150	20	-21 26 45.36	0.044	15	0.74	33.877	19	10.2	47.26	19	06.6	G0	GC	14375	-20 3182
50		9.3R	25 35.362	0.0007	18	-26 33 3.91	-0.008	18	0.34	35.349	16	33.2	3.78	16	33.2	K5 M	14	8199	E -26 7928
51		9.4R	10 25 38.386	0.0029	20	-24 22 10.04	0.004	20	0.36	38.338	16	33.2	10.10	16	33.2	F8 M	14	8200	E -23 9302
52		8.2R	25 43.615	-0.0059	20	-29 26 34.52	-0.008	20	0.36	43.714	16	33.2	34.39	16	33.2	K0 J	13B	6910	J -29 8360
53		8.5R	25 49.588	-0.0067	20	-25 33 6.42	0.033	20	0.36	49.701	16	33.2	6.96	16	33.2	G0 J	14	8201	E -25 8055
54		9.2R	25 55.835	-0.0080	12	-24 0 38.66	0.096	12	0.26	55.969	16	33.2	40.26	16	33.2	M0 M	14	8202	E -23 9305
55		9.5R	25 58.707	-0.0023	20	-25 53 20.21	0.026	20	0.36	58.746	16	33.2	20.64	16	33.2	G5 J	14	8203	E -25 8059
56		8.5R	26 2.019	0.0011	20	-29 15 6.37	0.003	20	0.36	2.000	16	33.2	6.43	16	33.2	A2 J	13B	6912	J -28 8202
57		9.0A	26 4.571	0.0006	18	-20 25 32.32	-0.015	13	0.31	4.561	16	33.2	32.07	16	33.2	F8 J	13A	4649	A -19 3023
58		9.1R	26 5.968	-0.0034	15	-24 43 10.76	-0.003	15	0.30	6.025	16	33.2	10.72	16	33.2	G5 M	14	8204	E -24 9086
59		9.0R	26 12.433	-0.0014	20	-29 59 3.74	-0.030	20	0.36	12.456	16	33.2	3.24	16	33.2	K0 M	13B	6913	J -29 8370
60		8.7R	26 12.959	-0.0009	18	-22 33 8.92	0.029	18	0.34	12.974	16	33.2	9.41	16	33.2	A5 J	14	8205	E -22 8238
61		8.8A	26 15.442	-0.0006	17	-21 16 39.72	0.028	12	0.29	15.452	16	33.2	40.19	16	33.2	F2 J	13A	4652K	A -20 3186
62		9.3R	26 15.704	-0.0009	15	-26 20 36.10	-0.007	15	0.30	15.719	16	33.2	35.97	16	33.2	M M	14	8208	E -25 8062
63		9.1R	26 15.923	-0.0003	18	-25 4 22.84	0.000	18	0.34	15.928	16	33.2	22.84	16	33.2	K0 M	14	8207	E -24 9089
64		8.9A	26 16.532	-0.0111	15	-22 8 29.05	0.062	11	0.27	16.718	16	33.2	30.09	16	33.2	K0 J	13A	4653	A -21 3071
65		8.5R	26 19.141	-0.0033	15	-28 21 49.57	0.006	15	0.30	19.196	16	33.2	49.67	16	33.2	K5 J	13B	6914	J -27 7468
66		9.2R	26 20.792	0.0039	18	-23 30 32.45	-0.091	18	0.34	20.727	16	33.2	30.92	16	33.2	G2 M	14	8209	E -23 9309
67		8.3R	26 21.052	-0.0060	12	-24 10 33.86	-0.002	12	0.26	21.152	16	33.2	33.82	16	33.2	F2 J	14	8211	E -23 9310
68		8.6R	26 21.390	0.0260	18	-27 6 22.49	-0.258	18	0.34	20.954	16	33.2	18.17	16	33.2	K0 J	14	8212	E -26 7942
69		9.2R	26 21.399	-0.0003	17	-28 46 36.78	0.010	17	0.32	21.405	16	33.2	36.95	16	33.2	F8 M	13B	6915	J -28 8207
70		8.7R	26 22.155	0.0016	18	-22 24 11.24	0.021	18	0.34	22.128	16	33.2	11.59	16	33.2	A5 M	14	8210	E -22 8239
71		8.5R	26 28.707	0.0008	20	-29 28 41.09	0.069	20	0.36	28.693	16	33.2	42.25	16	33.2	F8 J	13B	6917	J -29 8371
72		8.9R	26 35.140	0.0015	18	-24 20 3.22	-0.000	18	0.34	35.115	16	33.2	3.21	16	33.2	K2 J	14	8213	E -23 9312
73		9.5R	26 35.286	-0.0071	20	-24 42 17.54	0.049	20	0.36	35.405	16	33.2	18.36	16	33.2	G0 M	14	8214	E -24 9091
74		9.4R	26 37.641	-0.0037	17	-28 20 32.02	0.071	17	0.32	37.703	16	33.2	33.21	16	33.2	G0 M	13B	6918	J -27 7474
75		9.5R	26 38.009	-0.0002	18	-24 36 17.52	-0.006	18	0.34	38.012	16	33.2	17.42	16	33.2	A3 M	14	8215	E -24 9092
76		8.6A	26 39.041	-0.0010	17	-21 59 48.11	0.007	13	0.30	39.058	16	33.2	48.22	16	33.2	K5 J	13A	4655	A -21 3073
77		8.9R	26 39.440	-0.0139	15	-23 3 48.14	0.158	15	0.30	39.673	16	33.2	50.79	16	33.2	G0 J	14	8216	E -22 8243
78		8.9R	26 40.136	0.0011	18	-25 18 37.49	-0.018	18	0.34	40.118	16	33.2	37.19	16	33.2	K0 J	14	8217	E -24 9094
79		8.4A	26 45.092	-0.0051	15	-22 20 10.51	-0.000	11	0.27	45.178	16	33.2	10.51	16	33.2	K0 J	13A	4657	A -21 3075
80		8.6R	26 45.818	-0.0017	17	-29 19 39.83	-0.062	17	0.32	45.847	16	33.2	38.80	16	33.2	A0 J	13B	6919	J -28 8212
81		8.7R	26 46.405	-0.0030	12	-28 39 22.53	0.011	12	0.26	46.456	16	33.2	22.72	16	33.2	G0 J	13B	6922	J -28 8211
82		8.0R	26 46.775	-0.0015	12	-28 13 23.86	-0.032	12	0.26	46.801	16	33.2	23.33	16	33.2	K5 J	13B	6921	J -27 7476
83		9.4R	26 52.069	0.0030	18	-22 23 31.73	-0.021	18	0.34	52.019	16	33.2	31.38	16	33.2	K0 M	14	8218	E -22 8247
84		8.4R	26 52.377	-0.0001	18	-26 36 38.94	-0.010	15	0.32	52.378	16	33.2	38.78	16	33.2	K0 J	14	8219	E -26 7950
85		9.1R	26 54.204	-0.0003	18	-24 1 22.57	0.038	18	0.34	54.209	16	33.2	23.20	16	33.2	K5 M	14	8220	E -23 9317
86		9.2R	26 54.753	0.0026	20	-28 26 38.89	-0.058	20	0.36	54.709	16	33.2	37.92	16	33.2	G0 M	13B	6923	J -28 8213
87		8.7R	27 4.889	-0.0007	18	-23 25 48.14	-0.004	18	0.34	4.901	16	33.2	48.08	16	33.2	K2 M	14	8221	E -23 9318
88		5.8T	27 10.208	-0.0047	06	-29 24 26.81	0.011	05	0.26	10.411	10	06.8	27.36	10	00.9	K5	GC	14416	C*-29 8381
89		9.0R	27 11.500	-0.0041	20	-29 17 47.11	0.003	20	0.36	11.570	16	33.2	47.17	16	33.2	A3 J	13B	6927	J -28 8216
90		7.9A	27 15.624	0.0000	15	-21 59 25.49	-0.007	11	0.27	15.623	16	33.2	25.37	16	33.2	A0 J	13A	4660	A -21 3079
91		9.1R	27 16.851	0.0017	17	-28 50 8.57	-0.001	17	0.32	16.824	16	33.2	8.56	16	33.2	G5 J	13B	6928	J -28 8217
92		8.8R	27 18.271	0.0006	18	-24 49 12.45	-0.001	18	0.34	18.261	16	33.2	12.43	16	33.2	A0 J	14	8224	E -24 9098
93		9.7R	27 18.391	0.0018	18	-24 9 48.30	0.009	18	0.34	18.360	16	33.2	48.44	16	33.2	A5 M	14	8222	E -23 9320
94		9.2R	27 18.403	0.0018	18	-24 13 55.91	-0.003	18	0.34	18.373	16	33.2	55.85	16	33.2		14	8223	E -23 9321
95		7.3A	27 19.107	-0.0009	00	-21 47 17.49	0.026	15	0.24	19.123	16	33.2	17.92	16	33.2	F0 J	13A	4661	A -21 3080
96		8.7A	27 22.179	-0.0010	18	-20 32 3.24	-0.015	13	0.31	22.196	16	33.2	2.98	16	33.2	K5 J	13A	4662	A -20 3191
97		9.0R	27 23.145	-0.0017	17	-29 41 18.18	0.042	17	0.32	23.174	16	33.2	18.89	16	33.2	K0 M	13B	6930	J -29 8385
98		8.8A	27 28.402	-0.0046	17	-20 30 3.01	-0.019	13	0.30	28.479	16	33.2	2.69	16	33.2	F5 J	13A	4664	A -20 3192
99		9.3R	27 34.192	0.0004	12	-28 54 8.41	0.015	12	0.26	34.185	16	33.2	8.67	16	33.2	K0 M	13B	6931	J -28 8218
00		9.6R	27 39.323	0.0005	20	-23 50 46.96	-0.015	20	0.36	39.314	16	33.2	46.70	16	33.2	G5 M	14	8226	E -23 9323

178900			EPOCH 1950										ORIGINAL EPOCH							SP.	SOURCE		-20° 10H
NUMBER	MAGNITUDES		α_{1950}		μ	σ_μ	δ_{1950}		μ'	$\sigma_{\mu'}$	σ_{1950}		α_2	σ	ep.	δ_2	σ'	ep.			CAT.	STAR NUMBER	DM NUMBER
	m_{pg}	m_v	h m	s	s	″.001	°	′ ″	″	″.001	″		s	″.01		″	″.01						
1		9.1R	10 27	39.963	-0.0099	15	-25	42 15.13	0.036	15	0.30		40.130	16	33.2	15.72	16	33.2	GO	J	14	8228	E -25 8076
2		9.1A	27	43.458	-0.0003	15	-22	0 33.75	0.001	12	0.28		43.464	16	33.2	33.77	16	33.2	A	J	13A	4665	A -21 3081
3		8.9A	27	49.122	-0.0010	18	-20	20 28.96	0.016	13	0.31		49.139	16	33.2	29.24	16	33.2	F8	J	13A	4666	A -19 3028
4		8.6R	27	53.270	-0.0004	15	-27	15 48.16	0.005	15	0.30		53.276	16	33.2	48.25	16	33.2	F2	J	13B	6934	J -26 7962
5		9.5R	27	54.148	-0.0020	20	-22	58 33.83	0.026	20	0.36		54.182	16	33.2	34.27	16	33.2			14	8229	E -22 8262
6		9.6R	27	55.963	0.0030	15	-24	54 42.51	0.036	15	0.30		55.912	16	33.2	43.12	16	33.2	GO	M	14	8230	E -24 9107
7		8.6R	27	59.763	-0.0011	18	-24	37 24.38	-0.033	18	0.34		59.782	16	33.2	23.83	16	33.2	KO	J	14	8231	E -24 9108
8		8.2R	28	2.770	0.0002	18	-23	35 39.89	-0.001	18	0.34		2.766	16	33.2	39.87	16	33.2	A0	J	14	8232	E -23 9330
9		9.1R	28	4.121	-0.0019	18	-24	26 14.55	0.011	18	0.34		4.153	16	33.2	14.73	16	33.2	F5	M	14	8234	E -24 9109
10		9.3R	28	9.122	-0.0010	15	-26	46 49.87	-0.006	15	0.30		9.139	16	33.2	49.78	16	33.2	G5	J	14	8235	E -26 7968
11		9.1A	28	11.560	-0.0028	15	-22	15 51.08	-0.027	11	0.27		11.607	16	33.2	50.63	16	33.2	A0	J	13A	4669	A -21 3082
12		9.0A	28	11.719	-0.0011	17	-20	3 59.15	-0.004	13	0.30		11.738	18	33.2	59.09	16	33.2	K5	J	12B	4668	A -19 3033
13		8.3R	28	24.401	-0.0010	18	-23	28 15.83	-0.025	18	0.34		24.418	16	33.2	15.42	16	33.2	F8	J	14	8236	E -23 9335
14		8.5R	28	26.312	0.0003	18	-24	57 58.30	-0.019	18	0.34		26.307	16	33.2	57.98	16	33.2	B8	J	14	8237	E -24 9110
15		8.8A	28	28.146	-0.0058	17	-20	57 51.01	-0.426	13	0.30		28.243	16	33.2	43.87	16	33.2	GO	J	13A	4671	A -20 3196
16		8.9R	28	29.518	-0.0019	18	-23	40 54.73	-0.022	18	0.34		29.551	16	33.2	54.36	16	33.2	F8	J	14	8238	E -23 9337
17		6.5T	28	30.587	-0.0050	07	-26	13 36.89	0.011	07	0.35		30.602	12	06.6	37.39	14	02.5	F5		GC	14443	C -25 8084
18		8.6R	28	33.097	-0.0012	18	-25	50 19.24	0.010	18	0.34		33.118	16	33.2	19.40	16	33.2	B9	J	14	8240	E -25 8087
19		8.5A	28	38.861	-0.0033	17	-20	58 18.83	-0.029	13	0.30		38.916	16	33.2	18.34	16	33.2	K7	J	13A	4673	A -20 3199
20		9.0R	28	39.996	0.0040	18	-26	36 35.77	-0.026	18	0.34		39.930	16	33.2	35.34	16	33.2	G5	J	14	8241	E -26 7972
21		8.8A	28	40.431	0.0028	18	-22	18 50.31	-0.054	13	0.31		40.384	16	33.2	49.40	16	33.2	KO	J	13A	4674	A -21 3084
22		7.5R	28	42.590	-0.0005	15	-23	55 20.69	-0.026	15	0.30		42.598	16	33.2	20.22	16	33.2	+++	J	14	8242	E -23 9339
23		8.6R	28	50.529	-0.0013	12	-25	44 3.44	-0.005	12	0.26		50.552	16	33.2	3.35	16	33.2	FO	M	14	8243	E -25 8088
24		9.2R	28	54.137	0.0002	12	-23	42 31.24	0.021	12	0.26		54.133	16	33.2	31.59	16	33.2	FO	M	14	8245	E -23 9345
25		9.4R	28	59.360	-0.0022	12	-22	55 15.25	-0.025	12	0.26		59.397	16	33.2	14.84	16	33.2	KO	M	14	8246	E -22 8282
26		8.7R	29	0.092	-0.0045	15	-27	23 37.19	0.034	15	0.30		0.167	16	33.2	37.76	16	33.2	A0	J	13B	6938	J -27 7497
27		8.9R	29	10.618	-0.0040	18	-23	25 2.66	0.051	18	0.34		10.686	16	33.2	3.52	16	33.2	F8	M	14	8247	E -23 9348
28		8.4R	29	19.760	-0.0010	18	-23	27 31.82	0.013	18	0.34		19.777	16	33.2	32.06	16	33.2	KO	M	14	8249	E -23 9352
29		9.3R	29	21.899	0.0015	18	-24	53 36.09	0.027	18	0.34		21.875	16	33.2	36.54	16	33.2	KO	M	14	8251	E -24 9127
30		8.7A	29	22.220	-0.0044	15	-21	34 26.85	-0.012	11	0.27		22.295	16	33.2	26.65	16	33.2	A5	J	13A	4676	A -21 3085
31		9.0R	29	25.101	-0.0003	12	-29	26 13.92	0.022	12	0.26		25.107	16	33.2	14.29	16	33.2	K2	M	13B	6939	J -29 8410
32		9.1A	29	26.226	-0.0017	13	-21	14 30.19	0.011	09	0.25		26.254	16	33.2	30.37	16	33.2	G0	J	13A	4677	A -20 3200
33		9.5R	29	26.715	0.0038	18	-22	32 26.15	0.016	18	0.34		26.652	16	33.2	26.43	16	33.2	F0	M	14	8252	E -22 8291
34		8.5R	29	27.317	-0.0010	18	-23	3 32.39	-0.031	18	0.34		27.334	16	33.2	31.88	16	33.2	G5	J	14	8253	E -22 8292
35		9.7R	29	27.885	0.0026	15	-26	12 50.59	0.021	15	0.30		27.842	16	33.2	50.93	16	33.2	K5	M	14	8255	E -25 8093
36		9.4R	29	28.669	-0.0020	18	-24	13 59.67	0.002	18	0.34		28.703	16	33.2	59.70	16	33.2	K5	M	14	8254	E -23 9353
37		8.3A	29	28.718	-0.0016	15	-21	56 15.88	-0.013	09	0.26		28.745	16	33.2	15.66	16	33.2	K0	J	13A	4679	A -21 3088
38		6.0T	29	28.767	-0.0067	13	-27	58 47.12	-0.020	12	0.68		29.109	18	99.0	46.06	18	95.6	F8		GC	14465	C -27 7503
39		9.1R	29	31.258	-0.0002	12	-29	1 31.09	-0.011	12	0.26		31.261	16	33.2	30.91	16	33.2	K2	M	13B	6942	J -28 8241
40		8.9A	29	35.698	0.0015	17	-20	5 25.40	-0.097	13	0.30		35.673	18	33.2	23.78	16	33.2	K0	J	12B	4681	A -19 3038
41		8.4R	29	36.233	0.0008	18	-24	17 44.97	-0.010	18	0.34		36.219	16	33.2	44.80	16	33.2	K2	J	14	8256	E -23 9356
42		8.7R	29	40.059	-0.0056	18	-23	27 13.69	0.027	18	0.34		40.154	16	33.2	14.15	16	33.2	K2	M	14	8257	E -23 9357
43		8.9R	29	43.998	-0.0038	15	-25	48 48.27	0.009	15	0.30		44.062	16	33.2	48.41	16	33.2	M0	M	14	8258	E -25 8095
44		9.1R	29	44.204	-0.0037	12	-28	12 25.59	0.022	12	0.26		44.267	16	33.2	25.96	16	33.2	G0	J	13B	6945	J -27 7508
45		8.7R	29	50.255	-0.0016	20	-29	1 11.94	0.011	20	0.36		50.282	16	33.2	12.13	16	33.2	A0	J	13B	6947	J -28 8246
46		8.6R	29	56.307	-0.0001	12	-26	45 38.12	-0.008	12	0.26		56.309	16	33.2	37.99	16	33.2	F5	J	14	8259	E -26 7985
47		8.3R	29	59.415	0.0033	15	-24	16 47.06	0.027	15	0.30		59.360	16	33.2	47.51	16	33.2	KO	J	14	8260	E -23 9362
48		7.4T	30	1.869	-0.0052	12	-23	20 39.51	-0.014	09	0.58		2.127	18	00.1	38.79	17	97.2	A0		GC	14484	-22 2939
49		9.4R	30	3.867	-0.0007	18	-23	6 23.81	0.007	18	0.34		3.878	16	33.2	23.93	16	33.2	F8	M	14	8262	E -22 8297
50		8.8R	30	10.133	0.0004	18	-23	21 28.91	-0.007	18	0.34		10.126	16	33.2	28.79	16	33.2	KO	M	14	8263	E -22 8300
51		7.9R	10 30	11.642	-0.0058	20	-28	47 13.47	0.013	20	0.36		11.740	16	33.2	13.68	16	33.2	F8	J	13B	6954	J -28 8251
52		8.3R	30	12.551	-0.0027	17	-29	14 28.00	-0.019	17	0.32		12.597	16	33.2	27.68	16	33.2	K2	J	13B	6955	J -28 8252
53		8.9R	30	26.340	0.0011	18	-24	57 25.93	0.039	18	0.34		26.321	16	33.2	26.59	16	33.2	G5	J	14	8265	E -24 9137
54		9.0R	30	26.930	-0.0019	18	-24	3 52.73	-0.000	18	0.34		26.962	16	33.2	52.73	16	33.2	K2	M	14	8266	E -23 9371
55		7.3R	30	30.021	-0.0015	18	-26	21 4.92	0.007	18	0.34		30.046	16	33.2	5.03	16	33.2	K5	J	14	8267	E -25 8104
56		9.2A	30	30.744	-0.0028	15	-21	21 13.46	0.002	11	0.27		30.791	16	33.2	13.48	16	33.2	G0	J	13A	4686	A -20 3205
57		6.9T	30	31.347	-0.0018	16	-22	16 9.84	0.014	14	0.78		31.437	18	00.7	10.54	18	98.9	B9		GC	14496	-21 3091
58		9.0R	30	32.918	0.0008	12	-29	43 9.52	0.040	12	0.26		32.905	16	33.2	10.19	16	33.2	K7	M	13B	6958	J -29 8425
59		8.7R	30	33.079	-0.0000	18	-24	53 18.44	-0.013	18	0.34		33.080	16	33.2	18.23	16	33.2	G5	J	14	8268	E -24 9138
60		9.1R	30	36.946	-0.0012	20	-28	45 59.66	0.034	20	0.36		36.966	16	33.2	+ 0.23	16	33.2	F8	M	13B	6959	J -28 8257
61		9.2R	30	38.674	-0.0002	18	-25	7 40.11	0.022	18	0.34		38.677	16	33.2	40.48	16	33.2	K2	M	14	8269	E -24 9140
62		8.8R	30	42.855	-0.0060	15	-25	19 52.17	0.031	15	0.30		42.956	16	33.2	52.69	16	33.2	G0	J	14	8270	E -24 9143
63		9.5R	30	44.062	-0.0012	18	-24	30 28.20	0.039	18	0.34		44.082	16	33.2	28.86	16	33.2	F8	M	14	8271	E -24 9142
64		8.4R	30	49.469	-0.0012	18	-25	14 27.19	0.026	18	0.34		49.488	16	33.2	27.62	16	33.2	K5	J	14	8272	E -24 9144
65		8.7A	30	50.645	-0.0025	18	-21	32 8.14	-0.040	13	0.31		50.687	16	33.2	7.46	16	33.2	F5	J	13A	4688	A -21 3092
66		9.0A	30	52.061	-0.0008	18	-21	42 43.30	-0.034	12	0.30		52.074	16	33.2	42.73	16	33.2	K2	J	13A	4689	A -21 3093
67		8.5R	30	52.590	-0.0032	17	-26	33 20.22	0.002	17	0.32		52.644	16	33.2	20.25	16	33.2	G0	J	14	8273	E -26 7997
68		9.0R	30	55.041	-0.0009	20	-26	43 31.29	0.045	20	0.36		55.056	16	33.2	32.04	16	33.2	F5	M	14	8274	E -26 7999
69		8.5A	31	1.872	0.0021	18	-22	19 34.95	-0.016	15	0.32		1.837	16	33.2	34.68	16	33.2	K5	J	13A	4690	A -21 3095
70		8.4R	31	2.101	-0.0021	20	-26	33 3.43	0.036	20	0.36		2.136	16	33.2	4.03	16	33.2	A0	J	14	8275	E -26 8000
71		8.9R	31	8.279	-0.0023	20	-26	11 36.75	0.021	20	0.36		8.317	16	33.2	37.10	16	33.2	F0	J	14	8276	E -25 8108
72		8.7R	31	13.171	-0.0027	20	-27	34 23.56	0.018	20	0.36		13.216	16	33.2	23.86	16	33.2	G5	J	13B	6962	J -27 7524
73		9.2R	31	13.696	0.0005	18	-24	54 1.40	-0.053	18	0.34		13.687	16	33.2	0.52	16	33.2	G0	M	14	8277	E -24 9151
74		8.6R	31	14.879	-0.0009	18	-25	20 14.13	-0.001	18	0.34		14.893	16	33.2	14.11	16	33.2	K0	J	14	8278	E -24 9152
75		9.1A	31	18.498	-0.0006	15	-21	16 46.34	-0.033	12	0.28		18.509	16	33.2	45.78	16	33.2	F2	J	13A	4692	A -20 3209
76		9.0R	31	21.029	-0.0013	20	-29	21 9.92	-0.030	20	0.36		21.051	16	33.2	9.42	16	33.2	K0	J	13B	6964	J -28 8267
77		9.5R	31	22.628	0.0042	18	-24	21 29.40	0.027	18	0.34		22.557	16	33.2	29.85	16	33.2	F5	M	14	8279	E -23 9382
78		7.7T	31	30.493	-0.0016	12	-27	5 26.74	-0.013	10	0.61		30.575	18	98.1	26.02	18	94.7	K2		GC	14521	C -26 8002
79		5.3H	31	38.019	-0.0009	02	-23	29 12.97	0.017	02	0.58		38.051	03	14.3	13.59	04	14.5	K2		F4	399	-22 2946
80		9.0R	31	38.765	-0.0305	20	-29	16 39.27	0.182	20	0.36		39.277	16	33.2	42.32	16	33.2	KO	J	13B	6969	J -28 8270
81		9.0A	31	45.007	0.0023	17	-21	21 20.79	-0.036	13	0.30		44.968	16	33.2	20.18	16	33.2	G5	J	13A	4694	A -20 3211
82		8.9R	31	47.165	-0.0017	20	-26	49 33.29	0.027	20	0.36		47.193	16	33.2	33.74	16	33.2	F8	J	14	8282	E -26 8007
83		8.0R	31	50.845	-0.0028	18	-24	2 35.48	0.037	18	0.34		50.892	16	33.2	36.09	16	33.2	F2	J	14	8283	E -23 9390
84		8.3R	32	5.916	0.0003	18	-26	4 17.78	-0.011	18	0.34		5.911	16	33.2	17.59	16	33.2	A0	J	14	8285	E -25 8116
85		9.4R	32	6.030	0.0006	15	-23	20 7.56	0.022	15	0.30		6.019	16	33.2	7.93	16	33.2	F5	M	14	8284	E -22 8323
86		9.3R	32	10.980	-0.0036	18	-26	34 36.46	0.008	18	0.34		11.040	16	33.2	36.59	16	33.2	F5	J	14	8286	E -26 8012
87		8.7R	32	14.553	0.0026	20	-29	21 57.78	-0.020	20	0.36		14.510	16	33.2	57.44	16	33.2	K5	J	13B	6972	J -28 8281
88		9.1A	32	15.402	-0.0000	18	-21	44 59.56	-0.020	13	0.31		15.402	16	33.2	59.22	16	33.2	M0	J	13A	4696	A -21 3099
89		9.4R	32	16.910	-0.0007	17	-28	50 29.36	-0.023	17	0.32		16.922	16	33.2	28.97	16	33.2	G0	M	13B	6973	J -28 8282
90		7.2A	32	18.322	-0.0007	18	-21	56 39.59	-0.002	12	0.30		18.334	16	33.2	39.55	16	33.2	K0	J	13A	4697	A -21 3100
91		9.0A	32	23.925	-0.0028	18	-20	35 9.76	-0.014	13	0.31		23.972	16	33.2	9.52	16	33.2	K2	J	13A	4698	A -20 3214
92		8.5R	32	27.234	-0.0022	18	-24	50 14.87	0.017	18	0.34		27.271	16	33.2	15.16	16	33.2	F0	J	14	8287	E -24 9165
93		6.2T	32	34.763	-0.0073	05	-22	55 4.00	0.031	05	0.24		35.102	09	03.4	5.49	09	02.2	F5		GC	14546	B+-22 2952
94		9.2R	32	35.120	0.0005	18	-23	56 48.07	0.016	18	0.34		35.111	16	33.2	48.33	16	33.2	KO	M	14	8290	E -23 9397
95		9.1R	32	37.883	-0.0003	17	-29	6 43.23	-0.037	17	0.32		37.889	16	33.2	42.60	16	33.2	K7	M	13B	6975	J -28 8285
96		9.1R	32	38.894	-0.0021	18	-24	27 33.59	0.040	18	0.34		38.929	16	33.2	34.26	16	33.2	K5	M	14	8292	E -24 9168
97		9.2R	32	39.496	-0.0002	12	-23	13 40.33	-0.032	12	0.26		39.499	16	33.2	39.80	16	33.2	M0	J	14	8291	E -22 8333
98		7.6R	32	40.457	-0.0036	15	-26	7 21.59	-0.005	15	0.30		40.518	16	33.2	21.50	16	33.2	K0	J	14	8293	E -25 8122
99		9.0R	32	40.632	-0.0018	20	-26	4 52.94	0.034	20	0.36		40.663	16	33.2	53.51	16	33.2			14	8294	E -25 8121
100		9.5R	32	47.646	-0.0031	20	-28	7 5.82	-0.033	20	0.36		47.698	16	33.2	5.27	16	33.2	F	M	13B	6976	J -27 7546

179000

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.		SOURCE CAT.	STAR NUMBER	-20° 10H DM NUMBER
1		8.9R	10 32 48.284	-0.0009	18	-23 0 40.00	0.014	18	0.34	48.299	16	33.2	40.24	16	33.2	A3	J	14	8295	E -22 8336
2		9.6R	32 48.899	0.0062	18	-23 42 16.70	-0.003	18	0.34	48.795	16	33.2	16.65	16	33.2	F5	M	14	8296	E -23 9399
3		8.7R	32 50.160	-0.0034	15	-25 12 18.76	0.065	15	0.30	50.216	16	33.2	19.85	16	33.2	F5	J	14	8297	E -24 9170
4		8.6A	33 0.199	-0.0053	18	-20 8 2.48	0.036	13	0.32	0.288	18	33.2	3.09	16	33.2	K0	J	13B	4702	A -19 3054
5		9.2R	33 3.213	-0.0023	20	-28 19 14.58	-0.028	20	0.36	3.251	16	33.2	14.11	16	33.2	A2	M	13B	6979	J -27 7548
6		9.5R	33 21.769	-0.0006	18	-23 22 55.67	0.006	18	0.34	21.779	16	33.2	55.77	16	33.2	F2	M	14	8298	E -22 8342
7		8.9A	33 25.025	-0.0009	15	-21 22 21.50	0.031	12	0.28	25.041	16	33.2	22.01	16	33.2	K5	J	13A	4703	A -20 3220
8		8.9A	33 31.106	-0.0016	15	-21 11 21.26	0.010	11	0.27	31.133	16	33.2	21.42	16	33.2	A2	J	13A	4704	A -20 3221
9		9.4R	33 32.938	-0.0016	15	-25 48 37.93	0.027	15	0.30	32.965	16	33.2	38.38	16	33.2	K2	M	14	8299	E -25 8130
10		8.5R	33 33.383	0.0000	20	-28 52 12.89	0.012	20	0.36	33.383	16	33.2	13.09	16	33.2	A3	J	13B	6984	J -28 8297
11		9.9R	33 36.422	-0.0046	20	-22 54 23.98	0.024	20	0.36	36.498	16	33.2	24.38	16	33.2			14	8300	E -22 8343
12		9.0A	33 37.073	0.0011	18	-21 34 29.32	-0.006	12	0.30	37.055	16	33.2	29.21	16	33.2	K7	J	13A	4706	A -21 3105
13		9.6R	33 37.363	0.0049	18	-24 52 27.38	-0.052	18	0.34	37.280	16	33.2	26.51	16	33.2	G0	M	14	8301	E -24 9178
14		6.2T	33 42.909	0.0005	13	-26 24 52.80	-0.066	12	0.71	42.884	18	98.2	49.26	18	96.3	F8		GC	14571K	C*-26 8022
15		8.6R	33 43.375	-0.0080	20	-29 17 51.90	0.004	20	0.36	43.509	16	33.2	51.96	16	33.2	G0	J	13B	6986	J -28 8301
16		9.3R	33 45.512	0.0008	18	-27 50 19.96	0.010	18	0.34	45.499	16	33.2	20.13	16	33.2	K0	M	13B	6987	J -27 7557
17		9.4R	33 56.899	-0.0030	18	-26 50 12.47	0.072	18	0.34	56.949	16	33.2	13.67	16	33.2	G5	J	14	8304	E -26 8024
18		9.2R	33 59.485	-0.0026	15	-25 53 50.98	0.041	15	0.30	59.528	16	33.2	51.66	16	33.2	G0	J	14	8305	E -25 8137
19		8.5R	34 0.924	0.0006	18	-24 18 21.89	0.016	18	0.34	0.913	16	33.2	22.15	16	33.2	K2	M	14	8306	E -23 9412
20		8.2R	34 3.812	-0.0043	20	-26 28 24.15	0.008	20	0.36	3.884	16	33.2	24.28	16	33.2	B9	J	14	8307	E -26 8025
21		9.3R	34 6.811	0.0010	15	-25 35 31.95	0.008	15	0.30	6.794	16	33.2	32.08	16	33.2	A2	J	14	8308	E -25 8138
22		9.4R	34 11.312	-0.0009	18	-24 36 32.19	0.036	15	0.32	11.326	16	33.2	32.80	16	33.2	F8	M	14	8309	E -24 9184
23		8.5R	34 11.903	-0.0041	20	-27 50 1.79	-0.009	20	0.36	11.972	16	33.2	1.64	16	33.2	K0	M	13B	6992	J -27 7564
24		8.9A	34 12.895	-0.0037	17	-21 52 9.63	0.049	13	0.30	12.956	16	33.2	10.45	16	33.2	K0	J	13A	4707	A -21 3108
25		6.7T	34 14.916	-0.0026	11	-28 30 44.09	0.011	11	0.61	15.059	19	96.0	44.67	18	95.2	A0		GC	14588K	C*-28 8306
26		9.0R	34 17.439	0.0006	15	-22 30 38.98	0.001	15	0.30	17.429	16	33.2	39.00	16	33.2	G5	M	14	8310	E -22 8348
27		6.8T	34 21.549	-0.0013	09	-27 23 48.33	0.003	07	0.51	21.619	17	95.4	48.51	15	88.6	K2		GC	14592	C*-27 7567
28		9.2R	34 21.958	0.0010	17	-29 27 17.08	0.024	12	0.29	21.941	16	33.2	17.48	16	33.2	G5	J	13B	6996	J -29 8469
29		7.1R	34 27.402	0.0037	18	-22 24 19.03	-0.019	18	0.34	27.340	16	33.2	18.71	16	33.2	K5	J	14	8311	E -22 8349
30		9.5R	34 31.508	-0.0027	18	-23 36 4.92	-0.001	18	0.34	31.553	16	33.3	4.90	16	33.3	K5	M	14	8312	E -23 9417
31		9.4R	34 31.726	0.0029	12	-25 15 44.24	0.009	12	0.25	31.678	16	33.3	44.38	16	33.3	A3	M	14	8313	E -24 9186
32		9.0R	34 34.739	-0.0020	12	-25 24 8.30	0.076	12	0.25	34.773	16	33.3	9.56	16	33.3	G5	M	14	8315	E -25 8145
33		9.6R	34 40.885	0.0035	18	-24 17 49.40	0.002	18	0.34	40.827	16	33.3	49.43	16	33.3	G5	M	14	8316	E -23 9419
34		9.4R	34 42.095	-0.0009	18	-25 44 5.90	0.036	18	0.34	42.111	16	33.3	6.50	16	33.3	F8	J	14	8317	E -25 8146
35		8.0R	34 44.502	-0.0007	18	-23 37 59.17	-0.032	18	0.34	44.513	16	33.3	58.63	16	33.3	M3	M	14	8318	E -23 9421
36		9.1A	34 46.268	-0.0012	17	-20 41 3.38	-0.000	13	0.30	46.288	16	33.3	3.37	16	33.3	K0	J	13A	4711	A -20 3223
37		8.7A	34 49.081	-0.0052	15	-21 25 3.58	-0.011	11	0.27	49.168	16	33.3	3.39	16	33.3	K5	J	13A	4712	A -20 3224
38		8.8R	34 49.107	-0.0020	15	-26 2 32.96	-0.008	15	0.30	49.141	16	33.3	32.82	16	33.3	K0	J	14	8319	E -25 8148
39		8.9R	34 50.441	0.0005	17	-28 54 42.38	0.024	17	0.32	50.433	16	33.3	42.78	16	33.3	K0	J	13B	6999	J -28 8310
40		9.4R	34 51.643	0.0015	15	-23 58 18.04	-0.013	15	0.30	51.618	16	33.3	17.82	16	33.3	A0	M	14	8320	E -23 9422
41		5.1I	34 52.756	-0.0080	05	-27 9 11.07	0.013	04	0.22	53.099	09	07.0	11.67	09	04.1	K5		GC	14603	C*-26 8033
42		9.4R	35 0.399	0.0016	18	-23 18 3.71	0.006	18	0.34	0.372	16	33.3	3.81	16	33.3	G0	M	14	8322	E -22 8358
43		8.6R	35 1.298	-0.0000	18	-24 48 12.63	0.034	18	0.34	1.299	16	33.3	13.20	16	33.3	K7	M	14	8323	E -24 9194
44		8.3R	35 6.342	0.0055	17	-29 43 27.08	-0.024	17	0.32	6.250	16	33.3	26.68	16	33.3	G0	J	13B	7002	J -29 8480
45		8.7R	35 11.082	0.0005	12	-26 19 24.08	0.002	12	0.25	11.074	16	33.3	24.11	16	33.3	G0	J	14	8325	E -25 8151
46		7.5R	35 12.512	-0.0023	18	-23 7 18.76	0.011	18	0.34	12.549	16	33.3	18.95	16	33.3	K0	J	14	8324	E -22 8361
47		8.7R	35 13.010	-0.0019	18	-24 35 50.51	0.023	18	0.34	13.041	16	33.3	50.90	16	33.3	K5	M	14	8326	E -24 9199
48		8.6A	35 15.467	-0.0033	17	-20 2 17.33	-0.057	13	0.30	15.524	18	33.2	16.37	16	33.2	G5	J	12B	4715	A -19 3064
49		8.1R	35 15.820	-0.0005	18	-27 48 31.75	-0.041	18	0.34	15.828	16	33.3	31.06	16	33.3	A0	J	13B	7005	J -27 7576
50		9.8R	35 20.546	0.0020	20	-24 3 59.15	0.012	20	0.36	20.513	16	33.3	59.35	16	33.3	G0	M	14	8328	E -23 9426
51		8.0R	10 35 25.139	-0.0025	17	-28 50 15.01	0.017	17	0.32	25.180	16	33.3	15.29	16	33.3	A2	J	13B	7007	J -28 8322
52		9.1R	35 25.392	-0.0009	18	-24 45 0.88	0.051	18	0.34	25.407	16	33.3	1.74	16	33.3	K2	M	14	8329	E -24 9201
53		9.3R	35 25.565	-0.0032	18	-28 4 20.43	0.028	18	0.34	25.619	16	33.3	20.90	16	33.3	M0	M	13B	7008	J -27 7578
54		9.2R	35 27.146	-0.0014	13	-29 19 9.51	0.010	13	0.27	27.170	16	33.3	9.68	16	33.3	M	M	13B	7009	J -28 8323
55		8.6A	35 33.781	-0.0025	13	-20 33 14.09	0.001	09	0.25	33.821	16	33.3	14.10	16	33.3	A5	J	13A	4716	A -20 3225
56		9.0R	35 34.113	-0.0034	20	-27 43 34.46	0.029	20	0.36	34.170	16	33.3	34.94	16	33.3	G0	M	13B	7010	J -27 7579
57		9.3R	35 38.986	-0.0063	18	-23 0 54.31	0.034	18	0.34	39.091	16	33.3	54.88	16	33.3	F8	M	14	8330	E -22 8367
58		9.5R	35 43.274	-0.0068	18	-23 17 16.51	-0.149	18	0.34	43.388	16	33.3	14.03	16	33.3	K5	M	14	8331	E -22 8371
59		9.3R	35 45.430	0.0006	18	-26 3 17.74	0.010	18	0.34	45.420	16	33.3	17.91	16	33.3	F2	J	14	8332	E -25 8155
60		9.3R	35 55.187	0.0004	17	-29 30 49.22	0.000	17	0.32	55.180	16	33.3	49.23	16	33.3	F0	M	13B	7011	J -29 8490
61		9.1A	36 2.622	-0.0027	15	-21 37 13.63	0.028	11	0.27	2.666	16	33.3	14.09	16	33.3	K0	J	13A	4717	A -2131170
62		8.7R	36 6.944	-0.0025	15	-27 51 4.38	0.006	15	0.30	6.985	16	33.3	4.48	16	33.3	F5	J	13B	7013	J -27 7584
63		8.4R	36 8.414	-0.0020	12	-27 56 30.95	0.037	12	0.25	8.448	16	33.3	31.57	16	33.3	G5	J	13B	7014	J -27 7585
64		8.9R	36 9.235	0.0011	15	-25 49 50.65	0.018	15	0.30	9.217	16	33.3	50.95	16	33.3	A2	J	14	8334	E -25 8163
65		8.3R	36 9.973	-0.0003	15	-24 16 30.60	0.022	15	0.30	9.978	16	33.3	30.96	16	33.3	K5	J	14	8333	E -23 9432
66		9.3R	36 10.772	-0.0022	17	-28 0 38.68	0.054	17	0.32	10.809	16	33.3	39.58	16	33.3	K	M	13B	7015	J -27 7587
67		9.4R	36 13.975	-0.0002	12	-23 46 55.64	0.015	12	0.25	13.977	16	33.3	55.88	16	33.3	F0	M	14	8335	E -23 9433
68		9.6R	36 17.536	-0.0039	15	-25 27 41.38	0.028	15	0.30	17.601	16	33.3	41.84	16	33.3	K	M	14	8336	E -25 8165
69		8.7A	36 20.763	-0.0038	17	-20 19 0.46	-0.043	13	0.30	20.827	18	33.2	-59.74	16	33.2	A5	J	12B	4719	A -19 3070
70		8.9R	36 21.112	-0.0021	17	-29 53 29.54	0.034	17	0.32	21.147	16	33.3	30.11	16	33.3	G0	M	13B	7017	J -29 8493
71		9.1R	36 25.205	-0.0002	17	-29 28 58.46	0.050	17	0.32	25.209	16	33.3	59.29	16	33.3	G0	M	13B	7019	J -29 8494
72		9.3R	36 36.727	0.0000	12	-24 53 37.07	0.027	12	0.25	36.726	16	33.3	37.52	16	33.3	K5	M	14	8338	E -24 9216
73		9.4R	36 44.309	-0.0031	20	-29 24 0.80	0.005	20	0.36	44.361	16	33.3	0.88	16	33.3	F5	M	13B	7023	J -29 8501
74		9.5R	36 44.784	-0.0041	20	-28 8 12.77	0.023	20	0.36	44.853	16	33.3	13.15	16	33.3	G5	M	13B	7022	J -27 7595
75		7.4T	36 47.006	0.0025	16	-25 35 23.88	-0.063	12	0.76	46.883	21	00.6	20.45	18	95.6	F5		GC	14644	C -25 8168
76		8.6R	36 48.501	-0.0024	18	-26 24 39.82	-0.003	18	0.34	48.542	16	33.3	39.77	16	33.3	K5	J	14	8340	E -26 8053
77		8.2R	36 49.972	0.0013	18	-24 11 18.68	-0.042	18	0.34	49.950	16	33.3	17.98	16	33.3	K5	J	14	8341	E -23 9437
78		9.2A	36 54.345	-0.0083	15	-20 19 8.00	-0.023	11	0.28	54.485	18	33.2	7.61	16	33.2	G5	J	12B	4722	A -19 3071
79		8.5R	36 54.422	0.0018	20	-29 37 56.22	-0.007	20	0.36	54.392	16	33.3	56.09	16	33.3	K5	J	13B	7024	J -29 8502
80		9.2R	36 55.351	0.0012	20	-22 49 41.62	-0.013	20	0.36	55.331	16	33.3	41.41	16	33.3	G5	M	14	8342	E -22 8389
81		9.1R	36 57.147	0.0032	18	-24 47 32.78	0.048	18	0.34	57.094	16	33.3	33.58	16	33.3	K5	M	14	8343	E -24 9218
82		9.3R	37 0.140	0.0004	12	-26 33 1.29	0.111	12	0.25	0.134	16	33.3	3.14	16	33.3	G0	J	14	8344	E -26 8054
83		8.4R	37 1.953	-0.0046	15	-27 41 21.22	-0.001	15	0.30	2.029	16	33.3	21.20	16	33.3	F5	J	13B	7026	J -27 7597
84		8.5R	37 3.796	-0.0056	18	-22 30 43.51	0.071	18	0.34	3.890	16	33.3	44.69	16	33.3	F8	J	14	8345	E -22 8391
85		8.6A	37 4.542	-0.0053	17	-20 35 23.14	0.049	12	0.29	4.631	16	33.3	23.95	16	33.3	G0	J	13A	4723	A -20 3233
86		9.0R	37 11.200	-0.0000	18	-26 59 31.37	-0.004	18	0.34	11.200	16	33.3	31.30	16	33.3	K0	J	14	8346	E -26 8057
87		8.9R	37 18.172	-0.0011	18	-23 25 10.67	0.008	18	0.34	18.190	16	33.3	10.81	16	33.3	F2	J	14	8347	E -23 9444
88		7.7A	37 18.259	-0.0019	13	-22 16 10.56	-0.017	09	0.25	18.290	16	33.3	10.27	16	33.3	K0	J	13A	4725	A -21 3122
89		9.4R	37 20.637	0.0027	18	-23 10 12.09	0.017	18	0.34	20.591	16	33.3	12.38	16	33.3	M0	J	14	8348	E -22 8392
90		9.6R	37 21.717	0.0010	20	-24 19 27.49	0.043	20	0.36	21.700	16	33.3	28.20	16	33.3	G	M	14	8349	E -23 9446
91		9.3R	37 27.934	0.0015	12	-29 32 46.39	0.015	12	0.25	27.909	16	33.3	46.63	16	33.3	A0	J	13B	7032	J -29 8508
92		9.0R	37 30.185	0.0007	18	-25 24 5.46	0.020	18	0.34	30.174	16	33.3	5.78	16	33.3	K	M	14	8352	E -25 8174
93		9.2R	37 30.541	-0.0009	18	-23 11 20.25	0.034	18	0.34	30.555	16	33.3	20.82	16	33.3	F0	J	14	8351	E -22 8393
94		8.7R	37 35.462	0.0009	12	-29 2 6.80	-0.011	12	0.25	35.448	16	33.3	6.98	16	33.3	A2	J	13B	7033	J -28 8348
95		7.5R	37 36.240	0.0031	18	-23 21 47.04	-0.046	18	0.34	36.188	16	33.3	46.28	16	33.3	F0	J	14	8353	E -22 8396
96		9.1R	37 45.457	-0.0058	17	-29 34 32.23	0.051	17	0.32	45.553	16	33.3	33.08	16	33.3	F8	M	13B	7036	J -29 8511
97		9.0R	37 47.295	0.0001	20	-29 35 43.42	0.036	20	0.36	47.294	16	33.3	44.03	16	33.3	K0	M	13B	7037	J -29 8512
98		8.5R	37 47.876	-0.0005	18	-24 52 57.73	-0.011	18	0.34	47.884	16	33.3	57.55	16	33.3	K5	M	14	8354	E -24 9228
99		9.3R	37 49.310	-0.0059	18	-24 26 42.04	0.013	18	0.34	49.408	16	33.3	42.25	16	33.3	K	M	14	8355	E -24 9229
00		9.0R	38 0.439	0.0020	12	-24 24 56.41	0.004	12	0.25	0.405	16	33.3	56.47	16	33.3	K2	M	14	8356	E -24 9232

179100

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ_α s	σ_{μ_α} ″.001	δ_{1950} ° ′ ″	μ_δ ″	σ_{μ_δ} ″.001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	SOURCE CAT.	STAR NUMBER	-20° 10H DM NUMBER
1		8.8A	10 38 6.561	-0.0104	15	-21 18 31.81	-0.027	11	0.27	6.735	16	33.3	31.35	16	33.3	G0 J	13A	4730	A -20 3238
2		8.1R	38 9.761	-0.0006	17	-29 29 10.87	0.065	17	0.32	9.771	16	33.3	11.95	16	33.3	K0 J	13B	7041	J -29 8516
3		9.3R	38 20.619	0.0015	18	-22 47 27.22	0.011	18	0.34	20.594	16	33.3	27.41	16	33.3	K0 M	14	8357	E -22 8405
4		9.5R	38 21.458	-0.0007	20	-29 45 10.81	0.008	20	0.36	21.470	16	33.3	10.95	16	33.3	F5 M	13B	7042	J -29 8517
5		7.8T	38 24.924	-0.0002	13	-26 31 26.08	0.002	13	0.71	24.933	21	00.1	26.18	19	97.2	G5	GC	14684	C -26 8070
6		8.5R	38 25.273	0.0005	18	-22 32 28.43	0.073	18	0.34	25.265	16	33.3	29.65	16	33.3	G5 J	14	8358	E -22 8409
7		9.3R	38 27.881	-0.0005	18	-26 11 24.64	-0.000	18	0.34	27.889	16	33.3	24.64	16	33.3	F8 J	14	8360	E -25 8179
8		9.3R	38 29.076	-0.0021	18	-26 11 30.91	0.015	18	0.34	29.111	16	33.3	30.16	16	33.3	F8 J	14	8361	E -25 8179
9		7.9R	38 29.251	-0.0030	20	-29 29 5.26	-0.001	20	0.36	29.302	16	33.3	5.24	16	33.3	K2 J	13B	7046	J -29 8519
10		9.0R	38 30.129	0.0014	20	-24 16 38.48	0.029	20	0.36	30.106	16	33.3	38.94	16	33.3	G5 M	14	8362	E -23 8457
11		9.2A	38 33.842	-0.0028	13	-20 2 12.12	-0.025	09	0.26	33.890	18	33.2	11.70	16	33.2	F2 J	12B	4734	A -19 3077
12		9.1A	38 36.867	-0.0099	17	-20 2 53.87	0.004	13	0.30	37.033	18	33.2	53.94	16	33.2	G5 J	12B	4735	A -19 3079
13		9.5R	38 37.055	0.0025	18	-23 0 12.17	-0.786	18	0.34	37.013	16	33.3	11.79	16	33.3	K0 M	14	8363	E -22 8412
14		9.6R	38 43.119	-0.0051	18	-25 39 50.65	0.052	15	0.32	43.204	16	33.3	51.50	16	33.3	F8 M	14	8364	E -25 8180
15		8.5R	38 47.098	-0.0010	20	-24 0 4.31	-0.008	20	0.36	47.114	16	33.3	4.17	16	33.3	K0 M	14	8365	E -23 8461
16		9.2R	38 56.328	0.0001	18	-23 20 49.20	-0.035	18	0.34	56.325	16	33.3	48.62	16	33.3	G2 M	14	8366	E -22 8416
17		8.0R	38 56.655	-0.0030	20	-27 52 19.95	-0.004	20	0.36	56.705	16	33.3	19.88	16	33.3	A2 J	13B	7050	J -27 7615
18		9.0R	39 0.565	0.0019	17	-28 58 21.34	-0.003	17	0.32	0.534	16	33.3	21.29	16	33.3	K M	13B	7051	J -28 8363
19		9.1R	39 4.030	0.0022	18	-22 38 52.18	0.020	18	0.34	3.993	16	33.3	52.51	16	33.3	K M	14	8367	E -22 8419
20		8.5R	39 9.079	-0.0159	12	-26 49 0.57	0.044	12	0.25	9.343	16	33.3	1.30	16	33.3	G5 J	14	8369	E -26 8077
21		8.5R	39 11.013	-0.0025	15	-23 8 28.04	0.002	15	0.30	11.055	16	33.3	28.08	16	33.3	K2 J	14	8368	E -22 8421
22		9.5R	39 12.686	0.0006	20	-28 3 15.45	-0.032	20	0.36	12.676	16	33.3	14.92	16	33.3	F0 M	13B	7055	J -27 7618
23		9.4R	39 20.974	-0.0042	12	-26 4 54.80	0.031	12	0.25	21.044	16	33.3	55.31	16	33.3	F5 M	14	8370	E -25 8189
24		9.4R	39 21.482	-0.0019	12	-27 22 33.39	0.033	12	0.25	21.513	16	33.3	33.94	16	33.3	A5 J	13B	7056	J -26 8078
25		9.4R	39 22.345	-0.0038	20	-24 26 50.53	0.154	20	0.36	22.408	16	33.3	53.09	16	33.3	G M	14	8371	E -24 9247
26		8.4R	39 25.138	-0.0010	15	-25 36 10.31	0.036	15	0.30	25.155	16	33.3	10.91	16	33.3	K2 J	14	8372	E -25 8190
27		9.3R	39 27.160	-0.0017	17	-29 27 17.92	-0.020	17	0.32	27.189	16	33.3	17.59	16	33.3	G0 M	13B	7059	J -29 8529
28		7.3T	39 29.833	-0.0014	12	-25 47 4.42	-0.006	12	0.67	29.906	18	98.4	4.10	18	96.2	A2	GC	14711	C -25 8191
29		8.9R	39 31.039	-0.0087	18	-24 59 1.76	-0.004	18	0.34	31.185	16	33.3	1.66	16	33.3	G5 M	14	8374	E -24 9249
30		9.2R	39 33.181	-0.0018	20	-27 14 7.32	0.024	20	0.36	33.211	16	33.3	7.72	16	33.3	F2 J	14	8375	E -26 8079
31		9.4R	39 53.769	0.0002	20	-28 37 39.29	-0.022	20	0.36	53.766	16	33.3	38.92	16	33.3	A3 M	13B	7061	J -28 8374
32		8.0R	39 54.527	-0.0007	18	-24 41 36.04	0.026	18	0.34	54.539	16	33.3	36.48	16	33.3	K5 J	14	8376	E -24 9250
33		7.7A	39 56.822	-0.0040	18	-20 20 28.10	0.000	13	0.31	56.889	16	33.3	28.10	16	33.3	A2 J	13A	4737	A -19 3080
34		8.3R	39 57.540	-0.0019	18	-27 12 4.29	0.005	18	0.34	57.571	16	33.3	4.37	16	33.3	K5 J	14	8377	E -26 8083
35		8.8R	40 1.260	0.0025	17	-28 34 26.13	0.020	17	0.32	1.218	16	33.3	26.46	16	33.3	G5 M	13B	7062	J -28 8377
36		9.3R	40 4.087	-0.0015	20	-29 2 48.63	0.009	20	0.36	4.112	16	33.3	48.78	16	33.3	F8 M	13B	7063	J -28 8378
37		9.5R	40 6.721	0.0030	20	-23 33 17.62	0.007	20	0.36	6.670	16	33.3	17.73	16	33.3	K0 M	14	8378	E -23 9476
38		8.8R	40 8.991	0.0011	18	-25 59 6.96	-0.008	18	0.34	8.972	16	33.3	6.83	16	33.3	K5 J	14	8379	E -25 8194
39		9.5R	40 11.859	-0.0021	20	-24 9 47.53	0.040	20	0.36	11.893	16	33.3	48.19	16	33.3	K5 M	14	8380	E -23 9478
40		9.2R	40 12.317	-0.0040	20	-27 40 29.13	0.033	20	0.36	12.383	16	33.3	29.68	16	33.3	K0 M	13B	7066	J -27 7632
41		9.1A	40 12.420	-0.0031	13	-21 57 24.20	-0.000	09	0.25	12.472	16	33.3	24.19	16	33.3	M0 J	13A	4738	A -21 3135
42		8.9R	40 13.156	-0.0006	18	-26 4 21.10	0.019	18	0.34	13.166	16	33.3	21.41	16	33.3	G5 J	14	8381	E -25 8195
43		9.6R	40 18.882	0.0032	20	-24 32 30.35	-0.042	20	0.36	18.829	16	33.3	29.65	16	33.3	G0 M	14	8383	E -24 9255
44		8.6R	40 21.072	-0.0002	18	-22 39 22.30	0.043	18	0.34	21.075	16	33.3	23.02	16	33.3	K0 J	14	8384	E -22 8437
45		9.4R	40 24.675	-0.0043	20	-25 13 19.70	0.053	20	0.36	24.746	16	33.3	20.57	16	33.3	G M	14	8386	E -24 9259
46		9.4R	40 24.921	-0.0024	18	-24 45 3.72	-0.023	18	0.34	24.961	16	33.3	3.34	16	33.3	F8 M	14	8385	E -24 9258
47		6.9T	40 28.246	0.0001	05	-23 17 11.62	0.005	05	0.27	28.241	12	04.5	11.87	12	02.8	K0 J	GC	14734	B+ 22 2988
48		8.4A	40 29.756	0.0001	13	-22 14 44.60	-0.052	09	0.25	29.755	16	33.3	43.73	16	33.3	F2 J	13A	4741	A -21 3137
49		9.4R	40 36.398	-0.0047	18	-25 26 28.46	0.003	15	0.32	36.476	16	33.3	28.51	16	33.3	G0 M	14	8388	E -25 8198
50		8.9R	40 41.145	-0.0026	18	-25 14 3.38	0.026	18	0.34	41.189	16	33.3	3.80	16	33.3	G0 J	14	8389	E -24 9264
51		9.2R	10 40 45.107	-0.0017	18	-23 0 50.37	-0.015	18	0.34	45.136	16	33.3	50.12	16	33.3	K0 J	14	8390	E -22 8440
52		8.3R	40 46.647	-0.0001	18	-25 36 13.73	0.005	18	0.34	46.649	16	33.3	13.81	16	33.3	K0 J	14	8391	E -25 8200
53		9.2R	40 46.961	-0.0006	15	-27 21 1.19	-0.004	15	0.30	46.971	16	33.3	1.12	16	33.3	A2 J	13B	7071	J -26 8094
54		8.5R	40 49.450	-0.0013	20	-28 16 49.37	0.048	20	0.36	49.472	16	33.3	50.17	16	33.3	F0 J	13B	7072	J -27 7643
55		9.5R	40 50.206	0.0067	18	-24 9 17.34	-0.011	18	0.34	50.094	16	33.3	17.15	16	33.3	K M	14	8392	E -23 9487
56		9.1R	40 53.094	-0.0011	17	-29 7 57.02	0.004	17	0.32	53.113	16	33.3	57.08	16	33.3	F5 J	13B	7073	J -28 8391
57		9.1A	40 53.431	-0.0000	18	-20 44 8.66	-0.062	13	0.31	53.432	16	33.3	7.62	16	33.3	G5 J	13A	4743	A -20 3251
58		9.2R	40 56.086	-0.0014	18	-23 22 39.40	0.030	18	0.34	56.109	16	33.3	39.90	16	33.3	G0 M	14	8394	E -22 8444
59		9.3R	40 56.130	0.0038	18	-22 33 48.22	-0.042	18	0.34	56.066	16	33.3	47.52	16	33.3	K0 J	14	8393	E -22 8445
60		8.2R	40 58.087	-0.0048	18	-27 2 9.02	-0.018	18	0.34	58.167	16	33.3	8.72	16	33.3	G5 J	14	8395	E -26 8099
61		9.3R	40 58.553	-0.0001	17	-29 52 9.02	0.002	17	0.32	58.554	16	33.3	9.06	16	33.3	F5 M	13B	7074	J -29 8551
62		8.6R	41 0.636	-0.0041	17	-29 17 18.51	0.041	17	0.32	0.704	16	33.3	19.19	16	33.3	K5 J	13B	7076	J -28 8392
63		9.2R	41 2.345	-0.0018	20	-22 31 33.99	0.025	20	0.36	2.375	16	33.3	34.41	16	33.3	K5 M	14	8396	E -22 8447
64		8.0R	41 2.466	-0.0001	18	-26 32 19.71	-0.002	18	0.34	2.467	16	33.3	19.68	16	33.3	K0 J	14	8398	E -26 8101
65		9.1R	41 3.357	0.0004	18	-24 28 31.91	0.009	18	0.34	3.351	16	33.3	32.05	16	33.3	F8 J	14	8397	E -24 9265
66		8.5R	41 5.313	-0.0012	12	-29 34 30.87	0.044	12	0.25	5.332	16	33.3	31.59	16	33.3	K5 M	13B	7078	J -29 8553
67		8.2R	41 7.346	0.0003	18	-22 51 58.47	-0.012	18	0.34	7.341	16	33.3	58.27	16	33.3	K2 J	14	8399	E -22 8448
68		7.5R	41 7.582	-0.0172	20	-28 48 4.23	-0.087	20	0.36	7.868	16	33.3	2.78	16	33.3	K0 J	13B	7079	J -28 8394
69		8.3R	41 13.548	-0.0002	12	-24 49 27.51	0.014	12	0.25	13.551	16	33.3	27.75	16	33.3	G5 J	14	8400	E -24 9268
70		8.7R	41 14.572	0.0012	18	-23 4 57.83	0.023	18	0.34	14.553	16	33.3	58.21	16	33.3	K5 J	14	8401	E -22 8449
71		9.5R	41 17.537	-0.0006	20	-23 51 40.75	0.013	20	0.36	17.547	16	33.3	40.96	16	33.3	A5 M	14	8403	E -23 9493
72		9.2R	41 25.702	-0.0004	18	-23 39 41.87	-0.007	18	0.34	25.708	16	33.3	41.75	16	33.3	K5 M	14	8404	E -23 9495
73		9.0R	41 28.641	-0.0022	12	-29 37 35.70	0.027	12	0.25	28.677	16	33.3	36.14	16	33.3	K M	13B	7084	J -29 8557
74		8.9R	41 36.543	0.0006	18	-24 3 6.78	0.018	18	0.34	36.534	16	33.3	7.08	16	33.3	K0 J	14	8405	E -23 9497
75		8.4R	41 40.735	-0.0004	18	-22 42 13.41	0.000	18	0.34	40.741	16	33.3	13.41	16	33.3	K2 J	14	8406	E -22 8452
76		8.6R	41 42.484	-0.0039	18	-25 7 2.74	0.003	18	0.34	42.549	16	33.3	2.78	16	33.3	G0 J	14	8407	E -24 9271
77		9.4R	41 49.958	0.0047	18	-24 32 32.90	0.026	18	0.34	49.879	16	33.3	33.34	16	33.3	M M	14	8408	E -24 9273
78		9.0A	41 59.348	0.0007	15	-21 10 16.00	-0.032	11	0.27	59.336	16	33.3	15.46	16	33.3	K5 J	13A	4748	A -20 3254
79		8.7R	42 1.377	-0.0010	12	-28 16 0.86	0.011	12	0.25	1.394	16	33.3	1.04	16	33.3	F2 J	13B	7085	J -27 7653
80		6.8T	42 4.212	-0.0010	08	-23 43 20.99	0.023	07	0.32	4.255	09	07.9	21.94	09	08.4	K0	GC	14771	C+ 23 9500
81		9.5R	42 5.239	-0.0014	15	-26 34 36.50	-0.019	15	0.30	5.261	16	33.3	36.18	16	33.3	G5 M	14	8412	E -26 8108
82		9.2R	42 6.352	-0.0042	18	-22 38 39.23	0.008	18	0.34	6.422	16	33.3	39.37	16	33.3	K0 J	14	8411	E -22 8456
83		9.3R	42 6.420	0.0006	18	-26 20 6.66	0.047	18	0.34	6.407	16	33.3	7.44	16	33.3	K0 M	14	8413	E -25 8211
84		9.2R	42 8.268	0.0004	12	-24 36 39.31	0.008	12	0.25	8.261	16	33.3	39.45	16	33.3	F2 M	14	8414	E -24 9277
85		9.5R	42 14.769	0.0066	15	-26 15 1.55	-0.068	15	0.30	14.659	16	33.3	0.41	16	33.3	M M	14	8415	E -25 8212
86		9.2R	42 18.280	0.0014	18	-22 41 33.05	0.029	18	0.34	18.257	16	33.3	33.54	16	33.3	F5 J	14	8416	E -22 8459
87		9.0A	42 23.977	-0.0067	15	-22 16 39.49	0.056	11	0.27	24.089	16	33.3	40.42	16	33.3	F5 J	13A	4750	A -21 3145
88		9.2R	42 24.878	-0.0013	15	-23 49 9.32	-0.014	15	0.30	24.900	16	33.3	9.08	16	33.3	M M	14	8417	E -23 9503
89		9.1R	42 26.119	-0.0007	15	-27 9 27.73	0.024	15	0.30	26.130	16	33.3	28.13	16	33.3	K2 J	14	8418	E -26 8112
90		9.0R	42 34.405	-0.0006	20	-24 50 41.47	-0.016	20	0.36	34.414	16	33.3	41.21	16	33.3	G5 J	14	8419	E -24 9282
91		8.8R	42 36.765	0.0033	18	-24 19 20.57	-0.037	18	0.34	36.710	16	33.3	19.95	16	33.3	K0 J	14	8420	E -23 9505
92		8.9R	42 40.605	0.0001	15	-27 15 23.78	0.015	12	0.27	40.602	16	33.3	24.03	16	33.3	G5 J	14	8421	E -26 8115
93		7.8T	42 42.691	-0.0050	12	-29 25 13.70	0.019	10	0.57	42.934	18	01.7	14.61	19	01.0	K2	GC	14790	C -29 8571
94		9.0R	42 48.683	-0.0021	18	-28 3 27.93	0.005	18	0.34	48.718	16	33.3	28.01	16	33.3	A0 J	13B	7088	J -27 7663
95		9.2R	43 0.055	0.0017	15	-23 40 50.63	-0.011	15	0.30	0.027	16	33.3	50.44	16	33.3	K0 M	14	8422	E -23 9510
96		9.0R	43 2.280	-0.0002	15	-26 36 31.94	-0.034	15	0.30	2.284	16	33.3	31.37	16	33.3	F5 J	14	8424	E -26 8119
97		9.1R	43 2.350	-0.0035	15	-22 32 42.17	0.010	15	0.30	2.404	16	33.3	42.34	16	33.3	F5 J	14	8423	E -22 8466
98		7.5R	43 9.343	-0.0007	18	-24 45 46.67	0.009	18	0.34	9.354	16	33.3	46.82	16	33.3	K0 J	14	8426K	E -24 9289
99		9.6R	43 14.186	-0.0003	18	-24 12 29.15	0.042	18	0.34	14.191	16	33.3	29.85	16	33.3	K M	14	8428	E -23 9512
00		8.2R	43 23.004	0.0041	18	-27 15 9.13	-0.078	18	0.34	22.935	16	33.3	7.83	16	33.3	F5 J	14	8429	E -26 8124

179200

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	CAT.	STAR NUMBER	10H DM NUMBER
1		9.6R	10 43 26.479	-0.0014	18	-26 51 54.51	0.031	18	0.34	26.502	16	33.3	55.02	16	33.3	F5 M	14	8430	E -26 8126
2		8.2A	43 26.559	-0.0022	13	-20 42 36.82	-0.085	09	0.25	26.596	16	33.3	35.40	16	33.3	A5 J	13A	4752	A -20 3261
3		9.2A	43 40.781	-0.0022	17	-22 20 14.02	0.027	13	0.30	40.818	16	33.3	14.46	16	33.3	M0 J	13A	4755	A -21 3149
4		9.4R	43 43.427	-0.0025	17	-29 29 9.03	0.020	17	0.32	43.469	16	33.3	9.36	16	33.3	F0 M	13B	7093	J -29 8586
5		7.7R	43 44.171	-0.0008	18	-23 10 8.24	-0.004	18	0.34	44.184	16	33.3	8.18	16	33.3	A3 J	14	8431	E -22 8479
6		9.5R	43 51.801	0.0028	18	-23 44 56.09	0.003	18	0.34	51.755	16	33.3	56.13	16	33.3	G5 M	14	8432	E -23 9517
7		8.7R	43 52.599	-0.0029	12	-29 4 22.85	-0.249	12	0.25	52.647	16	33.3	18.70	16	33.3	G5 M	13B	7094	J -28 8426
8		9.2R	43 53.349	-0.0010	15	-24 55 14.86	0.056	15	0.30	53.365	16	33.3	15.80	16	33.3	F5 M	14	8433	E -24 9300
9		7.5R	43 54.369	-0.0018	12	-26 27 45.31	-0.011	12	0.25	54.400	16	33.3	45.13	16	33.3	K0 J	14	8434	E -26 8131
10		9.1R	43 56.582	-0.0041	18	-22 37 19.69	0.014	18	0.34	56.650	16	33.3	19.93	16	33.3	F5 J	14	8435	E -22 8472
11		8.9R	44 6.633	-0.0016	18	-27 54 5.44	-0.016	18	0.34	6.659	16	33.3	5.17	16	33.3	A0 M	13B	7096	J -27 7671
12		8.0R	44 6.730	-0.0050	18	-27 52 36.91	-0.000	18	0.34	6.813	16	33.3	36.91	16	33.3	F5 J	13B	7097	J -27 7672
13		9.3R	44 7.706	-0.0040	12	-29 29 36.20	0.037	12	0.25	7.772	16	33.3	36.81	16	33.3	G0 M	13B	7098	J -29 8591
14		8.8R	44 13.403	-0.0086	18	-24 19 11.81	-0.086	18	0.34	13.546	16	33.3	10.37	16	33.3	K5 J	14	8436	E -23 9524
15		9.4R	44 14.118	-0.0006	18	-23 59 7.33	-0.011	18	0.34	14.128	16	33.3	7.14	16	33.3	K0 M	14	8437	E -23 9522
16		9.0R	44 16.214	0.0016	12	-29 9 29.79	-0.056	12	0.25	16.187	16	33.3	28.85	16	33.3	A3 M	13B	7100	J -28 8428
17		6.9H	44 19.993	-0.0125	03	-25 47 5.95	0.053	03	0.09	20.341	05	22.0	7.46	05	21.4	K0	F4	1280	C -25 8237
18		7.8R	44 22.908	-0.0032	12	-26 8 0.47	0.002	12	0.25	22.962	16	33.3	0.50	16	33.3	K5 J	14	8440	E -25 8238
19		7.4R	44 23.168	-0.0030	15	-25 16 11.43	-0.021	15	0.30	23.218	16	33.3	11.08	16	33.3	K5 J	14	8439	E -24 9306
20		9.6R	44 23.441	0.0013	18	-28 12 9.60	-0.005	18	0.34	23.419	16	33.3	9.51	16	33.3	F0 M	13B	7102	J -27 7676
21		9.5R	44 39.084	-0.0002	18	-24 2 17.54	-0.015	18	0.34	39.088	16	33.3	17.29	16	33.3	F5 M	14	8442	E -23 9531
22		9.3R	44 43.603	0.0004	20	-28 16 33.67	-0.000	20	0.36	43.597	16	33.3	33.67	16	33.3	A0 M	13B	7106	J -27 7678
23		8.9A	44 44.614	-0.0010	13	-21 15 29.32	0.007	09	0.25	44.632	16	33.3	29.43	16	33.3	F0 J	13A	4761	A -20 3269
24		7.8R	44 44.644	-0.0023	18	-24 17 5.33	0.022	18	0.34	44.682	16	33.3	5.69	16	33.3	A5 J	14	8443	E -23 9532
25		8.4R	44 51.391	-0.0106	15	-27 30 4.76	0.087	15	0.30	51.567	16	33.3	6.21	16	33.3	G5 J	13B	7107	J -27 7680
26		8.7R	44 52.678	-0.0041	20	-28 30 0.33	0.010	20	0.36	52.747	16	33.3	0.49	16	33.3	K0 M	13B	7108	J -28 8433
27		8.7A	44 59.561	-0.0002	13	-21 34 57.21	-0.038	09	0.25	59.563	16	33.3	56.57	16	33.3	K2 J	13A	4763	A -21 3152
28		8.9R	45 5.301	-0.0009	12	-25 10 21.26	-0.044	12	0.25	5.317	16	33.3	20.53	16	33.3	G5 J	14	8445	E -24 9320
29		8.4A	45 6.447	-0.0096	17	-22 5 0.12	-0.006	13	0.30	6.608	16	33.3	0.01	16	33.3	K0 J	13A	4764	A -21 3154
30		8.4R	45 16.744	-0.0000	17	-28 43 47.01	0.034	17	0.32	16.745	16	33.3	47.57	16	33.3	F8 J	13B	7112	J -28 8437
31		9.1R	45 24.335	-0.0015	18	-24 24 54.90	-0.013	18	0.34	24.360	16	33.3	54.68	16	33.3	K0 M	14	8446	E -24 9324
32		8.4A	45 27.555	-0.0046	15	-20 4 32.61	0.017	12	0.28	27.632	18	33.2	32.90	16	33.2	F0 J	12B	4765	A -19 3104
33		9.1R	45 28.440	0.0002	17	-29 17 0.28	-0.013	17	0.32	28.437	16	33.3	0.06	16	33.3	K0 M	13B	7113	J -28 8440
34		9.4R	45 36.194	-0.0029	15	-27 55 15.97	-0.004	15	0.30	36.243	16	33.3	15.90	16	33.3	A5 M	13B	7115	J -27 7688
35		9.5R	45 37.414	-0.0015	18	-23 11 45.82	-0.012	18	0.34	37.439	16	33.3	45.62	16	33.3	G0 M	14	8447	E -22 8489
36		8.0R	45 42.781	-0.0106	12	-26 8 1.60	-0.000	12	0.25	42.958	16	33.3	1.60	16	33.3	G0 J	14	8448	E -25 8249
37		9.4R	45 46.924	-0.0009	20	-22 30 24.54	0.002	20	0.36	46.940	16	33.3	24.58	16	33.3	K M	14	8449	E -22 8492
38		8.0A	45 53.635	0.0000	17	-20 54 44.75	-0.081	13	0.30	53.635	16	33.3	43.39	16	33.3	A5 J	13A	4766	A -20 3272
39		9.2A	45 57.164	-0.0010	13	-22 12 33.24	0.010	09	0.25	57.181	16	33.3	33.40	16	33.3	F5 J	13A	4768	A -21 3157
40		9.6R	46 5.636	-0.0005	20	-24 11 15.29	0.034	20	0.36	5.645	16	33.3	15.85	16	33.3	F8 M	14	8450	E -23 9544
41		8.8R	46 10.127	-0.0006	17	-29 12 6.84	-0.027	17	0.32	10.137	16	33.3	6.39	16	33.3	F5 M	13B	7119	J -28 8445
42		8.8R	46 12.227	0.0028	12	-24 53 46.02	0.002	12	0.25	12.180	16	33.3	46.06	16	33.3	F8 J	14	8451	E -24 9330
43		9.5R	46 13.111	-0.0006	18	-23 34 15.47	0.021	18	0.34	13.121	16	33.3	15.81	16	33.3	G5 M	14	8452	E -23 9545
44		8.7A	46 15.856	-0.0016	15	-22 9 7.19	0.012	11	0.27	15.882	16	33.3	7.38	16	33.3	K2 J	13A	4769	A -21 3158
45		9.1A	46 31.537	-0.0056	18	-20 8 43.31	0.036	13	0.32	31.632	18	33.2	43.92	16	33.2	F5 J	12B	4771	A -19 3108
46		9.3R	46 32.349	-0.0005	20	-27 58 46.39	0.019	20	0.36	32.357	16	33.3	46.70	16	33.3	K0 M	13B	7124	J -27 7698
47		9.4R	46 34.784	0.0001	18	-25 2 36.43	-0.014	18	0.34	34.783	16	33.3	36.19	16	33.3	G5 M	14	8453	E -24 9337
48		6.9T	46 34.995	-0.0041	08	-27 39 11.62	0.016	07	0.33	35.156	12	10.2	12.29	12	07.8	A2	GC	14887	C* -27 7699
49		7.5R	46 35.780	-0.0041	20	-28 50 13.37	-0.011	20	0.36	35.848	16	33.3	13.19	16	33.3	K0 J	13B	7126	J -28 8451
50		9.1R	46 41.243	-0.0095	15	-22 41 27.45	0.067	15	0.30	41.402	16	33.3	28.57	16	33.3	G0 J	14	8454	E -22 8504
51		9.3R	10 46 44.192	0.0012	18	-24 10 42.34	0.007	18	0.34	44.171	16	33.3	42.45	16	33.3	G0 M	14	8455	E -23 9553
52		9.0R	46 48.151	0.0017	12	-25 58 7.65	-0.005	12	0.25	48.124	16	33.3	7.56	16	33.3	F5 J	14	8456	E -25 8259
53		8.6R	46 48.883	0.0009	20	-29 29 58.49	0.012	20	0.36	48.869	16	33.3	58.69	16	33.3	K5 M	13B	7130	J -29 8630
54		8.8R	46 51.795	-0.0119	20	-28 52 5.26	0.060	20	0.36	51.994	16	33.3	6.25	16	33.3	K0 J	13B	7132	J -28 8455
55		9.0R	46 53.130	0.0011	18	-22 38 8.35	0.023	18	0.34	53.112	16	33.3	8.74	16	33.3	F8 J	14	8457	E -22 8505
56		8.4R	46 55.526	0.0035	18	-22 50 2.81	0.028	18	0.34	55.468	16	33.3	3.28	16	33.3	K0 J	14	8459	E -22 8506
57		8.9R	47 3.415	-0.0022	15	-27 39 14.60	-0.033	15	0.30	3.452	16	33.3	14.05	16	33.3	A2 J	13B	7136	J -27 7703
58		8.8A	47 4.128	-0.0107	15	-21 54 1.95	-0.029	12	0.27	4.306	16	33.3	1.46	16	33.3	G0 J	13A	4775	A -21 3161
59		8.5R	47 10.253	-0.0041	20	-28 32 24.23	0.058	20	0.36	10.321	16	33.3	25.19	16	33.3	K2 J	13B	7138	J -28 8461
60		8.9R	47 12.796	0.0005	20	-29 35 6.28	0.015	20	0.36	12.787	16	33.3	6.54	16	33.3	K0 M	13B	7139	J -29 8635
61		7.3R	47 13.794	-0.0093	20	-29 43 45.09	-0.019	20	0.36	13.949	16	33.3	44.78	16	33.3	G0 J	13B	7140	J -29 8636
62		9.0R	47 28.193	-0.0032	15	-24 30 2.25	-0.015	15	0.30	28.246	16	33.3	2.51	16	33.3	F8 J	14	8460	E -24 9342
63		9.4R	47 43.389	-0.0034	20	-23 39 22.00	0.033	20	0.36	43.446	16	33.3	22.54	16	33.3	G M	14	8461	E -23 9563
64		9.0R	47 44.700	0.0024	12	-28 42 8.22	-0.054	12	0.25	44.661	16	33.3	7.31	16	33.3	G5 M	13B	7142	J -28 8467
65		9.4R	47 47.681	0.0013	18	-25 3 47.94	0.059	18	0.34	47.659	16	33.3	48.92	16	33.3	K M	14	8462	E -24 9345
66		9.0R	47 47.875	-0.0064	12	-26 35 47.33	-0.004	12	0.25	47.982	16	33.3	47.26	16	33.3	G0 J	14	8463	E -26 8165
67		8.6A	47 53.165	0.0007	15	-21 7 16.34	0.015	11	0.27	53.153	16	33.3	16.58	16	33.3	K2 J	13A	4776	A -20 3277
68		9.1R	48 6.948	0.0013	18	-24 42 52.81	0.024	18	0.34	6.926	16	33.3	53.21	16	33.3	K2 J	14	8464	E -24 9348
69		8.4R	48 17.504	0.0002	12	-25 11 25.17	0.011	12	0.25	17.500	16	33.3	25.35	16	33.3	K0 J	14	8465	E -24 9350
70		9.4R	48 18.842	0.0019	18	-25 5 30.44	-0.001	18	0.34	18.810	16	33.3	30.41	16	33.3	G5 M	14	8466	E -24 9352
71		9.4R	48 29.774	0.0026	18	-25 5 11.15	-0.180	18	0.34	29.731	16	33.3	8.15	16	33.3	A0 J	14	8467	E -24 9357
72		7.7A	48 48.711	-0.0019	13	-21 15 31.08	-0.000	09	0.25	48.743	16	33.3	31.07	16	33.3	K5 J	13A	4780	A -20 3280
73		8.3R	48 53.420	-0.0011	15	-27 37 13.39	-0.016	15	0.30	53.439	16	33.3	13.12	16	33.3	K5 J	13B	7150	J -27 7723
74		7.8R	48 56.547	-0.0010	15	-23 25 23.97	-0.027	15	0.30	56.564	16	33.3	23.52	16	33.3	G5 J	14	8468	E -23 9571
75		9.3R	48 58.493	-0.0009	17	-29 6 58.67	0.046	17	0.32	58.508	16	33.3	59.43	16	33.3	F0 M	13B	7153	J -28 8478
76		8.4R	49 8.990	-0.0037	12	-26 37 54.26	0.017	12	0.25	9.051	16	33.3	54.54	16	33.3	G0 J	14	8471	E -26 8178
77		9.5R	49 11.273	-0.0012	20	-23 30 43.84	0.032	20	0.36	11.292	16	33.3	44.37	16	33.3	G M	14	8472	E -23 9574
78		6.0I	49 11.303	0.0004	15	-20 59 4.92	-0.025	14	0.68	11.288	19	06.2	3.76	17	04.4	N	GC	14929V	B* -20 3283
79		9.1R	49 14.220	0.0026	18	-24 50 55.07	0.006	18	0.34	14.177	16	33.3	55.17	16	33.3	K2 M	14	8473	E -24 9364
80		7.6Q	49 14.626	-0.0204	22	-21 48 21.42	0.064	18	0.91	15.482	24	08.1	24.28	22	05.1	G5	GC	14931	-21 3168
81		9.6R	49 15.891	-0.0005	18	-23 21 21.74	-0.022	18	0.34	15.899	16	33.3	21.37	16	33.3	G0 M	14	8474	E -22 8528
82		8.7R	49 20.425	-0.0002	20	-28 44 15.57	0.030	20	0.36	20.428	16	33.3	16.07	16	33.3	G0 M	13B	7155	J -28 8480
83		9.0R	49 23.796	-0.0021	20	-29 27 43.90	0.030	20	0.36	23.831	16	33.3	44.40	16	33.3	K M	13B	7157	J -29 8667
84		7.5R	49 24.230	-0.0072	20	-29 23 9.70	-0.019	20	0.36	24.350	16	33.3	9.38	16	33.3	G0 J	13B	7159	J -28 8481
85		9.1R	49 27.798	-0.0048	20	-29 30 36.97	-0.067	20	0.36	27.877	16	33.3	35.86	16	33.3	F5 M	13B	7161	J -29 8668
86		8.2R	49 35.093	-0.0056	15	-24 6 17.74	-0.014	15	0.30	35.186	16	33.3	17.50	16	33.3	M3 M	14	8475	E -23 9578
87		7.7R	49 37.623	-0.0012	18	-27 18 23.13	0.041	18	0.34	37.643	16	33.3	23.81	16	33.3	K5 J	13B	7163	J -26 8183
88		9.4R	49 39.432	0.0008	18	-22 25 33.84	0.001	18	0.34	39.418	16	33.3	33.85	16	33.3	A2 J	14	8476	E -22 8530
89		9.2R	49 39.534	-0.0072	15	-23 0 18.90	0.055	15	0.30	39.653	16	33.3	19.82	16	33.3	G0 J	14	8477	E -22 8531
90		8.8R	49 49.417	0.0014	20	-29 48 45.93	0.042	20	0.36	49.394	16	33.3	46.63	16	33.3	G5 J	13B	7165	J -29 8675
91		9.5R	49 55.440	-0.0001	15	-24 24 7.64	0.015	15	0.30	55.441	16	33.3	7.88	16	33.3	G M	14	8478	E -24 9375
92		8.5R	49 57.431	0.0020	18	-22 56 13.94	0.025	18	0.34	57.397	16	33.3	14.36	16	33.3	G0 J	14	8479	E -22 8533
93		8.9R	50 7.711	0.0025	18	-22 54 51.86	0.003	18	0.34	7.670	16	33.3	51.91	16	33.3	G0 J	14	8480	E -22 8538
94		8.1R	50 7.733	0.0004	20	-29 54 59.85	-0.028	20	0.36	7.726	16	33.3	59.39	16	33.3	K0 J	13B	7168	J -29 8677
95		8.3R	50 10.420	-0.0017	20	-29 14 47.75	-0.013	20	0.36	10.449	16	33.3	47.53	16	33.3	F5 J	13B	7169	J -28 8490
96		8.6R	50 15.540	-0.0008	18	-25 36 54.63	0.030	18	0.34	15.553	16	33.3	55.13	16	33.3	K2 J	14	8481	E -25 8293
97		8.3R	50 18.477	-0.0020	18	-26 18 47.15	-0.001	18	0.34	18.511	16	33.3	47.13	16	33.3	K5 J	14	8482	E -25 8295
98		8.2R	50 24.436	0.0018	15	-24 27 12.69	-0.008	15	0.30	24.406	16	33.3	12.55	16	33.3	A2 J	14	8483	E -24 9381
99		8.4R	50 30.005	-0.0054	18	-27 7 17.56	0.027	18	0.34	30.093	16	33.3	18.01	16	33.3	F0 J	14	8484	E -26 8195
00		8.2R	50 31.422	-0.0017	20	-24 29 9.12	-0.021	20	0.36	31.450	16	33.3	8.77	16	33.3	K5 J	14	8485	E -24 9384

179300

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	σ'_μ ″.001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	-20° 10H DM NUMBER
1		7.1T	10 50 38.591	-0.0116	10	-20 21 29.38	-0.272	09	0.47	39.133	15	03.1	15.84	14	00.2	G5	GC	14963	-19 3122
2		9.1A	50 40.913	-0.0034	18	-21 45 27.51	0.019	13	0.31	40.969	16	33.3	27.82	16	33.3	K2 J	13A	4792	A -21 3177
3		9.5R	50 40.936	0.0011	18	-22 54 39.75	-0.010	18	0.34	40.918	16	33.3	39.58	16	33.3	K0 M	14	8486	E -22 8542
4		9.3R	50 43.574	0.0013	20	-27 27 36.82	0.011	20	0.36	43.551	16	33.3	37.00	16	33.3	A5 M	13B	7172	J -27 7743
5		8.5T	50 46.212	-0.0019	18	-28 6 40.38	0.001	15	0.84	46.302	19	01.5	40.42	19	00.3	K5	GC	14966	C -27 7744
6		8.7R	50 47.611	-0.0031	18	-23 19 11.30	0.024	18	0.34	47.663	16	33.3	11.71	16	33.3	F8 J	14	8487	E -22 8543
7		9.0R	50 50.955	0.0062	20	-28 42 31.15	-0.007	20	0.36	50.852	16	33.3	31.03	16	33.3	G0 M	13B	7174	J -28 8501
8		9.0R	50 51.463	-0.0055	20	-29 15 52.88	0.034	20	0.36	51.552	16	33.3	53.45	16	33.3	F8 M	13B	7175	J -28 8502
9		7.5R	50 52.528	-0.0024	20	-29 49 46.91	-0.044	20	0.36	52.568	16	33.3	46.18	16	33.3	F8 J	13B	7176	J -29 8686
10		9.2R	51 15.476	0.0009	18	-23 51 12.83	-0.000	18	0.34	15.462	16	33.3	12.83	16	33.3	K M	14	8488	E -23 9591
11		8.0R	51 17.128	-0.0036	15	-24 33 9.87	-0.015	15	0.30	17.187	16	33.3	9.62	16	33.3	K5 J	14	8490	E -24 9391
12		9.2R	51 17.483	-0.0018	17	-27 36 39.17	0.028	17	0.32	17.513	16	33.3	39.64	16	33.3	A5 M	13B	7181	J -27 7745
13		8.6R	51 17.652	0.0015	18	-23 4 52.91	0.004	18	0.34	17.627	16	33.3	52.98	16	33.3	K0 J	14	8489	E -22 8549
14		8.0R	51 21.661	0.0014	18	-24 3 56.24	-0.008	18	0.34	21.637	16	33.3	56.10	16	33.3	F5 J	14	8492	E -23 9592
15		8.8A	51 22.789	-0.0031	15	-20 49 43.61	-0.040	12	0.27	22.840	16	33.3	42.94	16	33.3	F5 J	13A	4799	A -20 3288
16		8.5R	51 25.784	0.0035	18	-23 50 11.18	-0.031	18	0.34	25.726	16	33.3	10.66	16	33.3	K0 J	14	8493	E -23 9593
17		8.8R	51 33.036	0.0006	20	-23 27 15.21	-0.011	20	0.36	33.026	16	33.3	15.03	16	33.3	K5 J	14	8494	E -23 9594
18		7.3T	51 34.604	-0.0021	12	-26 28 46.75	0.007	10	0.62	34.713	18	98.1	47.14	18	94.8	B9	GC	14985	C -26 8207
19		8.6R	51 37.556	-0.0014	15	-26 55 41.26	-0.001	15	0.30	37.578	16	33.3	41.24	16	33.3	K0 J	14	8497	E -26 8209
20		9.6R	51 38.203	-0.0115	18	-23 16 39.74	0.107	18	0.34	38.395	16	33.3	41.52	16	33.3	K M	14	8496	E -22 8553
21		9.0R	51 39.350	-0.0020	21	-24 52 49.70	-0.021	21	0.38	39.382	16	33.3	49.36	16	33.3		14	8499	E -24 9397
22		8.4T	51 40.792	-0.0102	18	-22 34 59.75	-0.191	17	0.86	40.308	18	02.7	50.52	18	01.6	G0	GC	14990	-22 3031
23		9.3R	51 47.659	-0.0025	17	-29 32 29.70	-0.026	17	0.32	47.701	16	33.3	29.27	16	33.3	F8 M	13B	7186	J -29 8699
24		9.0R	51 58.824	-0.0072	20	-27 15 54.37	0.154	20	0.36	58.944	16	33.3	56.93	16	33.3	K0 M	13B	7188	J -26 8215
25		9.4R	52 4.783	0.0057	18	-23 1 38.70	-0.035	18	0.34	4.688	16	33.3	38.12	16	33.3	F0 M	14	8500	E -22 8558
26		9.0A	52 5.352	-0.0011	17	-21 8 41.63	0.001	13	0.30	5.371	16	33.3	41.64	16	33.3	K2 J	13A	4803	A -20 3292
27		8.1T	52 15.123	0.0032	17	-26 32 32.53	-0.028	13	0.80	14.968	21	01.8	30.99	19	95.0	F2	GC	15007	C -26 8217
28		8.5R	52 16.337	0.0008	18	-24 32 37.78	-0.022	18	0.34	16.323	16	33.3	37.42	16	33.3	K0 J	14	8502	E -24 9405
29		9.4R	52 18.679	0.0007	18	-23 55 28.48	0.016	18	0.34	18.667	16	33.3	28.74	16	33.3	F5 M	14	8503	E -23 9602
30		8.9R	52 25.589	-0.0050	12	-24 58 26.77	0.000	12	0.25	25.672	16	33.3	26.78	16	33.3	F8 J	14	8504	E -24 9407
31		9.5R	52 32.160	-0.0001	18	-22 32 50.58	-0.003	18	0.34	32.161	16	33.3	50.53	16	33.3	K0 M	14	8505	E -22 8563
32		8.2R	52 40.710	-0.0014	18	-22 39 29.21	-0.014	18	0.34	40.733	16	33.3	28.98	16	33.3	A0 J	14	8506	E -22 8564
33		9.1R	52 44.226	-0.0027	12	-28 50 43.56	0.030	12	0.25	44.271	16	33.3	44.06	16	33.3	K0 M	13B	7196	J -28 8523
34		6.5T	52 44.946	-0.0017	09	-20 23 53.85	-0.017	10	0.52	45.034	15	96.8	52.93	15	95.4	K0	GC	15015	-19 3134
35		9.6R	52 54.074	0.0012	18	-24 29 24.54	0.018	18	0.34	54.053	16	33.3	24.84	16	33.3	A0 J	14	8508	E -24 9411
36		9.4R	52 56.156	0.0013	15	-26 25 39.13	0.007	15	0.30	56.135	16	33.3	39.24	16	33.3	F2 M	14	8510	E -26 8223
37		9.6R	52 57.198	-0.0007	20	-23 32 44.19	0.003	20	0.36	57.209	16	33.3	44.23	16	33.3		14	8509	E -23 9608
38		8.5R	52 57.801	-0.0015	18	-22 46 21.63	0.007	18	0.34	57.826	16	33.3	21.75	16	33.3	F5 J	14	8511	E -22 8566
39		8.9R	53 2.537	-0.0013	15	-22 55 30.83	0.012	15	0.30	2.559	16	33.3	31.03	16	33.3	F8 J	14	8512	E -22 8569
40		7.1T	53 4.177	0.0019	12	-26 42 43.50	-0.025	12	0.66	4.080	17	99.3	42.14	18	95.8	K0	GC	15021	C -26 8224
41		9.2R	53 6.061	0.0001	18	-23 45 22.52	-0.012	18	0.34	6.060	16	33.3	22.32	16	33.3	F8 J	14	8514	E -23 9611
42		8.9R	53 10.592	0.0007	12	-27 45 48.89	-0.020	12	0.25	10.580	16	33.3	48.55	16	33.3	A5 J	13B	7201	J -27 7761
43		8.6R	53 12.623	-0.0163	12	-26 5 4.65	-0.001	12	0.25	12.895	16	33.3	4.63	16	33.3	G0 J	14	8516	E -25 8325
44		8.8A	53 14.730	-0.0032	17	-21 14 56.20	-0.003	13	0.30	14.784	16	33.3	56.14	16	33.3	F5 J	13A	4809	A -20 3297
45		9.0R	53 15.021	-0.0004	12	-29 29 10.53	0.014	12	0.25	15.028	16	33.3	10.76	16	33.3	K0 M	13B	7203	J -29 8718
46		9.6R	53 26.340	-0.0017	20	-22 42 22.64	0.038	20	0.36	26.369	16	33.3	23.28	16	33.3	G M	14	8517	E -22 8574
47		8.3R	53 27.776	-0.0010	18	-27 35 12.25	-0.026	18	0.34	27.792	16	33.3	11.81	16	33.3	K2 J	13B	7205	J -27 7764
48		8.9R	53 35.997	0.0001	17	-29 52 15.64	0.029	17	0.32	35.995	16	33.3	16.13	16	33.3	K2 M	13B	7209	J -29 8724
49		8.0R	53 36.567	-0.0033	18	-23 46 28.33	-0.026	18	0.34	36.622	16	33.3	27.89	16	33.3	K0 J	14	8518	E -23 9620
50		8.3A	53 38.617	-0.0043	13	-20 51 38.26	-0.010	09	0.25	38.689	16	33.3	38.09	16	33.3	K5 J	13A	4811	A -20 3299
51		8.2R	10 53 41.445	-0.0012	18	-22 36 58.51	0.032	18	0.34	41.464	16	33.3	59.05	16	33.3	K5 J	14	8519	E -22 8578
52		8.5A	53 42.053	-0.0020	17	-20 50 34.96	-0.005	13	0.30	42.086	16	33.3	34.87	16	33.3	F5 J	13A	4813	A -20 3300
53		9.2R	53 45.332	-0.0026	18	-24 25 14.11	-0.023	18	0.34	45.376	16	33.3	13.72	16	33.3	G0 J	14	8520	E -24 9415
54		8.6R	53 48.717	-0.0022	20	-28 59 0.37	-0.033	20	0.36	48.755	16	33.3	-59.81	16	33.3	A0 J	13B	7210	J -28 8537
55		8.0R	53 51.074	-0.0016	12	-25 19 3.06	-0.002	12	0.25	51.101	16	33.3	3.02	16	33.3	K0 J	14	8521	E -24 9416
56		9.0R	53 55.202	-0.0038	20	-29 19 4.85	0.007	20	0.36	55.265	16	33.3	4.96	16	33.3	F5 M	13B	7212	J -28 8539
57		9.3R	53 55.286	-0.0006	20	-28 31 16.38	0.025	20	0.36	55.297	16	33.3	16.79	16	33.3	K M	13B	7211	J -28 8538
58		9.1A	53 55.666	-0.0024	17	-20 0 1.48	-0.041	13	0.30	55.706	18	33.2	0.79	16	33.2	F5 J	12B	4816	A -19 3138
59		9.5R	53 58.873	-0.0009	18	-23 19 8.23	0.021	18	0.34	58.887	16	33.3	8.58	16	33.3	F5 J	14	8523	E -22 8580
60		8.9R	54 3.205	-0.0011	17	-29 21 19.57	0.029	17	0.32	3.224	16	33.3	20.05	16	33.3	F0 M	13B	7213	J -28 8541
61		9.6R	54 6.905	0.0040	18	-23 16 26.63	0.008	18	0.34	6.838	16	33.3	26.77	16	33.3	G M	14	8525	E -22 8581
62		8.3A	54 10.704	-0.0033	18	-21 0 28.66	0.008	13	0.31	10.758	16	33.3	28.79	16	33.3	A2 J	13A	4818	A -20 3301
63		8.9A	54 17.477	-0.0024	17	-20 23 49.97	0.012	13	0.30	17.517	16	33.3	50.17	16	33.3	A0 J	13A	4819	A -19 3140
64		8.5R	54 17.817	-0.0018	12	-26 4 41.76	0.003	12	0.25	17.848	16	33.3	41.81	16	33.3	K5 J	14	8526	E -25 8338
65		9.0R	54 22.338	-0.0049	17	-29 25 16.47	0.012	17	0.32	22.421	16	33.3	16.27	16	33.3	F8 M	13B	7216	J -29 8731
66		9.0R	54 24.359	-0.0055	12	-29 27 53.02	0.001	12	0.25	24.451	16	33.3	53.03	16	33.3	G0 M	13B	7217	J -29 8732
67		7.8A	54 25.529	-0.0042	17	-21 45 57.98	0.013	13	0.30	25.598	16	33.3	58.19	16	33.3	M1 J	13A	4820	A -21 3192
68		8.9R	54 26.771	-0.0003	12	-27 53 36.14	-0.060	12	0.25	26.776	16	33.3	35.14	16	33.3	K0 M	13B	7218	J -27 7775
69		9.3R	54 26.870	-0.0009	15	-23 44 41.95	-0.005	15	0.30	26.885	16	33.3	41.86	16	33.3	G5 J	14	8528	E -23 9629
70		8.6R	54 28.880	0.0014	18	-23 8 5.03	-0.005	18	0.34	28.856	16	33.3	4.95	16	33.3	F5 J	14	8529	E -22 8585
71		8.5A	54 32.177	-0.0055	17	-21 18 11.79	0.001	13	0.30	32.269	16	33.3	11.80	16	33.3	K0 J	13A	4823	A -20 3302
72		8.0R	54 39.993	-0.0044	20	-28 12 31.11	0.029	20	0.36	40.066	16	33.3	31.59	16	33.3	K2 J	13B	7221	J -27 7778
73		9.0A	54 44.527	-0.0040	17	-21 23 20.72	0.006	13	0.30	44.595	16	33.3	20.81	16	33.3	F5 J	13A	4824	A -20 3304
74		9.3R	54 51.407	0.0030	17	-29 44 46.67	-0.026	17	0.32	51.357	16	33.3	46.24	16	33.3	G0 M	13B	7223	J -29 8736
75		9.3R	54 56.608	-0.0010	17	-29 26 14.29	-0.022	17	0.32	56.625	16	33.3	13.92	16	33.3	K2 M	13B	7225	J -29 8739
76		8.5R	54 57.739	-0.0020	18	-25 1 34.93	-0.004	18	0.34	57.772	16	33.3	34.85	16	33.3	K2 J	14	8530	E -24 9425
77		9.2R	54 58.416	-0.0006	15	-27 49 17.55	0.021	15	0.30	58.426	16	33.3	17.90	16	33.3	A5 M	13B	7226	J -27 7782
78		7.6R	55 0.464	-0.0022	12	-29 0 47.95	0.014	12	0.25	0.501	16	33.3	48.18	16	33.3	G5 J	13B	7227	J -28 8551
79		9.2R	55 3.095	-0.0038	15	-23 40 14.90	-0.001	15	0.30	3.158	16	33.3	14.88	16	33.3	G5 J	14	8531	E -23 9634
80		9.2R	55 9.804	0.0010	17	-29 22 7.38	0.037	17	0.32	9.788	16	33.3	7.99	16	33.3	K2 M	13B	7228	J -28 8552
81		8.5R	55 16.015	-0.0003	12	-29 59 31.64	-0.022	12	0.25	16.020	16	33.3	31.26	16	33.3	K0 J	13B	7229	J -29 8745
82		8.2R	55 23.423	-0.0014	15	-23 46 12.31	0.004	15	0.30	23.446	16	33.3	12.37	16	33.3	K0 J	14	8533	E -23 9636
83		7.8A	55 28.620	-0.0029	17	-21 45 11.57	0.005	13	0.30	28.668	16	33.3	11.64	16	33.3	F5 J	13A	4827	A -21 3195
84		8.3R	55 35.596	-0.0029	20	-28 2 51.88	0.001	20	0.36	35.645	16	33.3	51.90	16	33.3	K0 J	13B	7231	J -27 7786
85		7.5R	55 46.989	-0.0012	12	-28 58 17.77	0.003	12	0.25	47.009	16	33.3	17.82	16	33.3	K2 J	13B	7233	J -28 8558
86		8.9R	55 49.835	-0.0014	18	-26 42 54.01	-0.021	18	0.34	49.857	16	33.3	53.66	16	33.3	K7 M	14	8534	E -26 8260
87		9.1R	56 4.696	-0.0013	18	-24 23 44.26	-0.034	18	0.34	4.718	16	33.3	43.69	16	33.3	K0 M	14	8535	E -23 9644
88		7.8R	56 7.523	0.0025	15	-24 16 35.94	-0.007	15	0.30	7.482	16	33.3	35.82	16	33.3	K2 J	14	8536	E -23 9645
89		7.9R	56 8.561	-0.0015	15	-23 55 56.89	-0.006	15	0.30	8.585	16	33.3	56.79	16	33.3	K2 J	14	8537	E -23 9646
90		8.7R	56 15.384	0.0006	12	-25 50 36.43	0.011	12	0.25	15.375	16	33.3	36.61	16	33.3	G5 J	14	8538	E -25 8358
91		8.9R	56 17.929	-0.0011	15	-27 17 28.88	-0.016	15	0.30	17.946	16	33.3	28.61	16	33.3	K5 M	13B	7240	J -26 8267
92		7.9R	56 18.007	-0.0022	17	-28 52 9.81	-0.012	17	0.32	18.045	16	33.3	9.61	16	33.3	G5 J	13B	7241	J -28 8566
93		9.3R	56 22.269	-0.0012	15	-22 37 1.97	-0.058	15	0.30	22.289	16	33.3	1.01	16	33.3	G0 J	14	8539	E -22 8594
94		9.0A	56 22.435	-0.0062	15	-20 39 25.24	-0.014	15	0.27	22.572	16	33.3	25.00	16	33.3	G5 J	13A	4830	A -20 3307
95		9.1A	56 33.775	-0.0042	17	-21 41 3.82	0.030	13	0.30	33.846	16	33.3	4.31	16	33.3	K2 J	13A	4833	A -21 3199
96		9.0A	56 34.785	-0.0024	17	-20 54 8.37	0.016	13	0.30	34.825	16	33.3	8.63	16	33.3	A5 J	13A	4834	A -20 3308
97		7.7R	56 39.320	-0.0067	18	-22 59 9.62	-0.020	18	0.34	39.431	16	33.3	9.29	16	33.3	F0 J	14	8542	E -22 8599
98		9.2R	56 42.565	-0.0002	13	-29 47 19.84	-0.005	13	0.27	42.569	16	33.3	19.76	16	33.3	F M	13B	7243	J -29 8762
99		8.7R	56 43.084	-0.0144	15	-28 11 15.08	-0.047	15	0.30	43.325	16	33.3	14.29	16	33.3	G5 J	13B	7244	J -27 7798
100		8.5R	56 46.314	0.0007	17	-28 53 28.85	0.013	17	0.32	46.302	16	33.3	29.06	16	33.3	K5 J	13B	7245	J -28 8570

179400			EPOCH 1950								ORIGINAL EPOCH							SP.		SOURCE		-20° 10H
NUMBER	MAGNITUDES		α_{1950}	μ	σ_μ	δ_{1950}	μ'	$\sigma_{\mu'}$	σ_{1950}		α_2	σ	ep.	δ_2	σ'	ep.			CAT.	STAR NUMBER	DM NUMBER
	m_{pg}	m_v	h m s	s	″.001	° ′ ″	″	″.001	″		s	″.01		″	″.01						
1		9.2R	10 56 50.115	-0.0037	18	-23 17 24.38	-0.025	18	0.34		50.177	16	33.3	23.97	16	33.3	F8	J	14	8543	E -22 8600
2		8.9R	56 50.374	-0.0013	17	-29 40 10.18	-0.010	17	0.32		50.396	16	33.3	10.02	16	33.3	G5	M	13B	7246	J -29 8765
3		8.3A	56 58.897	0.0002	17	-20 46 42.30	-0.026	13	0.30		58.895	16	33.3	41.86	16	33.3	K2	J	13A	4838	A -20 3314
4		7.5T	56 59.255	-0.0008	13	-26 29 59.84	0.020	12	0.70		59.295	21	99.8	0.89	19	97.3	+++		GC	15099K	C*-26 8272
5		8.3R	57 6.842	0.0017	15	-27 12 51.19	-0.007	12	0.27		6.814	16	33.8	51.08	16	33.8	K0	J	14	8545	E -26 8273
6		9.1A	57 8.614	-0.0060	18	-21 41 38.31	0.007	13	0.30		8.712	16	33.8	38.42	16	33.8	F8	J	13A	4839	A -21 3200
7		9.6R	57 17.989	0.0055	20	-22 54 39.26	0.155	20	0.35		17.900	16	33.8	41.77	16	33.8			14	8546	E -22 8602
8		8.6A	57 19.799	0.0009	17	-21 4 7.36	-0.009	13	0.29		19.784	16	33.8	7.21	16	33.8	K5	J	13A	4840	A -20 3316
9		8.4R	57 28.381	0.0008	15	-25 15 46.62	-0.019	15	0.29		28.369	16	33.8	46.31	16	33.8	K5	J	14	8549	E -24 9448
10		8.9R	57 28.694	0.0015	18	-27 23 47.66	-0.022	18	0.33		28.670	16	33.8	47.31	16	33.8	K5	J	13B	7250	J -26 8277
11		8.3R	57 38.930	0.0003	12	-27 0 48.21	-0.026	12	0.25		38.925	16	33.8	47.79	16	33.8	K5	J	14	8550	E -26 8279
12		9.6R	57 40.065	-0.0036	15	-27 7 29.62	0.003	12	0.27		40.123	16	33.8	29.67	16	33.8	K0	M	14	8552	E -26 8280
13		9.0R	57 45.578	-0.0029	15	-26 5 9.23	-0.004	15	0.29		45.625	16	33.8	9.16	16	33.8	K0	M	14	8554	E -25 8380
14		9.4R	57 52.527	-0.0025	20	-23 3 11.62	0.029	20	0.35		52.568	16	33.8	12.09	16	33.8	K	M	14	8555	E -22 8612
15		9.2R	57 52.673	-0.0017	20	-28 10 35.31	-0.001	00	0.27		52.701	16	33.8	35.30	16	33.8	K0	M	13B	7253	J*-27 7810
16		9.2R	57 55.924	-0.0066	12	-28 34 33.45	0.019	12	0.25		56.030	16	33.8	33.75	16	33.8	G	M	13B	7255	J -28 8586
17		9.3R	57 56.333	0.0022	20	-28 31 21.33	0.030	20	0.35		56.296	16	33.8	21.81	16	33.8			13B	7254	J -28 8585
18		9.0A	57 56.569	-0.0021	15	-21 56 30.30	0.006	11	0.26		56.603	16	33.8	30.39	16	33.8	A5	J	13A	4843	A -21 3206
19		8.7R	57 58.895	-0.0003	15	-27 26 52.06	-0.012	15	0.29		58.900	16	33.8	51.87	16	33.8	K5	J	13B	7256	J -27 7812
20		8.1R	58 1.061	-0.0012	15	-23 8 58.44	-0.005	15	0.29		1.081	16	33.8	58.36	16	33.8	A2	J	14	8556	E -22 8613
21		8.9R	58 3.725	0.0004	18	-27 57 45.16	-0.016	18	0.33		3.719	16	33.8	44.90	16	33.8	K0	M	13B	7257	J -27 7815
22		9.2R	58 4.704	0.0120	18	-22 33 32.90	-0.012	18	0.33		4.510	16	33.8	32.71	16	33.8			14	8557	E -22 8614
23		8.5R	58 5.592	0.0030	15	-22 31 56.72	0.033	15	0.29		5.543	16	33.8	57.26	16	33.8	K5	J	14	8558	E -22 8615
24		9.5R	58 6.516	0.0187	15	-24 52 23.75	-0.102	15	0.29		6.214	16	33.8	22.11	16	33.8	G	M	14	8559	E -24 9457
25		8.6R	58 9.000	0.0023	18	-25 35 13.38	-0.027	18	0.33		8.963	16	33.8	12.94	16	33.8	KP	J	14	8560	E -25 8383
26		8.5R	58 16.246	-0.0020	12	-27 13 7.50	0.021	12	0.25		16.279	16	33.8	7.84	16	33.8	F2	J	14	8561	E -26 8287
27		8.7A	58 16.877	0.0020	17	-20 2 50.51	-0.037	13	0.30		16.843	18	33.2	49.89	16	33.2	K0	J	12B	4846	A -19 3157
28		8.3R	58 18.629	0.0010	15	-25 26 54.42	0.001	15	0.29		18.613	16	33.8	54.43	16	33.8	A0	J	14	8562	E -25 8385
29		9.5R	58 20.942	0.0013	18	-22 28 38.28	-0.004	18	0.33		20.922	16	33.8	38.21	16	33.8	G	M	14	8563	E -22 8616
30		8.6R	58 26.171	-0.0085	17	-29 37 12.81	-0.012	17	0.31		26.309	16	33.8	12.61	16	33.8	K0	J	13B	7260	J -29 8790
31		9.6R	58 28.752	-0.0022	20	-22 32 31.61	-0.009	20	0.35		28.787	16	33.8	31.47	16	33.8	G	M	14	8564	E -22 8618
32		9.5R	58 31.975	0.0001	18	-22 53 5.49	0.009	18	0.33		31.974	16	33.8	5.64	16	33.8	K	M	14	8565	E -22 8619
33		9.0A	58 38.181	0.0010	17	-21 13 23.39	-0.118	13	0.29		38.165	16	33.8	21.47	16	33.8	F8	J	13A	4847	A -20 3321
34		8.7R	58 40.545	-0.0028	20	-29 42 53.17	-0.007	20	0.35		40.591	16	33.8	53.07	16	33.8	A0	J	13B	7263	J -29 8791
35		8.8R	58 46.959	0.0019	17	-29 0 54.00	-0.017	17	0.31		46.928	16	33.8	53.72	16	33.8	K0	M	13B	7264	J -28 8591
36		8.7R	59 0.262	0.0016	18	-23 8 51.27	0.025	18	0.33		0.236	16	33.8	51.68	16	33.8	A2	J	14	8566	E -22 8623
37		8.7R	59 3.174	-0.0037	15	-27 53 35.05	-0.024	15	0.29		3.234	16	33.8	34.66	16	33.8	K2	M	13B	7266	J -27 7821
38		8.9R	59 3.230	-0.0107	12	-29 27 34.41	-0.010	12	0.25		3.403	16	33.8	34.24	16	33.8	F8	M	13B	7267	J -29 8796
39		8.8R	59 3.884	-0.0096	17	-29 19 41.48	-0.027	17	0.31		4.040	16	33.8	41.04	16	33.8	K0	M	13B	7269	J -28 8596
40		9.1R	59 4.147	-0.0015	17	-28 35 22.59	0.022	17	0.31		4.171	16	33.8	22.94	16	33.8	K2	M	13B	7268	J -28 8595
41		9.5R	59 5.220	0.0027	20	-24 53 40.44	0.041	20	0.35		5.175	16	33.8	41.10	16	33.8	K	M	14	8567	E -24 9469
42		9.3R	59 9.939	0.0005	18	-23 35 26.68	-0.074	18	0.33		9.931	16	33.8	25.48	16	33.8	G5	M	14	8568	E -23 9677
43		9.2R	59 12.980	-0.0012	12	-24 45 37.82	0.016	12	0.25		12.999	16	33.8	38.07	16	33.8	F5	J	14	8569	E -24 9474
44		9.0R	59 18.567	-0.0007	18	-24 6 57.47	-0.008	18	0.33		18.578	16	33.8	57.34	16	33.8	K0	M	14	8570	E -23 9679
45		8.6A	59 21.112	-0.0020	17	-21 34 22.63	0.003	13	0.29		21.145	16	33.8	22.67	16	33.8	F2	J	13A	4853	A -21 3212
46		8.6R	59 29.906	-0.0145	12	-29 36 5.03	0.064	12	0.25		30.140	16	33.8	6.07	16	33.8	F8	J	13B	7273	J -29 8800
47		9.5R	59 32.193	0.0064	18	-24 19 35.71	-0.031	18	0.33		32.089	16	33.8	35.21	16	33.8			14	8571	E -23 9681
48		8.9A	59 34.204	0.0102	17	-21 13 38.91	-0.078	13	0.29		34.039	16	33.8	37.64	16	33.8	G5	J	13A	4854	A -20 3324
49		8.4A	59 35.905	-0.0033	15	-21 52 55.44	-0.005	11	0.26		35.959	16	33.8	55.35	16	33.8	A0	J	13A	4855	A -21 3215
50		9.6R	59 37.097	-0.0056	20	-22 45 52.40	0.022	20	0.35		37.187	16	33.8	52.76	16	33.8			14	8572	E -22 8629
51		9.5R	10 59 39.740	-0.0003	15	-23 45 25.45	0.007	15	0.29		39.745	16	33.8	25.56	16	33.8	G0	M	14	8573	E -23 9684
52		8.2A	59 41.299	-0.0045	17	-21 36 46.08	-0.008	13	0.29		41.372	16	33.8	45.94	16	33.8	F0	J	13A	4856	A -21 3217
53		8.6R	59 47.874	-0.0003	18	-23 8 16.16	-0.031	18	0.33		47.878	16	33.8	15.66	16	33.8	F8	J	14	8574	E -22 8631
54		8.6R	59 48.125	-0.0015	18	-24 27 15.42	-0.007	18	0.33		48.150	16	33.8	15.30	16	33.8	G0	J	14	8575	E -24 9479
55		9.0R	59 53.395	0.0006	12	-29 38 55.47	0.015	12	0.25		53.385	16	33.8	55.70	16	33.8	A0	J	13B	7274	J -29 8803
56		6.2T	59 58.974	0.0047	04	-26 33 37.61	-0.124	04	0.22		58.757	09	03.9	31.51	09	00.8	F0		GC	15171K	C*-26 8302
57		7.5A	59 59.706	-0.0038	15	-21 8 31.07	0.005	11	0.26		59.766	16	33.8	31.14	16	33.8	K0	J	13A	4858	A -20 3326
58		8.6R	11 0 4.709	0.0021	18	-22 49 10.87	0.001	18	0.33		4.674	16	33.8	10.89	16	33.8	K2	J	14	8579	E -22 8637
59		9.3R	0 10.149	-0.0001	18	-25 17 12.39	0.002	18	0.33		10.151	16	33.8	12.41	16	33.8			14	8580	E -24 9482
60		9.3R	0 11.255	-0.0090	18	-24 0 44.85	-0.030	18	0.33		11.400	16	33.8	44.36	16	33.8	K0	J	14	8581	E -23 9690
61		8.2R	0 14.577	-0.0045	18	-23 20 39.89	0.028	18	0.33		14.650	16	33.8	40.34	16	33.8	F8	J	14	8582	E -22 8640
62		8.6R	0 15.526	-0.0001	17	-29 42 32.59	-0.008	17	0.31		15.528	16	33.8	32.46	16	33.8	A0	J	13B	7277	J -28 8614
63		9.8R	0 16.363	0.0016	20	-24 48 20.54	0.020	20	0.35		16.336	16	33.8	20.86	16	33.8			14	8583	E -24 9483
64		8.2R	0 16.393	0.0009	18	-25 37 5.15	0.037	18	0.33		16.380	16	33.8	5.75	16	33.8	K2	J	14	8584	E -25 8405
65		7.8R	0 27.468	0.0024	17	-28 27 19.36	-0.020	17	0.31		27.430	16	33.8	19.04	16	33.8	K2	J	13B	7280	J -28 8615
66		9.3R	0 28.454	0.0018	18	-22 38 16.80	-0.010	18	0.33		28.425	16	33.8	16.64	16	33.8	K0	M	14	8587	E -22 8643
67		7.2R	0 29.149	-0.0046	18	-23 43 5.21	0.016	18	0.33		29.224	16	33.8	5.46	16	33.8	K2	J	14	8588	E -23 9693
68		8.8R	0 39.146	-0.0016	18	-26 8 46.88	-0.025	18	0.33		39.171	16	33.8	46.48	16	33.8	K5	J	14	8589	E -25 8410
69		6.8T	0 39.475	-0.0038	13	-25 18 21.16	0.010	12	0.68		39.668	15	99.6	21.68	17	96.5	A2		GC	15184	C -24 9487
70		9.1R	0 42.309	-0.0006	18	-24 54 25.80	-0.016	18	0.33		42.318	16	33.8	25.55	16	33.8	F0	J	14	8591	E -24 9488
71		8.2R	0 44.104	-0.0016	17	-29 54 46.09	-0.036	17	0.31		44.130	16	33.8	45.52	16	33.8	K5	J	13B	7282	J -29 8813
72		9.6R	0 44.871	0.0002	20	-23 23 48.92	0.077	20	0.35		44.867	16	33.8	50.17	16	33.8			14	8592	E -22 8645
73		9.2R	0 48.898	0.0001	15	-24 39 37.00	0.017	15	0.29		48.896	16	33.8	37.28	16	33.8	A2	J	14	8594	E -24 9489
74		7.5T	0 51.816	-0.0043	10	-27 14 54.31	-0.000	10	0.56		52.042	18	97.3	54.31	18	95.7	A0		GC	15191K	C*-26 8311
75		9.1A	0 52.806	-0.0018	17	-20 23 2.53	0.004	13	0.29		52.835	16	33.8	2.59	16	33.8	A0	J	13A	4862	A -19 3166
76		8.2R	0 57.797	-0.0032	21	-23 30 46.88	0.001	21	0.37		57.849	16	33.8	46.89	16	33.8	K0	J	14	8596	E -23 9699
77		8.8R	0 58.618	-0.0017	15	-27 29 13.11	-0.031	15	0.29		58.645	16	33.8	12.61	16	33.8	K5	M	13B	7285	J -27 7837
78		9.6R	1 0.924	-0.0031	18	-27 44 52.42	-0.016	18	0.33		0.974	16	33.8	52.16	16	33.8	G	M	13B	7286	J -27 7838
79		9.4R	1 1.001	0.0007	18	-22 53 51.60	0.009	18	0.33		0.989	16	33.8	51.75	16	33.8	K0	M	14	8597	E -22 8646
80		9.3R	1 5.085	0.0041	18	-23 1 29.88	-0.010	18	0.33		5.019	16	33.8	29.72	16	33.8	K	M	14	8598	E -22 8648
81		8.7R	1 5.278	0.0006	17	-29 31 24.08	-0.039	17	0.31		5.269	16	33.8	24.71	16	33.8	K2	M	13B	7287	J -29 8818
82		8.7A	1 9.423	0.0010	17	-21 18 8.66	-0.003	13	0.29		9.407	16	33.8	8.60	16	33.8	K5	J	13A	4863	A -20 3330
83		8.1R	1 11.151	-0.0004	17	-29 59 43.26	0.053	17	0.31		11.158	16	33.8	44.12	16	33.8	K0	J	13B	7288	J -29 8819
84		8.8R	1 12.148	0.0018	18	-22 32 46.88	0.071	18	0.33		12.118	16	33.8	48.03	16	33.8	K0	J	14	8599	E -22 8649
85		8.5R	1 14.413	-0.0012	15	-25 39 47.00	0.003	12	0.27		14.432	16	33.8	47.05	16	33.8	K2	J	14	8600	E -25 8421
86		8.9R	1 15.307	0.0023	18	-27 28 57.56	0.023	18	0.33		15.269	16	33.8	57.93	16	33.8	K0	M	13B	7290	J -27 7841
87		8.2R	1 15.588	-0.0023	15	-25 23 22.44	0.013	15	0.29		15.626	16	33.8	22.64	16	33.8	G0	J	14	8601	E -24 9494
88		9.3R	1 18.323	0.0052	17	-29 25 16.09	0.058	17	0.31		18.239	16	33.8	19.03	16	33.8	K0	M	13B	7291	J -29 8822
89		9.2R	1 18.668	-0.0027	18	-24 20 49.08	-0.024	18	0.33		18.711	16	33.8	48.69	16	33.8	K0	J	14	8602	E -23 9703
90		8.7A	1 27.868	-0.0023	17	-20 28 58.27	0.006	13	0.29		27.906	16	33.8	58.37	16	33.8	K0	J	13A	4866	A -19 3168
91		8.9R	1 31.155	-0.0019	18	-22 38 25.13	0.037	18	0.33		31.186	16	33.8	25.73	16	33.8	F5	J	14	8603	E -22 8653
92		8.7R	1 33.839	-0.0008	17	-29 29 33.94	0.039	17	0.31		33.853	16	33.8	34.56	16	33.8	K	M	13B	7294	J -29 8826
93		8.4R	1 33.928	0.0023	12	-29 33 15.01	0.022	12	0.25		33.890	16	33.8	15.37	16	33.8	K2	J	13B	7293	J -29 8825
94		8.7A	1 42.784	-0.0021	15	-22 1 49.95	-0.022	11	0.26		42.818	16	33.8	49.39	16	33.8	K0	J	13A	4868	A -21 3223
95		8.6R	1 50.212	-0.0082	15	-27 1 0.50	-0.007	15	0.29		50.344	16	33.8	0.39	16	33.8	K0	J	14	8606	E -26 8324
96		9.2A	1 57.286	-0.0003	18	-20 6 31.94	-0.004	13	0.32		57.291	18	33.2	31.87	16	33.2	G	J	12B	4869	A -19 3169
97		8.7A	1 58.817	-0.0011	15	-20 40 31.20	0.022	11	0.26		58.835	16	33.8	31.55	16	33.8	G5	J	13A	4870	A -20 3334
98		9.1R	1 59.565	0.0036	15	-23 37 48.30	-0.068	15	0.29		59.507	16	33.8	47.20	16	33.8	K0	M	14	8607	E -23 9713
99		9.2R	2 0.653	-0.0011	18	-23 13 14.54	0.034	18	0.33		0.670	16	33.8	15.09	16	33.8	K2	J	14	8608	E -22 8657
00		8.1A	2 4.538	-0.0015	17	-20 51 22.50	-0.031	13	0.29		4.561	16	33.8	21.99	16	33.8	F2	J	13A	4872	A -20 3335

179500	EPOCH 1950										ORIGINAL EPOCH						SP.	SOURCE		-20° 11H
NUMBER	MAGNITUDES m_{pg}	m_v	α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	σ_μ ″.001	σ_{1950} ″	α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.		CAT.	STAR NUMBER	DM NUMBER
1		9.6R	11 2 4.819	-0.0061	20	-24 23 24.35	-0.069	20	0.35	4.918	16	33.8	23.23	16	33.8		14	8610	E -23 9715
2		9.3R	2 5.099	0.0027	18	-22 51 57.10	-0.005	18	0.33	5.055	16	33.8	57.02	16	33.8	K5 J	14	8609	E -22 8658
3		9.2R	2 9.784	-0.0009	18	-26 23 6.22	-0.033	18	0.33	9.779	16	33.8	5.89	16	33.8	A3 J	14	8612	E -25 8434
4		7.5R	2 10.934	-0.0040	15	-22 30 46.06	0.019	15	0.29	10.999	16	33.8	46.37	16	33.8	F8 J	14	8611	E -22 8661
5		9.1R	2 11.630	-0.0025	18	-24 35 56.68	0.047	18	0.33	11.669	16	33.8	57.43	16	33.8	K0 J	14	8613	E -24 9503
6		9.4R	2 20.626	-0.0052	15	-24 18 10.23	0.032	15	0.29	20.709	16	33.8	10.74	16	33.8	F8 M	14	8614	E -23 9718
7		9.5R	2 23.865	-0.0016	18	-26 34 6.52	-0.016	18	0.33	23.890	16	33.8	6.26	16	33.8	K5 J	14	8616	E -26 8331
8		9.5R	2 24.085	0.0013	20	-24 11 39.65	0.019	20	0.35	24.085	16	33.8	39.96	16	33.8	K0 M	14	8615	E+ -23 9720
9		9.1R	2 29.177	0.0005	18	-27 13 42.49	0.011	18	0.33	29.168	16	33.8	42.67	16	33.8	F0 M	14	8617	E -26 8332
10		8.6A	2 32.434	-0.0029	15	-22 7 6.50	-0.037	11	0.26	32.480	16	33.8	5.90	16	33.8	K0 J	13A	4874	A -21 3229
11		8.8R	2 43.085	-0.0084	15	-26 35 20.09	-0.019	15	0.29	43.123	16	33.8	19.78	16	33.8	A0 J	14	8619	E -26 8336
12		9.5R	2 43.448	-0.0014	18	-24 18 47.30	-0.018	18	0.33	43.471	16	33.8	47.00	16	33.8	F0 M	14	8618	E -23 9723
13		9.4R	2 53.776	-0.0016	18	-24 0 42.93	0.002	18	0.33	53.802	16	33.8	42.96	16	33.8	G0 M	14	8620	E -23 9724
14		5.1H	55.152	-0.0142	02	-27 : 23.86	-0.006	02	5.08	55.607	04	17.9	23.69	04	15.2	F4	F4	419	C -26 8338
15		9.0R	3 5.318	-0.0084	21	-29 21 41.03	0.003	21	0.37	5.357	16	33.8	41.08	16	33.8	G0 M	13B	7308	J -28 8642
16		9.0R	3 7.752	-0.0005	18	-24 44 56.66	0.000	18	0.33	7.759	16	33.8	56.66	16	33.8	A2 J	14	8622	E -24 9514
17		9.4R	3 12.088	0.0045	18	-23 43 43.40	-0.007	18	0.33	12.010	16	33.8	43.28	16	33.8	G5 J	14	8623	E -23 9729
18		8.7A	3 13.552	-0.0015	17	-21 49 43.88	-0.005	13	0.29	13.576	16	33.8	43.79	16	33.8	F5 J	13A	4875	A -21 3232
19		8.9R	3 13.561	-0.0009	18	-22 51 33.64	0.055	18	0.33	13.575	16	33.8	34.53	16	33.8	K5 J	14	8624	E -22 8668
20		8.3A	3 22.683	0.0020	17	-20 8 17.83	-0.047	13	0.29	22.651	16	33.8	17.07	16	33.8	G0 J	13A	4876	A -19 3172
21		9.1R	3 27.371	-0.0046	20	-29 24 16.87	-0.060	20	0.35	27.446	16	33.8	17.83	16	33.8	F8 M	13B	7309	J -29 8647
22		5.7T	3 31.863	0.0024	05	-27 1 2.11	-0.018	04	0.25	31.751	10	03.4	1.18	10	98.3	B8	GC	15260	C+ -26 8342
23		9.6R	3 34.981	-0.0031	18	-26 39 37.54	-0.011	18	0.33	35.090	16	33.8	37.36	16	33.8	F5 M	14	8626	E -26 8343
24		8.7R	3 35.798	-0.0028	20	-27 43 1.77	-0.009	20	0.35	35.843	16	33.8	1.92	16	33.8	K0 M	13B	7310	J -27 7857
25		9.5R	3 36.315	-0.0147	18	-22 50 44.93	-0.028	18	0.33	36.552	16	33.8	44.48	16	33.8	G M	14	8627	E -22 8673
26		8.6A	3 37.051	-0.0076	15	-21 49 11.35	0.003	11	0.26	37.174	16	33.8	11.39	16	33.8	F5 J	13A	4877	A -21 3234
27		9.4R	3 37.398	-0.0013	18	-24 12 21.72	0.077	18	0.33	37.419	16	33.8	22.96	16	33.8	F8 M	14	8628	E -23 9734
28		9.2R	3 38.010	-0.0004	18	-26 22 6.97	-0.005	18	0.33	38.017	16	33.8	6.89	16	33.8	F8 M	14	8629	E -25 8450
29		8.5R	3 38.814	-0.0010	15	-27 33 8.30	0.015	15	0.29	38.830	16	33.8	8.54	16	33.8	F5 J	13B	7311	J -27 7858
30		9.0R	3 40.177	-0.0032	18	-22 56 58.95	-0.005	18	0.33	40.229	16	33.8	58.87	16	33.8	K0 J	14	8630	E -22 8675
31		8.6A	3 43.272	-0.0014	17	-22 11 47.08	-0.006	13	0.29	43.294	16	33.8	46.98	16	33.8	K5 J	13A	4878	A -21 3235
32		9.5R	3 49.915	-0.0055	20	-28 33 21.02	0.040	20	0.35	50.005	16	33.8	21.66	16	33.8	G M	13B	7313	J -28 8650
33		9.0R	3 50.880	-0.0061	20	-28 48 8.38	0.011	20	0.35	50.979	16	33.8	8.56	16	33.8	A0 M	13B	7314	J -28 8651
34		9.4R	3 53.823	0.0032	12	-28 8 54.03	0.054	12	0.25	53.772	16	33.8	54.90	16	33.8	G0 M	13B	7315	J -27 7859
35		8.5R	3 55.193	-0.0209	20	-29 41 50.92	0.083	20	0.35	55.531	16	33.8	52.27	16	33.8	G0 J	13B	7316	J -29 8655
36		8.9A	4 4.356	-0.0049	17	-21 22 11.05	0.016	13	0.29	4.436	16	33.8	11.30	16	33.8	F8 J	13A	4881	A -20 3346
37		7.2T	4 5.346	-0.0029	11	-20 53 47.24	-0.011	10	0.41	5.464	09	10.0	46.80	09	11.7	A0	GC	15274	-20 3347
38		8.9R	4 7.183	-0.0015	17	-29 32 30.12	-0.032	17	0.31	7.207	16	33.8	29.61	16	33.8	M1 M	13B	7318	J -29 8660
39		9.2R	4 8.234	-0.0036	15	-24 57 37.65	-0.018	15	0.29	8.292	16	33.8	37.36	16	33.8	G5 J	14	8631	E -24 9525
40		8.2A	4 8.621	-0.0003	17	-20 25 39.65	-0.004	13	0.29	8.627	16	33.8	39.58	16	33.8	K0 J	13A	4883	A -19 3176
41		9.4R	4 12.876	0.0048	18	-24 16 12.02	0.013	18	0.33	12.797	16	33.8	12.23	16	33.8	K0 M	14	8632	E -23 9741
42		6.5T	4 13.784	-0.0045	12	-28 27 28.15	-0.036	10	0.60	14.015	18	98.2	22.17	18	95.1	A0	GC	15276	C -28 8657
43		9.3R	4 19.086	-0.0001	18	-26 4 31.49	0.020	18	0.33	19.068	16	33.8	31.82	16	33.8	K5 J	14	8633	E -25 8454
44		8.7A	4 21.128	-0.0027	18	-22 5 30.13	-0.051	13	0.30	21.171	16	33.8	29.30	16	33.8	F0 J	13A	4885	A -21 3237
45		8.5R	4 24.571	-0.0008	18	-23 17 5.99	-0.002	18	0.33	24.583	16	33.8	5.96	16	33.8	A5 J	14	8634	E -22 8683
46		9.2R	4 27.747	0.0027	12	-29 24 8.83	0.017	12	0.25	27.703	16	33.8	9.10	16	33.8	K5 M	13B	7321	J -28 8658
47		7.6R	4 30.627	0.0017	15	-23 52 51.85	-0.064	15	0.29	30.800	16	33.8	50.81	16	33.8	K0 J	14	8635	E -23 9745
48		8.6R	4 30.967	-0.0224	18	-27 41 56.11	0.014	18	0.33	31.329	16	33.8	56.34	16	33.8	G5 M	13B	7324	J -27 7867
49		9.1R	4 39.303	-0.0008	18	-26 41 39.55	-0.005	18	0.33	39.316	16	33.8	39.47	16	33.8	A5 M	14	8636	E -26 8352
50		8.6R	4 49.120	-0.0041	12	-29 25 2.89	0.044	12	0.25	49.187	16	33.8	3.60	16	33.8	K0 M	13B	7325	J -29 8666
51		9.5R	11 4 51.643	0.0057	15	-27 45 1.16	-0.079	15	0.29	51.550	16	33.8	-59.89	16	33.8	K0 M	13B	7326	J -27 7871
52		8.6R	5 0.371	-0.0021	18	-23 8 19.53	0.008	18	0.33	0.405	16	33.8	19.66	16	33.8	A0 J	14	8638	E -22 8688
53		7.5T	5 2.446	-0.0011	13	-28 13 13.86	-0.000	13	0.69	2.499	15	99.4	13.86	18	97.7	K0	GC	15306	C -27 7873
54		9.0A	5 3.866	-0.0027	17	-21 41 14.02	-0.044	13	0.29	3.909	16	33.8	13.30	16	33.8	G5 J	13A	4888	A -21 3240
55		8.8A	5 20.465	0.0007	17	-20 32 40.86	-0.029	13	0.29	20.455	16	33.8	40.40	16	33.8	K0 J	13A	4889	A -20 3350
56		9.3R	5 23.999	0.0034	18	-23 31 44.57	-0.002	18	0.33	23.943	16	33.8	44.53	16	33.8	F5 J	14	8640	E -23 9751
57		9.5R	5 28.809	-0.0017	18	-24 43 53.11	-0.018	18	0.33	28.837	16	33.8	52.82	16	33.8	K M	14	8641	E -24 9537
58		6.5T	5 31.490	-0.0396	12	-29 54 6.95	-0.143	09	0.60	33.494	17	99.4	-59.02	17	94.7	G0	GC	15311	C+ -29 8675
59		8.3R	5 32.289	-0.0004	12	-23 35 15.11	-0.014	12	0.25	32.275	16	33.8	14.88	16	33.8	K0 J	14	8642	E -23 9752
60		9.4R	5 33.351	-0.0020	18	-23 9 23.74	0.003	18	0.33	33.383	16	33.8	23.79	16	33.8	F0 M	14	8643	E -22 8695
61		8.7R	5 36.285	-0.0004	12	-22 34 8.09	0.004	12	0.25	36.291	16	33.8	8.16	16	33.8	K2 J	14	8645	E -22 8697
62		9.3R	5 36.358	-0.0049	15	-27 17 12.98	-0.026	15	0.29	36.437	16	33.8	12.56	16	33.8	F8 M	13B	7331	J -26 8366
63		9.2R	5 37.922	-0.0011	18	-24 19 52.26	-0.048	18	0.33	37.939	16	33.8	51.48	16	33.8	G5 J	14	8646	E -23 9753
64		8.9A	5 41.063	-0.0086	17	-22 16 45.68	0.030	12	0.28	41.153	16	33.8	46.16	16	33.8	F2 J	13A	4891	A -21 3241
65		7.3A	5 42.564	-0.0061	15	-21 14 51.88	0.019	11	0.26	42.663	16	33.8	52.18	16	33.8	K0 J	13A	4892	A -20 3352
66		9.0R	5 42.718	-0.0374	20	-27 59 48.18	-0.026	20	0.35	43.323	16	33.8	47.76	16	33.8	K7 M	13B	7332	J -27 7881
67		8.3R	5 48.428	-0.0001	18	-26 51 6.83	-0.045	18	0.33	48.429	16	33.8	6.10	16	33.8	K2 J	14	8647	E -26 8367
68		6.4T	5 50.762	0.0004	12	-29 42 5.15	-0.024	11	0.61	50.742	15	99.3	3.83	18	95.8	A0	GC	15314	C+ -29 8677
69		8.5R	5 59.423	-0.0009	18	-24 15 48.75	-0.003	18	0.33	59.437	16	33.8	48.70	16	33.8	K0 J	14	8648	E -23 9755
70		9.7R	5 59.839	-0.0001	18	-24 27 34.79	-0.025	18	0.33	59.841	16	33.8	34.38	16	33.8	K M	14	8649	E -24 9546
71		8.8A	6 0.579	-0.0021	17	-20 30 55.04	0.002	13	0.29	0.613	16	33.8	55.06	16	33.8	M2 J	13A	4893	A -20 3353
72		9.1R	6 1.720	-0.0042	15	-22 36 29.38	0.014	15	0.29	1.788	16	33.8	29.61	16	33.8	A5 J	14	8650	E -22 8701
73		8.3A	6 8.870	-0.0028	15	-21 53 21.04	-0.022	11	0.26	8.915	16	33.8	20.68	16	33.8	K2 J	13A	4894	A -21 3242
74		7.9R	6 9.509	0.0036	17	-29 51 22.86	0.024	17	0.31	9.451	16	33.8	23.26	16	33.8	F5 J	13B	7335	J -29 8881
75		7.1T	6 14.684	-0.0011	11	-29 28 33.42	-0.011	10	0.59	14.743	18	98.1	32.61	18	95.7	K0	GC	15321	C+ -29 8682
76		9.4R	6 17.450	0.0032	18	-25 5 40.91	0.168	18	0.33	17.399	16	33.8	43.62	16	33.8	G M	14	8651	E -24 9550
77		5.5T	6 18.547	-0.0062	03	-27 48 33.10	-0.020	04	0.18	18.818	06	06.0	32.20	07	05.2	A2	GC	15325	C -27 7886
78		8.9A	6 18.612	0.0009	17	-21 47 14.65	-0.028	12	0.28	18.597	16	33.8	14.19	16	33.8	G0 J	13A	4897	A -21 3244
79		8.8A	6 24.610	0.0011	18	-21 48 24.06	-0.032	15	0.31	24.592	16	33.8	23.54	16	33.8	G0 J	13A	4899	A -21 3246
80		9.1A	6 29.304	-0.0057	17	-21 37 18.13	0.017	13	0.29	29.396	16	33.8	18.41	16	33.8	A5 J	13A	4902	A -21 3248
81		9.4R	6 29.639	-0.0025	18	-22 49 16.26	-0.002	18	0.33	29.679	16	33.8	16.23	16	33.8	F8 M	14	8652	E -22 8707
82		9.5R	6 33.623	-0.0012	20	-23 21 15.03	-0.018	20	0.35	33.642	16	33.8	14.74	16	33.8	K M	14	8653	E -22 8709
83		9.2R	6 36.890	-0.0043	20	-22 58 0.99	0.033	20	0.35	36.959	16	33.8	1.53	16	33.8	K5 M	14	8654	E -22 8710
84		8.3A	6 37.176	-0.0027	17	-20 14 32.10	0.012	13	0.30	37.222	18	33.2	32.30	16	33.2	A0 J	12B	4903	A -19 3165
85		9.1R	6 37.260	-0.0003	12	-26 19 0.65	-0.040	12	0.25	37.264	16	33.8	0.00	16	33.8	K0 M	14	8655	E -25 8481
86		9.1R	6 38.617	-0.0067	20	-28 53 50.71	-0.030	20	0.35	38.726	16	33.8	50.22	16	33.8	G5 M	13B	7345	J -28 8680
87		9.1R	6 41.055	0.0002	00	-28 7 0.49	-0.015	18	0.26	41.053	16	33.8	0.25	16	33.8	K M	13B	7346	J -27 7892
88		8.9R	6 42.415	-0.0014	17	-28 59 22.22	0.088	17	0.31	42.439	16	33.8	23.64	16	33.8	A5 M	13B	7347	J -28 8681
89		9.2R	6 43.463	-0.0075	18	-24 44 34.46	0.002	18	0.33	43.584	16	33.8	34.49	16	33.8	K0 M	14	8656	E -24 9553
90		9.0R	6 50.604	-0.0053	18	-23 25 31.39	-0.027	18	0.33	50.689	16	33.8	30.96	16	33.8	K0 J	14	8657	E -23 9760
91		8.2R	7 1.692	-0.0014	15	-28 1 20.79	-0.009	15	0.29	1.715	16	33.8	20.65	16	33.8	F8 J	13B	7351	J -27 7895
92		8.4R	7 2.742	0.0184	18	-25 43 6.29	-0.046	18	0.33	2.445	16	33.8	5.55	16	33.8	G5 J	14	8658	E -25 8487
93		9.2A	7 3.853	-0.0038	17	-21 33 55.38	0.028	13	0.29	3.915	16	33.8	55.83	16	33.8	K0 J	13A	4906	A -21 3249
94		9.3R	7 8.848	-0.0007	15	-27 34 51.42	-0.000	15	0.29	8.860	16	33.8	51.42	16	33.8	G M	13B	7352	J -27 7896
95		8.5R	7 9.881	-0.0019	18	-23 16 43.78	-0.003	18	0.33	9.911	16	33.8	43.73	16	33.8	K0 J	14	8659	E -22 8714
96		9.3R	7 11.606	0.0005	20	-27 30 41.10	0.062	20	0.35	11.599	16	33.8	42.10	16	33.8	A0 J	13B	7354	J -27 7898
97		9.5R	7 15.930	-0.0036	17	-24 54 45.33	-0.019	17	0.31	15.988	16	33.8	45.03	16	33.8	K M	14	8661	E -24 9559
98		9.5R	7 18.745	-0.0012	18	-25 4 25.62	-0.007	18	0.33	18.764	16	33.8	25.50	16	33.8	G0 J	14	8662	E -24 9560
99		9.2R	7 23.507	-0.0023	12	-27 42 48.12	0.020	12	0.25	23.545	16	33.8	48.44	16	33.8	G5 M	13B	7356	J -27 7901
00		8.9A	7 25.604	-0.0040	17	-22 22 3.37	-0.007	13	0.29	25.668	16	33.8	3.26	16	33.8	K2 J	13A	4908	A -21 3251

179600

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	σ_μ ″.001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.		SOURCE CAT.	STAR NUMBER	-20° 11H DM NUMBER
1		8.5R	11 7 25.789	-0.0017	12	-27 25 0.90	0.047	12	0.25	25.815	16	33.8	1.66	16	33.8	K5	J	13B	7357	J -27 7902
2		9.5R	7 30.837	-0.0087	12	-24 55 9.53	-0.012	12	0.25	30.978	16	33.8	9.33	16	33.8	G0	J	14	8663	E -24 9564
3		9.8T	7 32.881	-0.0020	15	-29 19 42.83	0.016	14	0.74	32.981	21	00.9	43.57	21	02.1	A0		GC	15352K	C -28 8688
4		6.9T	7 33.649	-0.0031	11	-29 31 21.60	-0.022	08	0.57	33.816	17	96.1	20.31	17	89.9	K0		GC	15353	C -29 8896
5		8.3T	7 33.935	-0.0006	12	-29 19 43.95	-0.007	12	0.66	33.969	19	96.7	43.56	18	95.6	A0		GC	15354K	C -28 8688
6		9.0A	7 37.082	-0.0004	17	-21 46 4.79	-0.008	12	0.28	37.089	16	33.8	4.66	16	33.8	F8	J	13A	4909	A -21 3253
7		8.2R	7 37.137	-0.0039	18	-22 34 18.00	0.012	18	0.33	37.201	16	33.8	18.20	16	33.8	F2	J	14	8664	E -22 8721
8		9.0R	7 38.070	0.0025	15	-23 4 30.77	0.002	15	0.29	38.030	16	33.8	30.81	16	33.8	K2	J	14	8665	E -22 8722
9		7.3T	7 38.276	-0.0023	15	-25 20 7.88	-0.006	12	0.73	38.393	18	99.7	7.54	18	95.9	K0		GC	15355	C -24 9567
10		7.8R	7 41.826	-0.0027	12	-27 15 37.89	-0.015	12	0.25	41.869	16	33.8	37.65	16	33.8	K5	J	14	8667	E -26 8394
11		8.9A	7 51.700	0.0004	17	-20 7 55.99	-0.030	13	0.30	51.694	18	33.2	55.49	16	33.2	F8	J	12B	4913	A -19 3192
12		7.6R	7 52.120	0.0002	00	-27 59 54.68	-0.052	18	0.26	52.118	16	33.8	53.84	16	33.8	G5	J	13B	7362	J -27 7908
13		9.3R	7 54.441	-0.0035	15	-23 23 8.57	-0.021	15	0.29	54.498	16	33.8	8.23	16	33.8	F0	M	14	8668	E -22 8724
14		9.3R	8 0.465	-0.0018	20	-29 8 28.51	-0.058	20	0.35	0.494	16	33.8	27.57	16	33.8	K2	M	13B	7364	J -28 8692
15		9.5R	8 2.593	-0.0025	18	-22 31 10.45	-0.026	18	0.33	2.633	16	33.8	10.04	16	33.8	G0	J	14	8669	E -22 8728
16		7.4T	8 5.035	0.0026	12	-25 43 25.51	-0.079	12	0.64	4.901	15	98.4	21.30	18	96.7	A5		GC	15362	C*-25 8500
17		8.3R	8 20.566	0.0018	20	-29 18 7.27	0.095	20	0.35	20.538	16	33.8	8.80	16	33.8	A0	J	13B	7367	J -28 8695
18		8.5R	8 29.273	-0.0012	15	-25 30 42.83	0.004	15	0.29	29.293	16	33.8	42.89	16	33.8	K0	J	14	8671	E -25 8504
19		9.1R	8 36.397	-0.0009	21	-28 42 1.24	0.022	21	0.37	36.412	16	33.8	1.59	16	33.8			13B	7370	J -28 8698
20		8.8R	8 45.859	-0.0020	17	-29 51 23.85	0.005	17	0.31	45.891	16	33.8	23.94	16	33.8	K0	M	13B	7372	J -29 8905
21		9.4R	8 47.434	-0.0026	18	-24 16 28.41	0.019	18	0.33	47.476	16	33.8	28.71	16	33.8			14	8672	E -23 9785
22		9.6R	8 52.893	0.0019	18	-24 8 10.97	-0.039	18	0.33	52.863	16	33.8	10.34	16	33.8			14	8673	E -23 9787
23		9.1A	9 4.964	-0.0061	18	-21 47 59.17	-0.031	15	0.31	5.063	16	33.8	58.66	16	33.8	K0	J	13A	4917	A -21 3260
24		4.5H	9 11.730	0.0000	01	-22 33 8.99	-0.102	01	0.05	11.729	02	13.1	5.28	03	13.7	A2		F4	421	-22 3095
25		9.1R	9 13.658	-0.0065	18	-27 10 7.15	0.018	18	0.33	13.763	16	33.8	7.44	16	33.8	K0	M	14	8675	E -26 8411
26		9.0R	9 17.100	-0.0015	18	-23 10 3.33	0.022	18	0.33	17.124	16	33.8	3.69	16	33.8	K0	M	14	8676	E -22 8744
27		8.5R	9 26.731	0.0024	18	-25 0 7.46	-0.008	18	0.33	26.692	16	33.8	7.32	16	33.8	K5	J	14	8677	E -24 9581
28		6.5T	9 31.368	-0.0017	09	-26 32 3.66	0.013	08	0.53	31.463	17	93.9	4.43	17	90.6	G5		GC	15390	C -26 8412
29		9.4R	9 31.739	-0.0017	20	-28 9 49.54	0.086	20	0.35	31.767	16	33.8	50.93	16	33.8	K0	M	13B	7378	J -27 7918
30		7.0T	9 33.393	0.0203	11	-25 51 48.54	-0.050	11	0.63	32.295	18	95.9	45.77	18	94.5	G0		GC	15392	C*-25 8519
31		7.9A	9 34.714	0.0035	18	-21 3 51.22	-0.136	15	0.31	34.656	16	33.8	49.01	16	33.8	G5	J	13A	4923	A -20 3367
32		8.2A	9 43.635	-0.0016	18	-20 56 52.02	0.003	13	0.30	43.661	16	33.8	52.06	16	33.8	K0	J	13A	4924	A -20 3369
33		9.4R	9 44.686	0.0034	17	-27 26 6.67	0.026	17	0.31	44.630	16	33.8	7.09	16	33.8	F8	M	13B	7379	J -27 7919
34		8.6A	9 45.329	-0.0102	18	-21 0 49.86	0.015	15	0.31	45.493	16	33.8	50.10	16	33.8			13A	4925	A -20 3370
35		7.2T	9 53.201	-0.0022	13	-29 30 38.09	-0.016	10	0.64	53.312	18	99.6	37.24	18	95.5	K5		GC	15401	C -29 8911
36		9.0R	10 0.475	-0.0063	20	-29 39 24.74	0.015	20	0.35	0.576	16	33.8	24.99	16	33.8	G0	M	13B	7383	J -29 8912
37		9.8R	10 0.721	-0.0061	20	-24 24 38.43	0.015	20	0.35	0.819	16	33.8	38.67	16	33.8			14	8680	E -24 9586
38		6.5T	10 6.488	-0.0010	15	-21 28 37.83	0.007	12	0.75	6.543	18	98.0	38.21	18	92.9	K0		GC	15407	-20 3374
39		9.5R	10 8.076	0.0014	18	-24 50 19.87	0.022	18	0.33	8.054	16	33.8	20.23	16	33.8	F8	J	14	8681	E -24 9588
40		8.9R	10 15.645	0.0011	18	-27 39 18.26	-0.031	18	0.33	15.628	16	33.8	17.76	16	33.8	K5	M	13B	7387	J -27 7927
41		9.4R	10 19.649	-0.0026	20	-24 21 8.25	0.015	20	0.35	19.691	16	33.8	8.49	16	33.8	K	M	14	8683	E -23 9802
42		8.8R	10 20.000	-0.0014	18	-23 32 54.19	-0.015	18	0.33	19.977	16	33.8	53.94	16	33.8	K0	J	14	8682	E -23 9801
43		9.1R	10 20.378	-0.0060	20	-28 17 56.80	0.017	20	0.35	20.476	16	33.8	57.08	16	33.8	K0	M	13B	7388	J -27 7929
44		8.7R	10 21.750	-0.0040	15	-25 30 58.62	0.009	15	0.29	21.816	16	33.8	58.76	16	33.8	K2	J	14	8684	E -25 8524
45		9.0R	10 23.872	0.0006	18	-23 34 49.07	-0.000	18	0.33	23.862	16	33.8	49.07	16	33.8	K0	J	14	8685	E -23 9804
46		8.4A	10 40.761	0.0034	17	-20 16 23.03	0.010	13	0.30	40.705	18	33.2	23.19	16	33.2	K0	J	12B	4930	A -19 3202
47		8.9R	10 41.088	0.0001	20	-29 34 26.06	0.083	20	0.35	41.086	16	33.8	27.41	16	33.8	A2	J	13B	7391	J -29 8919
48		7.2T	10 45.669	-0.0021	11	-26 11 34.84	0.003	10	0.60	45.780	21	97.4	35.01	18	93.6	A2		GC	15424	C -25 8531
49		9.3R	10 46.073	-0.0022	20	-29 18 57.50	0.054	20	0.35	46.109	16	33.8	58.37	16	33.8	K2	M	13B	7393	J -28 8718
50		9.5R	10 48.653	0.0031	18	-24 30 59.64	0.021	18	0.33	48.602	16	33.8	59.98	16	33.8	K0	J	14	8687	E -24 9598
51		8.0A	11 10 52.071	-0.0008	17	-21 45 52.99	0.007	12	0.28	52.084	16	33.8	53.10	16	33.8	M1	J	13A	4931	A -21 3264
52		8.3R	10 53.476	-0.0051	20	-28 57 38.59	-0.011	20	0.35	53.559	16	33.8	38.40	16	33.8	K0	M	13B	7395	J -28 8719
53		8.9R	11 1.844	-0.0005	18	-24 8 25.46	-0.033	18	0.33	1.852	16	33.8	24.92	16	33.8	K0	J	14	8688	E -23 9811
54		8.9R	11 7.009	-0.0037	20	-28 30 40.23	0.049	20	0.35	7.069	16	33.8	41.01	16	33.8	K5	M	13B	7397	J -28 8722
55		9.0R	11 7.515	0.0006	20	-29 58 53.06	0.029	20	0.35	7.505	16	33.8	53.54	16	33.8	F0	M	13B	7398	J -29 8924
56		9.2R	11 8.132	0.0011	18	-23 30 8.95	-0.072	18	0.33	8.114	16	33.8	7.78	16	33.8	K0	M	14	8689	E -23 9812
57		8.7A	11 8.258	-0.0003	17	-20 10 41.03	0.003	13	0.30	8.263	18	33.2	41.08	16	33.2	A3	J	12B	4932	A -19 3205
58		8.8R	11 10.686	-0.0017	18	-29 39 41.51	-0.032	18	0.33	10.713	16	33.8	41.00	16	33.8	A5	J	13B	7400	J -29 8925
59		9.2R	11 10.931	-0.0008	18	-23 15 8.47	-0.010	18	0.33	10.943	16	33.8	8.31	16	33.8	K	M	14	8690	E -22 8756
60		9.4R	11 10.944	-0.0002	18	-28 9 54.08	-0.009	18	0.33	10.948	16	33.8	53.94	16	33.8	F5	M	13B	7399	J -27 7941
61		7.3T	11 13.335	-0.0036	18	-22 43 34.73	-0.003	15	0.84	13.508	18	01.7	34.59	19	00.3	A2		GC	15431	-22 3098
62		9.6R	11 14.373	-0.0034	15	-25 6 35.21	0.016	15	0.29	14.429	16	33.8	35.46	16	33.8	G0	J	14	8692	E -24 9602
63		8.4R	11 16.746	-0.0006	18	-26 34 56.54	-0.007	18	0.33	16.755	16	33.8	56.43	16	33.8	K2	J	14	8694	E -26 8436
64		9.4R	11 16.748	-0.0027	20	-23 0 10.03	0.036	20	0.35	16.792	16	33.8	10.62	16	33.8	K0	M	14	8693	E -22 8759
65		8.3R	11 23.010	0.0012	17	-29 47 35.17	-0.062	17	0.31	22.991	16	33.8	34.18	16	33.8	K2	J	13B	7402	J -29 8928
66		8.8R	11 24.822	-0.0043	17	-28 42 5.55	0.029	17	0.31	24.891	16	33.8	6.01	16	33.8	F8	M	13B	7403	J -28 8724
67		8.6R	11 27.181	0.0001	18	-26 27 30.02	0.020	18	0.33	27.180	16	33.8	30.34	16	33.8	A0	J	14	8695	E -26 8431
68		8.7R	11 40.374	-0.0009	12	-27 32 34.45	0.007	12	0.25	40.389	16	33.8	34.56	16	33.8	K7	M	13B	7405	J -27 7946
69		9.0R	11 49.527	0.0007	20	-28 35 36.97	0.013	20	0.35	49.516	16	33.8	37.18	16	33.8	K0	M	13B	7407	J -28 8730
70		8.2R	11 50.990	-0.0017	18	-26 47 20.95	-0.030	18	0.33	51.018	16	33.8	20.47	16	33.8	K0	J	14	8696	E -26 8433
71		9.1R	11 53.215	-0.0002	18	-25 12 18.15	-0.007	18	0.33	53.218	16	33.8	18.03	16	33.8	K0	J	14	8697	E -24 9607
72		9.4R	11 54.435	-0.0004	18	-24 28 16.89	0.026	18	0.33	54.442	16	33.8	17.30	16	33.8	K0	M	14	8698	E -24 9608
73		8.6R	11 54.505	-0.0034	17	-29 53 23.28	0.013	17	0.31	54.560	16	33.8	23.50	16	33.8	A0	J	13B	7408	J -29 8935
74		8.5R	12 2.602	-0.0003	15	-27 18 34.43	-0.045	15	0.29	2.607	16	33.8	33.70	16	33.8	F8	M	13B	7412	J -26 8435
75		9.6R	12 6.164	0.0018	20	-23 38 49.47	0.028	20	0.35	6.134	16	33.8	49.92	16	33.8	A5	M	14	8699	E -23 9822
76		9.4R	12 9.307	-0.0003	20	-27 40 0.17	0.015	20	0.35	9.312	16	33.8	0.41	16	33.8	K0	M	13B	7413	J -27 7951
77		9.2R	12 9.955	0.0022	18	-24 24 42.04	0.017	18	0.33	9.919	16	33.8	42.31	16	33.8	K5	J	14	8700	E -23 9824
78		9.1R	12 10.252	-0.0001	15	-26 48 3.04	0.014	15	0.29	10.253	16	33.8	3.27	16	33.8	K0	M	14	8702	E -26 8437
79		7.5T	12 10.279	0.0029	13	-25 48 7.65	-0.014	12	0.68	10.132	21	99.3	6.90	19	96.0	MB		GC	15455	C -25 8542
80		8.4A	12 13.716	-0.0018	17	-20 22 59.60	-0.002	13	0.29	13.746	16	33.8	59.56	16	33.8	K0	J	13A	4937	A -19 3208
81		8.5R	12 18.043	-0.0018	18	-27 2 8.48	0.013	18	0.33	18.072	16	33.8	8.69	16	33.8	G5	J	14	8703	E -26 8440
82		8.4R	12 19.448	-0.0001	18	-28 2 5.62	0.010	18	0.33	19.449	16	33.8	5.78	16	33.8	K2	J	13B	7414	J -27 7952
83		8.7R	12 19.925	0.0002	20	-29 0 3.33	0.057	20	0.35	19.922	16	33.8	4.25	16	33.8	F0	M	13B	7415	J -28 8731
84		8.4R	12 20.870	0.0212	18	-23 22 27.45	0.036	18	0.33	20.528	16	33.8	28.03	16	33.8	G0	J	14	8704	E -22 8769
85		8.8R	12 21.224	-0.0188	18	-22 49 37.55	-0.367	18	0.33	21.527	16	33.8	31.62	16	33.8	K2	J	14	8705	E -22 8770
86		8.3R	12 22.950	0.0007	20	-28 13 47.26	0.092	20	0.35	22.939	16	33.8	48.75	16	33.8	F8	J	13B	7416	J -27 7953
87		8.8R	12 27.445	-0.0010	18	-24 13 24.68	-0.001	18	0.33	27.461	16	33.8	24.66	16	33.8	K5	J	14	8706	E -23 9827
88		9.2R	12 29.380	0.0019	12	-25 17 35.50	-0.007	12	0.25	29.349	16	33.8	35.38	16	33.8	K0	J	14	8707	E -24 9614
89		9.3R	12 33.901	0.0025	18	-27 17 24.78	0.037	18	0.33	33.860	16	33.8	25.38	16	33.8	F5	M	13B	7418	J -26 8442
90		9.1R	12 36.994	-0.0003	12	-26 54 9.29	-0.003	12	0.25	36.999	16	33.8	9.24	16	33.8	F2	M	14	8708	E -26 8443
91		9.0A	12 37.097	0.0011	15	-22 2 32.31	-0.006	12	0.27	37.080	16	33.8	32.20	16	33.8	F2	J	13A	4941	A -21 3272
92		9.5R	12 40.329	-0.0023	17	-28 9 11.96	-0.015	20	0.33	40.367	16	33.8	11.72	16	33.8	K2	M	13B	7420	J -27 7955
93		9.0R	12 43.200	-0.0015	20	-29 16 25.37	0.010	20	0.35	43.225	16	33.8	25.53	16	33.8	F8	M	13B	7421	J -28 8733
94		8.9R	12 53.075	0.0016	18	-24 16 25.39	0.021	18	0.33	53.050	16	33.8	25.73	16	33.8	K2	J	14	8709	E -23 9831
95		8.1R	12 55.239	-0.0020	20	-29 14 35.81	-0.017	20	0.35	55.272	16	33.8	35.53	16	33.8	B9	J	13B	7422	J -28 8735
96		9.7R	12 56.551	-0.0026	20	-25 12 49.31	-0.018	20	0.35	56.594	16	33.8	49.01	16	33.8	K0	M	14	8710	E -24 9620
97		9.4R	12 57.527	0.0005	18	-22 40 24.57	0.025	18	0.33	57.518	16	33.8	24.98	16	33.8	K0	M	14	8711	E -22 8774
98		9.3R	13 1.230	-0.0044	18	-27 25 22.44	-0.017	18	0.33	1.301	16	33.8	22.16	16	33.8	F8	M	13B	7423	J -27 7959
99		8.3R	13 7.103	-0.0021	20	-29 50 3.35	0.027	20	0.35	7.137	16	33.8	3.78	16	33.8	K2	M	13B	7424	J -29 8952
00		9.5R	13 9.195	-0.0060	20	-28 53 10.82	-0.066	20	0.35	9.293	16	33.8	9.75	16	33.8	G0	M	13B	7426	J -28 8736

179700

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.		SOURCE CAT.	STAR NUMBER	-20° 11H DM NUMBER
1		7.2T	11 13 14.782	-0.0037	16	-22 38 34.96	0.044	14	0.78	14.965	16	00.3	37.19	18	99.5	A2		GC	15486	-22 3104
2		9.0R	13 18.549	-0.0006	12	-25 32 12.52	0.018	12	0.25	18.559	16	33.8	12.81	16	33.8	F0	J	14	8714	E -25 8553
3		8.0R	13 20.015	-0.0021	17	-29 17 2.51	-0.028	17	0.31	20.050	16	33.8	2.05	16	33.8	F5	J	13B	7428	J -28 8739
4		9.0A	13 20.060	-0.0130	17	-22 1 16.77	-0.018	13	0.29	20.271	16	33.8	16.47	16	33.8	G0	J	13A	4947	A -21 3274
5		8.8R	13 24.036	-0.0009	15	-26 38 20.09	-0.028	15	0.29	24.050	16	33.8	19.64	16	33.8	K2	J	14	8715	E -26 8449
6		9.7R	13 29.260	-0.0026	21	-22 50 8.12	0.016	21	0.37	29.301	16	33.8	8.38	16	33.8	G	M	14	8716	E -22 8781
7		9.2R	13 31.736	-0.0014	15	-24 43 59.31	0.009	15	0.29	31.759	16	33.8	59.46	16	33.8	A0	J	14	8717	E -24 9630
8		9.4R	13 32.934	0.0048	18	-24 2 17.78	-0.000	18	0.33	32.856	16	33.8	17.78	16	33.8	G0	J	14	8718	E -23 9836
9		8.6R	13 35.720	0.0013	15	-25 2 29.44	-0.001	15	0.29	35.698	16	33.8	29.41	16	33.8	F5	J	14	8720	E -24 9633
10		9.4A	13 36.271	-0.0034	15	-21 55 25.20	0.004	11	0.26	36.326	16	33.8	25.26	16	33.8	F8	J	13A	4949	A -21 3275
11		8.5A	13 44.001	-0.0084	17	-21 43 51.30	-0.045	13	0.29	44.137	16	33.8	50.57	16	33.8	K0	J	13A	4951	A -21 3276
12		9.3R	13 45.597	0.0021	20	-29 54 28.97	-0.012	20	0.35	45.563	16	33.8	28.78	16	33.8	K5	M	13B	7434	J -29 8959
13		7.6A	13 46.633	-0.0023	17	-20 25 0.70	-0.010	13	0.29	46.671	16	33.8	0.54	16	33.8	K0	J	13A	4952	A -19 3215
14		9.1R	13 48.692	-0.0018	17	-28 37 11.92	-0.012	17	0.31	48.722	16	33.8	11.72	16	33.8	K0	M	13B	7435	J -28 8742
15		9.1R	13 50.865	0.0024	21	-28 38 31.36	0.004	21	0.37	50.827	16	33.8	32.71	16	33.8	A0	M	13B	7436	J -28 8743
16		8.5R	13 52.001	-0.0024	21	-28 57 35.73	-0.008	21	0.37	52.039	16	33.8	34.14	16	33.8	K0	M	13B	7437	J -28 8744
17		9.2R	13 53.749	0.0034	18	-24 21 37.22	0.009	18	0.33	53.694	16	33.8	37.36	16	33.8	A2	J	14	8721	E -23 9840
18		8.5R	13 54.137	-0.0050	18	-23 46 27.40	0.011	18	0.33	54.218	16	33.8	27.58	16	33.8	A2	J	14	8723	E -23 9841
19		9.4R	13 54.278	-0.0012	18	-22 41 54.04	0.025	18	0.33	54.297	16	33.8	54.45	16	33.8	K0	M	14	8722	E -22 8783
20		8.4A	13 55.230	-0.0030	18	-21 43 49.27	0.001	13	0.30	55.279	16	33.8	49.29	16	33.8	M0	J	13A	4953	A -21 3277
21		9.1A	14 3.733	-0.0035	17	-20 27 39.06	-0.021	13	0.29	3.790	16	33.8	38.72	16	33.8	F5	J	13A	4954	A -19 3218
22		7.4T	14 5.701	-0.0019	13	-27 51 23.24	0.027	11	0.66	5.793	18	00.4	24.66	18	97.2	F5		GC	15509	C*-27 7968
23		9.4R	14 9.263	0.0011	12	-24 13 14.28	0.001	12	0.25	9.246	16	33.8	14.29	16	33.8	K5	M	14	8724	E -23 9844
24		9.3R	14 10.701	0.0005	20	-29 22 32.48	0.001	20	0.35	10.694	16	33.8	32.50	16	33.8	G5	M	13B	7441	J -28 8745
25		9.0R	14 13.839	-0.0044	17	-29 50 28.94	-0.032	17	0.31	13.910	16	33.8	28.43	16	33.8	F8	M	13B	7442	J -29 8968
26		9.3R	14 17.933	-0.0007	18	-27 15 25.23	-0.016	18	0.33	17.944	16	33.8	24.97	16	33.8	K0	M	14	8725	E -26 8461
27		8.6A	14 18.069	-0.0023	18	-21 36 24.90	-0.000	13	0.30	18.106	16	33.8	24.89	16	33.8	A5	J	13A	4955	A -21 3278
28		9.6R	14 20.671	0.0015	15	-24 46 50.11	0.013	15	0.29	20.646	16	33.8	50.33	16	33.8	G5	J	14	8726	E -24 9641
29		9.4R	14 23.838	0.0016	18	-25 48 41.64	-0.012	18	0.33	23.813	16	33.8	41.45	16	33.8	K0	M	14	8727	E -25 8563
30		8.8R	14 24.038	-0.0094	15	-28 6 4.86	-0.026	15	0.29	24.189	16	33.8	4.44	16	33.8	G5	M	13B	7444	J -27 7973
31		9.3R	14 24.544	0.0002	18	-24 15 27.91	-0.016	18	0.33	24.541	16	33.8	27.65	16	33.8	F8	J	14	8728	E -23 9846
32		7.5R	14 24.851	-0.0003	18	-26 57 58.29	-0.021	18	0.33	24.856	16	33.8	57.95	16	33.8	G5	J	14	8729	E -26 8462
33		9.0R	14 28.525	-0.0006	15	-27 14 45.94	-0.007	15	0.29	28.534	16	33.8	45.83	16	33.8	K2	M	14	8730	E -26 8464
34		9.4R	14 30.011	-0.0014	13	-29 11 58.21	0.006	13	0.27	30.033	16	33.8	58.30	16	33.8	A2	M	13B	7445	J -28 8751
35		8.4R	14 33.710	-0.0042	20	-28 17 17.26	0.008	20	0.35	33.778	16	33.8	17.39	16	33.8	K0	M	13B	7446	J -27 7977
36		9.1R	14 34.058	-0.0075	20	-27 57 49.51	0.072	20	0.35	34.180	16	33.8	50.67	16	33.8	G0	M	13B	7447	J -27 7976
37		8.9R	14 34.976	-0.0008	15	-23 17 47.57	0.017	15	0.29	34.989	16	33.8	47.85	16	33.8	F8	J	14	8731	E -22 8790
38		8.5R	14 35.386	-0.0011	12	-25 51 27.90	0.017	12	0.25	35.405	16	33.8	28.17	16	33.8	A3	J	14	8732	E -25 8568
39		8.8A	14 38.694	-0.0006	18	-20 37 10.71	-0.005	13	0.30	38.703	16	33.8	10.62	16	33.8	K0	J	13A	4956	A -20 3389
40		9.0R	14 39.608	0.0118	20	-27 32 21.33	-0.100	20	0.35	39.417	16	33.8	19.71	16	33.8	M0	M	13B	7448	J -27 7978
41		8.3R	14 54.621	0.0027	15	-24 6 20.90	-0.039	15	0.29	54.578	16	33.8	20.27	16	33.8	G5	J	14	8734	E -23 9850
42		8.2A	14 59.930	-0.0025	15	-20 29 34.78	-0.019	11	0.26	59.970	16	33.8	34.47	16	33.8	F0	J	13A	4958	A -19 3221
43		9.6R	15 5.478	-0.0026	20	-23 32 23.59	0.006	20	0.35	5.520	16	33.8	23.68	16	33.8	G0	M	14	8735	E -23 9852
44		9.0R	15 10.181	-0.0000	12	-25 55 4.98	-0.005	12	0.25	10.182	16	33.8	4.90	16	33.8	A0	J	14	8736	E -25 8573
45		9.5R	15 13.994	-0.0013	18	-23 34 4.45	-0.023	18	0.33	14.015	16	33.8	4.07	16	33.8	G5	M	14	8737	E -23 9856
46		7.2A	15 18.465	-0.0019	17	-21 52 19.23	-0.028	13	0.29	18.497	16	33.8	18.77	16	33.8	M3	J	13A	4959	A -21 3280
47		7.8R	15 19.867	-0.0075	18	-23 42 6.56	-0.023	18	0.33	19.989	16	33.8	6.18	16	33.8	G5	J	14	8738	E -23 9857
48		9.3R	15 20.721	0.0008	18	-23 35 6.69	-0.010	18	0.33	20.708	16	33.8	6.52	16	33.8	K0	M	14	8739	E -23 9858
49		8.4R	15 21.900	-0.0059	12	-29 7 54.28	0.023	12	0.25	21.995	16	33.8	54.65	16	33.8	F5	M	13B	7451	J -28 8761
50		8.2R	15 24.278	0.0013	20	-28 53 25.96	0.051	20	0.35	24.257	16	33.8	26.78	16	33.8	K0	M	13B	7452	J -28 8763
51		8.2A	11 15 26.669	-0.0030	17	-22 9 28.37	-0.007	13	0.29	26.718	16	33.8	28.25	16	33.8	A5	J	13A	4960	A -21 3282
52		9.5R	15 30.681	-0.0055	18	-26 45 46.58	0.004	18	0.33	30.770	16	33.8	46.65	16	33.8	G0	J	14	8740	E -26 8476
53		8.7A	15 31.324	0.0073	17	-20 22 33.16	0.000	13	0.29	31.207	16	33.8	33.17	16	33.8	K0	J	13A	4961	A -19 3224
54		9.4R	15 36.438	0.0018	15	-27 53 24.09	0.029	15	0.29	36.409	16	33.8	24.56	16	33.8	F2	M	13B	7454	J -27 7988
55		9.6R	15 38.736	0.0078	18	-24 44 37.08	-0.002	18	0.33	38.610	16	33.8	37.05	16	33.8	F8	J	14	8742	E -24 9659
56		8.9A	15 44.123	-0.0008	17	-20 25 12.80	-0.004	13	0.29	44.136	16	33.8	12.74	16	33.8	A3	J	13A	4962	A -19 3226
57		8.1R	15 46.980	0.0005	12	-28 9 40.98	0.016	12	0.25	46.971	16	33.8	41.24	16	33.8	K2	J	13B	7457	J -27 7990
58		8.4R	16 3.487	-0.0041	12	-26 19 20.58	0.028	12	0.25	3.553	16	33.8	21.03	16	33.8	F8	J	14	8745	E -25 8581
59		9.3R	16 5.574	-0.0031	17	-29 5 57.48	0.042	17	0.31	5.625	16	33.8	58.15	16	33.8	K0	M	13B	7460	J -28 8765
60		6.7T	16 8.500	-0.0003	12	-24 4 11.39	0.004	11	0.63	8.516	17	97.5	11.59	17	96.8	K0		GC	15554	C*-23 9863
61		9.2A	16 11.313	-0.0025	17	-21 52 10.32	-0.018	13	0.29	11.354	16	33.8	10.02	16	33.8	M0	J	13A	4963	A -21 3283
62		8.8R	16 26.794	-0.0051	15	-22 50 33.87	-0.022	15	0.29	26.876	16	33.8	33.52	16	33.8	G0	J	14	8748	E -22 8807
63		8.5R	16 32.980	-0.0044	18	-24 57 9.87	-0.009	18	0.33	33.051	16	33.8	9.73	16	33.8	F0	J	14	8749	E -24 9664
64		8.7R	16 36.423	0.0000	18	-23 38 13.54	-0.004	18	0.33	36.423	16	33.8	13.47	16	33.8	K5	J	14	8750	E -23 9866
65		8.7A	16 37.717	-0.0025	17	-20 25 52.36	-0.020	13	0.29	37.757	16	33.8	52.04	16	33.8	F0	J	13A	4965	A -19 3229
66		8.6R	16 38.296	-0.0023	12	-26 37 25.51	0.008	12	0.25	38.333	16	33.8	25.64	16	33.8	K0	J	14	8751	E -26 8483
67		7.8A	16 57.462	-0.0034	18	-21 9 32.87	-0.008	13	0.30	57.517	16	33.8	32.73	16	33.8	K5	J	13A	4968	A -20 3398
68		7.5T	16 59.183	-0.0017	12	-28 12 6.38	-0.031	09	0.60	59.267	18	98.9	4.74	15	97.2	K0		GC	15571	C -27 8004
69		9.2R	17 9.384	-0.0002	15	-24 29 57.39	0.017	18	0.31	9.387	16	33.8	57.66	16	33.8	K5	J	14	8752	E -24 9674
70		8.4A	17 11.371	-0.0024	15	-21 57 5.19	-0.030	11	0.26	11.410	16	33.8	4.70	16	33.8	K0	J	13A	4969	A -21 3285
71		8.6R	17 15.577	-0.0035	20	-29 14 23.36	-0.040	20	0.35	15.634	16	33.8	22.70	16	33.8	G0	M	13B	7467	J -28 8785
72		9.3R	17 15.957	0.0011	17	-28 40 13.88	-0.007	00	0.25	15.939	16	33.8	13.76	16	33.8	K0	M	13B	7468	J*-28 8784
73		8.8A	17 16.564	-0.0022	17	-21 37 38.71	-0.013	13	0.29	16.600	16	33.8	38.49	16	33.8	K0	J	13A	4970	A -21 3287
74		8.2A	17 17.463	-0.0022	18	-20 42 28.74	-0.068	13	0.30	17.499	16	33.8	27.63	16	33.8	F5	J	13A	4971	A -20 3399
75		8.7R	17 18.784	-0.0040	15	-27 30 6.16	-0.059	15	0.29	18.848	16	33.8	5.20	16	33.8	A5	J	13B	7469	J -27 8006
76		7.0T	17 20.431	-0.0038	13	-27 54 50.84	-0.032	11	0.66	20.620	18	99.6	49.12	18	96.7	K0		GC	15578	C -27 8009
77		8.3R	17 21.448	-0.0026	12	-28 20 32.54	0.011	12	0.25	21.491	16	33.8	32.72	16	33.8	F2	M	13B	7471	J -27 8011
78		8.8A	17 33.553	-0.0022	17	-21 51 6.24	-0.011	13	0.29	33.588	16	33.8	6.05	16	33.8	K0	J	13A	4972	A -21 3289
79		9.0R	17 35.837	-0.0012	20	-29 25 43.02	-0.001	20	0.35	35.857	16	33.8	42.99	16	33.8	K0	M	13B	7473	J -29 9010
80		8.9A	17 46.889	0.0007	13	-20 30 0.41	-0.017	09	0.24	46.877	16	33.8	0.13	16	33.8	F8	J	13A	4974	A -19 3236
81		9.1R	17 50.242	-0.0013	20	-29 42 45.08	0.044	20	0.35	50.263	16	33.8	45.80	16	33.8	F5	M	13B	7475	J -29 9013
82		8.0R	17 50.483	0.0021	18	-23 27 4.24	-0.017	18	0.33	50.449	16	33.8	3.97	16	33.8	K2	J	14	8753	E -23 9879
83		6.7T	17 52.395	-0.0190	11	-28 3 30.04	0.007	10	0.57	53.345	15	99.9	30.40	15	96.9	K0		GC	15587	C -27 8013
84		8.2R	17 59.405	-0.0033	12	-25 52 56.07	-0.070	12	0.25	59.352	16	33.8	54.94	16	33.8	G0	J	14	8754	E -25 8604
85		9.3R	18 3.461	-0.0024	20	-29 47 58.17	-0.005	20	0.35	3.499	16	33.8	58.10	16	33.8	A0	M	13B	7478	J -29 9015
86		9.4R	18 4.039	-0.0023	20	-27 26 25.55	0.007	20	0.35	4.075	16	33.8	25.66	16	33.8	F8	M	13B	7477	J -27 8018
87		9.4R	18 7.445	-0.0016	15	-23 4 50.80	0.023	15	0.29	7.471	16	33.8	51.17	16	33.8	F8	J	14	8755	E -22 8826
88		8.5R	18 11.969	-0.0008	18	-27 19 22.08	-0.050	18	0.33	11.981	16	33.8	21.27	16	33.8	A2	J	13B	7480	J -26 8497
89		9.3R	18 12.741	-0.0022	20	-28 11 57.04	0.014	20	0.35	12.776	16	33.8	57.27	16	33.8	G5	M	13B	7482	J -27 8020
90		9.4R	18 15.496	-0.0041	18	-28 17 31.64	0.002	18	0.33	15.562	16	33.8	31.67	16	33.8	F0	M	13B	7483	J -27 8021
91		8.7R	18 18.143	-0.0020	15	-24 59 8.51	-0.037	15	0.29	18.176	16	33.8	7.92	16	33.8	G0	J	14	8756	E -24 9688
92		9.4R	18 22.176	-0.0017	18	-23 51 53.61	0.015	18	0.33	22.203	16	33.8	53.85	16	33.8	K2	M	14	8757	E -23 9885
93		8.1T	18 23.885	-0.0112	20	-22 56 26.63	-0.183	15	0.83	24.390	19	04.8	17.88	18	02.1	G0		GC	15598	-22 3121
94		8.7R	18 26.487	-0.0077	20	-29 59 25.55	-0.026	20	0.35	26.611	16	33.8	25.13	16	33.8	K0	M	13B	7485	J -29 9020
95		8.4R	18 39.591	-0.0004	20	-28 27 54.25	-0.017	20	0.35	39.598	16	33.8	53.98	16	33.8	F0	J	13B	7488	J -28 8800
96		8.8R	18 44.073	-0.0004	17	-29 39 56.67	0.032	17	0.31	44.079	16	33.8	57.18	16	33.8	G5	J	13B	7489	J -29 9028
97		9.0R	18 47.361	0.0002	12	-27 40 31.02	0.020	12	0.25	47.358	16	33.8	31.35	16	33.8	G5	J	13B	7490	J -27 8026
98		8.5R	18 48.269	-0.0019	12	-27 29 52.09	0.038	12	0.25	48.299	16	33.8	52.71	16	33.8	A2	J	13B	7491	J -27 8027
99		8.6R	18 49.744	-0.0007	17	-29 42 25.83	-0.024	17	0.31	49.755	16	33.8	25.45	16	33.8	K0	J	13B	7492	J -29 9030
00		8.7R	18 52.726	-0.0002	18	-24 47 18.19	-0.017	18	0.33	52.729	16	33.8	17.91	16	33.8	K0	J	14	8761	E -24 9694

179800

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	EPOCH 1950 μ s	EPOCH 1950 σ_μ ″.001	EPOCH 1950 δ_{1950} ° ′ ″	EPOCH 1950 μ' ″	EPOCH 1950 σ'_μ ″.001	EPOCH 1950 σ_{1950} ″	ORIGINAL EPOCH α_2 s	ORIGINAL EPOCH σ ″.01	ORIGINAL EPOCH ep.	ORIGINAL EPOCH δ_2 ″	ORIGINAL EPOCH σ' ″.01	ORIGINAL EPOCH ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	-20° 11H DM NUMBER
1		8.1A	11 18 56.573	0.0133	15	-20 10 41.13	-0.139	11	0.28	56.350	18	33.2	38.80	16	33.2	K5 J	12B	4980K	A -19 3242
2		8.6T	18 56.935	-0.0054	13	-29 19 12.90	0.001	12	0.69	57.210	21	99.4	12.94	18	95.6	F8	GC	15606	C -28 8802
3		7.9R	18 58.014	-0.0028	18	-23 43 12.90	-0.010	18	0.33	58.060	16	33.8	12.73	16	33.8	K0 J	14	8762	E -23 9894
4		9.4R	19 3.288	-0.0122	15	-24 30 18.63	-0.023	15	0.29	3.485	16	33.8	18.26	16	33.8	G5 J	14	8763	E -24 9698
5		9.1R	19 7.727	-0.0014	17	-28 27 33.64	0.013	17	0.31	7.749	16	33.8	33.85	16	33.8	K0 M	138	7495	J -28 8804
6		9.6R	19 10.793	0.0018	18	-25 19 2.59	-0.034	15	0.31	10.764	16	33.8	2.03	16	33.8	F8 J	14	8764	E -24 9699
7		7.3T	19 16.853	-0.0032	18	-21 49 52.37	-0.019	20	0.86	16.995	19	05.8	51.52	19	05.8	B9	GC	15611	-21 3292
8		8.0R	19 21.023	0.0032	18	-23 54 54.62	-0.053	18	0.33	20.972	16	33.8	53.76	16	33.8	G5 J	14	8765	E -23 9898
9		9.2R	19 21.361	0.0010	18	-23 9 19.06	0.018	18	0.33	21.345	16	33.8	19.36	16	33.8	K2 J	14	8766	E -22 8840
10		9.4R	19 22.368	-0.0031	18	-24 43 14.62	-0.002	18	0.33	22.417	16	33.8	14.58	16	33.8	M6 M	14	8767	E -24 9703
11		9.3R	19 28.346	-0.0020	18	-23 55 36.89	0.037	18	0.33	28.379	16	33.8	37.48	16	33.8	A2 J	14	8769	E -23 9900
12		9.2R	19 28.460	0.0031	15	-24 27 4.63	-0.080	15	0.29	28.410	16	33.8	3.33	16	33.8	G0 J	14	8768	E -24 9705
13		8.6R	19 32.767	-0.0021	18	-22 31 49.86	0.022	18	0.33	32.801	16	33.8	50.22	16	33.8	K5 J	14	8770	E -22 8846
14		9.2R	19 35.321	0.0018	18	-22 37 31.46	-0.046	18	0.33	35.291	16	33.8	30.72	16	33.8	K0 M	14	8771	E -22 8847
15		8.6R	19 37.073	-0.0061	15	-24 30 10.57	-0.031	15	0.29	37.171	16	33.8	10.06	16	33.8	K2 J	14	8772K	E -24 9706
16		7.8R	19 47.771	0.0007	18	-24 55 15.24	0.016	18	0.33	47.760	16	33.8	15.50	16	33.8	K0 J	14	8773	E -24 9710
17		8.4R	19 48.388	-0.0004	12	-26 23 10.97	-0.011	12	0.25	48.395	16	33.8	10.79	16	33.8	A3 J	14	8774	E -25 8629
18		8.5R	19 50.123	0.0039	18	-22 37 12.89	-0.023	18	0.33	50.060	16	33.8	12.52	16	33.8	K0 J	14	8775	E -22 8852
19		8.7R	19 55.382	-0.0020	12	-26 58 2.18	0.013	12	0.25	55.414	16	33.8	2.39	16	33.8	F2 J	14	8776	E -26 8510
20		8.2R	20 6.519	0.0013	18	-23 27 20.91	0.011	18	0.33	6.497	16	33.8	21.09	16	33.8	A0 J	14	8777	E -23 9907
21		8.6R	20 7.905	0.0008	15	-27 58 23.48	-0.009	15	0.29	7.893	16	33.8	23.34	16	33.8	K5 J	13B	7502	J -27 8045
22		9.2A	20 14.769	-0.0027	17	-21 48 52.56	-0.019	13	0.29	14.812	16	33.8	52.25	16	33.8	F5 J	13A	4988	A -21 3296
23		9.3R	20 23.331	0.0015	18	-23 38 39.53	0.009	18	0.33	23.307	16	33.8	39.67	16	33.8	K0 J	14	8778	E -23 9912
24		9.3R	20 25.325	0.0018	18	-22 33 38.00	0.014	18	0.33	25.295	16	33.8	38.23	16	33.8	K5 J	14	8779	E -22 8855
25		9.5R	20 26.858	0.0008	18	-23 16 3.36	-0.022	18	0.33	26.845	16	33.8	3.01	16	33.8	K M	14	8780	E -22 8856
26		7.6T	20 27.542	-0.0052	09	-20 21 5.00	-0.014	08	0.48	27.802	19	99.5	4.26	18	96.9	A2	GC	15632	-19 3250
27		9.3R	20 30.126	-0.0038	12	-25 31 21.25	0.051	12	0.25	30.190	16	33.8	22.08	16	33.8	K0 J	14	8781	E -25 8636
28		7.4T	20 37.638	0.0016	11	-28 37 19.73	0.014	12	0.64	37.555	17	96.7	20.46	15	96.3	A0	GC	15636	C -28 8825
29		9.4R	20 41.797	0.0006	12	-25 17 10.56	-0.019	12	0.25	41.787	16	33.8	10.24	16	33.8	F8 M	14	8782	E -24 9714
30		9.1R	20 46.364	0.0075	15	-26 2 9.53	-0.064	15	0.29	46.244	16	33.8	8.49	16	33.8	G5 J	14	8783	E -25 8638
31		7.3R	20 49.641	-0.0027	18	-23 25 56.04	0.021	18	0.33	49.684	16	33.8	56.38	16	33.8	K0 J	14	8784	E -23 9918
32		8.3R	20 50.457	-0.0010	18	-25 17 51.97	-0.033	18	0.33	50.473	16	33.8	51.43	16	33.8	K0 J	14	8785	E -24 9716
33		9.6R	20 57.730	0.0069	15	-24 49 10.31	-0.014	15	0.29	57.619	16	33.8	10.08	16	33.8	F5 M	14	8786	E -24 9718
34		8.9R	21 1.365	0.0016	18	-23 17 26.11	0.015	18	0.33	1.338	16	33.8	26.36	16	33.8	K2 J	14	8787	E -22 8861
35		8.8R	21 9.434	-0.0005	12	-28 10 41.45	-0.014	12	0.25	9.442	16	33.8	41.23	16	33.8	K5 J	13B	7509	J -27 8058
36		9.6R	21 14.921	-0.0090	20	-24 50 3.66	0.076	20	0.35	15.066	16	33.8	4.90	16	33.8	G5 M	14	8788	E -24 9719
37		8.0A	21 21.955	-0.0002	18	-20 59 20.75	-0.067	13	0.30	21.957	16	33.8	19.66	16	33.8	G0 J	13A	4994	A -20 3409
38		9.4R	21 24.438	0.0016	20	-23 2 36.35	-0.015	20	0.35	24.411	16	33.8	36.11	16	33.8	F8 J	14	8789	E -22 8867
39		7.5T	21 24.942	-0.0049	12	-26 41 1.32	0.025	10	0.59	25.196	18	98.0	2.62	15	97.8	K0	GC	15655	C*-26 8525
40		9.3R	21 25.759	-0.0003	20	-29 50 42.03	-0.007	20	0.35	25.764	16	33.8	41.91	16	33.8	K0 M	13B	7514	J -29 9063
41		9.4R	21 35.083	-0.0013	18	-22 56 41.95	0.017	18	0.33	35.104	16	33.8	42.23	16	33.8	G0 J	14	8791	E -22 8869
42		9.0A	21 36.972	-0.0023	15	-20 31 2.74	0.025	12	0.27	37.009	16	33.8	3.14	16	33.8	G5 J	13A	4996	A -20 3411
43		9.2R	21 42.168	0.0029	18	-22 49 51.04	-0.003	18	0.33	42.120	16	33.8	51.00	16	33.8	G0 J	14	8792	E -22 8871
44		9.1R	21 52.176	-0.0013	18	-22 33 1.12	0.028	18	0.33	52.197	16	33.8	1.58	16	33.8	G5 J	14	8793	E -22 8874
45		7.8A	21 54.928	-0.0012	18	-21 48 45.47	0.008	13	0.30	54.948	16	33.8	45.59	16	33.8	K2 J	13A	4999	A -21 3300
46		8.6R	21 55.079	-0.0021	12	-26 44 42.61	0.015	12	0.25	55.113	16	33.8	42.86	16	33.8	M0 M	14	8795	E -26 8531
47		9.5R	21 55.431	0.0043	18	-24 32 5.49	0.011	18	0.33	55.360	16	33.8	5.66	16	33.8	K0 M	14	8794	E -24 9727
48		8.8R	22 2.654	-0.0015	20	-29 29 3.11	-0.020	20	0.35	2.679	16	33.8	2.79	16	33.8	K0 J	13B	7517	J -29 9073
49		9.2A	22 4.213	-0.0021	17	-20 23 55.28	0.009	13	0.29	4.248	16	33.8	55.43	16	33.8	F5 J	13A	5000	A -19 3258
50		9.1R	22 10.425	-0.0040	15	-27 5 32.25	0.007	15	0.29	10.489	16	33.8	32.36	16	33.8	G0 J	14	8796	E -26 8535
51		8.7R	11 22 10.820	-0.0014	20	-29 56 56.83	-0.066	20	0.35	10.843	16	33.8	55.77	16	33.8	F5 J	13B	7518	J -29 9077
52		7.5R	22 11.131	-0.0019	20	-28 54 19.17	0.050	20	0.35	11.162	16	33.8	19.97	16	33.8	M0 M	13B	7519	J -28 8843
53		8.2R	22 12.527	-0.0033	18	-24 12 37.41	-0.026	18	0.33	12.580	16	33.8	36.99	16	33.8	K0 J	14	8797	E -23 9936
54		7.1R	22 18.208	-0.0005	18	-22 33 28.79	-0.002	18	0.33	18.215	16	33.8	28.76	16	33.8	A3 J	14	8798	E -22 8877
55		9.0A	22 20.673	-0.0032	17	-20 48 44.52	-0.021	13	0.29	20.724	16	33.8	44.17	16	33.8	F2 J	13A	5004	A -20 3414
56		9.5R	22 24.325	0.0002	18	-24 2 14.39	-0.002	18	0.33	24.321	16	33.8	14.35	16	33.8	F8 J	14	8799	E -23 9939
57		9.0R	22 34.872	-0.0011	15	-25 56 20.61	0.001	15	0.29	34.890	16	33.8	20.63	16	33.8	A3 J	14	8800	E -25 8650
58		8.5R	22 38.701	0.0024	17	-28 23 29.91	0.039	17	0.31	38.662	16	33.8	30.54	16	33.8	A3 J	13B	7524	J -27 8075
59		9.5R	22 40.215	-0.0032	18	-23 21 44.15	-0.035	18	0.33	40.267	16	33.8	43.59	16	33.8	K0 J	14	8801	E -22 8883
60		9.4R	22 44.721	0.0005	18	-24 44 35.68	-0.015	18	0.33	44.712	16	33.8	35.44	16	33.8	K0 J	14	8802	E -24 9751
61		9.4R	22 45.845	-0.0002	15	-24 5 55.60	0.028	15	0.29	45.848	16	33.8	56.05	16	33.8	K0 J	14	8803	E -23 9949
62		9.4R	22 46.286	-0.0003	18	-23 22 12.79	0.000	18	0.33	46.291	16	33.8	12.80	16	33.8	F0 J	14	8804	E -22 8886
63		8.6R	22 48.149	0.0001	17	-26 35 43.51	0.072	17	0.31	48.146	16	33.8	44.68	16	33.8	A2 J	14	8805	E -26 8541
64		9.3R	22 51.215	-0.0014	18	-24 46 59.44	-0.032	18	0.33	51.237	16	33.8	58.93	16	33.8	K0 J	14	8806	E -24 9734
65		9.3R	22 54.548	0.0027	15	-24 31 58.02	-0.013	15	0.29	54.503	16	33.8	57.82	16	33.8	G0 J	14	8807	E -24 9735
66		9.4A	22 57.250	-0.0012	18	-22 31 50.11	0.025	13	0.30	57.269	16	33.8	50.52	16	33.8	K0 J	13A	5006	A -22 3139
67		9.3R	23 5.069	0.0022	15	-23 24 56.99	-0.011	15	0.29	5.033	16	33.8	57.17	16	33.8	K0 M	14	8808	E -23 9952
68		8.5R	23 6.683	-0.0033	18	-23 18 27.69	-0.011	18	0.33	6.736	16	33.8	27.51	16	33.8	K0 J	14	8809	E -22 8891
69		9.6R	23 7.356	-0.0029	15	-22 54 0.35	0.011	15	0.29	7.402	16	33.8	0.53	16	33.8	K M	14	8810	E -22 8890
70		7.8R	23 13.674	-0.0055	20	-27 16 25.23	0.026	20	0.35	13.763	16	33.8	25.65	16	33.8	F0 J	14	8811	E -26 8545
71		8.3R	23 20.097	-0.0048	12	-25 45 14.41	0.003	12	0.25	20.175	16	33.8	14.46	16	33.8	K0 J	14	8812	E -25 8660
72		6.7T	23 32.019	-0.0078	17	-20 18 24.57	-0.043	15	0.81	32.399	24	01.0	22.49	18	01.4	A5	GC	15692	-19 3265
73		9.0R	23 32.996	-0.0051	20	-23 22 36.26	-0.063	20	0.35	33.079	16	33.8	21.33	16	33.8	K0 J	13B	7527	J -28 8858
74		8.5A	23 34.037	-0.0028	17	-21 43 31.32	-0.033	13	0.29	34.082	16	33.8	30.79	16	33.8	K0 J	13A	5010	A -21 3307
75		9.0R	23 34.653	-0.0015	18	-23 57 4.92	-0.000	18	0.33	34.677	16	33.8	4.92	16	33.8	F2 J	14	8813	E*-23 9959
76		8.2T	23 44.180	-0.0055	13	-22 24 29.13	0.018	09	0.60	44.442	22	02.6	30.08	21	96.6	A0	GC	15695	-21 3308
77		8.4A	23 45.464	-0.0023	17	-21 7 31.30	-0.028	13	0.29	45.501	16	33.8	30.84	16	33.8	F0 J	13A	5013	A -20 3419
78		8.4R	23 46.448	-0.0052	20	-25 58 38.95	-0.080	20	0.35	46.531	16	33.8	37.66	16	33.8	G5 J	14	8814	E -25 8666
79		9.3R	23 47.935	0.0034	12	-23 27 58.83	-0.017	12	0.25	47.879	16	33.8	58.56	16	33.8	G5 J	14	8815	E -23 9963
80		9.1R	23 50.782	0.0027	20	-28 25 43.45	-0.034	20	0.35	50.738	16	33.8	42.90	16	33.8	F5 J	13B	7528	J -28 8860
81		9.6R	23 50.835	-0.0003	15	-23 31 9.25	0.017	15	0.29	50.839	16	33.8	9.52	16	33.8	K0 J	14	8816	E -23 9964
82		8.0R	23 51.776	0.0002	20	-25 28 48.21	-0.023	20	0.35	51.773	16	33.8	47.85	16	33.8	M3 M	14	8817	E -25 8667
83		9.2R	23 54.480	-0.0011	17	-25 40 5.82	0.013	17	0.31	54.499	16	33.8	6.03	16	33.8	F5 J	14	8818	E -25 8668
84		9.4R	23 56.107	-0.0018	15	-24 35 52.88	-0.016	15	0.29	56.136	16	33.8	52.62	16	33.8	K2 J	14	8819	E -24 9741
85		8.4R	23 57.776	-0.0053	17	-27 18 34.43	0.086	17	0.31	57.861	16	33.8	35.82	16	33.8	F5 J	13B	7530	J -26 8553
86		8.8R	23 59.135	-0.0011	18	-24 58 10.14	-0.009	18	0.33	59.152	16	33.8	10.00	16	33.8	K2 J	14	8820	E -24 9743
87		6.8T	24 4.282	-0.0033	10	-21 4 53.03	-0.009	08	0.36	4.417	09	09.8	52.65	09	10.1	A0	GC	15704	-20 3420
88		9.1R	24 7.645	0.0001	15	-27 59 4.10	0.032	15	0.29	7.643	16	33.8	4.62	16	33.8	K0 J	13B	7532	J -27 8090
89		8.9R	24 20.821	-0.0013	17	-28 32 27.28	-0.013	17	0.31	20.842	16	33.8	27.06	16	33.8	K5 J	13B	7533	J -28 8862
90		9.6R	24 23.123	-0.0017	15	-25 14 6.92	0.020	15	0.29	23.151	16	33.8	9.24	16	33.8	G5 M	14	8821	E -24 9748
91		9.4R	24 25.124	-0.0163	18	-25 10 12.89	-0.043	18	0.33	25.388	16	33.8	12.19	16	33.8	K0 J	14	8822	E -24 9749
92		8.3R	24 32.623	-0.0088	20	-29 39 33.19	-0.043	20	0.35	32.765	16	33.8	32.50	16	33.8	F2 J	13B	7534	J -29 9106
93		8.4A	24 35.493	-0.0033	17	-21 56 37.77	-0.017	13	0.29	35.547	16	33.8	37.49	16	33.8	K0 J	13A	5019	A -21 3310
94		9.0R	24 39.680	-0.0083	12	-29 18 10.51	-0.009	12	0.25	39.815	16	33.8	10.36	16	33.8	F8 J	13B	7535	J -28 8868
95		8.4A	24 46.544	-0.0024	17	-20 30 50.87	-0.018	13	0.29	46.582	16	33.8	50.57	16	33.8	K5 J	13A	5020	A -19 3270
96		9.1A	24 51.416	-0.0026	17	-20 47 19.62	-0.007	13	0.29	51.458	16	33.8	19.50	16	33.8	K5 J	13A	5021	A -20 3422
97		8.5R	24 51.555	-0.0021	18	-23 32 28.11	0.009	18	0.33	51.589	16	33.8	28.25	16	33.8	K0 J	14	8823	E -23 9979
98		7.5R	24 51.681	-0.0008	18	-23 53 40.13	-0.032	18	0.33	51.693	16	33.8	39.61	16	33.8	K5 J	14	8824	E -23 9978
99		9.5R	24 53.578	-0.0001	18	-24 21 14.08	0.027	18	0.33	53.580	16	33.8	14.51	16	33.8	K0 J	14	8825	E -23 9980
00		9.0A	24 54.096	-0.0022	17	-20 19 3.35	0.004	13	0.30	54.133	18	33.4	3.42	16	33.4	K2 J	12B	5022	A -19 3271

179900

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ s	σ_μ ".001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ".001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ ".01	ep.	δ_2 ″	σ' ".01	ep.	SP.	SOURCE CAT.	STAR NUMBER	-20° 11H DM NUMBER
1		7.3R	11 24 59.697	0.0008	18	-23 48 37.72	0.017	18	0.33	59.685	16	33.8	37.99	16	33.8	K0 J	14	8826	E -23 9981
2		8.2R	25 2.443	0.0001	17	-28 41 28.43	0.003	17	0.31	2.442	16	33.8	28.47	16	33.8	A2 J	13B	7536	J -28 8875
3		9.5R	25 7.098	-0.0040	15	-23 26 12.70	0.001	15	0.29	7.162	16	33.8	12.72	16	33.8	G5 J	14	8827	E -23 9984
4		6.8T	25 8.806	-0.0045	06	-25 35 8.28	0.036	06	0.30	9.002	10	06.6	9.87	10	06.0	K0	GC	15724	C+-25 8682
5		9.0A	25 13.083	-0.0011	18	-20 53 11.77	-0.031	13	0.30	13.100	16	33.8	11.26	16	33.8	K0 J	13A	5023	A -20 3425
6		8.3R	25 15.108	-0.0017	12	-23 14 45.78	-0.054	12	0.25	15.135	16	33.8	44.91	16	33.8	F2 J	14	8829	E -22 8913
7		8.6R	25 31.166	-0.0029	18	-22 59 49.42	-0.012	18	0.33	31.212	16	33.8	49.23	16	33.8	F2 J	14	8830	E -22 8917
8		9.7R	25 33.638	-0.0016	15	-22 28 34.99	-0.015	15	0.29	35.665	16	33.8	35.23	16	33.8	K0 J	14	8831	E -22 8918
9		9.5R	25 35.414	-0.0022	18	-26 6 40.93	-0.014	18	0.33	35.450	16	33.8	40.71	16	33.8	A2 J	13B	7545	J -27 8108
10		8.6R	25 37.216	0.0002	15	-25 59 10.50	-0.011	15	0.29	37.212	16	33.8	10.32	16	33.8	K0 J	14	8832	E -25 8684
11		9.3R	25 39.223	-0.0024	18	-26 47 41.77	-0.049	18	0.33	39.261	16	33.8	40.98	16	33.8	K0 J	14	8833	E -26 8971
12		9.1R	25 42.131	0.0025	18	-23 0 47.18	0.008	18	0.33	42.090	16	33.8	47.30	16	33.8	K0 J	14	8834	E -24 9756
13		8.8R	25 46.718	-0.0026	15	-25 28 20.33	0.025	15	0.29	46.759	16	33.8	20.73	16	33.8	M1 M	14	8835	E -25 8887
14		8.8R	25 51.398	-0.0018	15	-27 23 27.56	0.017	15	0.29	51.427	16	33.8	27.84	16	33.8	K0 J	13B	7547	J -26 8575
15		7.3R	25 53.642	-0.0016	18	-23 33 3.52	-0.060	18	0.33	53.667	16	33.8	2.55	16	33.8	K2 J	14	8836	E -23 9993
16		8.7R	25 54.358	0.0017	15	-24 36 6.53	0.002	15	0.29	54.330	16	33.8	6.57	16	33.8	K0 J	14	8837	E -24 9760
17		9.0R	25 58.998	-0.0026	17	-28 28 8.31	-0.076	17	0.31	59.040	16	33.8	7.08	16	33.8	G5 J	13B	7548	J -28 8881
18		9.2R	26 12.969	0.0006	12	-23 32 12.94	-0.006	12	0.25	12.959	16	33.8	12.84	16	33.8	K0 M	14	8839	E -2310001
19		8.1R	26 15.724	-0.0009	15	-26 5 1.99	-0.009	15	0.29	15.738	16	33.8	1.85	16	33.8	K2 J	14	8840	E -25 8694
20		8.4R	26 16.276	0.0011	20	-27 28 57.59	0.009	20	0.35	16.258	16	33.8	57.74	16	33.8	K2 J	13B	7551	J -27 8113
21		7.9A	26 19.137	-0.0009	17	-22 7 11.53	-0.027	13	0.29	19.151	16	33.8	11.10	16	33.8	K0 J	13A	5031	A -21 3316
22		9.1R	26 21.048	-0.0052	17	-25 2 13.00	0.045	17	0.31	21.132	16	33.8	13.72	16	33.8	G0 J	13B	7552	J -28 8888
23		9.5R	26 22.087	-0.0055	20	-29 11 49.25	-0.016	20	0.35	22.176	16	33.8	48.99	16	33.8	G5 J	13B	7553	J -28 8890
24		8.2R	26 23.860	-0.0001	15	-26 2 36.53	0.021	15	0.29	23.862	16	33.8	36.87	16	33.8	K5 J	14	8842	E -25 8696
25		9.1R	26 24.102	-0.0061	20	-26 33 15.96	0.014	20	0.35	24.201	16	33.8	16.18	16	33.8	K2 M	13B	7554	J -26 8809
26		8.0R	26 29.194	-0.0022	18	-24 29 28.52	-0.017	18	0.33	29.230	16	33.8	28.24	16	33.8	A0 J	14	8843	E -24 9769
27		8.6R	26 32.359	-0.0008	15	-26 21 24.49	-0.023	15	0.29	32.372	16	33.8	24.12	16	33.8	K2 J	14	8844	E -25 8698
28		8.8R	26 40.624	-0.0135	18	-24 18 5.60	-0.002	18	0.33	40.842	16	33.8	5.56	16	33.8	G5 J	14	8845	E -2310004
29		9.3R	26 48.441	-0.0076	20	-29 5 8.16	0.116	20	0.35	48.563	16	33.8	10.03	16	33.8	K0 J	13B	7558	J -28 8893
30		9.1R	26 50.773	-0.0047	15	-22 45 8.74	-0.064	15	0.29	50.848	16	33.8	7.71	16	33.8	G0 J	14	8846	E -22 8927
31		8.6R	26 53.888	-0.0031	17	-28 52 32.76	-0.012	17	0.31	53.939	16	33.8	32.56	16	33.8	F5 J	13B	7559	J -28 8894
32		8.3R	26 55.334	-0.0015	12	-26 5 12.50	0.006	12	0.25	55.359	16	33.8	12.60	16	33.8	F5 J	14	8848	E -25 8702
33		8.3R	26 58.440	-0.0029	12	-29 10 57.92	-0.034	12	0.25	58.486	16	33.8	57.36	16	33.8	F0 J	13B	7561	J -28 8895
34		6.8H	27 8.712	-0.0011	03	-27 45 17.44	-0.007	03	0.11	8.742	05	22.1	17.26	06	22.8	K0	F4	1298	C -27 8121
35		5.7T	27 9.145	-0.0037	11	-24 11 17.03	0.038	10	0.54	9.327	14	00.8	18.94	14	99.5	A0	GC	15768K	C+-2310009
36		8.9T	27 9.302	-0.0137	22	-24 11 20.73	-0.054	22	1.06	9.938	19	03.6	18.23	21	03.8		GC	15769	C -2310009
37		8.0A	27 13.600	-0.0013	17	-21 3 57.71	-0.039	13	0.29	13.620	16	33.8	57.07	16	33.8	F5 J	13A	5034	A -20 3435
38		7.3T	27 15.877	-0.0003	16	-24 43 34.16	0.004	13	0.76	15.890	17	01.1	34.38	18	97.1	G0	GC	15771	C -24 9773
39		8.8R	27 20.365	-0.0019	18	-24 12 31.33	0.016	18	0.33	20.395	16	33.8	31.59	16	33.8	F2 J	14	8853	E -2310010
40		8.8R	27 33.187	0.0013	15	-25 16 40.28	0.026	15	0.29	33.167	16	33.8	40.69	16	33.8	K0 J	14	8854	E -24 9774
41		8.5R	27 33.787	-0.0028	12	-26 16 29.43	-0.006	12	0.25	33.833	16	33.8	29.34	16	33.8	K2 J	14	8855	E -25 8711
42		9.3R	27 45.779	0.0019	15	-23 12 21.69	-0.003	15	0.29	45.748	16	33.8	21.64	16	33.8	A0 J	14	8856	E -22 8932
43		6.7T	27 51.327	-0.0026	12	-25 31 21.40	0.008	10	0.63	51.464	18	97.3	21.85	18	94.1	K0	GC	15783	C -25 8714
44		9.3A	28 11.154	-0.0006	17	-20 23 33.38	-0.006	13	0.29	11.163	16	33.8	33.28	16	33.8	F5 J	13A	5038	A -19 3279
45		9.2A	28 13.469	-0.0027	18	-21 9 34.70	-0.035	13	0.30	13.512	16	33.8	34.13	16	33.8	F8 J	13A	5040	A -20 3440
46		8.8A	28 14.954	-0.0020	18	-21 16 43.62	-0.009	13	0.30	14.965	16	33.8	43.47	16	33.8	A5 J	13A	5041	A -20 3441
47		9.2R	28 16.389	0.0005	18	-25 26 36.86	0.014	18	0.33	16.380	16	33.8	37.08	16	33.8	K0 J	14	8858	E -25 8715
48		9.4R	28 23.892	-0.0067	17	-28 27 5.29	0.045	17	0.31	24.000	16	33.8	6.02	16	33.8	F0 M	13B	7567	J -28 8902
49		8.8R	28 23.995	-0.0048	15	-22 30 28.85	0.062	15	0.29	24.072	16	33.8	27.85	16	33.8	G0 J	14	8859	E -22 8940
50		8.3R	28 31.534	0.0002	12	-25 37 25.05	0.025	12	0.25	31.531	16	33.8	25.46	16	33.8	K0 J	14	8860	E -25 8722
51		8.5R	11 28 33.109	-0.0052	12	-29 59 16.56	0.067	12	0.25	33.193	16	33.8	17.65	16	33.8	K0 J	13B	7569	J -29 9152
52		9.2R	28 33.663	-0.0006	15	-23 30 6.59	-0.002	15	0.29	33.672	16	33.8	6.55	16	33.8	F5 J	14	8861	E -2310018
53		8.0R	28 34.630	0.0006	12	-28 31 9.54	0.052	12	0.25	34.621	16	33.8	10.38	16	33.8	K0 J	13B	7570	J -28 8915
54		9.4R	28 41.467	-0.0013	15	-23 19 21.71	0.006	15	0.29	41.487	16	33.8	21.81	16	33.8	A0 J	14	8862	E -22 8942
55		8.6A	28 45.105	-0.0045	17	-20 51 7.51	-0.005	13	0.29	45.177	16	33.8	7.42	16	33.8	F5 J	13A	5046	A -20 3444
56		9.4R	28 51.797	0.0041	20	-24 28 45.90	0.077	20	0.35	51.730	16	33.8	47.14	16	33.8	F0 J	14	8863	E -24 9782
57		8.5R	28 55.296	-0.0031	18	-24 1 13.62	-0.011	18	0.33	55.346	16	33.8	13.44	16	33.8	A5 J	14	8864	E -2310021
58		8.9R	28 56.193	-0.0020	18	-24 56 44.91	0.024	18	0.33	58.225	16	33.8	45.30	16	33.8	F0 J	14	8865	E -24 9784
59		8.3A	28 58.385	-0.0027	17	-20 42 8.07	-0.040	13	0.29	58.429	16	33.8	7.42	16	33.8	G5 J	13A	5047	A -20 3445
60		9.2R	29 5.390	0.0015	15	-22 31 29.74	-0.034	15	0.29	5.366	16	33.8	29.19	16	33.8	K0 J	14	8866	E -22 8943
61		9.2R	29 5.403	-0.0011	17	-29 21 26.48	-0.014	17	0.31	5.421	16	33.8	26.25	16	33.8	F5 J	13B	7572	J -28 8921
62		9.4R	29 7.013	0.0026	20	-22 43 26.60	0.009	20	0.35	6.970	16	33.8	26.75	16	33.8	F5 J	14	8867	E -22 8944
63		9.5R	29 12.142	-0.0016	20	-26 20 16.83	0.014	20	0.35	12.168	16	33.8	17.06	16	33.8	F8 M	14	8868	E -25 8726
64		6.3T	29 17.606	-0.0086	11	-20 30 2.47	0.040	11	0.57	18.022	21	01.9	4.42	19	00.7	F5	GC	15815	-19 3285
65		8.3R	29 18.776	0.0013	18	-24 15 46.58	0.007	18	0.33	18.755	16	33.8	46.69	16	33.8	K5 J	14	8869	E -2310025
66		9.0R	29 30.859	-0.0015	18	-26 27 35.66	-0.005	18	0.33	30.883	16	33.8	35.58	16	33.8	A5 J	14	8870	E -26 8614
67		5.9T	29 47.083	-0.0012	06	-28 59 20.98	0.134	05	0.34	47.155	14	92.1	28.92	12	90.6	G0	GC	15830K	C+-28 8926
68		5.8T	29 47.397	-0.0025	05	-28 59 12.71	0.141	04	0.25	47.509	10	02.1	20.21	10	96.7	G0	GC	15831K	C+-28 8926
69		6.5T	29 54.035	-0.0060	13	-26 28 14.70	0.028	11	0.68	54.355	18	96.8	16.22	17	95.9	M0	GC	15832	C -26 8620
70		8.6R	29 59.611	-0.0008	18	-23 6 32.98	-0.005	18	0.33	59.624	16	33.8	32.90	16	33.8	K0 J	14	8873	E -22 8956
71		8.5R	29 59.745	-0.0038	20	-29 15 18.41	0.016	20	0.35	59.806	16	33.8	18.67	16	33.8	K0 J	13B	7581	J -28 8930
72		7.6T	30 2.542	-0.0020	14	-28 51 56.72	-0.008	13	0.73	2.644	21	00.1	56.28	19	97.5	M0	GC	15836	C -28 8931
73		8.2R	30 10.539	0.0010	12	-28 19 53.70	-0.019	12	0.25	10.522	16	33.8	53.39	16	33.8	F0 J	13B	7583	J -27 8159
74		8.9R	30 11.003	0.0008	12	-27 28 11.26	-0.008	12	0.25	10.990	16	33.8	11.13	16	33.8	K0 J	13B	7584	J -27 8156
75		8.6R	30 12.497	-0.0017	15	-27 36 30.32	0.030	15	0.29	12.525	16	33.8	30.80	16	33.8	K5 J	13B	7585	J -27 8160
76		8.5R	30 19.561	0.0043	18	-23 38 27.48	-0.047	18	0.33	19.491	16	33.8	26.72	16	33.8	F8 J	14	8875	E -2310039
77		9.0R	30 21.529	0.0013	17	-28 27 45.90	0.018	17	0.31	21.507	16	33.8	46.19	16	33.8	K5 J	13B	7587	J -28 8933
78		8.7R	30 27.447	-0.0022	12	-27 20 47.76	0.017	12	0.25	27.482	16	33.8	48.03	16	33.8	F0 J	13B	7589	J -26 8625
79		7.4R	30 27.910	-0.0037	18	-23 10 3.24	0.006	16	0.33	27.970	16	33.8	3.34	16	33.8	A2 J	14	8876	E -22 8964
80		8.5R	30 31.265	-0.0015	18	-23 37 49.94	-0.029	18	0.33	31.289	16	33.8	49.47	16	33.8	K2 J	14	8877	E -2310042
81		8.3R	30 50.588	-0.0004	18	-22 51 39.25	-0.000	18	0.33	50.595	16	33.8	39.25	16	33.8	K2 J	14	8879	E -22 8967
82		9.4R	30 55.436	0.0017	15	-23 11 58.98	0.010	15	0.29	55.409	16	33.8	59.13	16	33.8	G5 J	14	8880	E -22 8968
83		9.0A	30 57.614	-0.0010	15	-20 13 43.30	-0.035	11	0.27	57.631	18	33.4	42.71	16	33.4	F8 J	12B	5058	A -19 3292
84		9.1T	31 1.838	-0.0024	16	-22 54 42.30	-0.012	11	0.67	1.945	24	05.2	41.70	22	01.5	K2	GC	15851	-22 3166
85		8.5R	31 3.720	-0.0036	18	-24 27 0.09	0.032	18	0.33	3.778	16	33.8	0.61	16	33.8	F8 J	14	8882	E -24 9806
86		9.0R	31 3.878	-0.0007	18	-25 32 16.20	0.007	18	0.33	3.890	16	33.8	16.31	16	33.8	K0 J	14	8883	E -25 8749
87		8.2R	31 7.060	-0.0019	15	-26 14 58.89	-0.026	15	0.29	7.091	16	33.8	58.47	16	33.8	F5 J	14	8884	E -25 8750
88		8.3A	31 13.082	-0.0064	18	-22 10 33.42	0.018	13	0.30	13.185	16	33.8	33.71	16	33.8	F0 J	13A	5060	A -21 3331
89		8.9A	31 14.159	-0.0026	17	-21 32 23.94	-0.028	13	0.29	14.200	16	33.8	23.49	16	33.8	G0 J	13A	5061	A -21 3332
90		8.0R	31 17.405	-0.0043	18	-23 10 35.01	-0.011	18	0.33	17.475	16	33.8	34.83	16	33.8	K0 J	14	8885	E -22 8975
91		9.1R	31 18.962	-0.0014	20	-29 5 3.77	-0.005	20	0.35	18.985	16	33.8	3.69	16	33.8	A5 J	13B	7598	J -28 8941
92		8.4R	31 21.042	-0.0042	12	-26 32 20.79	0.004	12	0.25	21.110	16	33.8	20.85	16	33.8	K2 J	14	8886	E -26 8633
93		9.4R	31 49.598	-0.0011	15	-24 17 27.19	0.008	15	0.29	49.616	16	33.8	27.32	16	33.8	K0 J	14	8887	E -2310057
94		9.5R	31 52.583	-0.0015	12	-25 48 29.07	-0.031	12	0.25	52.608	16	33.8	28.56	16	33.8	F5 J	14	8888	E -25 8755
95		8.5R	31 55.440	-0.0042	12	-27 53 53.86	0.020	12	0.25	55.508	16	33.8	54.18	16	33.8	K0 J	13B	7603	J -27 8177
96		8.7R	31 58.097	0.0004	15	-25 2 17.86	-0.023	15	0.29	58.091	16	33.8	17.48	16	33.8	K2 J	14	8889	E -24 9821
97		9.3R	31 58.584	-0.0010	18	-23 25 59.99	-0.009	18	0.33	58.601	16	33.8	59.84	16	33.8	A3 J	14	8890	E -2310060
98		7.8R	32 2.172	-0.0057	12	-28 0 41.39	-0.038	12	0.25	2.264	16	33.8	40.78	16	33.8	F5 J	13B	7607	J -27 8178
99		8.7R	32 4.845	-0.0092	15	-28 6 13.50	-0.022	15	0.29	5.015	16	33.8	13.14	16	33.8	G5 J	13B	7608	J -27 8179
00		8.6A	32 5.628	-0.0007	15	-20 1 22.67	-0.011	11	0.27	5.640	18	33.4	22.48	16	33.4	K0 J	12B	5064	A -19 3298

180000

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ s	σ_μ .001"	δ_{1950} ° ′ ″	μ' ″	σ'_μ .001"	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ .01"	ep.	δ_2 ″	σ' .01"	ep.	SP.		CAT.	STAR NUMBER	DM NUMBER
1		9.3R	11 32 14.884	-0.0063	20	-28 56 20.40	0.021	20	0.35	14.985	16	33.8	20.74	16	33.8	G5	M	13B	7609	J -28 8950
2		8.5R	32 17.352	0.0010	18	-23 19 27.72	0.001	18	0.33	17.336	16	33.8	27.74	16	33.8	M0	M	14	8892	E -22 8982
3		7.9R	32 19.637	-0.0009	12	-28 8 0.74	0.027	12	0.25	19.651	16	33.8	1.17	16	33.8	K0	J	13B	7610	J -27 8181
4		8.4R	32 22.255	-0.0004	18	-23 17 35.08	-0.011	18	0.33	22.262	16	33.8	34.90	16	33.8	F5	J	14	8893	E -22 8984
5		9.3R	32 32.322	0.0007	12	-25 18 3.15	0.013	12	0.25	32.310	16	33.8	3.35	16	33.8	A5	J	14	8894	E -24 9825
6		7.3T	32 32.501	-0.0080	15	-29 45 19.38	-0.015	13	0.72	32.896	17	00.7	18.67	17	01.2	K0		GC	15880	C -29 9194
7		7.9A	32 40.774	-0.0000	17	-20 16 51.95	-0.016	13	0.30	40.775	18	33.4	51.68	16	33.4	F5	J	12B	5067	A -19 3302
8		8.6R	32 49.861	-0.0012	18	-23 33 23.33	0.002	18	0.33	49.880	16	33.8	23.37	16	33.8	A3	J	14	8895	E -2310066
9		8.6R	32 53.567	-0.0059	15	-24 17 38.87	0.006	15	0.29	53.662	16	33.8	38.97	16	33.8	F8	J	14	8896	E -2310068
10		9.7R	32 54.518	-0.0019	18	-23 41 33.96	-0.020	18	0.33	54.549	16	33.8	33.64	16	33.8	K5	M	14	8897	E -2310067
11		8.9R	32 55.228	-0.0015	18	-23 14 47.52	-0.000	18	0.33	55.253	16	33.8	47.51	16	33.8	A0	J	14	8898	E -22 8988
12		9.1A	32 57.467	0.0004	18	-20 14 6.22	-0.012	13	0.31	57.461	18	33.4	6.02	16	33.4	K0	J	12B	5069	A -19 3304
13		8.8A	32 59.993	-0.0037	17	-21 23 7.05	-0.019	13	0.29	+ 0.052	16	33.8	6.75	16	33.8	K0	J	13A	5071	A -20 3456
14		9.1R	33 4.319	-0.0017	15	-24 29 19.66	-0.001	15	0.29	4.347	16	33.8	19.65	16	33.8	A3	J	14	8899	E -24 9832
15		9.0R	33 15.860	-0.0007	12	-25 42 46.01	0.028	12	0.25	15.870	16	33.8	46.47	16	33.8	G5	J	14	8900	E -25 8766
16		8.6R	33 18.709	-0.0071	12	-26 52 13.26	-0.030	12	0.25	18.823	16	33.8	12.77	16	33.8	F8	J	14	8901	E -26 8650
17		9.0R	33 19.572	-0.0019	12	-29 31 43.18	-0.079	12	0.25	19.603	16	33.8	41.91	16	33.8	F8	J	13B	7619	J -29 9205
18		9.2R	33 21.970	0.0027	12	-28 50 48.43	0.008	12	0.25	21.926	16	33.8	48.56	16	33.8	K0	J	13B	7620	J -28 8958
19		9.2R	33 35.174	-0.0025	15	-24 24 1.42	0.036	15	0.29	35.214	16	33.8	2.00	16	33.8	A2	J	14	8902	E -2310073
20		8.7A	33 36.186	-0.0014	17	-22 12 6.73	-0.020	13	0.29	36.208	16	33.8	6.41	16	33.8	F8	J	13A	5072	A -21 3339
21		9.4R	33 37.026	-0.0017	18	-24 12 42.40	-0.004	18	0.33	36.999	16	33.8	42.34	16	33.8	G5	M	14	8903	E -2310074
22		9.0R	33 39.483	-0.0005	12	-28 54 3.51	-0.008	12	0.25	39.491	16	33.8	3.38	16	33.8	K0	J	13B	7622	J -28 8963
23		9.2A	33 44.512	-0.0001	17	-20 22 43.54	-0.004	13	0.29	44.514	16	33.8	43.47	16	33.8	K2	J	13A	5073	A -19 3307
24		9.0R	33 45.332	-0.0018	18	-22 34 23.53	-0.014	18	0.33	45.362	16	33.8	23.29	16	33.8	G5	J	14	8904	E -22 8998
25		9.5R	33 46.063	-0.0016	18	-25 20 25.00	0.003	18	0.33	46.088	16	33.8	25.04	16	33.8	M0	M	14	8905	E -24 9843
26		8.6R	33 46.885	-0.0026	12	-25 28 25.63	-0.028	12	0.25	46.927	16	33.8	25.17	16	33.8	F8	J	14	8906	E -25 8770
27		8.3R	33 52.545	-0.0050	12	-26 28 54.60	0.004	12	0.25	52.626	16	33.8	54.67	16	33.8	K2	J	14	8907	E -26 8659
28		8.9R	33 54.134	-0.0033	12	-23 21 38.47	0.010	12	0.25	54.187	16	33.8	38.62	16	33.8	K0	J	14	8908	E -22 9002
29		8.8R	33 59.911	0.0005	15	-27 35 16.84	-0.000	15	0.29	59.903	16	33.8	16.84	16	33.8	F8	J	13B	7623	J -27 8196
30		9.2A	34 9.899	0.0017	17	-20 14 57.43	0.010	13	0.30	9.871	18	33.4	57.59	16	33.4	K5	J	12B	5075	A -19 3308
31		8.6R	34 10.436	-0.0033	12	-29 33 7.57	0.016	12	0.25	10.489	16	33.8	7.83	16	33.8	K0	J	13B	7626	J -29 9214
32		9.5R	34 12.498	0.0003	18	-24 40 58.08	-0.002	15	0.31	12.493	16	33.8	58.04	16	33.8	K2	M	14	8910	E -24 9845
33		7.1T	34 15.344	-0.0050	12	-24 9 43.40	-0.034	11	0.64	15.603	15	98.3	41.51	18	94.2	K2		GC	15926K	C -2310078
34		7.6A	34 24.721	0.0013	17	-20 41 24.51	-0.093	13	0.29	24.701	16	33.8	23.01	16	33.8	K0	J	13A	5078	A -20 3461
35		9.1R	34 28.414	-0.0014	12	-25 53 59.07	0.022	12	0.25	28.437	16	33.8	59.43	16	33.8	A3	J	14	8912	E -25 8772
36		6.7T	34 29.279	-0.0033	07	-22 40 19.42	0.040	06	0.33	29.429	12	04.2	21.36	10	01.3	K0		GC	15928	B*-22 3179
37		9.1R	34 29.292	-0.0043	12	-28 32 48.36	0.041	12	0.25	29.362	16	33.8	49.02	16	33.8	A5	J	13B	7630	J -28 8971
38		9.3R	34 33.418	-0.0075	18	-26 38 54.06	0.003	18	0.33	33.539	16	33.8	54.11	16	33.8	K0	J	14	8914	E -26 8663
39		9.3R	34 35.136	-0.0035	20	-26 2 1.37	0.028	20	0.35	35.193	16	33.8	1.83	16	33.8	F8	J	14	8915	E -25 8773
40		8.7R	34 45.273	-0.0016	20	-27 43 19.71	0.012	20	0.35	45.299	16	33.8	19.90	16	33.8	G5	J	13B	7631	J -27 8203
41		9.0R	34 46.777	0.0010	12	-28 45 53.79	-0.002	12	0.25	46.760	16	33.8	53.75	16	33.8	F2	J	13B	7632	J -28 8975
42		9.0R	34 49.877	-0.0018	12	-29 1 2.26	-0.024	12	0.25	49.906	16	33.8	1.87	16	33.8	K0	J	13B	7633	J -28 8976
43		8.9A	34 50.652	-0.0031	17	-21 11 12.29	-0.018	13	0.29	50.702	16	33.8	12.00	16	33.8	K0	J	13A	5080	A -20 3464
44		8.7R	34 54.801	-0.0062	12	-26 11 54.17	-0.020	12	0.25	54.901	16	33.8	53.84	16	33.8	G0	J	14	8917	E -25 8784
45		8.1R	34 55.408	0.0012	18	-22 56 55.41	0.020	18	0.33	55.389	16	33.8	55.72	16	33.8	K0	J	14	8916	E -22 9012
46		9.1R	34 58.198	0.0014	15	-28 23 24.03	-0.060	15	0.29	58.175	16	33.8	23.22	16	33.8	M0	M	13B	7634	J -27 8207
47		9.0R	35 9.941	-0.0010	15	-23 23 37.66	0.017	15	0.29	9.957	16	33.8	37.94	16	33.8	K5	J	14	8918	E -22 9014
48		9.0R	35 11.587	-0.0232	12	-28 34 26.39	0.002	12	0.25	11.961	16	33.8	26.42	16	33.8	G5	J	13B	7635	J -28 8980
49		7.6R	35 25.571	-0.0020	12	-27 58 46.67	0.009	12	0.25	25.603	16	33.8	46.81	16	33.8	M0	M	13B	7638	J -27 8213
50		9.3A	35 33.022	-0.0007	17	-21 43 7.85	-0.136	13	0.29	33.033	16	33.8	5.66	16	33.8	G0	J	13A	5082	A -21 3344
51		9.0R	11 35 33.328	-0.0009	15	-24 31 8.17	0.007	15	0.29	33.343	16	33.8	8.28	16	33.8	A5	J	14	8919	E -24 9855
52		8.6R	35 34.109	-0.0005	15	-27 3 20.50	-0.040	15	0.29	34.117	16	33.8	19.85	16	33.8	F2	J	14	8920	E -26 8675
53		8.9A	35 37.411	-0.0020	17	-20 26 6.45	0.033	13	0.29	37.444	16	33.8	6.98	16	33.8	G0	J	13A	5083	A -19 3312
54		7.6R	35 42.343	-0.0089	12	-28 0 47.88	-0.023	12	0.25	42.486	16	33.8	47.51	16	33.8	K0	J	13B	7640	J -27 8214
55		9.5R	35 46.912	-0.0013	20	-25 18 46.92	0.010	20	0.35	46.934	16	33.8	47.08	16	33.8	F2	J	14	8921	E -24 9859
56		9.0R	35 48.453	-0.0017	12	-25 20 29.98	0.021	12	0.25	48.481	16	33.8	30.31	16	33.8	A2	J	14	8922	E -24 9860
57		8.7R	35 52.313	-0.0046	12	-26 0 57.58	0.032	12	0.25	52.387	16	33.8	58.10	16	33.8	K0	J	14	8923	E -25 8791
58		9.5R	35 54.789	-0.0011	18	-23 24 2.13	0.006	18	0.33	54.772	16	33.8	2.23	16	33.8	K0	J	14	8924	E -22 9026
59		9.4A	35 59.784	-0.0012	18	-21 30 4.02	0.018	13	0.30	59.803	16	33.8	4.32	16	33.8	F8	J	13A	5086	A -20 3469
60		8.9R	36 7.731	-0.0002	12	-23 33 55.51	-0.015	12	0.25	7.733	16	33.8	55.27	16	33.8	G5	J	14	8925	E -2310092
61		8.9A	36 10.096	-0.0005	15	-20 13 15.60	-0.015	13	0.29	10.105	18	33.4	15.34	16	33.4	G5	J	12B	5088	A -19 3315
62		9.0R	36 17.615	-0.0002	18	-28 8 24.35	-0.017	18	0.33	17.618	16	33.8	24.08	16	33.8	K0	J	13B	7642	J -27 8217
63		9.0R	36 21.220	-0.0043	18	-28 24 11.13	-0.021	18	0.33	21.290	16	33.8	10.79	16	33.8	F8	J	13B	7643	J -27 8221
64		8.2A	36 23.021	-0.0051	17	-20 53 48.29	-0.022	13	0.29	23.103	16	33.8	47.94	16	33.8	A2	J	13A	5089	A -20 3471
65		6.4T	36 29.482	0.0011	08	-24 26 25.90	-0.240	08	0.39	29.432	12	04.2	14.27	14	01.5	G5		GC	15990	C -24 9867
66		8.5R	36 32.621	-0.0011	18	-24 1 42.59	-0.012	18	0.33	32.638	16	33.8	42.40	16	33.8	K2	J	14	8927	E -2310097
67		9.4R	36 36.426	0.0278	15	-27 24 54.55	-0.250	15	0.29	35.976	16	33.8	50.51	16	33.8	M0	M	13B	7645	J -26 8683
68		9.1R	36 42.512	-0.0058	15	-28 16 19.63	0.024	15	0.29	42.605	16	33.8	20.01	16	33.8	A3	J	13B	7647	J -27 8224
69		9.0R	36 45.222	0.0013	20	-29 3 13.40	-0.029	20	0.35	45.202	16	33.8	12.93	16	33.8	K5	J	13B	7649	J -28 9000
70		8.2R	36 47.997	-0.0029	18	-26 34 2.10	0.017	18	0.33	48.043	16	33.8	2.37	16	33.8	K2	J	14	8928	E -26 8685
71		7.7R	36 51.526	0.0008	12	-24 37 9.26	0.013	12	0.25	51.513	16	33.8	9.48	16	33.8	K0	J	14	8929	E -24 9870
72		9.0A	36 58.678	-0.0018	15	-22 19 8.55	0.015	11	0.26	58.706	16	33.8	8.80	16	33.8	K0	J	13A	5090	A -21 3349
73		9.2R	37 2.655	-0.0023	15	-22 43 2.69	0.012	15	0.29	2.693	16	33.8	2.88	16	33.8	G5	J	14	8930	E -22 9037
74		8.9R	37 4.842	0.0010	12	-28 52 54.93	-0.016	12	0.25	4.827	16	33.8	54.67	16	33.8	G5	J	13B	7653	J -28 9008
75		9.4R	37 6.818	-0.0027	15	-22 27 6.27	-0.008	15	0.29	6.862	16	33.8	6.15	16	33.8	K	M	14	8931	E -22 9039
76		9.2R	37 11.899	-0.0016	15	-23 53 3.04	-0.039	15	0.29	11.924	16	33.8	2.41	16	33.8	G0	J	14	8932	E -2310103
77		9.1A	37 21.894	-0.0020	17	-20 28 20.80	-0.235	13	0.29	21.926	16	33.8	17.00	16	33.8	K0	J	13A	5093	A -19 3318
78		8.3R	37 29.432	-0.0009	15	-26 21 47.13	-0.047	15	0.29	29.447	16	33.8	46.37	16	33.8	K0	J	14	8933	E -25 8808
79		9.0A	37 30.952	-0.0049	18	-21 25 17.24	0.033	13	0.30	31.031	16	33.8	17.78	16	33.8	G0	J	13A	5095	A -20 3478
80		9.3A	37 33.000	-0.0001	17	-20 27 7.88	-0.003	13	0.29	33.002	16	33.8	7.83	16	33.8	F5	J	13A	5096	A -19 3319
81		8.3R	37 38.497	0.0012	20	-29 3 35.98	-0.041	20	0.35	38.478	16	33.8	35.31	16	33.8	K2	J	13B	7659	J -28 9012
82		8.9A	37 44.823	-0.0047	17	-21 49 28.15	0.016	13	0.29	44.899	16	33.8	28.41	16	33.8	K2	J	13A	5097	A -21 3352
83		7.2T	37 46.445	-0.0006	13	-28 13 8.42	-0.011	13	0.70	46.474	18	98.7	7.85	19	98.5	M0		GC	16022	C -27 8237
84		9.5A	37 47.560	-0.0005	17	-20 14 22.52	-0.019	13	0.30	47.568	18	33.4	22.20	16	33.4	A5	J	12B	5098	A -19 3320
85		9.1R	37 51.892	-0.0012	17	-29 31 57.14	-0.051	17	0.31	51.910	16	33.8	56.32	16	33.8	K7	M	13B	7662	J -29 9263
86		8.8A	38 0.451	-0.0065	15	-22 3 24.70	-0.053	11	0.26	0.555	16	33.8	23.85	16	33.8	F2	J	13A	5101	A -21 3354
87		9.0R	38 7.957	-0.0033	20	-27 52 5.22	0.010	20	0.35	8.011	16	33.8	5.38	16	33.8	A2	J	13B	7663	J -27 8241
88		8.5R	38 8.653	0.0013	20	-29 51 40.22	-0.034	20	0.35	8.632	16	33.8	39.67	16	33.8	K0	J	13B	7664	J -29 9267
89		9.1R	38 11.179	0.0018	20	-28 36 17.31	0.018	20	0.35	11.150	16	33.8	17.60	16	33.8	A0	J	13B	7665	J -28 9020
90		9.1R	38 17.093	-0.0061	18	-22 46 27.67	0.012	18	0.33	17.192	16	33.8	27.86	16	33.8	F5	J	14	8934	E -22 9050
91		8.7R	38 19.066	-0.0010	15	-22 48 16.38	0.041	15	0.29	19.082	16	33.8	17.04	16	33.8	F5	J	14	8935	E -22 9051
92		9.2R	38 19.473	-0.0014	20	-25 47 16.62	0.021	20	0.35	19.496	16	33.8	16.96	16	33.8	F2	J	14	8936	E -25 8819
93		8.7R	38 21.884	0.0017	12	-26 32 49.06	-0.029	12	0.25	21.857	16	33.8	48.59	16	33.8	A0	J	14	8937	E -26 8699
94		9.0A	38 24.233	-0.0037	17	-20 55 52.90	-0.039	13	0.29	24.292	16	33.8	52.27	16	33.8	K2	J	13A	5104	A -20 3481
95		8.2R	38 30.556	0.0001	12	-25 57 41.04	-0.032	12	0.25	30.555	16	33.8	40.52	16	33.8	F5	J	14	8939	E -25 8821
96		8.9R	38 35.351	0.0014	20	-29 27 6.41	-0.011	20	0.35	35.328	16	33.8	6.23	16	33.8	K2	J	13B	7668	J -29 9273
97		8.7R	38 36.753	0.0032	20	-28 35 31.59	-0.068	20	0.35	36.701	16	33.8	30.49	16	33.8	F5	J	13B	7669	J -28 9026
98		6.5T	38 39.101	-0.0248	07	-28 55 18.96	0.210	07	0.31	40.136	10	08.3	28.04	12	06.7	G0		GC	16044	C*-28 9027
99		9.0R	38 41.520	-0.0022	18	-24 4 35.52	-0.022	18	0.33	41.556	16	33.8	35.16	16	33.8	K2	J	14	8940	E -2310118
00		9.1R	38 44.367	0.0001	12	-27 46 41.85	0.005	12	0.25	44.365	16	33.8	41.93	16	33.8	K0	J	13B	7673	J -27 8248

SOURCE

-20°
11H

180100

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	-20° 11H DM NUMBER
1		9.1R	11 38 49.244	0.0032	18	-23 48 5.71	-0.054	18	0.33	49.191	16	33.8	4.84	16	33.8	G5 J	14	8941	E -2310119
2		9.4R	38 51.419	-0.0016	18	-24 55 43.84	-0.022	18	0.33	51.446	16	33.8	43.48	16	33.8	G0 J	14	8942	E -24 9885
3		7.9R	38 52.401	-0.0157	12	-26 23 25.81	0.016	12	0.25	52.654	16	33.8	26.07	16	33.8	F8 J	14	8943	E -25 6823
4		8.6R	38 54.833	0.0006	15	-23 8 41.24	-0.003	15	0.29	54.825	16	33.8	41.19	16	33.8	F2 J	14	8944	E -22 9060
5		9.2R	38 57.468	0.0004	18	-24 29 41.43	-0.004	18	0.33	57.462	16	33.8	41.37	16	33.8	F8 J	14	8945	E -24 9887
6		9.5A	38 57.496	0.0003	17	-21 58 30.70	0.042	13	0.29	57.491	16	33.8	31.38	16	33.8	F5 J	13A	5106	A -21 3357
7		9.2A	38 59.032	-0.0034	17	-20 34 40.01	0.026	13	0.29	59.087	16	33.8	40.42	16	33.8	F2 J	13A	5107	A -20 3485
8		9.0R	39 7.374	-0.0043	18	-27 20 4.04	-0.001	18	0.33	7.444	16	33.8	4.02	16	33.8	K0 J	13B	7675	J -26 8758
9		9.3R	39 9.369	-0.0005	18	-22 28 50.50	-0.035	18	0.33	9.377	16	33.8	49.94	16	33.8	F8 J	14	8946	E -22 9063
10		9.1R	39 12.886	-0.0022	18	-22 25 48.25	0.005	18	0.33	12.921	16	33.8	48.34	16	33.8	K2 J	14	8947	E -22 9064
11		9.3R	39 15.058	0.0020	15	-25 18 29.45	-0.013	15	0.29	15.026	16	33.8	29.18	16	33.8	F5 M	14	8948	E -24 9893
12		9.5R	39 16.313	-0.0103	18	-22 49 33.17	-0.017	18	0.33	16.480	16	33.8	32.89	16	33.8	F8 J	14	8949	E -22 9065
13		8.2T	39 17.747	-0.0017	11	-22 22 30.94	0.007	09	0.53	17.836	17	98.6	31.33	15	96.1	M0	GC	16059	-21 3360
14		8.8R	39 18.844	0.0016	18	-22 58 15.77	0.014	18	0.33	18.819	16	33.6	15.99	16	33.8	K0 J	14	8950	E -22 9066
15		9.3R	39 24.729	-0.0063	18	-23 35 3.70	0.011	18	0.33	24.830	16	33.8	3.88	16	33.8	F5 J	14	8951	E -2310121
16		6.9T	39 26.724	-0.0017	09	-24 6 28.42	-0.019	06	0.45	26.821	17	93.4	27.29	15	90.2	F0	GC	16064	C -2310122
17		6.3T	39 31.856	-0.0013	06	-20 0 57.16	-0.053	05	0.26	31.906	12	10.4	54.82	12	06.1	K0	GC	16069	-19 3326
18		9.5R	39 40.552	-0.0001	15	-27 6 48.85	-0.040	15	0.29	40.552	16	33.8	48.20	16	33.8	F8 J	14	8953	E -26 8716
19		9.0A	39 45.737	-0.0014	15	-22 21 42.12	0.000	12	0.27	45.760	16	33.8	42.12	16	33.8	A2 J	13A	5112	A -21 3362
20		9.2A	39 47.592	-0.0018	15	-21 34 30.69	0.002	11	0.26	47.620	16	33.8	30.73	16	33.8	F2 J	13A	5113	A -21 3361
21		9.2R	39 48.435	0.0016	18	-23 6 45.64	0.005	18	0.33	48.409	16	33.8	45.71	16	33.8	G0 J	14	8954	E -22 9070
22		9.4R	39 50.764	-0.0028	18	-23 18 27.30	0.007	18	0.33	50.815	16	33.8	27.40	16	33.8	K0 J	14	8955	E -22 9072
23		9.5R	39 53.786	-0.0043	18	-23 43 22.73	0.004	18	0.33	53.854	16	33.8	22.80	16	33.8	K5 J	14	8956	E -2310125
24		9.5R	39 54.182	0.0004	15	-25 13 30.06	0.024	15	0.29	54.176	16	33.8	30.44	16	33.8	K2 M	14 .	8957	E -24 9900
25		8.9A	39 58.208	-0.0012	17	-22 15 20.47	-0.031	13	0.29	58.227	16	33.8	19.98	16	33.8	G0 J	13A	5114	A -21 3365
26		8.6R	40 3.303	-0.0023	12	-27 14 2.81	-0.005	12	0.25	3.340	16	33.8	2.73	16	33.8	F2 J	14	8958	E -26 8721
27		7.5R	40 4.419	0.0053	12	-29 21 40.45	-0.054	12	0.25	4.334	16	33.8	39.57	16	33.8	K0 J	13B	7678	J -28 9044
28		9.4R	40 11.911	-0.0019	18	-22 30 44.93	0.009	18	0.33	11.942	16	33.8	45.06	16	33.8	G5 M	14	8959	E -22 9075
29		8.6R	40 19.503	0.0019	12	-27 35 13.90	0.014	12	0.25	19.472	16	33.8	14.13	16	33.8	K5 J	13B	7679	J -27 8258
30		8.7R	40 26.459	0.0021	12	-29 45 16.67	-0.173	12	0.25	26.425	16	33.8	13.88	16	33.8	K0 J	13B	7680	J -29 9293
31		9.3A	40 29.840	0.0012	15	-21 30 43.10	-0.035	12	0.27	29.820	16	33.8	42.54	16	33.8	K0 J	13A	5115	A -20 3487
32		8.5A	40 46.941	-0.0092	17	-20 31 1.28	0.067	13	0.29	47.090	16	33.8	2.37	16	33.8	F8 J	13A	5116	A -19 3328
33		8.2R	40 49.834	-0.0000	15	-24 28 48.33	-0.013	15	0.29	49.834	16	33.8	48.12	16	33.8	K2 J	14	8961	E -24 9910
34		9.1A	40 50.204	-0.0004	17	-21 3 26.34	0.026	13	0.29	50.210	16	33.8	26.76	16	33.8	K2 J	13A	5117	A -20 3488
35		9.4R	40 51.817	0.0029	15	-25 16 34.26	-0.027	15	0.29	51.770	16	33.8	33.82	16	33.8	K0 M	14	8962	E -24 9911
36		8.6T	41 4.929	-0.0030	13	-23 56 18.18	-0.011	10	0.65	5.084	27	98.7	17.62	22	98.5	K0	GC	16089	C -2310134
37		8.6R	41 12.813	0.0002	18	-25 23 10.54	-0.001	18	0.33	12.810	16	33.8	10.52	16	33.8	F0 J	14	8965	E -24 9913
38		7.9A	41 15.642	-0.0080	17	-20 45 39.46	0.012	13	0.29	15.771	16	33.8	39.65	16	33.8	F0 J	13A	5119	A -20 3492
39		8.0R	41 16.343	0.0015	17	-29 24 6.66	-0.023	17	0.31	16.319	16	33.8	6.28	16	33.8	A3 J	13B	7687	J -28 9053
40		9.3R	41 24.639	-0.0008	18	-24 15 16.93	-0.031	18	0.33	24.651	16	33.8	16.43	16	33.8	K0 M	14	8966	E -2310135
41		6.8T	41 26.756	-0.0212	13	-29 28 13.60	0.044	12	0.66	27.835	15	99.0	15.88	10	97.7	G0	GC	16099	C -29 9302
42		9.5R	41 30.177	-0.0032	12	-23 55 30.35	-0.015	12	0.25	30.229	16	33.8	30.11	16	33.8	K0 M	14	8967	E -2310137
43		8.7A	41 32.010	0.0015	17	-22 15 56.40	-0.013	13	0.29	31.986	16	33.8	56.20	16	33.8	G5 J	13A	5120	A -21 3369
44		8.5R	41 32.191	-0.0045	12	-26 36 20.68	-0.010	12	0.25	32.264	16	33.8	20.51	16	33.8	A2 J	14	8968	E -26 8741
45		8.7R	41 36.853	-0.0117	12	-26 11 26.08	0.136	12	0.25	37.043	16	33.8	28.28	16	33.8	F8 J	14	8969	E -25 8836
46		8.7R	41 39.255	-0.0028	18	-22 44 31.53	-0.003	18	0.33	39.301	16	33.8	31.47	16	33.8	F0 J	14	8970	E -22 9090
47		9.3R	41 45.545	0.0008	18	-23 28 17.43	-0.003	18	0.33	45.533	16	33.8	17.38	16	33.8	K0 J	14	8971	E -2310143
48		8.6R	41 46.296	-0.0009	12	-27 9 2.53	0.025	12	0.25	46.310	16	33.8	2.93	16	33.8	K5 J	14	8972	E -26 8747
49		9.0R	41 46.907	-0.0019	12	-29 42 17.95	-0.039	12	0.25	46.938	16	33.8	17.32	16	33.8	K0 J	13B	7691	J -29 9307
50		8.9R	41 49.355	-0.0057	18	-22 51 45.89	0.053	18	0.33	49.447	16	33.8	46.75	16	33.8	G0 J	14	8973	E -22 9091
51		8.5R	11 41 50.590	0.0009	15	-27 45 1.60	0.005	15	0.29	50.576	16	33.8	1.68	16	33.8	M2 M	13B	7693	J -27 8278
52		6.8T	41 52.014	-0.0034	13	-20 25 4.31	0.003	11	0.61	52.169	19	04.1	4.44	18	00.4	A0	GC	16108	-19 3333
53		9.4R	42 3.434	0.0011	12	-23 44 20.30	0.013	12	0.25	3.416	16	33.8	20.51	16	33.8	K0 M	14	8974	E -2310147
54		8.9A	42 5.160	0.0007	17	-20 8 14.81	-0.003	13	0.30	5.148	16	33.4	14.75	16	33.4	K0 J	12B	5124	A -19 3335
55		8.0R	42 8.560	-0.0084	12	-29 36 28.40	0.030	12	0.25	8.696	16	33.8	28.89	16	33.8	K0 J	13B	7694	J -29 9311
56		8.4R	42 38.721	-0.0029	18	-24 11 44.89	-0.024	18	0.34	38.769	16	33.3	44.49	16	33.3	K0 J	14	8975	E -2310152
57		8.9R	42 47.595	-0.0037	12	-25 44 27.02	0.037	12	0.25	47.656	16	33.3	27.64	16	33.3	F8 J	14	8977	E -25 8843
58		9.2R	42 47.724	-0.0004	18	-24 6 15.50	-0.008	18	0.34	47.730	16	33.3	15.37	16	33.3	K0 J	14	8976	E -2310153
59		8.2R	42 51.356	-0.0017	18	-24 44 1.59	0.041	18	0.34	51.385	16	33.3	2.27	16	33.3	K0 J	14	8980	E -24 9929
60		9.1A	42 52.028	-0.0019	17	-21 19 57.75	-0.009	13	0.30	52.060	16	33.3	57.60	16	33.3	G0 J	13A	5127	A -20 3499
61		8.8R	42 53.300	0.0003	18	-22 44 11.02	-0.012	18	0.34	53.295	16	33.3	10.82	16	33.3	G0 J	14	8981	E -22 9105
62		8.5A	42 54.458	0.0007	18	-21 57 25.25	0.004	13	0.31	54.447	16	33.3	25.32	16	33.3	K2 J	13A	5130	A -21 3372
63		8.3R	42 54.728	0.0003	15	-28 5 39.74	-0.009	15	0.30	54.724	16	33.3	39.59	16	33.3	+++ J	13B	7696	J -27 8287
64		7.9A	42 56.159	-0.0006	18	-21 11 44.56	-0.035	15	0.32	56.169	16	33.3	43.98	16	33.3	F5 J	13A	5131	A -20 3500
65		8.5R	43 4.020	-0.0065	18	-22 42 39.71	-0.035	18	0.34	4.028	16	33.3	39.12	16	33.3	F8 J	14	8982	E -22 9107
66		8.8R	43 13.711	0.0014	15	-24 48 59.60	-0.026	15	0.30	13.689	16	33.3	59.18	16	33.3	K0 J	14	8983	E -24 9934
67		9.1R	43 29.028	-0.0003	12	-29 19 22.41	0.034	12	0.25	29.034	16	33.3	22.97	16	33.3	K0 J	13B	7704	J -28 9077
68		9.7R	43 34.115	-0.0060	20	-28 43 31.85	-0.122	20	0.36	34.215	16	33.3	29.81	16	33.3	G0 J	13B	7705	J -28 9078
69		7.7R	43 38.250	-0.0004	15	-24 35 42.24	-0.019	15	0.30	38.257	16	33.3	41.93	16	33.3	M3 M	14	8984	E -24 9940
70		8.6R	43 48.356	-0.0024	15	-26 47 8.97	0.013	15	0.30	48.395	16	33.3	9.18	16	33.3	G5 J	14	8985	E -26 8765
71		7.6T	43 50.053	-0.0043	12	-27 41 8.21	-0.000	11	0.63	50.270	18	99.1	8.20	18	96.1	F8	GC	16140	C -27 8294
72		9.5T	43 50.353	-0.0045	14	-24 27 17.51	-0.013	10	0.64	50.565	22	03.1	16.86	22	99.7	K0	GC	16141	C -24 9941
73		9.1R	43 53.978	-0.0040	20	-29 45 11.54	-0.026	20	0.36	54.045	16	33.3	11.12	16	33.3	G5 J	13B	7707	J -29 9326
74		7.7T	43 55.038	0.0147	12	-24 41 52.53	-0.029	14	0.69	54.298	17	99.7	51.08	18	00.8	G0	GC	16143	C -24 9943
75		8.7R	43 55.876	-0.0014	20	-29 0 0.80	0.027	20	0.36	55.900	16	33.3	1.24	16	33.3	K0 J	13B	7708	J -28 9081
76		7.4R	43 57.513	-0.0005	18	-24 12 23.67	0.001	18	0.34	57.522	16	33.3	23.68	16	33.3	M0 M	14	8988	E -2310162
77		7.8R	43 58.011	0.0006	18	-22 47 42.38	0.018	18	0.34	58.002	16	33.3	42.68	16	33.3	K0 J	14	8989	E -22 9114
78		8.6R	43 59.808	-0.0058	17	-28 29 31.84	0.037	12	0.29	59.905	16	33.3	32.45	16	33.3	G0 J	13B	7711	J -28 9082
79		9.6R	44 11.799	0.0005	18	-24 43 51.85	-0.090	18	0.34	11.791	16	33.3	50.36	16	33.3	G5 M	14	8990	E -24 9944
80		8.0A	44 17.297	-0.0083	15	-21 11 49.15	-0.004	11	0.27	17.436	16	33.3	49.08	16	33.3	F8 J	13A	5136	A -20 3504
81		8.5R	44 18.509	-0.0003	12	-29 4 36.95	-0.016	12	0.25	18.514	16	33.3	36.68	16	33.3	K0 J	13B	7714	J -28 9083
82		9.2R	44 21.442	-0.0037	18	-23 39 29.03	-0.031	18	0.34	21.503	16	33.3	28.52	16	33.3	G0 J	14	8991	E -2310164
83		9.3R	44 22.922	-0.0017	15	-26 47 11.12	0.005	15	0.30	22.950	16	33.3	11.20	16	33.3	K2 J	14	8993	E -26 8771
84		9.2R	44 29.620	0.0035	15	-26 8 34.35	-0.187	15	0.30	29.561	16	33.3	31.23	16	33.3	K0 J	14	8994	E -25 8858
85		9.1R	44 29.986	-0.0000	18	-27 45 11.27	-0.068	18	0.34	29.987	16	33.3	10.13	16	33.3	F8 J	13B	7715	J -27 8298
86		8.5R	44 34.037	-0.0036	12	-25 42 27.06	0.008	12	0.25	34.097	16	33.3	27.19	16	33.3	K5 J	14	8995	E -25 8860
87		8.8A	44 38.229	0.0003	18	-22 10 2.25	-0.034	13	0.31	38.224	16	33.3	1.69	16	33.3	K0 J	13A	5138	A -21 3379
88		9.5R	44 45.885	-0.0006	15	-23 1 22.64	0.029	15	0.30	45.895	16	33.3	23.12	16	33.3	F8 J	14	8997	E -22 9119
89		8.7R	44 47.329	-0.0001	15	-26 16 8.84	0.015	15	0.30	47.331	16	33.3	9.09	16	33.3	K5 J	14	8998	E -25 8865
90		8.2R	44 47.990	-0.0024	17	-29 12 51.10	-0.023	17	0.32	48.030	16	33.3	50.71	16	33.3	F8 J	13B	7719	J -28 9089
91		8.4R	44 50.648	0.0015	12	-22 45 49.54	-0.015	12	0.25	50.624	16	33.3	49.29	16	33.3	A2 J	14	9000	E -22 9120
92		9.1R	44 55.325	-0.0026	18	-24 33 11.86	0.030	18	0.34	55.368	16	33.3	12.37	16	33.3	K0 J	14	9001	E -24 9952
93		9.4R	45 0.456	-0.0007	17	-28 46 8.65	0.006	17	0.32	0.468	16	33.3	8.74	16	33.3	K0 J	13B	7723	J -28 9091
94		8.5R	45 8.235	0.0015	18	-25 11 44.90	0.038	18	0.34	8.210	16	33.3	45.53	16	33.3	K5 J	14	9002	E -24 9956
95		8.5R	45 10.628	-0.0024	15	-25 41 48.86	0.034	15	0.30	10.668	16	33.3	49.43	16	33.3	K0 J	14	9003	E -25 8867
96		9.0R	45 17.734	-0.0010	12	-28 33 19.26	-0.001	12	0.25	17.751	16	33.3	19.24	16	33.3	K2 J	13B	7724	J -28 9092
97		7.7T	45 21.936	0.0017	17	-28 2 41.94	0.009	13	0.78	21.852	18	01.4	42.39	18	98.7	A2	GC	16172	C -27 8317
98		9.4R	45 23.219	-0.0009	12	-25 30 19.18	0.028	12	0.25	23.233	16	33.3	19.65	16	33.3	K5 M	14	9004	E -25 8871
99		8.8R	45 23.561	-0.0016	18	-25 0 11.27	-0.000	18	0.34	23.588	16	33.3	11.26	16	33.3	A2 J	14	9005	E -24 9959
00		8.8R	45 26.066	-0.0027	20	-28 6 37.68	0.034	15	0.33	26.112	16	33.3	38.24	16	33.3	K0 J	13B	7727	J -27 8308

180200			EPOCH 1950								ORIGINAL EPOCH							SP.		SOURCE		-20° 11H
NUMBER	MAGNITUDES m_{pg}	m_v	α_{1950} h m s	μ s	σ_μ .001	δ_{1950} ° ′ ″	μ' ″	σ'_μ .001	σ_{1950} ″	α_2 s	σ .01	ep.	δ_2 ″	σ' .01	ep.			CAT.	STAR NUMBER	DM NUMBER
1		9.4A	11 45 30.718	-0.0043	17	-21 4 52.20	0.005	13	0.30	30.790	16	33.3	52.28	16	33.3	A5	J	13A	5145	A -20 3509
2		8.8R	45 34.950	-0.0007	12	-29 23 58.84	-0.080	12	0.25	34.962	16	33.3	57.50	16	33.3	G5	J	13B	7728	J -28 9099
3		9.5R	45 52.738	-0.0013	18	-25 8 29.27	0.023	18	0.34	52.761	16	33.3	29.65	16	33.3	K0	M	14	9006	E -24 9964
4		7.4R	45 55.213	-0.0229	20	-22 48 46.60	0.009	20	0.36	55.595	16	33.3	46.75	16	33.3	G5	J	14	9007	E -22 9125
5		7.7R	45 58.430	-0.0015	18	-24 48 27.93	0.007	18	0.34	58.455	16	33.3	28.04	16	33.3	A3	J	14	9008	E -24 9965
6		8.3R	46 4.232	-0.0023	12	-25 37 33.60	0.049	12	0.25	4.269	16	33.3	34.42	16	33.3	K2	J	14	9010	E -25 8878
7		9.3A	46 8.605	-0.0012	17	-21 17 29.64	0.016	13	0.30	8.625	16	33.3	29.90	16	33.3	K0	J	13A	5148	A -20 3511
8		5.5H	46 13.287	-0.0025	02	-26 28 17.96	-0.015	02	0.10	13.380	05	13.5	17.42	05	13.3	M3		F4	1305	C -26 8789
9		8.3R	46 21.349	-0.0004	15	-25 46 11.53	0.028	15	0.30	21.354	16	33.3	12.00	16	33.3	A2	J	14	9012	E -25 8880
10		8.2R	46 25.267	-0.0024	15	-27 13 54.00	0.014	15	0.30	25.306	16	33.3	54.23	16	33.3	K0	J	14	9013	E -26 8792
11		9.6R	46 32.076	0.0018	20	-23 55 0.40	0.011	20	0.36	32.046	16	33.3	0.58	16	33.3	F5	M	14	9014	E -2310200
12		9.4R	46 35.497	-0.0023	15	-28 8 55.62	0.028	15	0.30	35.535	16	33.3	56.08	16	33.3	F0	J	13B	7730	J -27 8319
13		9.3A	46 37.489	-0.0003	17	-22 12 28.68	0.006	12	0.29	37.494	16	33.3	28.78	16	33.3	F5	J	13A	5151	A -21 3387
14		8.7A	46 41.429	-0.0140	17	-22 3 55.66	-0.004	13	0.30	41.662	18	33.4	55.59	16	33.4	K0	J	12B	5152	A -19 3352
15		8.6A	46 48.001	-0.0034	17	-21 49 19.05	-0.021	13	0.30	48.057	16	33.3	18.70	16	33.3	G5	J	13A	5153	A -21 3389
16		9.4R	46 52.308	-0.0013	18	-24 24 26.64	0.017	18	0.34	52.329	16	33.3	26.92	16	33.3	G5	M	14	9015	E -2310205
17		9.2R	46 53.555	-0.0023	15	-28 0 9.55	0.015	15	0.30	53.593	16	33.3	9.79	16	33.3	G0	J	13B	7733	J -27 8322
18		9.2R	46 57.103	-0.0026	15	-24 28 52.43	-0.009	15	0.30	57.147	16	33.3	52.28	16	33.3	K5	M	14	9016	E -24 9974
19		9.6R	47 5.162	0.0010	21	-24 38 47.75	0.005	21	0.38	5.146	16	33.3	47.84	16	33.3	F0	M	14	9017	E -24 9975
20		9.2R	47 5.646	0.0007	15	-25 52 27.73	0.015	12	0.27	5.633	16	33.3	27.98	16	33.3	K0	M	14	9018	E -25 8884
21		9.3R	47 14.097	0.0024	18	-22 54 18.26	-0.020	18	0.34	14.058	16	33.3	17.92	16	33.3	K5	M	14	9021	E -22 9131
22		8.5R	47 19.178	0.0007	18	-27 18 15.89	0.002	18	0.34	19.166	16	33.3	15.92	16	33.3	M5	M	13B	7735	J -26 8799
23		8.5R	47 24.901	0.0003	18	-22 45 46.22	0.042	18	0.34	24.896	16	33.3	46.92	16	33.3	A3	J	14	9022	E -22 9134
24		9.4R	47 26.899	0.0085	18	-24 45 20.03	-0.071	18	0.34	26.758	16	33.3	18.86	16	33.3	K2	M	14	9023	E -24 9982
25		9.6R	47 29.967	0.0061	18	-23 17 14.31	-0.007	18	0.34	29.865	16	33.3	14.19	16	33.3	F5	M	14	9024	E -22 9135
26		8.8A	47 38.607	0.0044	17	-20 54 34.11	-0.110	13	0.30	38.534	16	33.4	32.28	16	33.4	F8	J	13A	5156	A -20 3516
27		8.6R	47 46.215	-0.0025	17	-28 51 1.37	-0.012	17	0.32	46.258	16	33.3	1.17	16	33.3	F5	J	13B	7741	J -28 9114
28		9.2A	47 46.934	-0.0010	15	-22 13 59.39	-0.004	11	0.27	46.950	16	33.4	59.33	16	33.4	K0	J	13A	5159	A -21 3391
29		9.0R	47 50.787	-0.0019	12	-29 22 3.77	0.003	12	0.25	50.818	16	33.3	3.82	16	33.3	F0	J	13B	7742	J -28 9117
30		8.6R	47 59.257	-0.0026	18	-22 52 37.58	-0.001	18	0.34	59.300	16	33.3	37.56	16	33.3	K0	J	14	9025	E -22 9140
31		8.0R	48 5.265	0.0026	15	-23 12 12.57	-0.060	15	0.30	5.222	16	33.3	11.57	16	33.3	F8	J	14	9026	E -22 9141
32		6.5T	48 5.313	-0.0066	06	-26 59 59.53	0.006	05	0.24	5.578	07	09.7	59.77	09	08.9	K0		GC	16214	C*-26 8807
33		9.2R	48 8.674	-0.0034	17	-28 44 48.20	0.016	17	0.32	8.730	16	33.3	48.46	16	33.3	G5	J	13B	7743	J -28 9118
34		9.4R	48 10.793	-0.0044	21	-22 35 6.01	-0.044	21	0.38	10.867	16	33.3	5.28	16	33.3	K0	M	14	9028	E -22 9143
35		8.5A	48 16.773	0.0004	18	-21 51 55.62	0.000	13	0.31	16.765	16	33.4	55.62	16	33.4	K0	J	13A	5163	A -21 3394
36		9.1R	48 17.477	-0.0034	18	-23 14 6.48	0.003	18	0.34	17.532	16	33.3	6.53	16	33.3	F8	J	14	9029	E -22 9144
37		8.4A	48 17.585	-0.0008	17	-20 43 30.20	0.011	13	0.30	17.598	16	33.4	30.38	16	33.4	A2	J	13A	5164	A -20 3519
38		8.9R	48 18.062	-0.0001	18	-22 57 27.47	0.068	18	0.34	18.064	16	33.3	28.60	16	33.3	K0	J	14	9030	E -22 9145
39		8.7A	48 27.340	-0.0006	15	-22 7 15.41	-0.020	11	0.27	27.350	16	33.4	15.08	16	33.4	K0	J	13A	5167	A -21 3397
40		7.2T	48 32.993	-0.0062	13	-26 48 7.05	-0.007	12	0.68	33.309	18	99.0	6.66	18	96.3	K0		GC	16222	C -26 8814
41		9.3R	48 42.706	-0.0022	18	-24 1 19.26	-0.010	18	0.34	42.743	16	33.3	19.10	16	33.3	K0	J	14	9032	E -2310220
42		8.0T	48 54.019	-0.0112	11	-23 34 5.72	-0.042	09	0.55	54.588	22	99.3	3.43	21	95.3	F5		GC	16233	C -2310227
43		9.3R	48 59.062	-0.0003	18	-23 31 56.28	0.004	18	0.34	59.067	16	33.3	56.35	16	33.3	F8	M	14	9034	E -2310228
44		7.5A	49 0.285	-0.0017	17	-21 21 27.26	0.008	13	0.30	0.314	16	33.4	27.39	16	33.4	F5	J	13A	5169	A -20 3522
45		9.0R	49 4.326	-0.0002	18	-23 6 51.71	0.002	18	0.34	4.330	16	33.3	51.74	16	33.3	K0	J	14	9035	E -22 9151
46		9.3R	49 12.307	-0.0009	15	-25 59 13.52	0.029	15	0.30	12.321	16	33.3	14.01	16	33.3	K0	M	14	9038	E -25 8904
47		9.3A	49 14.594	-0.0001	17	-20 37 1.34	-0.006	13	0.30	14.596	16	33.4	1.23	16	33.4	F5	J	13A	5173	A -20 3524
48		9.7R	49 16.868	-0.0076	18	-22 26 0.04	-0.035	18	0.34	16.994	16	33.3	-59.46	16	33.3	K	M	14	9039	E -22 9152
49		9.2R	49 18.978	-0.0036	18	-23 36 39.30	0.009	18	0.34	19.038	16	33.3	39.45	16	33.3	A0	J	14	9040	E -2310231
50		9.5R	49 26.437	-0.0003	20	-23 19 52.04	0.015	20	0.36	26.442	16	33.3	52.28	16	33.3	K	M	14	9041	E -22 9153
51		8.9R	11 49 38.260	0.0006	18	-24 52 14.15	-0.027	18	0.34	38.251	16	33.3	14.59	16	33.3	K2	J	14	9042	E -2410005
52		9.5R	49 41.511	-0.0032	18	-25 16 49.57	-0.042	18	0.34	41.564	16	33.3	48.87	16	33.3	K	M	14	9043	E -2410006
53		9.4R	49 44.764	0.0046	15	-27 20 29.25	0.016	12	0.27	44.687	16	33.3	29.56	16	33.3	G5	J	13B	7748	J -26 8825
54		9.3A	49 46.375	-0.0010	18	-20 33 24.94	-0.031	13	0.31	46.358	16	33.4	24.42	16	33.4	F8	J	13A	5175	A -20 3526
55		9.0R	49 49.970	-0.0021	18	-26 17 7.10	0.009	18	0.34	50.004	16	33.3	7.25	16	33.3	K5	J	14	9044	E -25 8910
56		9.3R	49 50.418	-0.0025	12	-28 36 51.29	0.006	12	0.25	50.459	16	33.3	51.39	16	33.3	A3	J	13B	7750	J -28 9138
57		9.0R	50 0.497	-0.0029	18	-23 46 47.01	0.001	18	0.34	0.546	16	33.3	47.02	16	33.3	G5	M	14	9045	E -2310238
58		9.4R	50 2.277	0.0033	18	-23 38 21.77	0.003	18	0.34	2.221	16	33.3	21.82	16	33.3	M	M	14	9046	E -2310239
59		9.0A	50 4.872	-0.0004	17	-21 53 59.45	0.000	12	0.29	4.878	16	33.4	59.45	16	33.4	K2	J	13A	5177	A -21 3402
60		8.9A	50 5.755	0.0016	15	-21 44 38.69	0.012	12	0.27	5.728	16	33.4	38.89	16	33.4	K0	J	13A	5178	A -21 3403
61		8.4R	50 15.569	-0.0176	18	-24 11 49.80	0.139	18	0.34	15.862	16	33.3	52.12	16	33.3	K0	J	14	9047	E -2310243
62		9.4R	50 28.763	-0.0011	18	-24 6 25.85	0.012	18	0.34	28.781	16	33.3	26.05	16	33.3	A3	M	14	9048	E -2310245
63		8.9R	50 33.162	0.0003	15	-25 12 21.74	0.004	15	0.30	33.158	16	33.3	21.80	16	33.3	K0	J	14	9049	E -2410018
64		8.4R	50 33.904	-0.0122	18	-27 1 47.64	-0.013	18	0.34	34.108	16	33.3	47.42	16	33.3	G0	J	14	9050	E -26 8838
65		9.3R	50 39.613	-0.0002	12	-25 27 6.45	-0.015	12	0.25	39.617	16	33.3	6.20	16	33.3	G5	J	14	9051	E -25 8914
66		8.5R	50 40.927	-0.0014	18	-28 7 19.46	-0.019	18	0.34	40.950	16	33.3	19.14	16	33.3	F0	J	13B	7751	J -27 8360
67		9.8R	50 47.389	-0.0087	20	-22 25 56.44	-0.020	20	0.36	47.534	16	33.3	56.11	16	33.3	K	M	14	9052	E -22 9159
68		9.0R	50 57.067	-0.0071	15	-25 46 24.96	0.022	15	0.30	57.185	16	33.3	25.33	16	33.3	G5	J	14	9055	E -25 8919
69		8.0R	51 1.787	-0.0022	18	-26 33 53.67	-0.022	18	0.34	1.824	16	33.3	53.30	16	33.3	M1	M	14	9056	E -26 8845
70		9.6R	51 2.441	-0.0019	20	-23 43 34.49	0.040	20	0.36	2.473	16	33.3	35.16	16	33.3	K0	M	14	9057	E -2310251
71		9.0R	51 3.615	0.0021	15	-23 37 52.04	0.032	15	0.30	3.580	16	33.3	52.57	16	33.3	K0	J	14	9058	E -2310252
72		8.3R	51 4.451	0.0016	12	-28 0 1.03	0.044	12	0.25	4.424	16	33.3	1.76	16	33.3	F2	J	13B	7753	J -27 8364
73		9.0R	51 4.681	-0.0045	15	-28 21 31.81	0.018	12	0.27	4.756	16	33.3	32.11	16	33.3	G5	J	13B	7754	J -27 8365
74		8.7A	51 5.293	-0.0017	17	-20 4 31.91	-0.007	13	0.30	5.321	18	33.4	31.79	16	33.4	F8	J	12B	5182	A -19 3362
75		8.6A	51 17.396	-0.0029	15	-20 13 35.97	-0.028	11	0.27	17.445	18	33.4	35.50	16	33.4	F0	J	12B	5183	A -19 3364
76		8.3R	51 18.225	-0.0067	12	-25 33 26.86	0.066	12	0.25	18.337	16	33.3	27.96	16	33.3	K2	J	14	9059	E -25 8923
77		8.6R	51 19.688	-0.0004	15	-24 10 54.38	-0.025	15	0.30	19.694	16	33.3	53.97	16	33.3	K0	J	14	9060	E -2310257
78		9.1R	51 26.917	-0.0015	18	-23 13 27.52	0.007	18	0.34	26.942	16	33.3	27.63	16	33.3	K0	M	14	9061	E -22 9166
79		9.2R	51 29.714	0.0004	18	-26 51 5.11	-0.017	18	0.34	29.707	16	33.3	4.82	16	33.3	G0	J	14	9062	E -26 8848
80		8.3R	51 33.251	-0.0103	12	-29 42 14.10	-0.062	12	0.25	33.423	16	33.3	13.08	16	33.3	G5	J	13B	7756	J -29 9413
81		8.9R	51 33.491	-0.0011	15	-24 30 11.49	0.034	15	0.30	33.510	16	33.3	12.07	16	33.3	K0	J	14	9063	E -2410026
82		8.9R	51 35.992	-0.0050	15	-22 49 14.90	-0.026	15	0.30	36.076	16	33.3	14.47	16	33.3	F8	J	14	9064	E -22 9169
83		9.3R	51 49.633	-0.0027	17	-29 5 47.82	-0.006	17	0.32	49.678	16	33.3	47.72	16	33.3	A3	J	13B	7759	J -28 9154
84		8.9A	51 52.975	-0.0066	17	-21 35 30.71	-0.057	13	0.30	53.084	16	33.4	29.77	16	33.4	G0	J	13A	5185	A -21 3413
85		9.7R	51 53.140	0.0041	18	-23 58 3.09	-0.027	18	0.34	53.072	16	33.3	2.64	16	33.3	A2	M	14	9065	E -2310262
86		9.0R	51 56.022	-0.0026	17	-28 45 4.79	-0.012	17	0.32	56.065	16	33.3	4.58	16	33.3	F8	J	13B	7760	J -28 9155
87		8.4A	51 59.068	-0.0076	17	-21 37 9.76	-0.034	13	0.30	59.194	16	33.4	9.20	16	33.4	F5	J	13A	5186	A -21 3414
88		5.5T	52 9.534	0.0036	04	-25 26 11.68	0.079	04	0.22	9.367	09	03.0	15.47	09	01.8	G5		GC	16286	C*-25 8930
89		8.9R	52 14.600	-0.0001	17	-28 50 30.44	0.079	17	0.32	14.601	16	33.3	31.75	16	33.3	G5	J	13B	7763	J -28 9161
90		7.6R	52 15.433	-0.0023	18	-23 16 18.59	0.018	18	0.34	15.471	16	33.3	18.89	16	33.3	F5	J	14	9067	E -22 9174
91		9.1R	52 20.051	0.0017	15	-24 26 1.17	0.001	15	0.30	20.024	16	33.3	1.18	16	33.3	K5	M	14	9068	E -2410034
92		9.0R	52 24.754	-0.0010	17	-28 37 53.52	-0.022	17	0.32	24.771	16	33.3	53.15	16	33.3	F5	J	13B	7765	J -28 9162
93		8.9A	52 34.497	-0.0032	17	-22 0 33.78	0.011	13	0.30	34.550	16	33.4	33.96	16	33.4	F0	J	13A	5189	A -21 3418
94		9.0R	52 38.383	-0.0048	12	-29 33 58.39	-0.015	12	0.25	38.462	16	33.3	58.15	16	33.3	A5	J	13B	7767	J -29 9422
95		9.4R	52 40.506	-0.0000	20	-23 9 45.96	0.004	20	0.36	40.507	16	33.3	46.02	16	33.3	K	M	14	9069	E -22 9177
96		8.5R	52 41.526	0.0009	12	-27 27 29.02	0.017	12	0.25	41.510	16	33.3	29.30	16	33.3	G5	J	13B	7768	J -27 8379
97		9.0R	52 46.885	0.0103	17	-28 43 21.23	-0.119	17	0.32	46.713	16	33.3	19.24	16	33.3	G5	J	13B	7769	J -28 9164
98		9.6R	52 47.597	-0.0000	20	-23 37 55.52	-0.030	15	0.33	47.598	16	33.3	55.02	16	33.3	G	M	14	9070	E -2310268
99		9.4R	52 53.803	0.0010	18	-25 14 19.93	0.032	18	0.34	53.786	16	33.3	20.46	16	33.3	A2	J	14	9071	E -2410040
00		9.2A	52 55.933	-0.0128	15	-22 6 20.96	-0.196	11	0.27	56.145	16	33.4	17.71	16	33.4	F5	J	13A	5190	A -21 3425

180300

EPOCH 1950 — ORIGINAL EPOCH — SOURCE — -20° 11H

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.		CAT.	STAR NUMBER	DM NUMBER
1		6.8T	11 52 57.625	-0.0054	12	-24 34 47.47	0.053	10	0.62	57.919	15	95.4	50.33	15	96.6	KO		GC	16309	C -2410041
2		9.0R	52 57.711	-0.0008	17	-28 29 47.77	0.056	17	0.32	57.724	16	33.3	48.70	16	33.3	K0	J	13B	7770	J -28 9167
3		9.1R	52 58.172	0.0010	15	-24 5 0.54	-0.017	15	0.30	58.156	16	33.3	0.26	16	33.3	G5	M	14	9073	E -2310271
4		7.5R	52 59.068	-0.0010	18	-23 10 21.18	-0.012	18	0.34	59.086	16	33.3	21.38	16	33.3	K5	J	14	9074	E -22 9180
5		8.4R	52 59.070	0.0014	15	-27 51 49.44	0.005	15	0.30	59.047	16	33.3	49.52	16	33.3	K0	J	13B	7771	J -27 8383
6		9.3A	53 6.552	-0.0010	18	-22 8 51.94	0.003	13	0.31	6.568	16	33.4	51.99	16	33.4	F2	J	13A	5193	A -21 3421
7		6.1T	53 7.240	0.0002	06	-28 11 54.11	-0.030	05	0.24	7.230	09	05.7	52.71	09	03.7	K5		GC	16312	C*-27 8384
8		8.1R	53 14.332	-0.0023	18	-24 52 4.73	-0.014	18	0.34	14.371	16	33.3	4.51	16	33.3	A2	J	14	9075	E -2410043
9		9.2R	53 14.901	-0.0018	20	-28 34 43.14	0.004	20	0.36	14.930	16	33.3	43.20	16	33.3	K0	M	13B	7774	J -28 9169
10		8.9R	53 16.940	-0.0075	17	-29 31 59.93	-0.013	17	0.32	17.065	16	33.3	59.71	16	33.3	G0	J	13B	7775	J -29 9429
11		8.8R	53 20.216	-0.0035	12	-27 11 1.06	-0.002	12	0.25	20.274	16	33.3	1.02	16	33.3	K0	J	14	9076	E -26 8863
12		8.0R	53 23.961	-0.0000	18	-24 38 49.02	-0.058	18	0.34	23.961	16	33.3	48.05	16	33.3	K0	J	14	9077	E -2410045
13		9.7R	53 30.675	-0.0039	18	-24 33 30.09	0.015	18	0.34	30.740	16	33.3	30.35	16	33.3	K	M	14	9078	E -2410046
14		9.0A	53 37.855	0.0016	18	-20 42 42.32	-0.006	13	0.31	37.828	16	33.4	42.22	16	33.4	K5	J	13A	5198	A -20 3537
15		9.6R	53 42.508	0.0022	18	-23 19 38.06	-0.018	15	0.32	42.473	16	33.3	37.70	16	33.3	F8	M	14	9079	E -22 9181
16		8.9Q	53 56.071	-0.0001	20	-21 47 2.64	-0.173	16	0.73	56.076	19	11.4	+55.49	19	08.6	G0		GC	16329	-21 3425
17		9.1R	53 58.399	-0.0026	12	-26 9 56.87	0.021	12	0.25	58.442	16	33.3	57.21	16	33.3	F5	J	14	9081	E -25 8940
18		8.4R	53 59.363	-0.0025	12	-26 15 31.11	0.001	12	0.25	59.406	16	33.3	31.13	16	33.3	K0	J	14	9082	E -25 8941
19		9.2A	54 3.583	-0.0189	17	-21 8 24.94	-0.057	13	0.30	3.897	16	33.4	24.00	16	33.4	G0	J	13A	5200	A -20 3540
20		9.0R	54 12.269	-0.0044	15	-28 20 23.48	0.024	15	0.30	12.343	16	33.3	23.88	16	33.3	F8	J	13B	7782	J -27 8397
21		9.2R	54 16.566	-0.0006	15	-27 52 3.35	0.005	15	0.30	16.577	16	33.3	3.43	16	33.3	F0	J	13B	7783	J -27 8398
22		9.1R	54 28.036	-0.0004	12	-29 53 36.06	-0.037	12	0.25	28.042	16	33.3	35.45	16	33.3	F8	J	13B	7784	J -29 9444
23		7.9R	54 29.227	-0.0007	15	-25 12 9.61	-0.032	15	0.30	29.240	16	33.3	9.07	16	33.3	F8	J	14	9083K	E -2410050
24		8.8R	54 43.721	-0.0006	12	-26 18 52.40	-0.014	12	0.25	43.730	16	33.3	52.17	16	33.3	K0	J	14	9084	E -25 8949
25		8.9R	54 44.149	-0.0026	12	-28 49 25.78	-0.018	12	0.25	44.192	16	33.3	25.48	16	33.3	F2	J	13B	7785	J -28 9187
26		9.2T	54 44.339	-0.0272	12	-25 51 53.47	0.158	09	0.58	45.635	22	02.4	+ 1.75	22	97.6	K2		GC	16350	C -25 8950
27		8.9R	54 45.907	-0.0037	15	-23 13 17.07	0.040	15	0.30	45.970	16	33.3	17.73	16	33.3	F5	J	14	9086	E -22 9194
28		9.0R	54 52.455	0.0003	17	-28 32 44.93	-0.016	17	0.32	52.449	16	33.3	44.66	16	33.3	F8	J	13B	7787	J -28 9189
29		7.0T	54 58.061	-0.0037	11	-26 46 36.38	-0.072	10	0.61	58.265	17	96.1	32.27	15	93.1	F5		GC	16355	C -26 8875
30		8.5R	54 58.768	0.0010	18	-22 55 26.01	-0.009	18	0.34	58.752	16	33.3	25.86	16	33.3	K5	J	14	9088	E -22 9198
31		8.1R	54 59.479	-0.0062	18	-24 23 36.97	-0.036	18	0.34	59.582	16	33.3	36.37	16	33.3	F8	J	14	9089	E -2310293
32		8.7R	55 0.008	-0.0010	12	-26 15 6.64	0.002	12	0.25	0.024	16	33.3	6.68	16	33.3	K0	J	14	9090	E -25 8952
33		9.3R	55 12.411	-0.0021	15	-23 25 4.21	-0.018	15	0.30	12.447	16	33.3	3.91	16	33.3	K0	M	14	9091	E -2310296
34		8.9R	55 13.777	0.0008	18	-24 30 37.91	0.035	18	0.34	13.764	16	33.3	38.50	16	33.3	A0	J	14	9092	E -2410057
35		8.6A	55 22.294	-0.0064	17	-21 2 54.20	-0.031	13	0.30	22.400	16	33.4	53.68	16	33.4	K2	J	13A	5206	A -20 3545
36		8.4R	55 22.604	-0.0003	18	-24 13 33.01	-0.012	18	0.34	22.610	16	33.3	32.81	16	33.3	A0	J	14	9093	E -2310298
37		7.2T	55 27.040	-0.0808	11	-27 25 12.49	-0.628	11	0.59	31.297	15	97.3	-38.63	15	96.1	K5		GC	16365	C*-26 8883
38		9.7R	55 30.580	-0.0002	20	-22 50 31.79	-0.043	20	0.36	30.584	16	33.3	31.07	16	33.3	G5	M	14	9094	E -22 9204
39		8.5R	55 38.980	-0.0119	12	-23 38 40.91	-0.053	12	0.25	39.179	16	33.3	40.03	16	33.3	K2	J	14	9095	E -2310299
40		9.1R	55 39.273	-0.0040	12	-28 22 44.56	0.007	12	0.25	39.341	16	33.3	44.67	16	33.3	K0	J	13B	7793	J -27 8415
41		9.4R	55 39.386	-0.0084	18	-22 49 30.11	-0.005	18	0.34	39.527	16	33.3	30.02	16	33.3	G5	M	14	9096	E -22 9206
42		9.5R	55 43.662	0.0016	18	-25 6 35.81	0.032	18	0.34	43.635	16	33.3	36.34	16	33.3	K5	M	14	9097	E -2410064
43		9.2R	55 47.225	-0.0016	18	-24 3 27.64	0.010	18	0.34	47.253	16	33.3	27.94	16	33.3	K0	M	14	9098	E -2310302
44		9.2A	55 49.381	0.0010	17	-22 19 38.34	0.091	13	0.30	49.364	16	33.4	39.85	16	33.4	F8	J	13A	5208	A -21 3437
45		8.9R	55 55.538	-0.0201	18	-23 21 33.63	0.135	18	0.34	55.874	16	33.3	35.88	16	33.3	K0	J	14	9100	E -22 9211
46		9.3R	55 55.967	0.0022	15	-23 33 16.88	-0.017	15	0.30	55.929	16	33.3	16.60	16	33.3	K0	M	14	9099	E -2310303
47		9.0R	56 10.134	-0.0149	15	-24 47 37.82	-0.053	15	0.30	10.382	16	33.3	36.95	16	33.3	G5	M	14	9102	E -2410070
48		9.5A	56 17.693	-0.0027	15	-21 29 56.24	0.002	12	0.27	17.739	16	33.4	56.28	16	33.4	F	J	13A	5210	A -20 3548
49		6.4T	56 21.051	-0.0021	04	-25 37 48.55	-0.024	04	0.19	21.138	07	09.0	47.50	09	06.3	A0		GC	16384K	C*-25 8963
50		9.5R	56 27.539	0.0016	18	-22 33 14.91	-0.040	18	0.34	27.514	16	33.3	14.24	16	33.3	G	M	14	9105	E -22 9216
51		7.2R	11 56 28.830	0.0006	18	-23 8 6.65	-0.025	18	0.34	28.819	16	33.3	6.23	16	33.3	G5	J	14	9106	E -22 9218
52		9.1R	56 31.509	0.0012	12	-25 28 55.18	0.010	12	0.25	31.489	16	33.3	55.34	16	33.3	F5	M	14	9107	E -25 8964
53		7.7A	56 35.985	0.0101	17	-20 4 10.55	-0.431	13	0.30	35.817	18	33.4	3.39	16	33.4	K2	J	12B	5212	A -19 3382
54		9.1R	56 42.719	-0.0011	12	-29 19 50.43	0.027	12	0.25	42.737	16	33.3	50.87	16	33.3	K2	J	13B	7796	J -28 9207
55		9.0R	56 43.374	-0.0040	15	-28 21 21.37	0.015	15	0.30	43.440	16	33.3	21.61	16	33.3	F0	J	13B	7797	J -27 8426
56		7.0T	56 48.921	-0.0020	12	-29 46 56.24	0.001	10	0.60	49.024	19	99.1	56.31	17	98.2	K5		GC	16393	C -29 9468
57		8.7R	56 56.164	-0.0023	12	-28 40 8.28	0.003	12	0.25	56.202	16	33.3	8.33	16	33.3	K0	J	13B	7800	J -28 9209
58		8.8R	56 58.322	-0.0013	17	-28 55 54.30	-0.038	17	0.32	58.342	16	33.3	53.66	16	33.3	F5	J	13B	7803	J -28 9210
59		9.4R	57 4.755	-0.0024	18	-23 15 2.54	0.034	18	0.34	4.796	16	33.3	3.11	16	33.3	F2	J	14	9109	E -22 9222
60		8.4R	57 11.459	-0.0016	20	-29 13 22.03	-0.069	20	0.36	11.486	16	33.3	20.87	16	33.3	K5	J	13B	7804	J -28 9213
61		9.2R	57 27.737	-0.0101	12	-27 14 7.06	0.019	12	0.25	27.905	16	33.3	7.36	16	33.3	G0	J	14	9110	E -26 8899
62		9.3R	57 33.520	-0.0024	18	-24 34 58.22	0.010	18	0.34	33.560	16	33.3	58.38	16	33.3	K	M	14	9111	E -2410086
63		8.5R	57 35.605	-0.0003	15	-26 49 24.29	0.004	15	0.30	35.611	16	33.3	24.35	16	33.3	G0	J	14	9112K	E -26 8903
64		9.5R	57 38.872	0.0008	18	-22 45 44.38	-0.017	18	0.34	38.858	16	33.3	44.09	16	33.3	G	M	14	9113	E -22 9226
65		8.9R	57 39.248	-0.0065	18	-24 59 54.25	0.041	18	0.34	39.256	16	33.3	54.93	16	33.3	G0	J	14	9114	E -2410087
66		8.8R	57 40.354	0.0013	12	-29 27 2.63	-0.001	12	0.25	40.333	16	33.3	2.61	16	33.3	K5	J	13B	7806	J -29 9484
67		9.4R	57 45.666	-0.0019	15	-25 12 1.82	0.006	15	0.30	45.697	16	33.3	1.91	16	33.3	G0	M	14	9116	E -2410089
68		8.8R	57 48.119	0.0023	15	-23 34 21.92	-0.004	15	0.30	48.080	16	33.3	21.85	16	33.3	K0	J	14	9117	E -2310318
69		8.6R	57 50.281	-0.0019	12	-26 5 27.57	0.008	12	0.25	50.313	16	33.3	27.70	16	33.3	F0	J	14	9118	E -25 8977
70		9.7R	57 51.450	-0.0006	20	-24 24 51.05	-0.025	20	0.36	51.461	16	33.3	50.64	16	33.3			14	9119	E -2310319
71		8.5R	57 54.673	-0.0013	12	-24 10 46.64	-0.008	12	0.25	54.696	16	33.3	46.51	16	33.3	A2	J	14	9120	E -2310320
72		8.7A	57 55.794	-0.0014	17	-21 36 4.72	-0.009	13	0.30	55.816	16	33.4	4.57	16	33.4	A2	J	13A	5215	A -21 3442
73		9.0R	58 8.482	0.0013	15	-25 43 51.67	0.012	15	0.30	8.459	16	33.3	51.87	16	33.3	K5	M	14	9122	E -25 8981
74		6.4T	58 8.718	0.0018	12	-21 33 31.49	0.001	11	0.68	8.623	22	96.2	31.55	21	92.8	K0		GC	16420K	-21 3443
75		8.6R	58 11.719	-0.0015	15	-27 6 27.03	-0.007	15	0.30	11.743	16	33.3	26.91	16	33.3	K2	J	14	9123	E -26 8908
76		8.9R	58 15.110	-0.0020	17	-29 25 31.65	-0.061	17	0.32	15.142	16	33.3	30.63	16	33.3	K0	J	13B	7809	J -29 9490
77		9.0R	58 16.963	-0.0047	18	-26 50 19.04	-0.001	18	0.34	17.041	16	33.3	19.02	16	33.3	A3	J	14	9124	E -26 8911
78		8.2A	58 20.920	-0.0037	18	-20 21 16.04	-0.002	13	0.31	20.982	18	33.4	16.00	16	33.4	A0	J	12B	5218	A -19 3390
79		7.8A	58 23.550	-0.0018	17	-20 58 18.40	-0.050	13	0.30	23.580	16	33.4	17.57	16	33.4	K2	J	13A	5219	A -20 3555
80		8.0R	58 27.048	-0.0007	12	-26 12 4.63	0.020	12	0.25	27.060	16	33.3	4.97	16	33.3	K0	J	14	9125	E -25 8989
81		8.9R	58 27.219	-0.0034	12	-29 25 16.22	0.049	12	0.25	27.275	16	33.3	17.03	16	33.3	K0	J	13B	7811	J -28 9233
82		9.6R	58 30.091	-0.0029	15	-23 21 25.04	-0.023	15	0.30	30.140	16	33.3	24.66	16	33.3	G5	J	14	9126	E -22 9233
83		9.0R	58 34.430	0.0075	18	-23 3 55.55	0.013	18	0.34	34.305	16	33.3	55.76	16	33.3	K0	J	14	9127	E -22 9234
84		9.8R	58 38.460	0.0009	20	-23 13 53.03	0.004	20	0.36	38.445	16	33.3	53.09	16	33.3			14	9128	E -22 9236
85		9.3R	58 42.300	0.0006	17	-28 59 50.69	-0.015	12	0.29	42.291	16	33.3	50.43	16	33.3	F8	J	13B	7813	J -28 9236
86		9.0R	58 43.371	-0.0002	18	-23 38 44.52	0.008	18	0.34	43.373	16	33.3	44.65	16	33.3	K2	J	14	9129	E -2311325
87		8.5R	58 46.976	-0.0015	18	-22 50 32.68	-0.065	18	0.34	47.002	16	33.3	31.59	16	33.3	F5	J	14	9130	E -22 9237
88		7.9A	58 49.581	-0.0020	17	-20 23 6.06	-0.044	13	0.30	49.613	16	33.4	5.33	16	33.4	K0	J	13A	5223	A -19 3392
89		9.2A	59 0.621	-0.0039	15	-22 10 17.78	-0.002	11	0.27	0.685	16	33.4	17.75	16	33.4	G0	J	13A	5227	A -21 3446
90		9.2R	59 12.062	-0.0026	12	-24 47 8.91	0.013	12	0.25	12.106	16	33.3	9.14	16	33.3	A3	J	14	9131	E -2410099
91		9.5R	59 13.806	-0.0024	18	-24 30 24.31	-0.010	18	0.34	13.847	16	33.3	24.15	16	33.3	F8	M	14	9132	E -2410100
92		9.3R	59 17.784	-0.0009	12	-27 54 32.14	0.009	12	0.25	17.799	16	33.3	32.29	16	33.3	K0	J	13B	7817	J -27 8452
93		8.9R	59 21.640	0.0019	12	-26 11 35.30	-0.002	12	0.25	21.609	16	33.3	35.26	16	33.3	F8	J	14	9134	E -25 8994
94		8.2R	59 28.021	-0.0012	18	-26 29 24.70	0.011	18	0.34	28.040	16	33.3	24.88	16	33.3	K0	J	14	9135	E -26 8925
95		8.1A	59 28.799	-0.0030	18	-20 31 48.53	-0.006	13	0.31	28.849	16	33.4	48.43	16	33.4	A0	J	13A	5231	A -19 3395
96		8.5R	59 39.526	0.0001	15	-27 22 8.37	-0.057	15	0.30	39.524	16	33.3	7.41	16	33.3	G0	J	13B	7820	J -26 8926
97		9.0R	59 40.699	-0.0001	15	-23 29 3.05	0.005	15	0.30	40.701	16	33.3	3.13	16	33.3	K2	J	14	9136	E -2310334
98		8.7R	59 42.742	-0.0021	18	-26 51 46.88	-0.028	18	0.34	42.777	16	33.3	46.41	16	33.3	F8	J	14	9138	E -26 8929
99		9.2A	59 45.542	-0.0001	17	-22 10 54.96	-0.013	13	0.30	45.543	16	33.4	54.75	16	33.4	G5	J	13A	5232	A -21 3453
00		8.8R	59 47.989	-0.0030	12	-26 9 33.13	0.008	12	0.25	48.038	16	33.3	33.27	16	33.3	A2	J	14	9139	E -25 8996

180400			EPOCH 1950								ORIGINAL EPOCH						SP.		SOURCE		-20° 11H
NUMBER	MAGNITUDES		α_{1950}	μ	σ_μ	δ_{1950}	μ'	σ_μ	σ_{1950}		α_2	σ	ep.	δ_2	σ'	ep.			CAT.	STAR NUMBER	
	m_{pg}	m_v	h m s	s	″.001	° ′ ″	″	″.001	″		s	″.01		″	″.01						DM NUMBER
1		9.3R	11 59 50.011	0.0048	15	-24 4 18.73	-0.029	15	0.30		49.932	16	33.3	18.25	16	33.3	K5	M	14	9140	E -2310337
2		8.8R	59 55.957	-0.0045	18	-23 46 48.61	-0.008	18	0.34		56.033	16	33.3	48.48	16	33.3	G5	J	14	9142	E -2310340
3		9.4R	59 58.504	-0.0004	15	-24 33 37.75	-0.015	15	0.30		58.511	16	33.3	37.51	16	33.3	K0	M	14	9143	E -2410108
4		9.0R	12 0 3.085	-0.0075	12	-26 5 13.28	0.024	12	0.25		3.210	16	33.3	13.68	16	33.3	F8	J	14	9144	E -25 8999
5		9.5A	0 10.440	-0.0004	17	-22 5 30.25	0.024	13	0.30		10.446	16	33.4	30.65	16	33.4	G0	J	13A	5234	A -21 3458
6		9.0A	0 10.463	-0.0015	17	-21 7 3.33	0.005	13	0.30		10.488	16	33.4	3.42	16	33.4	G5	J	13A	5235	A -20 3563
7		9.6R	0 17.361	-0.0009	18	-25 5 16.64	0.019	18	0.34		17.377	16	33.3	16.95	16	33.3	G0	M	14	9145	E -2410112
8		9.7R	0 22.742	0.0025	18	-24 48 56.95	0.015	18	0.34		22.700	16	33.3	57.21	16	33.3	F8	M	14	9146	E -2410113
9		8.0T	0 26.113	-0.0004	11	-21 52 26.60	0.014	09	0.50		26.133	15	02.6	27.32	15	99.5	K5		GC	16460	-21 3461
10		9.4R	0 28.124	-0.0035	18	-26 29 14.74	0.024	18	0.34		28.181	16	33.3	15.14	16	33.3	K5	J	14	9147	E -26 8935
11		8.1R	0 28.236	0.0004	12	-27 58 47.43	0.014	12	0.25		28.230	16	33.3	47.66	16	33.3	K0	J	13B	7825	J -27 8465
12		9.3R	0 30.661	0.0005	15	-25 55 30.46	0.020	15	0.30		30.652	16	33.3	30.80	16	33.3	F0	J	14	9148	E -25 9001
13		9.5R	0 32.118	0.0026	18	-23 44 5.72	-0.022	18	0.34		32.075	16	33.3	5.36	16	33.3			14	9149	E -2310343
14		9.3A	0 35.808	-0.0007	17	-21 38 19.08	-0.025	13	0.30		35.820	16	33.4	18.67	16	33.4	K0	J	13A	5239	A -21 3462
15		7.5R	0 36.968	0.0016	12	-28 58 59.38	-0.002	12	0.25		36.940	16	33.3	59.34	16	33.3	K0	J	13B	7826	J -28 9257
16		9.6R	0 43.847	-0.0012	21	-25 13 31.33	-0.015	21	0.38		43.866	16	33.3	31.57	16	33.3	F5	M	14	9150	E -2410118
17		9.2R	0 49.377	-0.0004	12	-23 49 24.00	-0.017	12	0.25		49.384	16	33.3	23.72	16	33.3	G5	M	14	9151	E -2310345
18		9.4R	0 50.708	-0.0069	12	-26 56 51.24	0.030	12	0.25		50.823	16	33.3	51.74	16	33.3	G0	J	14	9152	E -26 8941
19		10.0R	0 53.470	0.0012	20	-24 17 43.71	0.056	20	0.36		53.450	16	33.3	44.64	16	33.3	G	M	14	9153	E -2310346
20		8.7R	1 8.700	-0.0029	17	-29 24 34.55	0.018	17	0.32		8.747	16	33.3	34.84	16	33.3	A2	J	13B	7832	J -28 9262
21		9.2R	1 15.582	0.0008	18	-24 7 55.83	0.035	18	0.34		15.569	16	33.3	56.41	16	33.3	G5	J	14	9154	E -2310350
22		8.9A	1 27.848	-0.0021	17	-20 16 30.26	0.005	13	0.30		27.883	18	33.4	30.34	16	33.4	K0	J	12B	5241	A -19 3400
23		9.5R	1 31.985	-0.0001	18	-24 1 30.04	-0.044	18	0.34		31.987	16	33.3	29.31	16	33.3	K	M	14	9155	E -2310355
24		9.7R	1 32.994	0.0044	20	-25 8 36.80	-0.003	20	0.36		32.920	16	33.3	36.75	16	33.3	G	M	14	9156	E -2410126
25		8.1T	1 37.534	-0.0141	20	-22 5 32.53	-0.008	17	0.88		38.181	19	04.2	32.15	18	01.6	K5		GC	16485	-21 3463
26		7.9T	1 43.005	-0.0016	11	-20 45 38.58	-0.026	09	0.57		43.089	19	96.1	37.12	18	93.8	A2		GC	16488K	-20 3569
27		9.0R	1 43.453	-0.0005	18	-22 37 3.49	-0.000	18	0.34		43.462	16	33.3	3.49	16	33.3	A2	J	14	9157	E -22 9257
28		9.0R	1 48.014	-0.0069	20	-28 18 4.62	0.060	20	0.36		48.129	16	33.3	5.61	16	33.3	G5	J	13B	7839	J -27 8478
29		8.8A	1 58.070	-0.0014	17	-20 20 41.30	0.006	13	0.30		58.093	18	33.4	41.39	16	33.4	F0	J	12B	5246	A -19 3402
30		9.3R	2 0.617	-0.0020	15	-22 49 7.32	-0.002	15	0.30		0.650	16	33.3	7.28	16	33.3	G0	J	14	9158	E*-22 9260
31		9.7R	2 3.677	-0.0021	18	-27 28 3.59	0.020	18	0.34		3.712	16	33.3	3.92	16	33.3	K2	M	13B	7841	J -27 8481
32		8.3R	2 7.168	0.0035	15	-24 37 20.94	0.002	15	0.30		7.111	16	33.3	20.99	16	33.3	K5	J	14	9159	E -2410133
33		8.7R	2 8.885	-0.0045	17	-28 54 22.94	-0.037	17	0.32		8.960	16	33.4	22.32	16	33.4	K0	J	13B	7842	J -28 9270
34		9.6R	2 18.369	-0.0033	20	-22 53 27.24	-0.026	20	0.36		18.425	16	33.3	26.80	16	33.3	F8	M	14	9160	E -22 9262
35		8.6R	2 18.643	-0.0023	18	-28 22 53.41	-0.024	18	0.34		18.682	16	33.4	53.01	16	33.4	F0	J	13B	7843	J -27 8483
36		8.9A	2 23.561	-0.0007	17	-21 33 59.10	-0.017	13	0.30		23.573	16	33.4	58.82	16	33.4	K0	J	13A	5250	A -21 3466
37		9.0R	2 30.163	-0.0021	12	-23 50 14.99	-0.016	12	0.25		30.198	16	33.3	14.72	16	33.3	K0	J	14	9161	E -2310362
38		9.1R	2 30.524	-0.0014	12	-29 3 46.85	0.002	12	0.25		30.547	16	33.4	46.88	16	33.4	F8	J	13B	7844	J -28 9275
39		9.5R	2 30.578	0.0012	20	-23 18 17.17	-0.003	20	0.36		30.559	16	33.3	17.12	16	33.3	G5	M	14	9162	E -22 9264
40		9.4R	2 33.624	-0.0093	15	-24 7 58.91	-0.025	15	0.30		33.779	16	33.3	58.50	16	33.3	G0	M	14	9163	E -2310363
41		8.7R	2 36.694	-0.0012	12	-25 32 31.20	-0.021	12	0.25		36.714	16	33.3	30.85	16	33.3	K5	J	14	9164	E -25 9019
42		7.7R	2 38.254	0.0159	12	-28 25 58.95	-0.391	12	0.25		37.991	16	33.4	52.46	16	33.4	G0	J	13B	7845	J -28 9277
43		8.8R	2 44.652	-0.0003	17	-29 15 56.26	0.015	17	0.32		44.657	16	33.4	56.50	16	33.4	K5	J	13B	7846	J -28 9279
44		8.7R	2 49.524	-0.0030	12	-26 24 11.82	0.002	12	0.25		49.574	16	33.3	11.85	16	33.3	K2	J	14	9165	E -25 9023
45		9.6R	2 51.491	-0.0220	12	-26 18 47.59	-0.254	12	0.25		51.856	16	33.3	43.35	16	33.3	F8	J	14	9166	E -25 9024
46		9.0A	2 54.038	-0.0077	17	-22 9 19.17	0.032	13	0.30		54.166	16	33.4	19.70	16	33.4	G5	J	13A	5252	A -21 3469
47		9.3R	2 54.228	0.0045	15	-23 13 39.77	-0.033	15	0.30		54.153	16	33.3	39.22	16	33.3	F8	J	14	9167	E -22 9269
48		8.5R	3 0.972	-0.0022	20	-29 44 11.32	0.022	20	0.36		1.008	16	33.4	11.69	16	33.4	A2	J	13B	7848	J -29 9541
49		9.3R	3 11.033	0.0122	21	-28 30 11.78	-0.090	21	0.38		10.830	16	33.4	10.28	16	33.4	G5	J	13B	7849	J -28 9285
50		8.0R	3 14.755	-0.0014	18	-23 30 10.28	-0.007	18	0.34		14.779	16	33.3	10.16	16	33.3	K2	J	14	9168	E -2310367
51		8.8R	12 3 16.640	-0.0048	15	-26 20 19.60	0.036	15	0.30		16.719	16	33.3	20.20	16	33.3	K0	J	14	9169	E -25 9030
52		8.5R	3 20.855	0.0054	18	-27 0 38.93	-0.022	18	0.34		20.765	16	33.3	38.56	16	33.3	G0	J	14	9170K	E -26 8959
53		9.4R	3 22.424	-0.0007	15	-24 51 40.17	0.078	15	0.30		22.436	16	33.3	41.48	16	33.3	K5	M	14	9171	E -2410141
54		8.7R	3 27.699	-0.0000	15	-25 30 42.34	0.022	15	0.30		27.700	16	33.3	42.70	16	33.3	F5	J	14	9173K	E -25 9031
55		9.1A	3 28.733	-0.0012	13	-20 29 45.66	-0.007	09	0.25		28.754	16	33.4	45.54	16	33.4	K5	J	13A	5253	A -19 3405
56		9.6R	3 30.425	-0.0006	18	-22 34 26.53	-0.039	18	0.34		30.436	16	33.3	25.88	16	33.3	F0	M	14	9174	E -22 9273
57		8.8A	3 31.186	-0.0022	18	-21 23 38.46	-0.022	13	0.31		31.223	16	33.4	38.10	16	33.4	G5	J	13A	5254	A -20 3575
58		8.7R	3 34.155	-0.0039	17	-29 54 42.62	-0.047	17	0.32		34.220	16	33.4	41.84	16	33.4	G5	J	13B	7850	J -29 9547
59		8.6R	3 34.421	0.0060	18	-23 19 22.11	-0.114	18	0.34		34.322	16	33.3	20.21	16	33.3	K0	J	14	9175	E -22 9274
60		8.7R	3 35.478	-0.0024	20	-27 41 37.40	-0.008	20	0.36		35.518	16	33.4	37.26	16	33.4	G0	J	13B	7851	J -27 8494
61		9.2R	3 38.093	0.0005	15	-27 45 33.85	0.040	15	0.30		38.084	16	33.4	34.51	16	33.4	F8	J	13B	7853	J -27 8495
62		8.5R	3 38.693	-0.0028	15	-24 35 10.11	0.017	15	0.30		38.739	16	33.3	10.40	16	33.3	K5	J	14	9176	E -2410143
63		9.0R	3 38.938	-0.0054	20	-28 44 57.20	0.004	20	0.36		39.028	16	33.4	57.26	16	33.4	G0	J	13B	7854	J -28 9288
64		9.2R	3 41.499	-0.0020	18	-23 43 22.23	-0.002	18	0.34		41.533	16	33.3	22.20	16	33.3	F5	J	14	9177	E -2310372
65		7.3T	3 42.110	-0.0017	11	-22 31 5.48	0.014	08	0.53		42.195	17	99.3	6.23	17	95.0	K0		GC	16541	-21 3473
66		9.1R	3 44.701	0.0019	18	-24 36 8.55	0.018	18	0.34		44.669	16	33.3	8.86	16	33.3	K0	M	14	9179	E -2410145
67		8.4R	3 46.926	0.0014	15	-26 7 13.32	0.006	15	0.30		46.903	16	33.3	13.41	16	33.3	K0	J	14	9180	E -25 9035
68		8.6R	3 50.865	-0.0013	18	-25 14 47.82	0.010	18	0.34		50.887	16	33.3	47.98	16	33.3	K2	J	14	9181	E -2410148
69		9.6T	3 54.948	-0.0046	13	-26 34 36.03	-0.002	11	0.61		55.159	24	04.1	35.92	22	01.3	F2		GC	16546	C -26 8964
70		8.3A	4 1.473	-0.0017	17	-20 27 30.67	0.008	13	0.30		1.501	16	33.4	30.80	16	33.4	K0	J	13A	5259	A -19 3408
71		9.5R	4 5.387	-0.0013	18	-23 25 16.04	-0.033	18	0.34		5.409	16	33.3	15.49	16	33.3	K0	M	14	9183	E -2310374
72		8.9R	4 11.187	-0.0051	18	-22 45 38.03	-0.005	18	0.34		11.273	16	33.3	37.94	16	33.3	K0	J	14	9184	E -22 9279
73		8.9R	4 16.288	-0.0023	12	-23 12 24.77	-0.016	12	0.25		16.327	16	33.3	24.50	16	33.3	K0	J	14	9185	E -22 9280
74		8.3R	4 19.227	0.0028	12	-28 50 50.98	0.003	12	0.25		19.180	16	33.4	51.03	16	33.4	G5	J	13B	7858	J -28 9297
75		8.4R	4 20.931	-0.0004	18	-22 49 30.94	-0.024	18	0.34		20.938	16	33.3	30.54	16	33.3	K0	J	14	9186	E -22 9283
76		9.4T	4 21.521	-0.0035	13	-26 46 15.99	0.009	09	0.59		21.682	24	04.1	16.45	22	97.2	F5		GC	16552	C -26 8969
77		9.4A	4 21.772	-0.0018	17	-20 11 27.99	-0.045	13	0.30		21.802	18	33.4	27.24	16	33.4	G5	J	12B	5261	A -19 3409
78		8.8R	4 26.902	-0.0026	18	-27 16 13.03	-0.020	18	0.34		26.944	16	33.4	12.69	16	33.4	K0	J	14	9189	E -26 8970
79		6.9T	4 27.296	-0.0066	07	-23 29 18.43	0.029	06	0.28		27.573	09	08.0	19.63	09	08.2	F8		GC	16554	-22 3291
80		8.7R	4 30.280	-0.0006	18	-23 45 41.60	0.017	18	0.34		30.290	16	33.4	41.88	16	33.4	K0	J	14	9191	E -2310379
81		9.3R	4 31.412	-0.0018	12	-25 43 20.87	0.011	12	0.25		31.442	16	33.4	21.06	16	33.4	K0	M	14	9192	E -25 9041
82		8.4A	4 37.408	-0.0010	17	-22 5 31.87	-0.008	13	0.30		37.425	16	33.4	31.74	16	33.4	M1	J	13A	5264	A -21 3476
83		8.5R	4 45.230	-0.0013	18	-27 6 42.57	-0.005	18	0.34		45.251	16	33.4	42.48	16	33.4	K2	J	14	9193	E -26 8975
84		9.2A	4 51.202	0.0029	17	-21 19 26.57	0.065	13	0.30		51.153	16	33.4	27.64	16	33.4	F8	J	13A	5265	A -20 3579
85		8.5R	4 54.429	-0.0004	18	-23 51 43.80	0.011	18	0.34		54.437	16	33.4	43.98	16	33.4	K0	J	14	9194	E -2310381
86		8.7R	4 54.542	-0.0000	15	-27 16 1.81	0.003	15	0.30		54.542	16	33.4	1.85	16	33.4	K0	J	14	9195	E -26 8976
87		7.7R	5 2.112	-0.0024	12	-28 47 3.96	-0.000	12	0.25		2.151	16	33.4	3.95	16	33.4	A2	J	13B	7861	J -28 9307
88		6.7T	5 4.041	0.0079	14	-23 41 39.00	-0.239	13	0.73		3.630	18	97.8	26.58	18	98.0	G0		GC	16570	C -2310383
89		9.4R	5 6.088	-0.0068	17	-29 22 25.31	-0.055	17	0.32		6.201	16	33.4	24.39	16	33.4	G0	J	13B	7862	J -28 9308
90		8.6R	5 6.784	-0.0021	17	-28 41 28.09	0.020	17	0.32		6.818	16	33.4	28.42	16	33.4	M3	M	13B	7863	J -28 9309
91		9.5R	5 9.381	0.0068	18	-24 55 46.44	0.010	18	0.34		9.268	16	33.4	46.62	16	33.4	G5	M	14	9197	E -2410163
92		8.9R	5 11.938	-0.0013	18	-25 3 44.93	0.022	18	0.34		11.960	16	33.4	45.29	16	33.4	G0	J	14	9198	E -2410167
93		9.0R	5 14.589	0.0021	18	-23 52 6.43	-0.041	18	0.34		14.554	16	33.4	5.75	16	33.4	M2	M	14	9199	E -2310386
94		9.3R	5 15.821	-0.0014	15	-26 0 2.49	0.049	15	0.30		15.843	16	33.4	3.30	16	33.4	K0	J	14	9200	E -25 9050
95		9.1R	5 19.854	-0.0014	18	-22 30 56.83	-0.005	18	0.34		19.878	16	33.4	56.74	16	33.4	G0	J	14	9201	E -22 9285
96		8.7R	5 25.527	-0.0062	15	-25 55 29.42	-0.005	15	0.30		25.630	16	33.4	29.34	16	33.4	F5	J	14	9202	E -25 9053
97		8.0R	5 30.237	-0.0025	18	-24 13 52.72	0.039	18	0.34		30.279	16	33.4	53.37	16	33.4	K0	J	14	9203	E -2310388
98		9.2R	5 33.285	-0.0038	12	-27 27 25.18	-0.007	12	0.25		33.349	16	33.4	25.06	16	33.4	A0	J	13B	7865	J -27 8518
99		9.2R	5 35.885	0.0010	18	-24 4 4.90	-0.031	18	0.34		35.869	16	33.4	4.39	16	33.4	G5	J	14	9204	E -2310391
00		8.9R	5 36.783	-0.0013	18	-28 24 39.04	-0.066	18	0.34		36.806	16	33.4	37.94	16	33.4	K5	J	13B	7866	J -27 8519

180500 — −20° 12H

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	σ_μ ″.001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.		SOURCE CAT.	STAR NUMBER	DM NUMBER
1		9.5A	12 5 37.126	-0.0032	15	-21 48 13.66	-0.009	11	0.27	37.179	16	33.4	13.51	16	33.4	F0	J	13A	5270	A -21 3479
2		9.0A	5 37.523	-0.0005	15	-22 17 54.75	0.016	11	0.27	37.530	16	33.4	55.02	16	33.4	K5	J	13A	5271	A -21 3480
3		8.9A	5 44.863	-0.0058	15	-22 1 29.35	-0.040	11	0.27	44.959	16	33.4	28.69	16	33.4	G0	J	13A	5272	A -21 3481
4		8.7R	5 49.716	0.0014	12	-25 16 35.38	0.010	12	0.25	49.693	16	33.4	35.54	16	33.4	K5	J	14	9206	E -2410175
5		4.2T	5 49.746	0.0062	02	-24 27 0.13	-0.045	03	0.14	49.444	06	01.1	-57.87	07	99.6	F2		GC	16586	C*-2410174
6		8.5A	5 52.480	-0.0005	15	-22 22 35.85	-0.016	11	0.27	52.487	16	33.4	35.59	16	33.4	M1	J	13A	5273	A -21 3482
7		9.6R	5 52.714	0.0020	18	-25 10 49.16	-0.026	18	0.34	52.681	16	33.4	48.72	16	33.4	K5	M	14	9207	E -2410176
8		8.4R	5 55.372	-0.0030	18	-27 44 38.60	-0.009	18	0.34	55.422	16	33.4	38.45	16	33.4	K0	J	13B	7868	J -27 8514
9		8.9R	5 56.404	-0.0003	17	-29 5 42.66	-0.003	17	0.32	56.408	16	33.4	42.61	16	33.4	K0	J	13B	7869	J -28 9315
10		9.8R	5 57.546	0.0029	20	-23 23 37.48	-0.001	20	0.36	57.498	16	33.4	37.46	16	33.4	K	M	14	9209	E -22 9289
11		8.5R	6 5.871	-0.0020	12	-27 47 36.33	-0.002	12	0.25	5.905	16	33.4	36.29	16	33.4	F0	J	13B	7870	J -27 8518
12		8.7A	6 11.210	-0.0040	13	-22 14 34.02	0.015	09	0.25	11.276	16	33.4	34.27	16	33.4	F8	J	13A	5277	A -21 3484
13		8.7R	6 14.173	-0.0014	12	-29 57 22.51	-0.016	12	0.25	14.196	16	33.4	22.25	16	33.4	F8	J	13B	7872	J -29 9572
14		6.5R	6 14.394	0.0022	18	-23 22 24.25	-0.001	18	0.34	14.358	16	33.4	24.23	16	33.4	G5	J	14	9210	E -22 9291
15		9.4R	6 17.629	-0.0015	18	-25 9 2.82	0.020	18	0.34	17.654	16	33.4	3.15	16	33.4	K0	M	14	9211	E -2410178
16		9.1R	6 27.151	-0.0057	18	-22 35 47.12	-0.110	18	0.34	27.245	16	33.4	48.94	16	33.4	G0	J	14	9212	E -22 9293
17		9.4R	6 37.194	-0.0050	18	-27 58 39.60	-0.029	18	0.34	37.278	16	33.4	39.11	16	33.4	K0	J	13B	7874	J -27 8521
18		8.6R	6 45.599	-0.0029	18	-23 5 58.66	-0.025	18	0.34	45.557	16	33.4	58.24	16	33.4	F8	J	14	9213	E -22 9295
19		8.5R	6 46.215	-0.0090	20	-27 42 14.96	0.060	20	0.36	46.365	16	33.4	15.95	16	33.4	K0	J	13B	7876	J -27 8525
20		8.8R	6 46.624	0.0009	15	-23 30 31.52	0.001	15	0.30	46.609	16	33.4	31.54	16	33.4	F8	J	14	9214	E -2310397
21		8.4A	6 57.330	0.0001	17	-20 46 29.53	-0.033	13	0.30	57.329	16	33.4	28.98	16	33.4	A2	J	13A	5281	A -20 3582
22		9.1R	7 2.156	-0.0011	20	-28 46 5.64	-0.014	20	0.36	2.175	16	33.4	5.40	16	33.4	A3	J	13B	7878	J -28 9331
23		9.1R	7 4.432	-0.0023	17	-29 18 0.21	-0.031	17	0.32	4.470	16	33.4	-59.69	16	33.4	F5	J	13B	7879	J +28 9332
24		9.1R	7 6.335	-0.0090	18	-22 39 54.40	-0.025	18	0.34	6.484	16	33.4	53.98	16	33.4	G5	J	14	9215	E -22 9299
25		9.3R	7 26.316	-0.0013	18	-23 12 18.94	0.004	18	0.34	26.338	16	33.4	19.00	16	33.4	F0	J	14	9216	E -22 9301
26		9.2R	7 29.388	-0.0025	20	-25 40 27.64	-0.005	20	0.36	29.429	16	33.4	27.55	16	33.4	K5	M	14	9217	E -25 9074
27		9.3A	7 30.619	0.0013	17	-22 10 34.07	-0.053	13	0.30	30.598	16	33.4	33.19	16	33.4	G0	J	13A	5285	A -21 3486
28		9.0R	7 30.790	-0.0077	20	-28 51 58.38	-0.022	20	0.36	30.918	16	33.4	58.01	16	33.4	G0	J	13B	7882	J -28 9334
29		9.4R	7 32.338	0.0045	20	-26 13 3.91	-0.047	20	0.36	32.263	16	33.4	3.13	16	33.4	G5	J	14	9218	E -25 9075
30		9.0R	7 32.533	0.0012	15	-24 8 52.56	-0.006	15	0.30	32.513	16	33.4	52.46	16	33.4	K0	J	14	9219	E -2310403
31		3.2H	7 32.919	-0.0052	01	-22 20 30.12	0.010	01	0.05	33.140	02	07.7	30.52	03	10.3	K0		F4	453	-21 3487
32		8.9A	7 36.070	-0.0030	17	-21 25 27.50	-0.011	13	0.30	36.120	16	33.4	27.32	16	33.4	A3	J	13A	5287	A -20 3584
33		9.0R	7 44.407	-0.0114	20	-29 8 29.00	-0.043	20	0.36	44.596	16	33.4	28.28	16	33.4	G5	J	13B	7885	J -28 9337
34		8.6R	7 46.913	0.0001	20	-26 39 17.58	0.048	20	0.36	46.911	16	33.4	18.37	16	33.4	K0	J	14	9221	E -26 9002
35		8.5R	7 53.456	-0.0018	20	-29 20 32.04	-0.014	20	0.36	53.486	16	33.4	31.80	16	33.4	F0	J	13B	7886	J -28 9341
36		7.6T	7 53.617	-0.0014	10	-24 40 50.27	-0.002	07	0.49	53.689	15	97.6	50.18	15	92.7	A0		GC	16622	C -2410187
37		9.3R	7 56.278	0.0003	20	-28 44 52.25	0.004	20	0.36	56.273	16	33.4	52.31	16	33.4	F8	J	13B	7887	J -28 9344
38		9.0R	8 2.901	-0.0004	18	-24 49 22.11	0.007	18	0.34	2.907	16	33.4	22.23	16	33.4	M3	M	14	9223	E -2410191
39		9.6R	8 6.406	0.0021	18	-24 28 51.02	0.035	18	0.34	6.370	16	33.4	51.60	16	33.4	G5	M	14	9224	E -2410193
40		9.5R	8 14.742	0.0002	20	-27 28 18.20	-0.009	20	0.36	14.738	16	33.4	18.05	16	33.4	F5	J	13B	7891	J -27 8538
41		7.4T	8 17.118	-0.0015	11	-27 47 20.73	-0.028	10	0.59	17.196	18	97.1	19.17	16	94.8	K0		GC	16632	C -27 8539
42		8.0R	8 20.175	-0.0058	20	-29 53 12.38	0.000	20	0.36	20.271	16	33.4	12.38	16	33.4	K0	J	13B	7893	J -29 9591
43		8.5R	8 21.578	-0.0039	20	-28 4 9.99	-0.056	20	0.36	21.643	16	33.4	10.91	16	33.4	K2	J	13B	7894	J -27 8541
44		9.4R	8 21.647	-0.0041	20	-27 29 57.92	-0.013	20	0.36	21.714	16	33.4	57.70	16	33.4	G5	J	13B	7895	J -27 8540
45		8.6A	8 24.951	-0.0017	17	-20 37 40.58	-0.028	13	0.30	24.979	16	33.4	40.12	16	33.4	G5	J	13A	5290	A -20 3587
46		5.4T	8 29.091	-0.0047	04	-23 19 26.24	-0.021	04	0.18	29.290	07	07.5	25.25	09	03.7	A2		GC	16638	B*-22 3355
47		9.1R	8 37.846	-0.0004	18	-24 34 5.81	0.013	18	0.34	37.852	16	33.4	6.03	16	33.4	A3	J	14	9227	E -2410198
48		9.3R	8 54.272	-0.0044	17	-28 34 34.51	0.039	17	0.32	54.345	16	33.4	35.15	16	33.4	F8	J	13B	7898	J -28 9353
49		7.9R	8 58.165	-0.0020	12	-26 47 34.23	0.002	12	0.25	58.198	16	33.4	34.26	16	33.4	M1	M	14	9228	E -26 9015
50		8.3A	9 1.670	-0.0009	13	-21 50 59.17	-0.006	09	0.25	1.684	16	33.4	59.07	16	33.4	M1	J	13A	5294	A -21 3490
51		9.4R	12 9 2.290	-0.0028	18	-23 29 21.92	-0.007	18	0.34	2.337	16	33.4	21.80	16	33.4	A2	J	14	9229	E -2310414
52		8.8R	9 3.541	0.0015	15	-28 15 29.03	-0.032	15	0.30	3.516	16	33.4	28.49	16	33.4	K0	M	13B	7899	J -27 8549
53		9.1R	9 4.782	0.0008	12	-28 14 11.58	-0.037	12	0.25	4.768	16	33.4	10.96	16	33.4	G5	M	13B	7900	J -27 8550
54		9.5R	9 9.068	-0.0008	15	-28 23 34.67	-0.008	15	0.30	9.082	16	33.4	34.53	16	33.4	G0	J	13B	7902	J -27 8551
55		8.5R	9 11.376	-0.0016	20	-29 7 9.04	-0.004	20	0.36	11.403	16	33.4	8.97	16	33.4	F5	J	13B	7903	J -28 9356
56		7.4R	9 23.760	0.0006	12	-25 39 47.64	-0.010	12	0.25	23.747	16	33.4	47.48	16	33.4	K2	J	14	9231	E -25 9091
57		9.0R	9 39.072	-0.0005	12	-26 18 24.98	-0.025	12	0.25	39.081	16	33.4	24.57	16	33.4	G0	J	14	9232	E -25 9093
58		9.2R	9 40.460	0.0010	18	-22 44 47.82	0.005	18	0.34	40.444	16	33.4	47.90	16	33.4	K0	M	14	9233	E -22 9313
59		9.5R	9 43.579	-0.0018	20	-23 47 42.96	0.030	20	0.36	43.609	16	33.4	43.46	16	33.4	G0	M	14	9234	E -2310420
60		9.1R	9 49.011	-0.0002	18	-22 34 57.69	0.040	18	0.34	49.015	16	33.4	58.35	16	33.4	G0	J	14	9235	E -22 9315
61		9.4R	9 50.840	0.0007	15	-24 36 53.38	0.015	15	0.30	50.828	16	33.4	53.62	16	33.4	K2	M	14	9236	E -2410210
62		8.8R	9 52.106	-0.0005	15	-25 35 4.51	-0.016	15	0.30	52.113	16	33.4	4.24	16	33.4	K0	J	14	9237	E -25 9096
63		8.6R	10 3.745	-0.0075	15	-22 32 25.84	0.039	15	0.30	3.869	16	33.4	26.49	16	33.4	K0	J	14	9238	E -22 9317
64		8.7R	10 6.039	0.0006	12	-25 32 34.39	0.032	12	0.25	6.029	16	33.4	34.91	16	33.4	A0	J	14	9239	E -25 9098
65		9.2R	10 15.723	-0.0012	17	-29 19 52.46	0.020	17	0.32	15.742	16	33.4	52.79	16	33.4	G0	J	13B	7908	J -28 9361
66		9.0R	10 17.578	-0.0011	18	-24 33 0.29	-0.000	18	0.34	17.596	16	33.4	0.28	16	33.4	A2	J	14	9240	E -2410214
67		8.9R	10 19.481	-0.0031	18	-24 13 22.17	-0.035	18	0.34	19.534	16	33.4	21.59	16	33.4	K0	J	14	9241	E -2310425
68		9.5T	10 23.839	-0.0032	13	-27 13 46.37	0.014	10	0.61	23.991	22	02.6	47.06	22	00.0	F5		GC	16686	C -26 9027
69		9.0R	10 29.600	-0.0067	18	-27 3 15.11	-0.016	18	0.34	29.712	16	33.4	14.84	16	33.4	K0	J	14	9244	E -26 9028
70		8.4A	10 33.526	-0.0022	11	-20 27 31.71	0.003	09	0.23	33.562	16	33.4	31.75	16	33.4	M2	J	13A	5304	A -19 3434
71		8.3R	10 34.365	-0.0038	12	-29 18 8.25	-0.009	12	0.25	34.427	16	33.4	8.10	16	33.4	M2	M	13B	7911	J -28 9365
72		9.4R	10 35.187	-0.0012	20	-27 39 19.48	0.019	20	0.36	35.207	16	33.4	19.79	16	33.4	G0	J	13B	7912	J -27 8563
73		9.2R	10 39.057	-0.0004	12	-28 31 46.43	0.027	12	0.25	39.063	16	33.4	46.87	16	33.4	K0	M	13B	7913	J -28 9366
74		9.4R	10 43.900	-0.0066	20	-24 14 19.49	-0.032	20	0.36	44.009	16	33.4	18.96	16	33.4	G5	M	14	9245	E -2310429
75		9.3R	10 44.717	-0.0020	20	-26 41 53.61	0.010	20	0.36	44.749	16	33.4	53.77	16	33.4	K0	J	14	9246	E -26 9031
76		9.1R	10 47.400	-0.0004	20	-28 18 45.95	-0.015	20	0.36	47.408	16	33.4	45.70	16	33.4	A3	J	13B	7914	J -27 8567
77		8.5A	10 56.292	-0.0006	17	-20 38 30.93	-0.014	13	0.30	56.302	16	33.4	30.69	16	33.4	G5	J	13A	5305	A -20 3598
78		8.1A	10 59.965	-0.0021	17	-20 47 46.29	0.003	13	0.30	+00.000	16	33.4	46.33	16	33.4	K0	J	13A	5306	A -20 3599
79		9.5R	11 1.621	-0.0001	18	-25 9 11.57	0.004	18	0.34	1.623	16	33.4	11.63	16	33.4	K0	M	14	9247	E -2410220
80		8.7Q	11 1.892	-0.0032	10	-21 21 23.75	-0.003	08	0.47	2.042	18	02.4	23.59	17	97.4	K5		GC	16697	-20 3600
81		9.3R	11 2.852	0.0024	20	-29 49 12.31	-0.045	20	0.36	2.811	16	33.4	11.57	16	33.4	G5	J	13B	7915	J -29 9621
82		7.9T	11 5.098	-0.0014	09	-27 2 35.93	-0.000	07	0.48	5.173	18	96.3	35.92	15	94.3	F5		GC	16699K	C*-26 9034
83		9.5R	11 6.054	-0.0017	18	-23 7 56.85	0.024	18	0.34	6.082	16	33.4	57.25	16	33.4	F5	M	14	9250	E -22 9324
84		8.8R	11 9.178	-0.0012	18	-24 40 0.53	0.022	18	0.34	9.198	16	33.4	0.91	16	33.4	F8	J	14	9251K	E -2410222
85		9.1R	11 10.035	-0.0026	15	-23 58 11.17	0.005	15	0.30	10.079	16	33.4	11.25	16	33.4	K0	J	14	9252	E -2310431
86		8.0A	11 10.249	-0.0105	17	-20 2 56.31	0.020	13	0.30	10.424	18	33.4	56.64	16	33.4	F2	J	12B	5308	A -19 3437
87		8.2R	11 10.625	0.0015	18	-25 4 18.18	0.006	18	0.34	10.600	16	33.4	18.27	16	33.4	K2	J	14	9253	E -2410223
88		8.8R	11 12.681	-0.0002	12	-26 17 13.20	0.009	12	0.25	12.685	16	33.4	13.34	16	33.4	K2	J	14	9254	E -25 9108
89		9.1R	11 25.844	-0.0005	15	-26 45 21.18	-0.003	15	0.30	25.853	16	33.4	21.12	16	33.4	F5	J	14	9255	E -26 9038
90		8.7R	11 35.329	-0.0045	20	-29 54 33.13	-0.044	20	0.36	39.403	16	33.4	32.40	16	33.4	K0	J	13B	7918	J -29 9624
91		8.8R	11 37.936	-0.0069	12	-27 58 27.02	0.025	12	0.25	38.051	16	33.4	27.43	16	33.4	A3	J	13B	7919	J -27 8575
92		9.1R	11 41.844	-0.0040	15	-23 45 53.33	0.025	15	0.30	41.911	16	33.4	53.75	16	33.4	K0	M	14	9256	E -2310436
93		8.5T	11 42.628	0.0003	16	-25 50 57.51	-0.055	09	0.66	42.615	22	03.5	54.57	21	96.5	K2		GC	16714	C -25 9113
94		8.9R	11 49.254	-0.0011	15	-24 43 25.42	-0.019	15	0.30	49.272	16	33.4	25.11	16	33.4	K5	J	14	9258	E -2410233
95		8.9R	11 59.675	-0.0035	17	-25 34 55.88	0.047	17	0.32	59.733	16	33.4	56.66	16	33.4	K2	J	14	9259	E -25 9116
96		8.6R	12 4.536	-0.0016	15	-25 56 52.05	0.008	15	0.30	4.562	16	33.4	52.18	16	33.4	F8	J	14	9260	E -25 9117
97		9.5T	12 4.574	0.0012	18	-28 40 19.03	-0.015	15	0.83	4.516	22	03.4	18.26	21	00.0	G5		GC	16718	C -28 9376
98		7.5T	12 7.646	-0.0217	15	-24 29 50.77	-0.082	16	0.77	8.712	17	00.9	46.79	18	01.3	K0		GC	16720K	C -2410236
99		9.0A	12 12.181	-0.0010	13	-22 6 50.65	0.005	09	0.25	12.197	16	33.4	50.74	16	33.4	K0	J	13A	5314	A -21 3494
00		8.9A	12 20.119	-0.0082	17	-21 14 44.91	0.031	13	0.30	20.256	16	33.4	45.43	16	33.4	G0	J	13A	5315	A -20 3605

180600

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ s	σ_μ .001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ .001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ .01	ep.	δ_2 ″	σ' .01	ep.	SP.	CAT.	STAR NUMBER	DM NUMBER
1		9.6R	12 12 23.175	-0.0044	18	-25 12 39.73	-0.018	18	0.34	23.103	16	33.4	39.43	16	33.4	F8 M	14	9262	E -2410238
2		6.0T	12 24.309	-0.0001	06	-20 33 58.93	-0.001	05	0.25	24.311	10	10.3	58.89	12	07.5	G5	GC	16723	-20 3696
3		9.6R	12 30.028	0.0012	15	-22 35 20.66	-0.022	15	0.30	30.009	16	33.4	20.29	16	33.4	K M	14	9263	E -22 9334
4		6.5T	12 30.509	-0.0021	06	-28 57 32.32	-0.028	07	0.30	30.607	10	04.4	31.00	12	03.5	K0	GC	16727	C*-28 9379
5		8.7R	12 41.693	-0.0003	12	-25 34 24.90	-0.007	12	0.25	41.698	16	33.4	24.79	16	33.4	K0 J	14	9264	E -25 9121
6		9.0R	12 42.252	-0.0003	20	-26 46 56.32	-0.024	20	0.36	42.257	16	33.4	55.91	16	33.4	G5 J	14	9265	E -26 9048
7		9.1R	12 43.899	0.0009	18	-22 50 45.16	0.065	18	0.34	43.884	16	33.4	46.24	16	33.4	F8 M	14	9266	E -22 9337
8		9.2R	12 51.271	0.0039	20	-28 35 59.41	0.004	20	0.36	51.206	16	33.4	59.47	16	33.4	K0 J	13B	7929	J -28 9382
9		9.1R	12 51.343	-0.0033	20	-23 30 26.06	0.001	20	0.36	51.398	16	33.4	26.08	16	33.4	A2 J	14	9267	E -2310444
10		8.5R	12 52.770	0.0001	20	-27 21 8.21	0.035	20	0.36	52.768	16	33.4	8.79	16	33.4	F0 J	13B	7930	J -26 9051
11		9.2R	12 58.514	0.0017	17	-29 0 49.96	-0.001	17	0.32	58.485	16	33.4	49.94	16	33.4	K J	13B	7932	J -28 9383
12		9.0R	12 58.890	-0.0007	21	-28 57 38.40	-0.024	21	0.38	58.902	16	33.4	38.00	16	33.4	K2 J	13B	7933	J -28 9384
13		9.4R	13 0.686	-0.0038	15	-22 46 57.90	-0.048	15	0.30	0.749	16	33.4	57.10	16	33.4	G0 M	14	9268	E -22 9341
14		7.0T	13 1.427	-0.0026	16	-20 15 6.62	0.035	15	0.79	1.549	24	02.7	8.36	22	99.8	K0	GC	16737	-19 3445
15		9.0R	13 2.698	-0.0025	17	-28 1 38.65	0.002	17	0.32	2.741	16	33.4	38.68	16	33.4	F8 J	13B	7934	J -27 8586
16		9.1R	13 3.011	-0.0026	18	-22 37 27.84	-0.013	18	0.34	3.054	16	33.4	27.62	16	33.4	K M	14	9269	E -22 9342
17		6.5R	13 11.099	0.0002	18	-23 4 31.81	-0.047	18	0.34	11.095	16	33.4	31.03	16	33.4	F5 J	14	9270	E*-22 9344
18		8.8R	13 11.251	-0.0031	12	-25 55 48.11	0.014	12	0.25	11.302	16	33.4	48.34	16	33.4	K0 J	14	9271	E -25 9125
19		6.4T	13 11.272	0.0027	15	-23 4 31.42	-0.035	12	0.73	11.129	19	97.2	29.63	15	99.4	F5	GC	16739K	B*-22 3322
20		7.8A	13 13.461	-0.0038	17	-21 46 41.68	0.029	13	0.30	13.523	16	33.4	42.17	16	33.4	K2 J	13A	5323	A -21 3497
21		9.0A	13 14.834	-0.0016	17	-21 40 41.10	-0.011	13	0.30	14.860	16	33.4	40.92	16	33.4	K2 J	13A	5324	A -21 3498
22		9.2R	13 15.545	0.0052	12	-23 33 57.49	-0.024	12	0.25	15.460	16	33.4	57.09	16	33.4	G5 J	14	9272	E -2310448
23		9.2R	13 16.186	-0.0004	20	-24 17 15.85	-0.024	20	0.36	16.194	16	33.4	15.45	16	33.4	G5 M	14	9273	E -2310447
24		9.1R	13 20.180	-0.0039	15	-26 41 57.93	-0.015	15	0.30	20.245	16	33.4	57.68	16	33.4	G5 J	14	9275	E -26 9058
25		9.1A	13 20.831	-0.0030	17	-21 32 3.77	0.027	13	0.30	20.880	16	33.4	4.22	16	33.4	K2 J	13A	5325	A -21 3500
26		9.0A	13 21.824	-0.0006	17	-22 13 22.45	-0.002	13	0.30	21.834	16	33.4	22.42	16	33.4	K2 J	13A	5326	A -21 3501
27		8.4R	13 24.166	-0.0009	12	-26 17 9.55	-0.020	12	0.25	24.181	16	33.4	9.22	16	33.4	F5 J	14	9276	E -25 9131
28		8.2T	13 26.940	-0.0016	12	-29 20 45.22	-0.008	13	0.66	27.024	17	99.3	44.78	19	97.8	A0	GC	16746K	C -28 9389
29		9.1R	13 27.612	0.0029	20	-26 19 11.62	0.039	20	0.36	27.564	16	33.4	12.26	16	33.4	G0 J	14	9277	E -25 9132
30		9.0R	13 30.818	-0.0054	15	-23 50 7.92	-0.029	15	0.30	30.908	16	33.4	7.44	16	33.4	F8 J	14	9278	E -2310449
31		9.7R	13 34.900	-0.0027	17	-22 46 20.69	-0.014	17	0.32	34.945	16	33.4	20.46	16	33.4	G M	14	9279	E -22 9348
32		9.5R	13 36.623	-0.0027	18	-22 33 9.50	-0.011	18	0.34	36.668	16	33.4	9.32	16	33.4	F8 J	14	9280	E -22 9349
33		8.2R	13 38.058	-0.0013	18	-27 9 24.64	-0.083	18	0.34	38.079	16	33.4	23.26	16	33.4	K2 J	14	9281	E -26 9060
34		9.2A	13 40.869	-0.0026	17	-20 37 17.17	-0.002	13	0.30	40.912	16	33.4	17.13	16	33.4	K5 J	13A	5327	A -20 3610
35		8.5R	13 42.179	-0.0056	18	-27 40 24.65	-0.013	18	0.34	42.272	16	33.4	24.43	16	33.4	F8 J	13B	7943	J -27 8593
36		8.2R	13 42.311	-0.0043	20	-26 49 30.07	-0.003	20	0.36	42.383	16	33.4	30.02	16	33.4	A0 J	14	9282	E -26 9061
37		8.8R	13 42.657	0.0007	15	-25 55 35.93	-0.011	15	0.30	42.645	16	33.4	35.74	16	33.4	K0 J	14	9283	E -25 9134
38		9.5R	13 42.855	0.0038	18	-22 32 14.72	-0.002	18	0.34	42.792	16	33.4	14.69	16	33.4	G0 M	14	9284	E -22 9350
39		8.5R	14 8.013	-0.0004	18	-24 59 30.72	-0.002	18	0.34	8.020	16	33.4	30.70	16	33.4	K5 J	14	9285	E -2410253
40		8.7R	14 9.358	-0.0015	12	-28 41 50.01	0.003	12	0.25	9.382	16	33.4	50.06	16	33.4	A5 J	13B	7948	J -28 9393
41		9.0A	14 14.892	-0.0017	17	-20 43 37.38	-0.002	13	0.30	14.920	16	33.4	37.35	16	33.4	F2 J	13A	5328	A -20 3613
42		7.5R	14 15.683	0.0009	12	-26 19 12.57	-0.045	12	0.25	15.668	16	33.4	11.82	16	33.4	K0 J	14	9286	E -25 9140
43		8.7R	14 25.860	-0.0008	12	-25 41 51.63	0.029	12	0.25	25.874	16	33.4	52.11	16	33.4	K0 J	14	9287	E -25 9143
44		9.7R	14 27.065	-0.0027	20	-23 11 59.22	-0.014	20	0.36	27.111	16	33.4	58.99	16	33.4	G M	14	9289	E -22 9353
45		9.0R	14 29.774	-0.0023	15	-25 27 21.33	0.013	15	0.30	29.813	16	33.4	21.54	16	33.4	K0 J	14	9290	E -25 9145
46		9.0A	14 30.267	-0.0017	17	-20 34 6.38	0.014	13	0.30	30.296	16	33.4	6.62	16	33.4	K2 J	13A	5329	A -20 3614
47		8.5R	14 30.546	-0.0013	15	-26 52 38.35	-0.046	15	0.30	30.525	16	33.4	37.58	16	33.4	F0 J	14	9291	E -26 9069
48		9.0A	14 48.813	-0.0074	17	-20 46 42.07	-0.166	13	0.30	48.937	16	33.4	39.31	16	33.4	K0 J	13A	5331	A -20 3615
49		9.4R	14 50.011	-0.0083	18	-27 14 7.65	-0.013	18	0.34	50.148	16	33.4	7.43	16	33.4	K0 M	14	9292	E -26 9072
50		9.5R	14 52.999	-0.0001	15	-25 11 18.96	-0.007	15	0.30	53.000	16	33.4	18.84	16	33.4	G5 M	14	9293	E -2410260
51		9.2R	12 14 55.069	0.0019	15	-23 13 20.51	-0.012	15	0.30	55.038	16	33.4	20.31	16	33.4	A3 J	14	9294	E -22 9359
52		9.6R	14 56.881	-0.0117	18	-24 15 43.29	0.031	18	0.34	57.076	16	33.4	43.81	16	33.4	K0 M	14	9295	E -2310464
53		9.4R	14 57.081	-0.0285	22	-23 44 26.72	-0.025	22	0.41	57.555	16	33.4	26.31	16	33.4	K7 M	14	9296	E -2310465
54		9.3R	15 3.536	-0.0043	18	-27 25 34.72	-0.033	18	0.34	3.607	16	33.4	34.17	16	33.4	G0 J	13B	7950	J -27 8606
55		8.6A	15 4.197	-0.0025	15	-21 40 37.56	-0.050	11	0.27	4.239	16	33.4	36.73	16	33.4	K2 J	13A	5332	A -21 3504
56		9.2R	15 7.710	0.0017	15	-28 18 31.67	-0.000	15	0.30	7.683	16	33.4	31.67	16	33.4	A2 J	13B	7951	J -27 8607
57		7.8R	15 10.737	0.0005	12	-27 59 35.58	-0.047	12	0.25	10.730	16	33.4	34.80	16	33.4	K0 J	13B	7953	J -27 8608
58		8.1A	15 15.321	-0.0047	15	-20 35 10.33	-0.011	11	0.27	15.400	16	33.4	10.15	16	33.4	K0 J	13A	5333	A -20 3617
59		9.1R	15 15.949	-0.0002	15	-26 44 27.42	-0.016	15	0.30	15.952	16	33.4	27.15	16	33.4	K2 J	14	9297	E -26 9079
60		9.1R	15 18.073	0.0018	18	-23 1 55.19	-0.350	18	0.34	18.043	16	33.4	49.37	16	33.4	K M	14	9298	E -22 9362
61		8.4R	15 18.966	-0.0007	12	-29 20 33.66	-0.001	12	0.25	18.978	16	33.4	33.64	16	33.4	G0 J	13B	7954	J -28 9403
62		6.9T	15 19.620	-0.0035	12	-23 44 8.70	-0.003	12	0.65	19.804	18	97.6	8.55	18	97.4	B9	GC	16774K	C*-2310471
63		9.6R	15 29.793	-0.0042	15	-25 44 5.88	0.016	15	0.30	29.862	16	33.4	6.15	16	33.4	F8 M	14	9300	E -25 9157
64		9.3R	15 45.494	0.0021	15	-24 46 59.15	-0.036	15	0.30	45.460	16	33.4	58.56	16	33.4	G0 J	14	9301	E -2410268
65		8.6R	15 46.203	-0.0008	18	-22 40 14.65	0.011	18	0.34	46.216	16	33.4	14.83	16	33.4	K2 J	14	9302	E -22 9364
66		7.8A	15 51.022	-0.0011	17	-20 31 55.10	-0.012	13	0.30	51.040	16	33.4	54.90	16	33.4	M0 J	13A	5338	A -20 3619
67		8.8A	15 54.232	-0.0020	17	-22 4 38.48	0.001	13	0.30	54.265	16	33.4	38.50	16	33.4	K5 J	13A	5339	A -21 3505
68		9.3R	15 56.470	-0.0007	18	-23 26 3.43	-0.017	18	0.34	56.482	16	33.4	3.14	16	33.4	K0 M	14	9303	E -2310476
69		9.0R	15 58.878	-0.0035	12	-26 17 18.70	0.008	12	0.25	58.936	16	33.4	18.84	16	33.4	F8 J	14	9304	E -25 9159
70		8.8R	16 1.809	-0.0017	18	-23 51 14.52	-0.017	18	0.34	1.837	16	33.4	14.24	16	33.4	K2 J	14	9305	E -2310477
71		9.2R	16 2.345	-0.0030	15	-22 44 11.43	-0.012	15	0.30	2.395	16	33.4	11.23	16	33.4	G0 J	14	9306	E -22 9370
72		9.3R	16 3.463	-0.0050	20	-29 56 58.17	-0.021	20	0.36	3.546	16	33.4	57.83	16	33.4	G5 J	13B	7957	J -29 9657
73		7.9R	16 11.496	-0.0008	20	-29 40 58.42	-0.051	20	0.36	11.509	16	33.4	57.58	16	33.4	F8 J	13B	7959	J -29 9658
74		8.6A	16 19.150	-0.0013	17	-21 14 38.45	-0.008	13	0.30	19.171	16	33.4	38.32	16	33.4	K2 J	13A	5341	A -20 3621
75		8.6R	16 20.190	0.0057	12	-25 57 45.31	-0.150	12	0.25	20.095	16	33.4	42.82	16	33.4	G5 J	14	9308	E -25 9163
76		9.1T	16 25.972	-0.0012	13	-22 36 39.47	-0.023	12	0.67	26.030	21	00.9	38.27	21	98.4	K5	GC	16793	-22 3337
77		9.4R	16 27.681	0.0045	18	-25 24 11.76	-0.007	18	0.34	27.606	16	33.4	11.64	16	33.4	A0 J	14	9310	E -2410272
78		9.0R	16 30.555	-0.0001	12	-23 26 25.54	-0.020	12	0.25	30.556	16	33.4	25.21	16	33.4	K0 J	14	9311	E -2310483
79		9.4R	16 41.442	0.0004	15	-23 3 51.09	0.011	18	0.32	41.435	16	33.4	51.27	16	33.4	G M	14	9312	E -22 9377
80		8.5T	16 50.788	0.0047	14	-25 49 42.51	-0.103	10	0.64	50.563	22	01.9	37.13	21	97.8	G5	GC	16801	C -25 9167
81		9.0R	16 52.529	0.0072	18	-22 50 50.10	-0.061	18	0.34	52.410	16	33.4	49.09	16	33.4	G5 J	14	9314	E -22 9378
82		9.2R	16 55.531	0.0025	18	-23 43 39.81	-0.022	18	0.34	55.490	16	33.4	39.45	16	33.4	A2 J	14	9315	E -2310488
83		9.3R	16 56.378	0.0024	12	-29 35 2.76	-0.032	12	0.25	56.337	16	33.4	2.24	16	33.4	G0 J	13B	7965	J -29 9668
84		9.4R	16 56.673	-0.0004	18	-25 4 11.24	-0.095	18	0.34	56.680	16	33.4	9.66	16	33.4	G5 J	14	9316	E -2410277
85		8.9R	17 5.350	0.0028	15	-23 9 18.20	0.009	15	0.30	5.302	16	33.4	18.35	16	33.4	A3 J	14	9317	E -22 9383
86		8.7A	17 8.373	-0.0097	15	-20 4 41.39	-0.028	11	0.27	8.535	18	33.3	40.92	16	33.3	K0 J	12B	5349	A -19 3458
87		9.1R	17 15.055	-0.0005	12	-25 55 22.40	-0.000	12	0.25	15.062	16	33.4	22.40	16	33.4	K2 J	14	9318	E -25 9170
88		8.6A	17 18.646	-0.0009	17	-21 54 31.82	-0.019	13	0.30	18.660	16	33.4	31.51	16	33.4	K2 J	13A	5350	A -21 3508
89		6.8T	17 19.018	-0.0039	12	-26 27 32.98	-0.018	12	0.67	19.227	15	96.7	31.99	15	95.3	K5	GC	16810	C -26 9090
90		8.7A	17 20.361	-0.0033	17	-21 12 56.15	-0.035	13	0.30	20.416	16	33.4	55.57	16	33.4	F8 J	13A	5352	A -20 3624
91		8.0T	17 23.111	-0.0045	11	-28 14 51.54	-0.034	09	0.55	23.336	21	99.5	49.81	19	99.4	F8	GC	16816	C -27 8623
92		8.0R	17 23.890	0.0005	17	-28 45 22.74	-0.001	17	0.32	23.881	16	33.4	22.72	16	33.4	K5 J	13B	7969	J -28 9421
93		8.5R	17 28.902	-0.0038	12	-25 17 12.45	-0.000	12	0.25	28.966	16	33.4	12.44	16	33.4	F8 J	14	9320K	E -2410281
94		8.8R	17 29.360	-0.0006	18	-22 54 0.95	0.013	18	0.34	29.370	16	33.4	1.17	16	33.4	K0 J	14	9321	E -22 9385
95		6.1T	17 35.131	-0.0080	07	-21 53 51.98	-0.030	06	0.42	35.581	15	93.9	50.20	14	90.4	G5	GC	16822K	B*-21 3511
96		9.6R	17 43.754	-0.0041	20	-23 25 26.81	0.055	20	0.36	43.822	16	33.4	27.72	16	33.4	K M	14	9322	E -22 9388
97		9.6R	17 51.083	-0.0006	20	-23 23 17.40	-0.009	20	0.36	51.094	16	33.4	17.25	16	33.4	K0 M	14	9323	E -22 9390
98		9.1R	17 53.321	-0.0121	15	-24 21 52.23	0.023	15	0.30	53.521	16	33.4	52.61	16	33.4	G5 J	14	9324	E -2310498
99		8.0R	17 54.351	0.0010	20	-28 59 59.65	-0.039	20	0.36	54.335	16	33.4	59.00	16	33.4	K0 J	13B	7971	J -28 9429
00		5.3T	17 58.019	-0.0070	05	-21 56 17.08	-0.033	04	0.25	58.338	12	04.6	15.37	12	97.9	B8	GC	16830K	B*-21 3514

-20° 12H

180700

EPOCH 1950 — ORIGINAL EPOCH — SOURCE — -20° 12H

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	σ'_μ ″.001	σ_{1950} ″	α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.		SOURCE CAT.	SOURCE STAR NUMBER	DM NUMBER
1		8.5R	12 17 59.504	0.0034	15	-27 32 13.52	-0.028	15	0.30	59.448	16	33.4	13.98	16	33.4	A3	J	13B	7973	J -27 8627
2		9.0R	18 0.244	-0.0018	20	-28 42 16.32	-0.017	20	0.36	0.273	16	33.4	16.03	16	33.4	F5	J	13B	7974	J -28 9432
3		8.8R	18 2.449	0.0009	20	-28 45 48.25	-0.002	20	0.36	2.434	16	33.4	48.21	16	33.4	K0	J	13B	7975	J -28 9434
4		8.9A	18 12.792	-0.0030	11	-22 3 0.16	-0.008	09	0.23	12.842	16	33.4	0.03	16	33.4	K2	J	13A	5358	A -21 3518
5		8.8R	18 16.171	0.0012	12	-26 21 35.28	-0.023	12	0.25	16.151	16	33.4	34.89	16	33.4	K2	J	14	9325	E -25 9181
6		9.0R	18 17.458	-0.0022	20	-28 57 44.89	-0.057	20	0.36	17.494	16	33.4	43.94	16	33.4	A2	J	13B	7977	J -28 9436
7		9.2R	18 24.815	0.0001	17	-28 54 22.50	0.007	17	0.32	24.813	16	33.4	22.61	16	33.4	K0	J	13B	7979	J -28 9438
8		9.4R	18 30.451	-0.0029	18	-23 44 27.51	0.003	18	0.34	30.500	16	33.4	27.56	16	33.4	F8	M	14	9326	E -2310503
9		9.2R	18 32.160	-0.0019	20	-28 59 44.61	0.039	20	0.36	32.193	16	33.4	45.25	16	33.4	G0	J	13B	7981	J -28 9440
10		8.6R	18 34.953	-0.0028	15	-23 23 35.16	0.013	15	0.30	34.999	16	33.4	35.37	16	33.4	F5	J	14	9327	E -22 9399
11		7.6R	18 39.626	-0.0032	12	-26 27 18.14	-0.012	12	0.25	39.679	16	33.4	17.94	16	33.4	K2	J	14	9328	E -26 9098
12		9.3R	18 41.573	0.0009	12	-25 27 0.27	-0.003	12	0.25	41.558	16	33.4	0.22	16	33.4	K0	M	14	9329	E -25 9187
13		9.6R	18 44.734	-0.0010	15	-22 48 53.25	0.028	15	0.30	44.751	16	33.4	53.71	16	33.4	G0	J	14	9330	E -22 9400
14		8.0R	18 46.161	-0.0036	20	-29 26 45.71	-0.010	20	0.36	46.220	16	33.4	45.54	16	33.4	K0	J	13B	7984	J -29 9684
15		9.1A	18 46.834	-0.0066	17	-20 7 25.83	0.008	13	0.30	46.944	18	33.3	25.96	16	33.3	F8	J	12B	5361	A -19 3470
16		8.9A	18 52.937	-0.0015	17	-22 9 31.36	-0.009	13	0.30	52.962	16	33.4	31.21	16	33.4	K0	J	13A	5362	A -21 3522
17		9.6R	18 54.841	0.0004	18	-24 40 7.22	-0.017	18	0.34	54.834	16	33.4	6.93	16	33.4	G5	M	14	9331	E -2410290
18		8.2R	19 2.032	-0.0073	15	-26 59 44.62	-0.021	15	0.30	2.153	16	33.4	44.27	16	33.4	F5	J	14	9333K	E -26 9100
19		7.5R	19 5.345	0.0006	18	-22 36 41.15	0.021	18	0.34	5.336	16	33.4	41.50	16	33.4	K2	J	14	9334	E -22 9403
20		9.6R	19 9.801	0.0042	18	-27 52 8.72	0.003	18	0.34	9.731	16	33.4	8.77	16	33.4	F8	J	13B	7987	J -27 8636
21		9.2A	19 10.133	-0.0096	17	-21 47 5.50	-0.019	13	0.30	10.293	16	33.4	5.19	16	33.4	G5	J	13A	5364	A -21 3525
22		9.4R	19 13.341	0.0000	20	-23 3 8.85	-0.002	20	0.36	13.341	16	33.4	8.82	16	33.4	K0	M	14	9335	E -22 9406
23		9.4A	19 16.416	0.0003	13	-21 23 12.23	0.012	09	0.25	16.411	16	33.4	12.43	16	33.4	G0	J	13A	5365	A -20 3630
24		9.4R	19 23.855	0.0005	15	-27 32 39.37	0.011	15	0.30	23.848	16	33.4	39.55	16	33.4	G5	M	13B	7989	J -27 8638
25		8.3R	19 24.351	-0.0025	12	-25 38 9.93	-0.004	12	0.25	24.393	16	33.4	9.86	16	33.4	K0	J	14	9336	E -25 9193
26		9.5R	19 27.612	-0.0004	20	-29 23 45.08	-0.012	20	0.36	27.618	16	33.4	44.88	16	33.4	F5	J	13B	7993	J -28 9446
27		8.6R	19 27.776	-0.0003	12	-24 25 12.60	-0.044	12	0.25	27.781	16	33.4	11.87	16	33.4	F0	J	14	9337	E -2310510
28		9.6R	19 36.849	0.0018	20	-27 14 13.81	0.020	20	0.36	36.819	16	33.4	14.14	16	33.4	G0	J	14	9338	E -26 9106
29		9.1R	19 38.391	-0.0047	12	-28 17 22.48	-0.009	12	0.25	38.469	16	33.4	22.33	16	33.4	K5	J	13B	7995	J -27 8640
30		9.6R	19 39.281	-0.0032	20	-24 48 6.76	-0.019	20	0.36	39.335	16	33.4	6.44	16	33.4	F8	M	14	9339	E -2410301
31		9.2R	19 40.436	-0.0090	20	-22 51 20.89	0.029	20	0.36	40.585	16	33.4	21.37	16	33.4	G5	M	14	9340	E -22 9410
32		8.8R	19 45.167	0.0000	18	-24 55 7.52	-0.034	18	0.34	45.167	16	33.4	6.96	16	33.4	K5	J	14	9341	E -2410303
33		7.2R	19 50.206	-0.0028	15	-23 57 33.23	-0.012	15	0.30	50.254	16	33.4	33.03	16	33.4	K0	J	14	9342	E -2310516
34		9.3A	19 53.136	-0.0026	13	-22 10 25.11	0.005	09	0.25	53.179	16	33.4	25.20	16	33.4	F5	J	13A	5366	A -21 3528
35		9.4A	20 3.565	-0.0033	17	-20 59 18.35	-0.011	13	0.30	3.570	16	33.4	18.16	16	33.4	K0	J	13A	5367	A -20 3634
36		8.7R	20 5.870	0.0014	18	-27 29 4.86	0.025	18	0.34	5.846	16	33.4	5.27	16	33.4	K0	J	13B	7996	J -27 8641
37		8.3R	20 6.769	-0.0002	12	-22 58 40.37	-0.000	12	0.25	6.773	16	33.4	40.37	16	33.4	K0	J	14	9343	E -22 9416
38		8.5R	20 14.024	0.0003	12	-25 25 29.04	-0.005	12	0.25	14.019	16	33.4	28.95	16	33.4	A3	J	14	9345	E -25 9201
39		8.8A	20 14.598	-0.0026	15	-20 7 8.70	0.002	11	0.27	14.641	18	33.3	8.72	16	33.3	K7	J	12B	5369	A -19 3473
40		9.5R	20 15.227	-0.0102	13	-22 58 31.76	0.013	13	0.27	15.397	16	33.4	31.97	16	33.4	G5	M	14	9346	E -22 9417
41		9.4A	20 21.724	0.0015	15	-20 44 59.76	-0.036	09	0.26	21.699	16	33.4	59.16	16	33.4	F5	J	13A	5370	A -20 3634
42		6.9T	20 23.646	-0.0039	08	-24 35 41.51	0.022	07	0.46	23.867	15	93.0	42.79	14	90.6	K0		GC	16880	C -2410312
43		9.1R	20 28.627	-0.0010	18	-23 56 46.77	0.034	18	0.34	28.644	16	33.4	47.34	16	33.4	G0	J	14	9349	E -2310521
44		8.6R	20 36.958	0.0000	15	-24 59 49.73	0.035	15	0.30	36.958	16	33.4	50.32	16	33.4	G0	J	14	9350	E -2410313
45		8.6R	20 43.893	-0.0021	12	-26 34 39.96	-0.008	12	0.25	43.928	16	33.4	39.82	16	33.4	M1	M	14	9351	E -26 9114
46		8.9R	20 44.381	-0.0006	12	-29 31 47.62	-0.048	12	0.25	44.390	16	33.4	46.83	16	33.4	K0	J	13B	8000	J -29 9702
47		5.8T	20 44.931	-0.0015	04	-24 33 47.28	-0.015	04	0.23	45.003	09	01.5	46.51	09	00.1	K0		GC	16887	C*-2410314
48		8.1R	20 45.177	-0.0020	12	-26 11 39.50	-0.012	12	0.25	45.210	16	33.4	39.30	16	33.4	A2	J	14	9353	E -25 9212
49		9.1A	20 54.499	-0.0000	17	-20 26 29.58	0.005	13	0.30	54.500	16	33.4	29.66	16	33.4	K7	J	13A	5372	A -19 3477
50		9.7R	20 57.735	-0.0007	18	-24 38 8.49	0.012	18	0.34	57.746	16	33.4	8.70	16	33.4	A3	M	14	9354	E -2410320
51		8.7R	12 20 58.931	-0.0035	18	-22 29 28.50	0.046	18	0.34	58.989	16	33.4	29.27	16	33.4	F8	J	14	9356	E -22 9420
52		8.8R	21 9.869	-0.0033	20	-28 33 6.81	0.033	20	0.36	9.824	16	33.4	7.35	16	33.4	A5	J	13B	8004	J -28 9461
53		8.9R	21 15.891	-0.0006	15	-24 46 7.30	-0.009	15	0.30	15.901	16	33.4	7.16	16	33.4	K0	M	14	9357	E -2410321
54		9.0R	21 16.684	0.0014	12	-29 52 59.59	-0.031	12	0.25	16.660	16	33.4	59.08	16	33.4	K0	J	13B	8006	J -29 9711
55		8.1R	21 27.080	-0.0014	12	-25 44 12.69	0.006	12	0.25	27.102	16	33.4	12.78	16	33.4	K5	J	14	9358	E -25 9216
56		8.7R	21 30.384	-0.0027	18	-23 58 2.44	-0.030	18	0.34	30.428	16	33.4	1.94	16	33.4	F0	J	14	9359	E -2310527
57		8.9A	21 31.945	-0.0009	17	-21 2 57.82	-0.030	13	0.30	31.955	16	33.4	57.31	16	33.4	K0	J	13A	5378	A -20 3639
58		8.7R	21 33.209	0.0035	18	-28 16 42.49	-0.003	18	0.34	33.151	16	33.4	42.44	16	33.4	F8	J	13B	8008	J -27 8655
59		8.6A	21 34.515	-0.0020	17	-21 47 31.31	-0.021	13	0.30	34.544	16	33.4	30.96	16	33.4	F0	J	13A	5379	A -21 3531
60		9.4R	21 34.989	-0.0064	18	-24 15 23.28	-0.073	18	0.34	35.096	16	33.4	22.07	16	33.4	G0	J	14	9360	E -2310528
61		9.2R	21 35.620	0.0027	15	-27 27 26.09	-0.012	15	0.30	35.575	16	33.4	25.88	16	33.4	F8	J	13B	8010	J -27 8656
62		9.0R	21 37.686	-0.0019	20	-28 48 49.29	-0.016	20	0.36	37.717	16	33.4	49.02	16	33.4	K2	J	13B	8012	J -28 9465
63		8.5R	21 38.499	0.0004	18	-22 33 50.08	0.005	18	0.34	38.493	16	33.4	50.16	16	33.4	K2	J	14	9361	E -22 9423
64		8.6R	21 39.854	-0.0008	15	-26 18 24.72	0.005	15	0.30	39.866	16	33.4	24.80	16	33.4	K0	J	14	9362	E -25 9221
65		8.0R	21 41.842	-0.0014	18	-25 16 41.83	-0.004	18	0.34	41.865	16	33.4	41.76	16	33.4	A3	J	14	9363	E -2410322
66		7.9R	21 45.012	-0.0054	18	-24 56 1.55	-0.022	18	0.34	45.103	16	33.4	1.20	16	33.4	F5	J	14	9364	E -2410324
67		9.3R	21 46.174	0.0011	18	-22 31 30.25	0.003	18	0.34	46.156	16	33.4	30.29	16	33.4	M2	M	14	9365	E -22 9424
68		9.4R	21 48.086	0.0012	18	-25 17 39.73	-0.020	18	0.34	48.066	16	33.4	39.39	16	33.4	K0	M	14	9366	E -2410325
69		9.8R	21 59.564	-0.0002	20	-23 12 43.05	0.030	20	0.36	59.568	16	33.4	43.55	16	33.4	F8	M	14	9368	E -22 9425
70		9.2R	21 59.726	-0.0004	20	-27 0 17.17	0.008	20	0.36	59.732	16	33.4	17.30	16	33.4	K0	J	14	9367	E -26 9121
71		8.6R	22 0.480	0.0021	17	-29 57 27.68	0.003	17	0.32	0.444	16	33.4	27.73	16	33.4	K2	J	13B	8015	J -29 9718
72		8.6R	22 2.916	0.0010	17	-28 40 3.69	-0.039	17	0.32	2.901	16	33.4	3.03	16	33.4	K0	J	13B	8016	J -28 9470
73		8.6R	22 3.502	0.0007	15	-23 24 17.81	-0.041	15	0.30	3.490	16	33.4	17.13	16	33.4	K0	J	14	9369	E -22 9426
74		9.0A	22 9.519	-0.0032	17	-20 31 15.59	-0.013	13	0.30	9.572	16	33.4	15.38	16	33.4	G5	J	13A	5383	A -19 3484
75		9.9R	22 10.179	-0.0023	20	-26 50 23.86	0.002	20	0.36	10.216	16	33.4	23.89	16	33.4	K0	J	14	9370	E -26 9124
76		9.0R	22 11.479	0.0021	15	-26 22 48.88	-0.016	15	0.30	11.443	16	33.4	48.61	16	33.4	F8	J	14	9371	E -25 9226
77		8.7R	22 12.844	-0.0017	18	-23 33 30.27	0.008	18	0.34	12.872	16	33.4	30.40	16	33.4	K2	J	14	9372	E -2310529
78		9.4R	22 18.597	0.0020	20	-28 37 20.84	-0.022	20	0.36	18.563	16	33.4	20.47	16	33.4	K2	M	13B	8017	J -28 9474
79		9.4R	22 18.621	-0.0012	15	-24 33 58.44	0.022	15	0.30	18.642	16	33.4	58.80	16	33.4	G0	M	14	9373	E -2410331
80		8.8R	22 23.517	-0.0031	12	-26 15 46.00	0.005	12	0.25	23.568	16	33.4	46.08	16	33.4	K5	J	14	9374	E -25 9228
81		8.7A	22 23.946	-0.0016	17	-21 23 10.77	0.000	13	0.30	23.973	16	33.4	10.77	16	33.4	K0	J	13A	5386	A -20 3642
82		9.0A	22 24.738	-0.0015	17	-20 41 29.78	-0.091	11	0.28	24.763	16	33.4	28.26	16	33.4	K0	J	13A	5387	A -20 3643
83		7.0T	22 37.593	-0.0146	10	-25 42 36.47	0.053	09	0.54	38.359	19	97.6	39.25	15	97.4	F2		GC	16932	C -25 9230
84		8.8A	22 39.260	-0.0001	17	-20 45 28.23	-0.005	13	0.30	39.262	16	33.4	28.15	16	33.4	K5	J	13A	5388	A -20 3644
85		8.7T	22 40.776	-0.0005	13	-24 6 53.36	-0.008	11	0.65	40.801	22	00.8	52.95	22	98.2	K2		GC	16935	C -2310534
86		6.3H	22 40.997	0.0003	03	-27 28 19.79	-0.009	03	0.10	40.990	05	22.2	19.53	05	22.1	K0		F4	1319	C -27 8670
87		7.9R	22 48.000	0.0016	21	-29 44 55.11	-0.034	21	0.38	47.974	16	33.4	54.56	16	33.4	K0	J	13B	8022	J -29 9728
88		8.9R	22 52.720	-0.0023	12	-25 26 1.05	0.005	12	0.25	52.758	16	33.4	1.13	16	33.4	F0	J	14	9378	E -25 9232
89		7.7R	22 59.243	-0.0106	12	-26 32 2.34	-0.058	12	0.25	59.423	16	33.4	1.37	16	33.4	F5	J	14	9379	E -26 9130
90		9.0R	23 0.398	-0.0020	17	-29 29 43.98	0.045	17	0.32	0.431	16	33.4	44.72	16	33.4	G5	J	13B	8024	J -29 9732
91		8.4R	23 2.010	0.0034	18	-22 32 28.96	-0.030	18	0.34	1.954	16	33.4	28.46	16	33.4	K0	J	14	9380	E -22 9435
92		8.2R	23 2.309	0.0042	15	-28 8 27.91	-0.045	15	0.30	2.240	16	33.4	27.16	16	33.4	K0	J	13B	8025	J -27 8675
93		8.4R	23 4.823	0.0020	18	-24 39 26.81	-0.039	18	0.34	4.790	16	33.4	26.17	16	33.4	A5	J	14	9381	E -2410339
94		8.5R	23 6.937	-0.0018	18	-25 17 54.59	-0.140	18	0.34	6.968	16	33.4	52.26	16	33.4	G5	J	14	9382	E -2410340
95		8.4R	23 14.162	-0.0016	20	-29 23 30.62	-0.021	20	0.36	14.189	16	33.4	30.27	16	33.4	F8	J	13B	8026	J -28 9484
96		9.4R	23 24.812	-0.0034	18	-28 13 42.22	-0.024	18	0.34	24.869	16	33.4	41.81	16	33.4	A2	J	13B	8028	J -27 8680
97		8.1R	23 42.522	-0.0031	18	-23 59 41.70	-0.033	18	0.34	42.574	16	33.4	41.15	16	33.4	G5	J	14	9383	E -2310545
98		8.9R	23 46.466	0.0023	15	-24 52 29.77	-0.019	15	0.30	46.428	16	33.4	29.46	16	33.4	K0	J	14	9384	E -2410350
99		8.4R	24 0.758	-0.0043	12	-26 54 24.21	-0.079	12	0.25	0.829	16	33.4	22.89	16	33.4	G5	J	14	9385	E -26 9137
00		9.0R	24 2.231	0.0019	20	-28 33 14.11	-0.014	20	0.36	2.200	16	33.4	13.87	16	33.4	F0	J	13B	8033	J -28 9491

180800			EPOCH 1950								ORIGINAL EPOCH						SP.		SOURCE		-20° 12H
NUMBER	MAGNITUDES		α_{1950}	μ	σ_μ	δ_{1950}	μ'	σ'_μ	σ_{1950}	α_2	σ	ep.	δ_2	σ'	ep.			CAT.	STAR NUMBER	DM NUMBER
	m_{pg}	m_v	h m s	s	″ .001	° ′ ″	″	″ .001	″	s	″ .01		″	″ .01						
1		9.3R	12 24 4.966	0.0037	12	-27 13 18.35	-0.019	12	0.25	4.905	16	33.4	17.98	16	33.4	F8	J	14	9386	E -26 9138
2		9.0T	24 14.764	0.0014	13	-24 29 59.08	-0.009	12	0.67	14.694	19	99.2	58.62	19	97.8	K2		GC	16961	C -2410333
3		8.9R	24 17.537	-0.0035	20	-28 47 18.32	-0.024	20	0.36	17.595	16	33.4	17.92	16	33.4	G5	J	13B	8035	J -28 9497
4		9.7R	24 25.183	-0.0035	20	-24 11 12.90	0.009	20	0.36	25.242	16	33.4	13.05	16	33.4	G0	M	14	9349	E -2310549
5		9.2R	24 25.880	-0.0017	12	-26 30 15.27	0.004	12	0.25	25.909	16	33.4	15.33	16	33.4	M5	M	14	9390	E -26 9142
6		8.0A	24 26.167	-0.0079	15	-22 6 47.60	0.053	11	0.27	26.298	16	33.4	48.49	16	33.4	F8	J	13A	5392	A -21 3541
7		8.4R	24 29.555	-0.0011	15	-27 25 30.59	-0.047	15	0.30	29.572	16	33.4	29.80	16	33.4	K0	J	13B	8036	J -27 8689
8		9.3A	24 32.999	-0.0051	17	-21 26 24.83	-0.020	13	0.30	33.084	16	33.4	24.50	16	33.4			13A	5394	A -20 3647
9		7.5T	24 48.734	-0.0034	09	-28 26 22.99	-0.010	08	0.49	48.916	15	96.0	22.40	17	91.7	F0		GC	16973K	C*-28 9553
10		8.3R	24 49.842	0.0001	20	-29 30 22.80	0.035	20	0.36	49.841	16	33.4	23.38	16	33.4	K2	J	13B	8041	J -29 9747
11		8.0R	24 50.728	-0.0013	21	-29 48 30.43	-0.010	21	0.38	50.750	16	33.4	30.27	16	33.4	F2	J	13B	8042	J -29 9748
12		7.6A	24 53.893	-0.0072	13	-20 57 0.62	0.000	09	0.25	54.012	16	33.4	0.62	16	33.4	K0	J	13A	5397	A -20 3649
13		9.8R	24 55.747	0.0007	22	-24 27 12.89	0.016	22	0.41	55.735	16	33.4	13.16	16	33.4	K2	M	14	9391	E -2410361
14		7.6R	25 3.007	-0.0012	15	-24 27 1.44	-0.037	15	0.30	3.028	16	33.4	0.82	16	33.4	K0	J	14	9392	E -2410362
15		8.7A	25 9.425	-0.0016	17	-22 7 18.35	0.000	13	0.30	9.451	16	33.4	18.35	16	33.4	K2	J	13A	5398	A -21 3544
16		8.5R	25 13.442	-0.0100	18	-25 3 4.96	-0.049	18	0.34	13.608	16	33.4	4.14	16	33.4	G0	J	14	9393	E -2410363
17		8.9R	25 18.266	-0.0049	18	-25 23 18.14	-0.033	18	0.34	18.348	16	33.4	18.69	16	33.4	K2	J	14	9394	E -2410364
18		9.6R	25 21.315	0.0041	15	-26 52 28.43	-0.048	15	0.30	21.247	16	33.4	27.63	16	33.4	K2	M	14	9395	E -26 9149
19		8.3R	25 21.761	-0.0056	20	-29 7 24.04	0.013	20	0.36	21.854	16	33.4	24.25	16	33.4	K0	J	13B	8045	J -28 9509
20		9.6R	25 23.215	0.0017	18	-23 8 3.59	0.010	18	0.34	23.188	16	33.4	3.75	16	33.4	G0	J	14	9396	E -22 9448
21		8.5R	25 27.381	-0.0071	18	-22 57 12.57	-0.017	18	0.34	27.499	16	33.4	12.28	16	33.4	F8	J	14	9397	E -22 9450
22		9.1R	25 30.568	0.0034	18	-22 54 59.84	-0.025	18	0.34	30.512	16	33.4	59.42	16	33.4	G5	M	14	9398	E -22 9451
23		9.4R	25 53.227	0.0002	18	-24 31 51.36	-0.012	18	0.34	53.225	16	33.4	51.15	16	33.4	G5	M	14	9399	E -2410372
24		9.4R	25 56.432	-0.0038	12	-24 46 26.14	-0.027	12	0.25	56.495	16	33.4	25.70	16	33.4	G0	M	14	9400	E -2410373
25		7.7R	26 3.662	0.0019	18	-22 38 49.44	-0.007	18	0.34	3.630	16	33.4	49.32	16	33.4	K2	J	14	9401	E -22 9453
26		9.2R	26 5.736	0.0044	21	-28 51 23.66	-0.039	21	0.38	5.663	16	33.4	23.01	16	33.4	F8	J	13B	8047	J -28 9517
27		8.9A	26 6.899	-0.0015	11	-21 36 31.01	-0.004	09	0.23	6.924	16	33.4	30.95	16	33.4	K2	J	13A	5404	A -21 3545
28		8.7R	26 9.508	-0.0037	15	-26 49 14.09	-0.037	15	0.30	9.569	16	33.4	13.47	16	33.4	F5	J	14	9402	E -26 9152
29		9.2R	26 10.283	-0.0098	12	-25 45 4.29	0.027	12	0.25	10.445	16	33.4	4.73	16	33.4	F8	J	14	9403	E -25 9269
30		8.6R	26 11.640	-0.0077	17	-29 10 38.04	-0.009	17	0.32	11.769	16	33.4	37.89	16	33.4	A3	J	13B	8048	J -28 9518
31		9.4R	26 12.153	0.0029	15	-24 56 15.75	0.002	15	0.30	12.104	16	33.4	15.79	16	33.4	K2	M	14	9404	E -2410377
32		8.9R	26 29.082	-0.0022	18	-22 27 8.06	-0.008	18	0.34	29.118	16	33.4	7.93	16	33.4	G5	J	14	9405	E -22 9455
33		9.0R	26 33.851	0.0010	20	-29 2 58.75	-0.019	20	0.36	33.835	16	33.4	58.43	16	33.4	K0	J	13B	8050	J -28 9522
34		9.3R	26 40.173	0.0021	20	-24 40 22.71	-0.000	20	0.36	40.139	16	33.4	22.70	16	33.4	K0	M	14	9406	E -2410382
35		8.4R	26 45.910	-0.0009	20	-29 10 3.97	0.014	20	0.36	45.924	16	33.4	4.20	16	33.4	A3	J	13B	8052	J -28 9525
36		8.7R	26 49.790	0.0037	12	-26 1 48.20	-0.036	12	0.25	49.729	16	33.4	47.60	16	33.4	F5	J	14	9407	E -25 9276
37		8.9A	26 50.671	-0.0024	17	-21 7 26.31	0.016	13	0.30	50.711	16	33.4	26.58	16	33.4	K2	J	13A	5405	A -20 3655
38		9.6R	26 57.365	-0.0022	18	-22 54 56.42	-0.012	18	0.34	57.402	16	33.4	56.22	16	33.4	G5	M	14	9408	E -22 9460
39		9.0A	27 1.237	-0.0064	17	-21 46 20.22	-0.026	13	0.30	1.344	16	33.4	19.79	16	33.4	G5	J	13A	5406	A -21 3549
40		8.7R	27 3.441	0.0001	18	-25 1 53.77	0.042	18	0.34	3.440	16	33.4	54.46	16	33.4	K2	J	14	9409	E -2410387
41		9.0A	27 6.030	-0.0036	17	-22 12 7.73	-0.014	13	0.30	6.090	16	33.4	7.50	16	33.4	F8	J	13A	5407	A -21 3551
42		9.0R	27 7.678	0.0004	20	-28 29 59.80	0.072	20	0.36	7.671	16	33.4	0.99	16	33.4	K2	J	13B	8055	J -28 9528
43		7.7R	27 10.364	0.0013	20	-29 2 8.02	-0.019	20	0.36	10.341	16	33.4	7.70	16	33.4	K0	J	13B	8056	J -28 9529
44		9.3R	27 15.255	-0.0006	15	-23 31 39.63	0.017	15	0.30	15.265	16	33.4	39.91	16	33.4	K2	M	14	9410	E -2310568
45		9.0R	27 16.411	-0.0008	18	-27 7 22.06	-0.035	18	0.34	16.425	16	33.4	21.47	16	33.4	F8	J	14	9411	E -26 9159
46		8.5R	27 17.520	0.0018	12	-26 8 34.34	-0.101	12	0.25	17.489	16	33.4	32.65	16	33.4	G5	J	14	9412	E -25 9281
47		8.9R	27 23.929	0.0000	18	-24 58 45.55	-0.010	18	0.34	23.929	16	33.4	45.39	16	33.4	F8	J	14	9413	E -2410389
48		8.6A	27 25.559	-0.0017	15	-21 36 5.31	-0.015	11	0.27	25.588	16	33.4	5.06	16	33.4	K2	J	13A	5408	A -21 3552
49		9.4R	27 30.749	0.0020	15	-24 40 18.95	0.013	15	0.30	30.716	16	33.4	19.18	16	33.4	G0	M	14	9414	E -2410391
50		5.9T	27 40.118	-0.0016	04	-23 25 13.15	-0.008	05	0.22	40.188	07	06.0	12.78	09	06.4	K5		GC	17039	B*-22 3383
51		9.2R	12 27 42.113	-0.0009	17	-29 24 14.23	-0.044	17	0.32	42.127	16	33.4	13.49	16	33.4	A3	J	13B	8062	J -28 9537
52		7.8R	27 45.636	0.0013	12	-26 48 35.10	0.002	12	0.25	45.615	16	33.4	35.13	16	33.4	M0	M	14	9416	E -26 9165
53		9.2R	27 49.308	-0.0032	18	-23 16 18.58	-0.032	18	0.34	49.361	16	33.4	18.05	16	33.4	G0	J	14	9417	E -22 9466
54		9.4R	27 51.851	-0.0001	18	-27 38 0.79	-0.037	18	0.34	51.854	16	33.4	0.17	16	33.4	K0	M	13B	8063	J -27 8724
55		9.4R	27 52.696	-0.0048	15	-25 46 17.40	0.019	15	0.30	52.775	16	33.4	17.72	16	33.4	A5	M	14	9419	E -25 9286
56		8.9A	28 5.074	-0.0078	17	-20 14 5.31	0.027	11	0.29	5.204	18	33.3	5.75	16	33.3	K0	J	12B	5413	A -19 3503
57		9.7R	28 8.898	-0.0017	18	-23 3 51.24	-0.000	18	0.34	8.926	16	33.4	51.24	16	33.4	K0	M	14	9420	E -22 9470
58		8.7A	28 10.162	-0.0017	17	-21 21 58.14	-0.025	13	0.30	10.190	16	33.4	57.72	16	33.4	K2	J	13A	5414	A -20 3659
59		8.5A	28 26.205	-0.0054	13	-20 2 17.44	0.012	09	0.26	26.296	18	33.3	17.63	16	33.3	F5	J	12B	5415	A -19 3506
60		9.4R	28 28.102	-0.0005	18	-26 40 28.69	0.002	15	0.32	28.111	16	33.4	28.72	16	33.4	K5	M	14	9422	E -26 9174
61		9.1R	28 28.800	-0.0009	12	-23 1 15.16	0.011	12	0.25	28.815	16	33.4	15.33	16	33.4	F8	J	14	9423	E -22 9473
62		8.4R	28 35.724	-0.0020	15	-27 34 4.29	0.014	15	0.30	35.758	16	33.4	4.52	16	33.4	K0	J	13B	8068	J -27 8731
63		9.6R	28 40.881	-0.0022	15	-22 43 26.19	-0.011	15	0.30	40.916	16	33.4	26.00	16	33.4	K2	M	14	9424	E -22 9476
64		8.9R	28 58.585	0.0025	18	-28 14 13.07	-0.040	18	0.34	58.544	16	33.4	12.40	16	33.4	K2	J	13B	8071	J -27 8735
65		9.0R	29 9.875	0.0007	20	-29 15 17.38	-0.055	20	0.36	9.865	16	33.4	16.46	16	33.4	A2	J	13B	8073	J -28 9550
66		9.6T	29 9.890	-0.0010	14	-25 47 23.50	-0.038	11	0.67	9.939	22	01.7	21.60	21	00.0	K0		GC	17077	C -25 9295
67		7.3T	29 16.191	-0.0019	14	-20 42 22.20	0.060	12	0.64	16.273	21	05.7	25.10	19	01.7	K2		GC	17081	-20 3662
68		9.3R	29 25.907	-0.0025	12	-26 19 13.30	-0.007	12	0.25	25.948	16	33.4	13.19	16	33.4	F5	J	14	9426	E -25 9296
69		9.6R	29 30.537	-0.0028	15	-22 25 56.74	0.002	15	0.30	30.583	16	33.4	56.78	16	33.4	F8	M	14	9428	E -22 9480
70		7.3T	29 31.493	0.0006	07	-27 17 25.06	0.010	07	0.32	31.469	10	09.4	25.49	12	06.7	K0		GC	17088	C*-26 9180
71		8.7R	29 31.628	-0.0029	12	-29 26 17.57	-0.009	12	0.25	31.677	16	33.4	17.42	16	33.4	F5	J	13B	8077	J -29 9792
72		9.7R	29 31.902	0.0021	17	-29 34 1.81	-0.068	17	0.32	31.866	16	33.4	0.68	16	33.4	F8	M	13B	8078	J -29 9793
73		9.2R	29 35.035	-0.0023	15	-24 3 50.50	-0.008	15	0.30	35.073	16	33.4	50.37	16	33.4	G0	J	14	9429	E -2310589
74		8.5R	29 42.143	-0.0051	15	-25 21 36.36	0.029	15	0.30	42.229	16	33.4	36.84	16	33.4	G5	J	14	9430	E -2410411
75		8.6R	29 43.076	-0.0044	18	-27 49 41.58	-0.037	18	0.34	43.149	16	33.4	40.96	16	33.4	A2	J	13B	8079	J -27 8744
76		8.0A	29 47.754	0.0007	11	-21 53 41.93	0.002	09	0.23	47.742	16	33.4	41.97	16	33.4	A5	J	13A	5420	A -21 3557
77		9.1A	29 48.247	-0.0004	13	-20 12 39.15	-0.019	09	0.26	48.253	18	33.3	38.83	16	33.3	G0	J	12B	5421	A -19 3509
78		9.2R	29 54.386	0.0021	18	-23 36 44.43	0.006	18	0.34	54.351	16	33.4	44.53	16	33.4	K2	J	14	9431	E -2310590
79		6.5T	29 55.903	-0.0115	13	-20 56 8.63	-0.058	12	0.65	56.441	18	03.0	5.75	18	00.3	K2		GC	17093	-20 3667
80		9.0R	29 59.471	-0.0135	12	-26 10 57.36	0.070	12	0.25	59.696	16	33.4	58.53	16	33.4	G5	J	14	9433	E -25 9301
81		7.4R	29 59.499	0.0031	15	-23 55 30.26	-0.031	15	0.30	59.448	16	33.4	29.74	16	33.4	A2	J	14	9432	E -2310591
82		9.2R	30 0.487	0.0009	12	-26 21 22.74	0.000	12	0.25	0.473	16	33.4	22.74	16	33.4	M	M	14	9434	E -25 9302
83		9.4R	30 5.939	-0.0002	18	-27 28 29.30	-0.001	18	0.34	5.943	16	33.4	29.29	16	33.4	A0	J	13B	8082	J -27 8746
84		6.8T	30 11.215	-0.0001	11	-29 46 8.70	-0.012	12	0.66	11.218	18	96.9	8.06	18	97.1	G5		GC	17099	C -29 9798
85		9.4R	30 16.552	0.0048	21	-29 13 3.49	0.005	21	0.38	16.471	16	33.4	3.58	16	33.4	F8	J	13B	8084	J -28 9562
86		8.5R	30 18.243	-0.0011	17	-29 24 31.06	-0.006	17	0.32	18.261	16	33.4	30.96	16	33.4	K2	J	13B	8085	J -28 9563
87		9.3R	30 26.589	-0.0003	15	-23 17 2.10	-0.009	15	0.30	26.094	16	33.4	1.96	16	33.4	K0	J	14	9435	E -22 9487
88		8.8R	30 29.087	0.0002	12	-28 44 7.80	0.006	12	0.25	29.093	16	33.4	7.90	16	33.4	A0	J	13B	8087	J -28 9565
89		9.4R	30 29.572	-0.0037	18	-26 41 1.25	-0.005	18	0.34	29.633	16	33.4	1.17	16	33.4	A0	J	14	9436	E -26 9187
90		8.7R	30 29.719	-0.0030	15	-22 25 16.41	0.007	15	0.30	29.770	16	33.4	16.53	16	33.4	G5	J	14	9437	E -22 9489
91		8.5A	30 38.589	-0.0006	17	-20 48 34.01	0.008	13	0.30	38.600	16	33.4	34.13	16	33.4	K5	J	13A	5428	A -20 3669
92		8.5R	30 40.930	0.0033	15	-24 59 28.81	-0.041	15	0.30	40.874	16	33.4	28.13	16	33.4	K0	J	14	9438	E -2410417
93		9.3R	30 41.076	-0.0010	15	-26 4 45.74	-0.012	15	0.30	41.093	16	33.4	45.54	16	33.4	G0	J	14	9439	E -25 9307
94		9.4T	30 46.247	-0.0061	12	-28 10 22.82	-0.033	09	0.58	46.549	19	00.5	21.10	19	97.4	A3		GC	17109	C -27 8753
95		9.4R	30 49.632	-0.0037	12	-23 18 32.23	-0.005	12	0.25	49.693	16	33.4	32.16	16	33.4	A3	M	14	9440	E -22 9492
96		9.3R	30 49.864	0.0000	21	-29 16 56.76	-0.030	21	0.38	49.863	16	33.4	56.26	16	33.4	F5	M	13B	8090	J -28 9566
97		8.8R	30 50.494	0.0022	18	-22 43 38.33	-0.048	18	0.34	50.457	16	33.4	37.54	16	33.4	G0	J	14	9441	E -22 9493
98		8.6A	30 58.900	-0.0014	18	-20 13 52.11	-0.038	13	0.32	58.924	18	33.3	51.48	16	33.3	K0	J	12B	5431	A -19 3512
99		9.0R	31 7.693	0.0007	20	-28 55 34.19	-0.014	20	0.36	7.681	16	33.4	33.96	16	33.4	A3	J	13B	8092	J -28 9570
00		8.0R	31 10.224	-0.0051	20	-28 20 11.01	-0.019	20	0.36	10.310	16	33.4	10.70	16	33.4	K2	J	13B	8093	J -27 8755

180900			EPOCH 1950									ORIGINAL EPOCH						SP.	SOURCE		-20° 12H
NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.		CAT.	STAR NUMBER	DM NUMBER
1		8.3T	12 31 10.788	0.0065	11	-23 14 19.47	-0.131	09	0.55	10.460	18	99.8	12.57	17	97.2	G5		GC	17120	-22 3395
2		8.5R	31 11.077	-0.0019	20	-27 43 46.40	0.024	20	0.36	11.108	16	33.4	46.80	16	33.4	A2	J	13B	8094	J -27 8756
3		9.0A	31 11.734	0.0018	17	-22 8 40.24	-0.008	13	0.30	11.704	16	33.4	40.11	16	33.4	F8	J	13A	5433	A -21 3563
4		9.5R	31 15.163	-0.0016	18	-22 49 7.61	0.000	18	0.34	15.190	16	33.4	7.62	16	33.4	F0	J	14	9445	E -22 9499
5		9.2R	31 18.030	-0.0040	18	-26 40 56.28	-0.016	18	0.34	18.097	16	33.4	56.02	16	33.4	G0	J	14	9446	E -26 9192
6		9.5R	31 24.194	0.0019	18	-22 55 35.29	-0.010	18	0.34	24.162	16	33.4	35.13	16	33.4	G5	J	14	9447	E -22 9502
7		8.6R	31 26.472	0.0005	20	-29 53 5.23	-0.045	20	0.36	26.464	16	33.4	4.49	16	33.4	K5	J	13B	8096	J -29 9806
8		7.5T	31 26.970	-0.0023	08	-23 16 14.74	0.015	08	0.47	27.094	15	99.4	15.61	17	93.6	K0		GC	17129	-22 3399
9		9.3R	31 29.026	-0.0004	12	-26 9 16.97	-0.014	12	0.25	29.032	16	33.4	16.74	16	33.4	K0	J	14	9449	E -25 9312
10		8.3R	31 34.832	-0.0009	20	-26 54 20.25	0.025	20	0.36	34.847	16	33.4	20.67	16	33.4	K0	J	14	9450	E -26 9194
11		8.6A	31 35.810	-0.0005	17	-21 26 54.94	0.025	13	0.30	35.819	16	33.4	55.36	16	33.4	A0	J	13A	5437	A -20 3671
12		8.4R	31 37.291	0.0026	15	-24 0 41.08	-0.032	15	0.30	37.248	16	33.4	40.54	16	33.4	K0	J	14	9451	E -2310602
13		9.0R	31 40.170	-0.0039	18	-22 41 37.83	0.048	18	0.34	40.235	16	33.4	38.64	16	33.4	F8	J	14	9453	E -22 9504
14		9.2R	31 40.825	-0.0011	15	-26 40 26.76	0.013	15	0.30	40.844	16	33.4	26.98	16	33.4	K2	J	14	9452	E -26 9195
15		2.8H	31 45.342	0.0001	01	-23 7 13.60	-0.058	01	0.05	45.339	02	04.0	11.06	02	06.2	G5		F4	471	-22 3401
16		8.6R	31 50.448	-0.0037	20	-26 45 46.86	0.046	20	0.36	50.509	16	33.4	47.63	16	33.4	F0	J	14	9455	E -26 9199
17		9.3R	31 53.183	-0.0021	18	-24 28 4.43	-0.010	18	0.34	53.218	16	33.4	4.26	16	33.4	K0	M	14	9456	E -2410432
18		8.9R	31 55.507	-0.0021	18	-25 25 17.82	-0.026	18	0.34	55.543	16	33.4	17.39	16	33.4	K2	J	14	9457	E -25 9316
19		8.5R	31 56.064	0.0010	18	-23 51 44.61	-0.000	18	0.34	56.048	16	33.4	44.60	16	33.4	A2	J	14	9458	E -2310606
20		9.0R	32 9.634	-0.0169	18	-23 12 1.25	-0.008	18	0.34	9.914	16	33.4	1.13	16	33.4	F2	J	14	9461	E -22 9508
21		9.1R	32 9.884	0.0006	18	-24 0 9.95	-0.018	18	0.34	9.874	16	33.4	9.65	16	33.4	K5	J	14	9459	E -2310650
22		9.1A	32 19.166	-0.0016	13	-20 33 39.21	-0.012	09	0.25	19.193	16	33.4	39.01	16	33.4	M2	J	13A	5442	A -20 3674
23		8.6A	32 20.120	-0.0001	17	-20 56 25.59	0.044	13	0.30	20.121	16	33.4	26.32	16	33.4	A5	J	13A	5443	A -20 3675
24		8.3R	32 22.434	-0.0029	18	-26 26 13.82	-0.034	18	0.34	22.483	16	33.4	13.27	16	33.4	F2	J	14	9462	E -26 9203
25		8.7R	32 25.339	-0.0009	20	-28 30 8.61	0.021	20	0.36	25.354	16	33.4	8.96	16	33.4	M2	M	13B	8102	J -28 9580
26		8.6R	32 26.061	0.0022	17	-22 52 47.54	-0.002	17	0.32	26.024	16	33.4	47.51	16	33.4	K5	J	14	9463	E -22 9511
27		9.7R	32 33.592	0.0001	20	-22 42 4.16	0.083	20	0.36	33.590	16	33.4	5.55	16	33.4	A0	M	14	9465	E -22 9512
28		9.3A	32 42.309	-0.0001	18	-21 24 8.21	-0.034	13	0.31	42.311	16	33.4	7.65	16	33.4	G5	J	13A	5445	A -20 3676
29		9.5R	32 53.811	0.0033	15	-26 23 57.66	-0.022	15	0.30	53.756	16	33.4	57.31	16	33.4	G0	M	14	9466	E -25 9325
30		9.5R	32 54.871	-0.0002	15	-25 27 8.01	0.024	15	0.30	54.875	16	33.4	8.41	16	33.4	K0	M	14	9467	E -25 9328
31		8.0R	32 55.633	0.0008	20	-29 48 33.56	0.012	20	0.36	55.620	16	33.4	33.75	16	33.4	K2	J	13B	8104	J -29 9819
32		8.6R	32 57.074	-0.0015	12	-28 22 2.80	0.013	12	0.25	57.099	16	33.4	3.02	16	33.4	F2	J	13B	8105	J -27 8774
33		9.2R	33 6.605	0.0038	15	-27 42 40.18	0.063	15	0.30	6.542	16	33.4	41.23	16	33.4	F8	J	13B	8106	J -27 8775
34		8.2G	33 12.522	-0.0197	22	-20 11 26.21	-0.049	17	0.88	13.327	24	09.0	24.02	22	05.1	G5		GC	17161	-19 3520
35		8.8R	33 16.538	-0.0008	18	-23 33 37.43	0.002	18	0.34	16.552	16	33.4	37.46	16	33.4	K5	J	14	9468	E -2310615
36		9.5R	33 20.287	-0.0055	17	-24 24 1.01	0.008	17	0.32	20.378	16	33.4	1.14	16	33.4	F0	M	14	9469	E -2310616
37		6.1T	33 21.091	0.0008	12	-20 15 4.80	-0.042	11	0.57	21.050	21	01.6	2.76	17	01.1	A5		GC	17165	-19 3521
38		8.4R	33 26.869	0.0026	12	-25 42 56.76	0.014	12	0.25	26.825	16	33.4	57.00	16	33.4	F2	J	14	9470	E -25 9334
39		8.5R	33 36.316	0.0000	17	-29 18 49.26	0.060	17	0.32	36.315	16	33.4	50.26	16	33.4	G0	J	13B	8108	J -28 9590
40		8.8R	33 36.997	0.0022	12	-29 22 30.63	0.062	12	0.25	36.961	16	33.4	31.66	16	33.4	K0	J	13B	8109	J -28 9591
41		8.8T	33 37.212	-0.0078	12	-27 9 16.50	-0.076	10	0.62	37.610	21	99.1	12.38	21	95.6	G5		GC	17173	C -26 9216
42		9.5R	33 37.939	0.0090	18	-24 34 43.84	-0.114	18	0.34	37.789	16	33.4	41.95	16	33.4	K2	M	14	9472	E -2410441
43		8.5R	33 39.244	-0.0024	18	-22 41 38.15	0.007	18	0.34	39.284	16	33.4	38.28	16	33.4	K0	J	14	9473	E -22 9520
44		9.0R	33 47.649	-0.0051	17	-28 33 27.39	0.028	17	0.32	47.734	16	33.4	27.86	16	33.4	K2	J	13B	8110	J -28 9596
45		9.6R	33 48.200	0.0035	18	-24 38 53.39	-0.010	18	0.34	48.141	16	33.4	53.23	16	33.4	F8	J	14	9474	E -2410442
46		8.8R	33 52.627	-0.0012	12	-26 29 7.70	0.019	12	0.25	52.646	16	33.4	8.02	16	33.4	M1	M	14	9475	E -26 9220
47		9.3R	33 56.040	-0.0004	15	-27 30 28.83	0.009	15	0.30	56.046	16	33.4	28.98	16	33.4	G5	J	13B	8111	J -27 8777
48		9.6R	33 57.993	-0.0011	18	-22 34 58.61	-0.014	18	0.34	58.010	16	33.4	58.39	16	33.4	G5	M	14	9477	E -22 9523
49		9.0R	33 58.954	-0.0034	18	-25 2 25.18	0.025	18	0.34	59.011	16	33.4	25.60	16	33.4	F2	J	14	9478	E -2410443
50		9.1R	34 0.112	0.0013	18	-24 28 7.77	0.013	18	0.34	0.091	16	33.4	7.98	16	33.4	F8	J	14	9479	E -2410444
51		8.1A	12 34 2.768	-0.0014	17	-21 1 52.89	0.007	13	0.30	2.792	16	33.4	53.01	16	33.4	K2	J	13A	5451	A -20 3679
52		8.9A	34 6.875	-0.0000	15	-22 4 31.86	0.028	11	0.27	6.875	16	33.4	32.32	16	33.4	K2	J	13A	5452	A -21 3570
53		8.1R	34 17.442	-0.0010	18	-23 52 27.09	-0.029	18	0.34	17.459	16	33.4	26.65	16	33.4	F5	J	14	9480	E -2310623
54		9.2A	34 18.722	-0.0068	15	-21 18 45.52	0.001	12	0.27	18.834	16	33.4	45.54	16	33.4	F8	J	13A	5454	A -20 3681
55		9.1A	34 19.360	-0.0005	17	-21 33 38.43	-0.010	13	0.30	19.369	16	33.4	38.26	16	33.4	G5	J	13A	5455	A -21 3571
56		8.6R	34 26.199	-0.0009	15	-24 56 36.50	0.005	15	0.30	26.213	16	33.4	36.59	16	33.4	F2	J	14	9481	E -2410447
57		8.9R	34 30.338	0.0024	17	-29 25 24.32	0.060	17	0.32	30.298	16	33.4	25.32	16	33.4	G5	J	13B	8113	J -29 9832
58		7.8R	34 33.311	-0.0013	18	-24 37 3.75	0.008	18	0.34	33.333	16	33.4	3.89	16	33.4	K0	J	14	9482	E -2410448
59		8.2R	34 35.331	0.0023	12	-25 44 36.33	-0.011	12	0.25	35.293	16	33.4	36.16	16	33.4	K5	J	14	9483	E -25 9344
60		8.8R	34 42.084	0.0002	18	-23 23 56.40	-0.027	18	0.34	42.081	16	33.4	55.96	16	33.4	K5	J	14	9484	E -22 9526
61		9.1R	34 49.304	0.0008	15	-23 42 0.33	-0.035	15	0.30	49.290	16	33.4	59.74	16	33.4	K0	M	14	9485	E -2310626
62		8.2R	34 52.083	-0.0034	15	-28 8 29.24	-0.050	15	0.30	52.140	16	33.4	28.41	16	33.4	F0	J	13B	8117	J -27 8785
63		9.2R	34 57.815	-0.0018	21	-25 20 52.10	0.008	21	0.38	57.844	16	33.4	52.24	16	33.4	F2	J	14	9486	E -2410451
64		9.0R	34 58.801	-0.0018	12	-23 42 53.29	-0.052	12	0.25	58.831	16	33.4	52.42	16	33.4	G0	J	14	9487	E -2310627
65		5.4T	35 2.821	0.0056	04	-26 51 45.92	-0.096	04	0.21	2.548	07	01.0	40.98	07	98.4	F0		GC	17198K	C*-26 9233
66		8.6R	35 2.937	-0.0026	20	-25 15 14.87	-0.011	20	0.36	2.980	16	33.4	14.69	16	33.4	K0	J	14	9489	E -2410452
67		9.1R	35 4.037	-0.0043	15	-24 7 40.32	-0.004	15	0.30	4.108	16	33.4	40.25	16	33.4	K5	J	14	9491	E -2310629
68		9.1A	35 15.034	-0.0009	11	-21 54 58.34	-0.003	09	0.23	15.050	16	33.4	58.29	16	33.4	K7	J	13A	5459	A -21 3576
69		9.0R	35 23.301	-0.0025	12	-27 48 56.41	0.024	12	0.25	23.343	16	33.4	56.81	16	33.4	K2	J	13B	8120	J -27 8790
70		9.5R	35 35.350	-0.0039	12	-26 15 7.53	0.001	12	0.25	35.414	16	33.4	7.55	16	33.4	K0	M	14	9492	E -25 9353
71		9.0A	35 36.500	-0.0020	15	-21 7 10.08	-0.003	11	0.27	36.532	16	33.4	10.03	16	33.4	K0	J	13A	5460	A -20 3686
72		9.0R	35 40.783	0.0016	12	-23 41 12.65	-0.023	12	0.25	40.757	16	33.4	12.26	16	33.4	K0	M	14	9493	E -2310637
73		8.9R	35 49.496	0.0087	12	-29 1 10.51	0.042	12	0.25	49.351	16	33.4	11.21	16	33.4	K0	J	13B	8123	J -28 9619
74		9.2A	35 53.920	-0.0021	17	-21 14 41.16	-0.006	13	0.30	53.956	16	33.4	41.06	16	33.4	K2	J	13A	5463	A -20 3687
75		8.1R	35 56.305	-0.0011	18	-25 12 31.62	-0.018	18	0.34	56.323	16	33.4	31.33	16	33.4	K2	J	14	9494	E -2410460
76		9.4A	36 2.814	0.0024	17	-21 2 26.61	0.022	13	0.30	2.774	16	33.4	26.97	16	33.4	K2	J	13A	5464	A -20 3689
77		9.0R	36 4.073	0.0020	17	-29 50 17.79	-0.025	20	0.34	4.039	16	33.4	17.37	16	33.4	K2	J	13B	8124	J -29 9840
78		9.0R	36 4.678	-0.0041	20	-28 59 2.27	-0.040	20	0.36	4.746	16	33.4	1.61	16	33.4	F8	J	13B	8125	J -28 9622
79		8.4R	36 10.534	0.0040	12	-26 14 36.66	-0.057	12	0.25	10.466	16	33.4	35.72	16	33.4	G5	J	14	9496	E -25 9356
80		8.9R	36 11.535	-0.0028	20	-28 34 3.93	0.018	20	0.36	11.582	16	33.4	4.23	16	33.4	K2	J	13B	8126	J -28 9626
81		9.0A	36 13.794	-0.0041	17	-20 14 55.98	0.003	13	0.30	13.861	18	33.3	56.04	16	33.3	F5	J	12B	5465	A -19 3532
82		9.7R	36 14.651	-0.0017	20	-23 17 18.37	-0.013	20	0.36	14.679	16	33.4	18.16	16	33.4	G0	M	14	9497	E -22 9536
83		9.3R	36 15.424	-0.0015	18	-26 42 30.48	0.007	18	0.34	15.449	16	33.4	30.60	16	33.4	M0	M	14	9498	E -26 9248
84		8.7A	36 22.812	-0.0027	11	-22 20 34.34	-0.037	09	0.23	22.858	16	33.4	33.72	16	33.4	F8	J	13A	5466	A -21 3578
85		9.3R	36 32.968	0.0022	18	-23 5 13.41	0.007	18	0.34	32.931	16	33.4	13.54	16	33.4	K5	M	14	9499	E -22 9542
86		8.8R	36 33.501	-0.0049	12	-26 39 21.33	-0.021	12	0.25	33.583	16	33.4	20.98	16	33.4	K0	J	14	9500	E -26 9254
87		9.0A	36 36.654	0.0006	17	-22 23 9.72	0.005	13	0.30	38.645	16	33.4	9.80	16	33.4	M	J	13A	5468	A -21 3580
88		9.1R	36 39.988	-0.0034	20	-28 31 6.16	0.056	20	0.36	40.044	16	33.4	7.09	16	33.4	K0	J	13B	8129	J -28 9632
89		7.4T	36 44.403	-0.0022	12	-29 15 43.87	-0.002	11	0.64	44.517	17	97.7	43.77	18	96.1	F0		GC	17229	C*-28 9635
90		9.5R	36 51.115	0.0011	18	-23 45 16.05	-0.020	18	0.34	51.096	16	33.4	17.71	16	33.4	F5	M	14	9502	E -2310649
91		7.6R	36 56.740	-0.0024	12	-23 32 8.71	-0.023	12	0.25	56.779	16	33.4	8.32	16	33.4	F0	J	14	9503	E -2310651
92		9.2R	36 57.557	-0.0020	15	-26 57 46.78	-0.012	15	0.30	57.591	16	33.4	46.58	16	33.4	K0	J	14	9504	E -26 9258
93		9.4R	36 59.375	-0.0034	12	-25 39 27.92	0.020	12	0.25	59.432	16	33.4	28.25	16	33.4	F5	J	14	9505	E -25 9364
94		8.6R	37 7.658	0.0004	12	-26 38 15.77	-0.032	12	0.25	7.651	16	33.4	15.24	16	33.4	K2	J	14	9506	E -26 9259
95		7.8T	37 8.106	-0.0029	11	-29 22 53.30	-0.013	11	0.65	8.263	17	95.6	52.58	17	94.1	K2		GC	17235	C -28 9640
96		9.1R	37 13.997	-0.0016	18	-22 43 49.04	0.023	15	0.32	14.023	16	33.4	49.43	16	33.4	K5	M	14	9507	E -22 9547
97		8.6A	37 14.693	-0.0078	17	-20 41 45.05	-0.026	13	0.30	14.822	16	33.4	44.62	16	33.4	G5	J	13A	5471	A -20 3691
98		9.0R	37 15.368	0.0007	18	-25 0 57.98	-0.011	18	0.34	15.357	16	33.4	58.17	16	33.4	K0	J	14	9508	E -2410472
99		8.2R	37 15.962	-0.0002	18	-23 17 6.55	-0.133	18	0.34	15.965	16	33.4	4.35	16	33.4	G0	J	14	9509	E -22 9548
00		9.3A	37 20.265	-0.0021	15	-20 57 30.34	0.007	11	0.27	20.301	16	33.4	30.45	16	33.4	F8	J	13A	5473	A -20 3692

181000

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	σ'_μ ″.001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	CAT.	SOURCE STAR NUMBER	-20° 12H DM NUMBER
1		8.6R	12 37 21.637	0.0029	18	-23 11 24.59	0.013	18	0.34	21.588	16	33.4	24.81	16	33.4	K5 J	14	9510	E -22 9549
2		8.9R	37 32.310	-0.0075	12	-24 57 29.92	-0.018	12	0.25	32.434	16	33.4	29.62	16	33.4	F8 J	14	9511	E -2410473
3		9.0R	37 35.533	-0.0021	20	-28 51 31.22	-0.036	20	0.36	35.568	16	33.4	30.62	16	33.4	K0 M	13B	8134	J -28 9642
4		8.6T	37 36.359	-0.0025	13	-29 38 34.35	-0.028	08	0.58	36.479	22	02.8	32.83	21	95.7	A0	GC	17243	C -29 9853
5		9.0R	37 39.124	-0.0017	12	-26 42 31.30	0.000	12	0.25	39.153	16	33.4	31.31	16	33.4	G5 J	14	9512	E -26 9261
6		8.0R	37 39.258	-0.0021	12	-29 20 25.46	0.050	12	0.25	39.293	16	33.4	26.29	16	33.4	A0 J	13B	8137	J -28 9643
7		9.4A	37 45.042	-0.0054	17	-21 0 31.38	0.022	13	0.30	45.131	16	33.4	31.74	16	33.4	G5 J	13A	5476	A -20 3693
8		9.1A	37 54.688	-0.0030	13	-21 26 56.33	0.002	09	0.25	54.738	16	33.4	56.36	16	33.4	K7 J	13A	5478	A -20 3694
9		9.3R	38 2.464	-0.0004	15	-27 0 3.01	0.000	15	0.30	2.471	16	33.4	3.01	16	33.4	K2 M	14	9513	E -26 9266
10		8.4R	38 4.404	0.0021	15	-26 33 22.84	-0.022	15	0.30	4.368	16	33.4	22.48	16	33.4	K0 J	14	9514	E -26 9267
11		7.3T	38 11.838	-0.0012	13	-27 26 21.05	-0.020	12	0.70	11.901	21	98.6	20.01	19	97.0	B9	GC	17248K	C -27 8810
12		9.0A	38 14.876	0.0000	18	-21 12 52.58	0.023	13	0.31	14.876	16	33.4	52.96	16	33.4	M0 J	13A	5480	A -20 3695
13		9.1R	38 26.764	0.0004	12	-26 16 39.17	0.012	12	0.25	26.757	16	33.4	39.37	16	33.4	K0 J	14	9515	E -25 9376
14		6.9T	38 34.043	-0.0014	12	-27 38 2.20	-0.002	11	0.62	34.116	17	98.1	2.11	17	96.1	M0	GC	17255	C*-27 8811
15		9.2R	38 37.041	0.0008	15	-22 26 21.27	0.012	15	0.30	37.028	16	33.4	21.47	16	33.4	K5 M	14	9516	E -22 9562
16		9.0R	38 39.816	-0.0042	12	-25 35 3.76	-0.013	12	0.25	39.885	16	33.4	3.55	16	33.4	F8 J	14	9517	E -25 9378
17		9.0R	38 42.390	0.0027	18	-23 14 41.80	-0.005	18	0.34	42.345	16	33.4	41.73	16	33.4	A5 J	14	9518	E -22 9563
18		9.2R	38 43.404	-0.0003	12	-25 59 19.50	0.030	12	0.25	43.408	16	33.4	20.01	16	33.4	G0 J	14	9519	E -25 9379
19		8.4R	38 44.484	-0.0061	15	-27 14 16.27	-0.009	15	0.30	44.585	16	33.4	16.12	16	33.4	F0 J	14	9520	E -26 9275
20		9.4R	38 48.339	0.0028	18	-22 40 16.87	0.020	18	0.34	48.293	16	33.4	17.21	16	33.4	F5 M	14	9522	E -22 9564
21		8.2R	38 48.855	0.0031	18	-24 43 11.54	-0.003	18	0.34	48.803	16	33.4	11.49	16	33.4	K0 J	14	9521	E -2410482
22		8.3A	38 52.822	-0.0066	13	-20 20 33.29	-0.007	11	0.26	52.932	18	33.3	33.18	16	33.3	F0 J	12B	5484	A -19 3540
23		8.3R	39 3.661	0.0028	15	-23 35 47.76	-0.024	15	0.30	3.614	16	33.4	47.36	16	33.4	K2 J	14	9523	E -2310672
24		8.7A	39 5.831	-0.0082	15	-20 39 0.49	-0.050	11	0.27	5.968	16	33.4	-59.66	16	33.4	G5 J	13A	5486	A -20 3698
25		8.0R	39 11.903	-0.0019	12	-28 42 57.20	0.037	12	0.25	11.934	16	33.4	57.82	16	33.4	K0 J	13B	8144	J -28 9653
26		9.5R	39 13.524	-0.0072	20	-23 24 54.17	0.022	20	0.36	13.643	16	33.4	54.54	16	33.4	G M	14	9524	E -22 9570
27		8.7A	39 16.628	-0.0026	15	-21 31 10.35	-0.003	11	0.27	16.671	16	33.4	10.30	16	33.4	F8 J	13A	5488	A -20 3699
28		8.6R	39 18.011	-0.0027	18	-22 27 13.84	0.001	18	0.34	18.056	16	33.4	13.86	16	33.4	A2 J	14	9525	E -22 9572
29		9.2R	39 18.914	-0.0020	18	-25 4 30.46	0.060	18	0.34	18.948	16	33.4	31.46	16	33.4	G5 J	14	9526	E -2410488
30		9.3R	39 31.725	-0.0023	12	-25 59 48.66	0.016	12	0.25	31.764	16	33.4	48.93	16	33.4	G0 J	14	9527	E -25 9386
31		8.7A	39 32.046	-0.0140	17	-21 41 35.02	-0.037	13	0.30	32.279	16	33.4	34.40	16	33.4	K0 J	13A	5491	A -21 3594
32		8.7R	39 32.531	-0.0005	18	-22 35 57.23	0.014	18	0.34	32.539	16	33.4	57.47	16	33.4	K7 J	14	9528	E -22 9574
33		8.7R	39 39.407	-0.0027	17	-29 24 3.39	0.023	17	0.32	39.452	16	33.4	3.78	16	33.4	A0 J	13B	8148	J -28 9656
34		9.5R	39 41.532	-0.0024	20	-23 1 23.85	0.043	20	0.36	41.571	16	33.4	24.58	16	33.4	G5 M	14	9529	E +22 9576
35		8.6R	39 55.367	-0.0008	18	-24 20 23.03	-0.004	18	0.34	55.380	16	33.4	22.96	16	33.4	A0 J	14	9530	E -2310677
36		9.4R	40 0.734	0.0027	18	-23 58 10.25	0.010	18	0.34	0.689	16	33.4	10.41	16	33.4	K2 M	14	9531	E -2310678
37		9.8R	40 2.660	-0.0036	20	-22 34 26.66	0.016	20	0.36	2.719	16	33.4	26.93	16	33.4	G M	14	9532	E -22 9578
38		9.5R	40 4.156	-0.0018	18	-25 1 10.15	-0.006	18	0.34	4.187	16	33.4	10.05	16	33.4	G5 J	14	9533	E -2410493
39		9.0R	40 4.832	-0.0016	17	-29 46 14.41	-0.058	17	0.32	4.860	16	33.4	13.45	16	33.4	F0 J	13B	8151	J -29 9875
40		9.1R	40 11.113	0.0006	18	-24 7 58.73	-0.023	18	0.34	11.104	16	33.4	58.34	16	33.4	G5 J	14	9534	E -2310680
41		9.1R	40 11.733	-0.0001	15	-25 23 48.97	-0.010	15	0.30	11.734	16	33.4	48.81	16	33.4	M1 M	14	9535	E -2410494
42		9.4T	40 24.780	-0.0080	11	-29 58 30.35	-0.030	09	0.55	25.192	19	98.2	28.71	18	95.4	F8	GC	17296	C -29 9880
43		8.0R	40 25.868	-0.0027	18	-23 34 5.09	-0.005	18	0.34	25.912	16	33.4	5.00	16	33.4	K2 J	14	9537	E -2310684
44		9.1R	40 30.997	0.0020	20	-29 33 11.76	0.063	20	0.36	30.965	16	33.4	12.80	16	33.4	F5 J	13B	8155	J -29 9883
45		9.3T	40 31.840	-0.0027	12	-29 58 21.45	-0.023	10	0.59	31.976	19	00.5	20.26	19	98.3	A2	GC	17298	C -29 9882
46		8.4R	40 33.502	-0.0065	15	-27 5 52.50	-0.047	15	0.30	33.611	16	33.4	51.72	16	33.4	G5 J	14	9538	E -26 9292
47		6.9T	40 33.696	0.0004	10	-24 42 59.26	-0.009	09	0.58	33.671	15	92.5	58.73	15	90.6	M0	GC	17299	C -2410500
48		8.6R	40 42.115	-0.0045	18	-23 11 37.99	0.019	18	0.34	42.190	16	33.4	38.32	16	33.4	F5 J	14	9540	E -22 9584
49		8.5R	40 47.092	-0.0009	20	-28 32 34.91	0.011	20	0.36	47.106	16	33.4	35.10	16	33.4	K2 J	13B	8157	J -28 9665
50		8.7R	40 48.076	0.0033	18	-26 12 33.06	-0.007	18	0.34	48.021	16	33.4	32.95	16	33.4	K2 J	14	9541	E -25 9394
51		9.2A	12 40 51.088	-0.0017	11	-21 5 34.20	0.009	09	0.23	51.116	16	33.4	34.35	16	33.4	F8 J	13A	5498	A -20 3703
52		8.6R	40 51.485	-0.0019	17	-27 54 40.91	0.009	17	0.32	51.516	16	33.4	41.06	16	33.4	A2 J	13B	8158	J -27 8827
53		7.5T	40 52.244	-0.0036	14	-26 1 39.08	-0.009	12	0.68	52.426	18	00.0	38.64	17	99.7	K0	GC	17304	C -25 9397
54		9.0R	40 52.534	-0.0093	21	-29 10 3.21	0.105	21	0.38	52.688	16	33.4	4.96	16	33.4	G5 J	13B	8160	J -28 9667
55		9.0R	40 59.817	-0.0037	18	-23 19 45.67	0.017	18	0.34	59.878	16	33.4	45.96	16	33.4	K7 J	14	9545	E -22 9586
56		9.3R	41 3.070	-0.0052	22	-23 23 12.68	0.027	22	0.41	3.156	16	33.4	13.14	16	33.4	K0 M	14	9546	E -22 9587
57		8.5R	41 4.654	-0.0016	18	-22 35 17.55	-0.041	18	0.34	4.681	16	33.4	16.88	16	33.4	K5 J	14	9547	E -22 9588
58		9.3R	41 7.931	-0.0062	18	-23 34 39.80	-0.009	18	0.34	8.034	16	33.4	39.65	16	33.4	A0 J	14	9548	E -2310632
59		8.0R	41 8.761	-0.0054	20	-28 25 41.44	-0.007	20	0.36	8.850	16	33.4	41.33	16	33.4	F8 J	13B	8161	J -28 9670
60		8.5R	41 10.760	0.0022	15	-24 0 43.63	-0.012	15	0.30	10.723	16	33.4	43.43	16	33.4	K5 J	14	9549	E -2310693
61		8.6R	41 13.908	-0.0008	15	-24 46 3.85	-0.004	15	0.30	13.920	16	33.4	3.79	16	33.4	K2 J	14	9550	E -2410507
62		8.7R	41 17.101	-0.0071	18	-27 9 59.73	-0.029	18	0.34	17.220	16	33.4	59.25	16	33.4	F8 J	14	9551	E -26 9297
63		5.7H	41 20.246	-0.0023	02	-28 2 59.26	-0.040	03	0.09	20.319	04	18.1	57.96	05	17.6	K2	F4	479	C -27 8832
64		8.9R	41 20.310	0.0029	20	-29 11 36.95	-0.061	20	0.36	20.262	16	33.4	35.94	16	33.4	K0 J	13B	8163	J -28 9673
65		8.7R	41 21.941	-0.0048	18	-22 47 39.57	-0.026	18	0.34	22.021	16	33.4	39.15	16	33.4	F8 J	14	9552	E -22 9591
66		9.5R	41 27.961	-0.0003	18	-24 53 38.24	0.010	18	0.34	27.965	16	33.4	38.41	16	33.4	F2 M	14	9553	E -2410510
67		9.0R	41 30.722	-0.0008	22	-23 51 1.57	-0.049	22	0.41	30.735	16	33.4	0.75	16	33.4	K7 M	14	9554	E -2310695
68		8.5R	41 38.789	0.0011	12	-29 13 28.50	-0.028	12	0.25	38.770	16	33.4	28.04	16	33.4	G5 J	13B	8166	J -28 9676
69		9.0A	41 50.482	-0.0032	17	-21 23 37.24	-0.006	13	0.30	50.535	16	33.4	37.14	16	33.4	F2 J	13A	5506	A -20 3708
70		9.5R	41 51.100	0.0002	18	-23 24 47.78	0.052	18	0.34	51.097	16	33.4	48.65	16	33.4	K0 M	14	9557	E -22 9599
71		8.5R	41 55.381	0.0052	15	-26 37 50.81	-0.098	18	0.32	55.295	16	33.4	49.18	16	33.4	F5 J	14	9558	E -26 9305
72		8.8R	41 59.917	-0.0047	18	-22 58 40.60	0.055	18	0.34	59.994	16	33.4	41.52	16	33.4	F8 J	14	9559	E -22 9600
73		9.5R	42 6.416	-0.0019	20	-23 46 38.21	-0.074	20	0.36	6.448	16	33.4	36.97	16	33.4	F5 M	14	9560	E -2310698
74		8.9R	42 14.443	0.0033	12	-28 7 36.33	-0.029	12	0.25	14.387	16	33.4	35.85	16	33.4	G5 J	13B	8168	J -27 8841
75		6.8T	42 35.765	-0.0045	12	-28 29 33.89	-0.019	09	0.59	35.990	15	99.9	32.85	18	94.4	A2	GC	17336	C*-28 9685
76		8.1R	42 39.456	0.0007	12	-29 30 31.39	0.023	12	0.25	39.445	16	33.4	31.78	16	33.4	A2 J	13B	8171	J -29 9902
77		9.0R	42 42.694	-0.0045	12	-27 16 14.84	-0.010	12	0.25	42.769	16	33.4	14.68	16	33.4	K0 J	14	9561	E -26 9314
78		9.0R	42 44.395	-0.0005	15	-26 37 34.14	-0.034	15	0.30	44.404	16	33.4	33.58	16	33.4	K5 M	14	9562	E -26 9315
79		9.1A	42 48.702	-0.0031	15	-21 17 20.00	0.007	11	0.27	48.753	16	33.4	20.11	16	33.4	F0 J	13A	5511	A -20 3710
80		9.3R	42 51.818	0.0008	12	-26 8 38.73	-0.047	12	0.25	51.805	16	33.4	37.95	16	33.4	G5 J	14	9563	E -25 9417
81		8.7R	42 52.085	-0.0009	18	-27 2 16.53	-0.030	18	0.34	52.100	16	33.4	16.03	16	33.4	G5 J	14	9564	E -26 9317
82		8.2R	43 2.686	-0.0029	15	-24 15 46.02	0.015	15	0.30	2.734	16	33.4	46.26	16	33.4	K2 J	14	9565	E -2310706
83		7.9R	43 5.195	-0.0050	15	-24 42 12.65	-0.002	15	0.30	5.277	16	33.4	12.62	16	33.4	F5 J	14	9566	E -2410522
84		9.4R	43 10.305	0.0017	15	-27 11 47.85	-0.009	15	0.30	10.277	16	33.4	47.75	16	33.4	A0 J	14	9567	E -26 9321
85		9.0R	43 12.552	-0.0011	12	-29 55 4.69	-0.002	12	0.25	12.571	16	33.4	4.65	16	33.4	F0 M	13B	8175	J -29 9908
86		7.1T	43 13.699	-0.0000	13	-21 29 41.45	-0.008	13	0.64	13.701	19	04.2	41.05	18	01.7	K0	GC	17350	-20 3711
87		8.3A	43 14.423	-0.0036	17	-22 21 25.47	0.002	09	0.27	14.483	16	33.4	25.50	16	33.4	A2 J	13A	5514	A -21 3600
88		9.6R	43 14.509	-0.0001	00	-24 8 32.08	0.186	20	0.28	14.511	16	33.4	35.17	16	33.4	G M	14	9568	E -2310709
89		9.0R	43 42.260	-0.0009	12	-25 0 51.88	0.006	12	0.25	42.276	16	33.4	51.98	16	33.4	A0 J	14	9569	E -2410527
90		9.0A	43 48.911	-0.0001	17	-20 34 30.54	0.007	13	0.30	48.913	16	33.4	30.65	16	33.4	F8 J	13A	5518	A -20 3713
91		8.6R	43 55.855	0.0003	15	-22 25 59.62	-0.018	15	0.30	55.851	16	33.4	59.32	16	33.4	M0 J	14	9570	E -22 9613
92		9.6R	43 57.818	-0.0028	18	-28 4 33.51	-0.010	18	0.34	57.865	16	33.4	33.35	16	33.4	G5 M	13B	8181	J -27 8862
93		9.4R	44 1.890	-0.0006	15	-26 54 3.11	-0.034	15	0.30	1.900	16	33.4	2.55	16	33.4	F5 M	14	9571	E -26 9327
94		9.0R	44 7.270	-0.0085	20	-29 46 21.12	-0.125	20	0.36	7.412	16	33.4	19.05	16	33.4	G0 M	13B	8182	J -29 9916
95		8.5R	44 10.470	-0.0003	12	-28 42 43.95	-0.005	12	0.25	10.474	16	33.4	43.87	16	33.4	K2 J	13B	8183	J -28 9699
96		7.4A	44 24.195	0.0059	11	-21 51 24.33	0.024	09	0.23	24.092	16	33.4	24.73	16	33.4	F5 J	13A	5522	A -21 3605
97		8.7R	44 32.489	-0.0002	12	-25 43 11.08	0.002	12	0.25	32.492	16	33.4	11.12	16	33.4	K5 J	14	9572	E -25 9434
98		9.1R	44 34.443	-0.0033	15	-28 16 17.39	0.029	15	0.30	34.499	16	33.4	17.88	16	33.4	F8 J	13B	8188	J -27 8863
99		9.7T	44 39.785	-0.0027	13	-29 56 22.01	-0.030	09	0.60	39.910	22	02.6	20.43	21	97.6	K0	GC	17369	C -29 9918
00		8.5R	44 41.989	0.0027	20	-29 19 3.62	-0.001	20	0.36	41.944	16	33.4	3.60	16	33.4	F8 J	13B	8191K	J -28 9702

181100

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	CAT.	SOURCE STAR NUMBER	DM NUMBER
1		8.2A	12 44 47.744	-0.0059	17	-21 11 28.54	0.022	13	0.30	47.842	16	33.4	28.90	16	33.4	K2 J	13A	5525	A -20 3717
2		9.3R	44 49.158	-0.0004	20	-29 46 45.55	-0.018	20	0.36	49.151	16	33.4	45.24	16	33.4	G5 M	13B	8193	J -29 9919
3		7.8R	45 0.532	-0.0035	17	-29 31 19.64	-0.017	17	0.32	0.591	16	33.4	19.35	16	33.4	M2 M	13B	8196	J -29 9920
4		6.9T	45 13.337	-0.0035	11	-24 44 31.65	-0.025	10	0.59	13.518	15	97.7	30.24	17	92.9	K0	GC	17379	C*-2410559
5		6.3H	45 13.841	-0.0031	03	-24 34 46.08	0.039	03	0.10	13.924	05	23.1	47.17	05	22.0	B9	F4	1329	C -2410540
6		8.8R	45 13.947	-0.0049	18	-26 47 23.38	-0.017	18	0.34	14.028	16	33.4	23.10	16	33.4	F8 J	14	9575	E -26 9333
7		8.0R	45 14.537	-0.0036	12	-27 17 26.10	-0.032	12	0.25	14.597	16	33.4	25.57	16	33.4	K0 J	13B	8199	J -26 9332
8		9.0A	45 23.624	-0.0030	17	-22 23 23.34	0.024	13	0.30	23.675	16	33.4	23.74	16	33.4	K7 J	13A	5528	A -21 3607
9		9.3R	45 31.147	-0.0244	22	-24 32 2.48	0.157	22	0.41	31.553	16	33.4	5.09	16	33.4	K0 J	14	9577	E -2410541
10		8.9R	45 31.860	-0.0224	12	-24 32 10.83	0.170	12	0.25	32.233	16	33.4	13.66	16	33.4	K0 J	14	9578	E -2410541
11		8.8R	45 40.540	-0.0020	15	-24 31 32.05	-0.028	15	0.30	40.573	16	33.4	31.59	16	33.4	F5 J	14	9580	E -2410543
12		9.0R	45 40.618	0.0006	12	-25 37 25.18	-0.023	12	0.25	40.609	16	33.4	24.81	16	33.4	K0 J	14	9579	E -25 9447
13		9.0R	45 42.700	-0.0001	12	-28 28 32.35	0.009	12	0.25	42.703	16	33.4	32.50	16	33.4	F8 J	13B	8201	J -28 9712
14		5.8T	45 46.029	-0.0105	05	-27 19 26.31	-0.067	04	0.21	46.473	07	07.8	23.49	07	07.7	G5	GC	17391	C -26 9340
15		9.2A	45 52.095	-0.0004	17	-21 43 19.58	-0.014	13	0.30	52.102	16	33.4	19.35	16	33.4	M0 J	13A	5535	A -21 3608
16		8.6R	45 57.312	-0.0049	18	-23 17 11.92	-0.007	18	0.34	57.393	16	33.4	11.81	16	33.4	K0 J	14	9581	E -22 9623
17		9.1A	46 0.213	-0.0020	15	-22 12 58.81	-0.052	11	0.27	0.247	16	33.4	57.94	16	33.4	M0 J	13A	5532	A -21 3610
18		9.3R	46 5.406	-0.0003	20	-28 51 5.17	-0.009	20	0.36	5.411	16	33.4	5.02	16	33.4	G0 J	13B	8205	J -28 9716
19		9.3R	46 12.892	0.0008	12	-25 43 52.69	-0.008	12	0.25	12.879	16	33.4	52.56	16	33.4	A0 J	14	9582	E -25 9450
20		9.5A	46 16.525	-0.0047	17	-21 46 11.62	0.006	13	0.30	16.603	16	33.4	11.72	16	33.4	G5 J	13A	5535	A -21 3611
21		9.5R	46 18.624	0.0017	18	-26 26 9.52	-0.022	18	0.34	18.596	16	33.4	9.17	16	33.4	F0 M	14	9583	E -26 9344
22		9.3R	46 21.028	-0.0022	18	-26 19 3.96	0.010	18	0.34	21.065	16	33.4	4.08	16	33.4	F5 M	14	9584	E -22 9626
23		7.8R	46 22.179	-0.0026	18	-22 57 58.58	0.023	18	0.34	22.222	16	33.4	58.97	16	33.4	K2 J	14	9585	E -22 9627
24		8.4R	46 29.441	-0.0041	20	-28 34 57.20	0.049	20	0.36	29.508	16	33.4	58.02	16	33.4	A5 J	13B	8210	J -28 9720
25		8.7A	46 31.676	-0.0034	17	-20 20 9.32	-0.002	13	0.30	31.733	18	33.3	9.29	16	33.3	A2 J	12B	5538	A -19 3577
26		9.0A	46 32.291	0.0015	18	-20 1 20.71	-0.002	13	0.31	32.267	18	33.3	20.68	16	33.3	K0 J	12B	5539	A -19 3578
27		8.7R	46 35.339	0.0003	12	-26 15 16.55	-0.020	12	0.25	35.334	16	33.4	16.23	16	33.4	K0 J	14	9586	E -25 9454
28		8.8A	46 36.875	-0.0029	17	-21 31 14.90	-0.002	13	0.30	36.923	16	33.4	14.87	16	33.4	F8 J	13A	5540	A -20 3722
29		9.4R	46 41.965	0.0043	18	-25 23 33.97	0.006	18	0.34	41.894	16	33.4	34.07	16	33.4	K0 M	14	9587	E -2410548
30		8.8A	46 45.250	0.0003	17	-22 7 7.34	-0.067	13	0.30	45.245	16	33.4	6.22	16	33.4	F8 J	13A	5541	A -21 3612
31		8.1R	46 45.491	-0.0085	18	-25 1 23.11	-0.049	18	0.34	45.633	16	33.4	22.30	16	33.4	G0 J	14	9588	E -2410550
32		9.4R	46 49.899	0.0003	18	-25 49 24.43	0.020	18	0.34	49.893	16	33.4	24.77	16	33.4	F5 M	14	9589	E -25 9457
33		9.3R	46 53.504	-0.0017	18	-24 2 27.64	-0.043	18	0.34	53.531	16	33.4	26.92	16	33.4	K0 M	14	9590	E -2310749
34		9.2R	46 59.386	0.0002	15	-24 58 29.60	-0.007	15	0.30	59.383	16	33.4	29.49	16	33.4	F5 M	14	9591	E -2410552
35		8.1R	46 59.817	-0.0027	18	-24 8 20.87	0.032	18	0.34	59.862	16	33.4	21.40	16	33.4	K0 J	14	9592	E -2310751
36		8.6R	47 7.010	0.0014	12	-28 53 35.03	-0.032	12	0.25	6.986	16	33.4	34.50	16	33.4	K5 J	13B	8213	J -28 9725
37		9.1A	47 10.094	-0.0018	15	-21 40 23.05	-0.017	11	0.27	10.124	16	33.4	22.77	16	33.4	F5 J	13A	5543	A -21 3614
38		8.4A	47 10.611	-0.0004	17	-20 58 59.20	0.006	13	0.30	10.617	16	33.4	59.30	16	33.4	K2 J	13A	5544	A -20 3724
39		8.8A	47 14.032	-0.0013	13	-22 6 56.90	0.003	09	0.25	14.063	16	33.4	56.95	16	33.4	M0 J	13A	5545	A -21 3615
40		8.5R	47 14.738	-0.0020	15	-27 29 7.29	0.004	15	0.30	14.771	16	33.4	7.36	16	33.4	K2 J	13B	8214	J -27 8881
41		8.5T	47 27.652	-0.0140	12	-25 34 8.77	-0.038	12	0.63	28.374	17	98.6	6.85	17	98.8	F8	GC	17421	C*-25 9461
42		8.9A	47 32.018	-0.0054	17	-20 5 34.55	-0.045	13	0.30	32.108	18	33.3	33.86	16	33.3	G5 J	12B	5546	A -19 3582
43		8.2R	47 39.877	0.0011	18	-23 56 40.27	-0.120	18	0.34	39.858	16	33.4	38.27	16	33.4	G5 J	14	9594	E -2310759
44		9.5R	47 46.215	0.0014	18	-26 22 34.43	0.000	00	0.26	46.191	16	33.4	34.44	16	33.4	F8 M	14	9595	E -25 9465
45		8.4R	47 48.541	0.0002	12	-26 23 12.39	0.004	12	0.25	48.538	16	33.4	12.46	16	33.4	F0 J	14	9596	E -25 9466
46		9.3R	47 48.799	0.0012	18	-24 46 34.62	0.005	18	0.34	48.779	16	33.4	34.71	16	33.4	M0 M	14	9597	E -2410558
47		9.5R	47 49.027	-0.0022	18	-23 58 42.52	-0.010	18	0.34	49.063	16	33.4	42.35	16	33.4	F8 M	14	9598	E -2310763
48		7.7R	47 49.395	-0.0034	12	-27 34 42.18	-0.018	12	0.25	0.452	16	33.4	41.88	16	33.4	G5 J	13B	8219	J -27 8887
49		8.9R	48 4.735	-0.0012	17	-29 27 59.28	-0.057	17	0.32	4.755	16	33.4	58.33	16	33.4	F5 M	13B	8220	J -29 9955
50		8.4R	48 5.197	-0.0001	15	-28 2 52.04	0.014	15	0.30	5.200	16	33.4	52.27	16	33.4	A2 J	13B	8221	J -27 8889
51		9.5R	12 48 14.360	0.0031	18	-24 27 54.30	0.003	18	0.34	14.358	16	33.4	54.35	16	33.4	F8 M	14	9600	E -2410563
52		8.7A	48 21.382	-0.0018	11	-20 58 6.61	-0.001	09	0.23	21.411	16	33.4	6.59	16	33.4	K7 J	13A	5548	A -20 3728
53		8.6R	48 23.943	-0.0064	12	-26 10 46.92	0.018	12	0.25	24.048	16	33.4	47.22	16	33.4	K0 J	14	9601	E -25 9471
54		8.9R	48 24.687	-0.0006	15	-26 53 35.30	-0.002	15	0.30	24.697	16	33.4	53.27	16	33.4	F8 J	14	9602	E -2410565
55		8.0T	48 24.794	-0.0053	13	-28 54 20.25	0.003	11	0.61	25.043	22	02.8	20.40	22	00.3	A2	GC	17438	C -28 9735
56		9.2R	48 26.947	-0.0006	12	-25 58 0.18	-0.014	12	0.25	26.957	16	33.4	59.95	16	33.4	F5 M	14	9603	E -25 9472
57		9.0R	48 27.760	0.0008	12	-27 34 57.01	0.012	12	0.25	27.748	16	33.4	57.21	16	33.4	G0 J	13B	8223	J -27 8892
58		9.2R	48 30.370	0.0017	18	-24 32 4.95	-0.012	18	0.34	30.341	16	33.4	4.75	16	33.4	G5 J	14	9604	E -2410566
59		8.8A	48 34.458	0.0002	17	-20 5 36.88	0.015	13	0.30	34.455	18	33.3	37.13	16	33.3	A2 J	12B	5550	A -19 3588
60		8.7R	48 39.026	-0.0048	20	-28 42 41.46	-0.054	20	0.36	39.156	16	33.4	40.57	16	33.4	F5 J	13B	8225	J -28 9738
61		9.0R	48 45.630	0.0012	18	-25 5 25.23	0.050	18	0.34	45.610	16	33.4	26.07	16	33.4	K0 M	14	9605	E -2410569
62		9.0R	48 49.790	-0.0061	12	-25 39 19.63	0.129	12	0.25	49.891	16	33.4	21.78	16	33.4	G0 J	14	9606	E -25 9475
63		9.0R	48 49.817	-0.0009	20	-27 34 58.77	0.031	20	0.36	49.831	16	33.4	59.29	16	33.4	A3 J	13B	8226	J -27 8895
64		8.9R	48 57.135	-0.0022	12	-25 33 36.93	0.021	12	0.25	57.171	16	33.4	37.28	16	33.4	K0 J	14	9608	E -25 9477
65		9.0R	49 0.038	-0.0010	18	-27 28 52.17	0.007	18	0.34	0.055	16	33.4	52.29	16	33.4	G5 J	13B	8228	J -27 8896
66		9.3R	49 5.229	0.0029	18	-27 16 50.62	-0.015	18	0.34	5.181	16	33.4	50.37	16	33.4	A2 J	13B	8230	J -26 9366
67		9.2R	49 11.790	-0.0018	12	-23 20 55.49	-0.025	12	0.25	11.819	16	33.4	55.08	16	33.4	F8 M	14	9609	E -22 9643
68		9.3R	49 14.206	-0.0026	20	-28 47 51.59	0.010	20	0.36	14.245	16	33.4	51.76	16	33.4	K0 M	13B	8233	J -28 9745
69		6.1T	49 17.197	-0.0083	10	-26 28 1.25	0.035	10	0.58	17.647	15	95.5	3.23	15	93.8	A0	GC	17456	C -26 9369
70		8.0R	49 18.483	0.0019	18	-24 26 7.10	-0.004	18	0.34	18.452	16	33.4	7.03	16	33.4	K2 J	14	9611	E -2410571
71		8.3R	49 22.415	0.0004	17	-28 27 28.58	-0.023	17	0.32	22.409	16	33.4	28.20	16	33.4	K0 J	13B	8236	J -28 9747
72		9.1A	49 25.838	-0.0043	17	-20 3 2.91	-0.004	13	0.30	25.911	18	33.3	2.85	16	33.3	G0 J	12B	5552	A -19 3589
73		8.2R	49 26.638	-0.0040	12	-26 11 16.47	-0.144	12	0.25	26.705	16	33.4	14.08	16	33.4	G0 J	14	9612	E -25 9481
74		9.6R	49 33.989	-0.0040	20	-22 53 36.28	0.082	20	0.36	34.056	16	33.4	37.65	16	33.4	G0 M	14	9613	E -22 9648
75		9.3R	49 34.873	-0.0061	12	-25 59 24.18	-0.006	12	0.25	34.975	16	33.4	24.08	16	33.4	F8 M	14	9614	E -25 9482
76		9.3R	49 37.793	0.0023	18	-22 43 15.93	-0.003	18	0.34	37.754	16	33.4	15.89	16	33.4	K0 M	14	9615	E -22 9649
77		9.5R	49 40.095	0.0000	18	-24 19 27.22	0.010	18	0.34	40.084	16	33.4	27.38	16	33.4	G5 M	14	9616	E -2310779
78		9.4R	49 52.806	-0.0022	15	-25 4 8.05	-0.051	15	0.30	52.843	16	33.4	7.21	16	33.4	K0 M	14	9617	E -2410573
79		7.4T	49 53.927	-0.0041	20	-22 51 51.74	0.033	18	0.92	54.121	18	02.1	53.31	21	03.0	G5	GC	17467	-22 3462
80		8.7R	49 54.344	-0.0000	17	-29 13 20.96	-0.017	17	0.32	54.344	16	33.4	20.68	16	33.4	M0 M	13B	8238	J -28 9751
81		8.9R	49 54.617	0.0024	15	-26 47 1.17	-0.027	15	0.30	54.578	16	33.4	0.73	16	33.4	F2 J	14	9618	E -26 9376
82		8.6A	49 57.092	-0.0009	13	-20 39 16.99	-0.025	09	0.25	57.107	16	33.4	16.56	16	33.4	F8 J	13A	5554	A -20 3730
83		9.0R	49 57.967	0.0013	20	-28 44 43.03	0.038	20	0.36	57.944	16	33.4	43.67	16	33.4	F8 J	13B	8240	J -28 9754
84		8.5R	49 58.881	-0.0001	20	-28 26 11.80	-0.024	20	0.36	58.882	16	33.4	11.40	16	33.4	F8 J	13B	8241	J -28 9755
85		9.6R	50 1.718	-0.0063	20	-22 53 5.94	0.070	20	0.36	1.822	16	33.4	7.11	16	33.4	K0 M	14	9620	E -22 9652
86		9.0R	50 3.247	0.0004	18	-23 58 35.79	-0.020	18	0.34	3.240	16	33.4	35.45	16	33.4	F8 M	14	9622	E -2310782
87		9.0R	50 3.345	-0.0001	12	-25 43 55.43	0.025	12	0.25	3.347	16	33.4	55.85	16	33.4	M5 M	14	9621	E -25 9487
88		9.0R	50 4.915	0.0032	12	-25 12 39.25	-0.006	12	0.25	4.862	16	33.4	39.15	16	33.4	K5 J	14	9623	E -2410577
89		9.4R	50 16.777	0.0008	20	-28 17 50.45	-0.021	20	0.36	16.764	16	33.4	50.11	16	33.4	G0 M	13B	8243	J -27 8903
90		9.0R	50 22.648	-0.0016	20	-29 47 58.70	-0.029	20	0.36	22.676	16	33.4	58.21	16	33.4	K0 M	13B	8244	J -29 9981
91		8.6R	50 25.156	-0.0046	12	-26 14 58.51	-0.004	12	0.25	25.232	16	33.4	58.44	16	33.4	F8 J	14	9624	E -25 9489
92		8.6R	50 26.405	0.0013	18	-22 53 41.17	-0.003	18	0.34	26.384	16	33.4	41.13	16	33.4	G5 J	14	9625	E -22 9657
93		7.7T	50 34.782	-0.0015	10	-29 44 37.33	-0.001	09	0.55	34.867	19	95.3	37.27	18	92.9	K0	GC	17483	C -29 9983
94		9.0R	50 36.438	0.0002	20	-29 59 38.25	-0.042	20	0.36	36.441	16	33.4	37.54	16	33.4	K0 M	13B	8246	J -29 9984
95		9.3R	50 37.545	-0.0029	20	-29 56 16.09	-0.137	20	0.36	37.593	16	33.4	13.81	16	33.4	G5 M	13B	8248	J -29 9985
96		9.4R	50 38.341	-0.0026	20	-22 40 28.33	-0.011	20	0.36	38.385	16	33.4	28.15	16	33.4	F5 M	14	9627	E -22 9658
97		9.0R	50 38.935	0.0071	15	-26 25 31.81	-0.020	15	0.30	38.816	16	33.4	31.48	16	33.4	K0 J	14	9626	E -26 9381
98		8.8R	50 43.063	-0.0031	17	-29 2 49.95	-0.017	17	0.32	43.114	16	33.4	49.67	16	33.4	G5 J	13B	8249	J -28 9769
99		9.2R	50 51.067	-0.0004	18	-24 59 42.17	0.005	18	0.34	51.074	16	33.4	42.26	16	33.4	K5 J	14	9628	E -2410583
00		8.6A	50 51.384	-0.0019	13	-21 1 35.80	-0.012	09	0.25	51.415	16	33.4	35.60	16	33.4	K5 J	13A	5558	A -20 3734

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181200

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	σ'_μ ″.001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.		SOURCE CAT.	STAR NUMBER	DM NUMBER
1		9.5R	12 50 52.905	-0.0056	15	-22 36 6.03	-0.037	15	0.30	52.998	16	33.4	5.42	16	33.4	K7	J	14	9629	E -22 9659
2		7.8R	51 1.227	-0.0014	15	-27 7 57.45	-0.061	15	0.30	1.250	16	33.4	56.44	16	33.4	F8	J	14	9630	E -26 9385
3		8.2R	51 2.018	-0.0039	18	-22 50 17.19	-0.021	18	0.34	2.082	16	33.4	16.85	16	33.4	F8	J	14	9631	E -22 9662
4		9.5R	51 17.259	-0.0037	20	-29 25 17.51	-0.064	20	0.36	17.321	16	33.4	16.45	16	33.4	F0	M	13B	8252	J -29 9993
5		8.5R	51 20.148	-0.0004	12	-25 28 56.96	-0.016	12	0.25	20.154	16	33.4	56.70	16	33.4	A0	J	14	9632	E -25 9493
6		8.7R	51 28.200	-0.0011	15	-27 17 38.27	0.003	15	0.30	28.218	16	33.4	38.32	16	33.4	A2	J	13B	8253	J -26 9388
7		8.0R	51 30.441	-0.0010	12	-29 7 58.97	0.018	12	0.25	30.458	16	33.4	59.27	16	33.4	A0	J	13B	8254	J -28 9777
8		9.2R	51 35.183	0.0071	12	-25 15 48.27	-0.013	12	0.25	35.065	16	33.4	48.06	16	33.4	K2	J	14	9633	E -2410592
9		9.1R	51 44.346	-0.0031	20	-28 58 33.48	-0.001	20	0.36	44.397	16	33.4	33.47	16	33.4	G	M	13B	8257	J -28 9779
10		8.8A	51 45.840	-0.0019	11	-20 57 7.59	0.009	09	0.23	45.871	16	33.4	7.74	16	33.4	M0	J	13A	5562	A -20 3737
11		8.4R	51 46.714	0.0032	18	-24 18 44.75	-0.002	18	0.34	46.661	16	33.4	44.71	16	33.4	K2	J	14	9635	E -2310800
12		9.0R	51 52.714	0.0026	17	-29 10 2.05	-0.016	17	0.32	52.670	16	33.4	1.79	16	33.4	M	M	13B	8258	J -28 9781
13		9.0R	51 57.233	-0.0003	20	-29 8 7.26	0.022	20	0.36	57.237	16	33.4	7.63	16	33.4	K	M	13B	8259	J -28 9782
14		9.2R	51 58.024	-0.0038	12	-26 8 23.27	-0.038	12	0.25	58.087	16	33.4	22.64	16	33.4	K0	M	14	9636	E -25 9496
15		9.1R	52 7.787	-0.0051	12	-25 33 52.66	-0.022	12	0.25	7.871	16	33.4	52.30	16	33.4	G5	J	14	9637	E -25 9497
16		8.1R	52 11.218	-0.0008	18	-25 9 22.64	-0.014	18	0.34	11.231	16	33.4	22.41	16	33.4	K2	J	14	9638	E -2410598
17		8.8R	52 12.999	-0.0048	18	-27 11 31.63	-0.020	18	0.34	13.079	16	33.4	31.30	16	33.4	G5	J	14	9639	E -26 9395
18		9.8R	52 14.805	-0.0018	20	-23 28 59.03	0.039	20	0.36	14.834	16	33.4	59.69	16	33.4	G0	M	14	9640	E -2310805
19		9.3R	52 26.201	-0.0026	15	-27 56 19.59	0.023	15	0.30	26.244	16	33.4	19.98	16	33.4	K	M	13B	8263	J -27 8921
20		9.0R	52 27.748	-0.0001	20	-29 24 56.57	0.016	20	0.36	27.750	16	33.4	56.84	16	33.4	F8	J	13B	8264	J -2910009
21		9.6R	52 29.465	0.0039	18	-24 9 46.96	0.014	18	0.34	29.400	16	33.4	47.19	16	33.4	K0	M	14	9642	E -2310808
22		7.0R	52 29.937	0.0006	18	-24 41 5.11	-0.013	18	0.34	29.926	16	33.4	4.90	16	33.4	K2	J	14	9643	E -2410601
23		9.0R	52 30.481	-0.0022	20	-27 38 1.97	0.028	20	0.36	30.518	16	33.4	2.44	16	33.4	K0	M	13B	8265	J -27 8922
24		8.4R	52 32.565	-0.0007	15	-27 45 33.09	0.017	15	0.30	32.576	16	33.4	33.38	16	33.4	G5	J	13B	8267	J -27 8923
25		9.1R	52 32.818	-0.0016	20	-29 2 8.15	0.002	20	0.36	32.845	16	33.4	8.18	16	33.4	K2	J	13B	8266	J -28 9790
26		9.1R	52 33.022	0.0014	18	-28 11 4.27	-0.063	18	0.34	33.000	16	33.4	3.23	16	33.4	A2	J	13B	8268	J -27 8924
27		9.1R	52 42.113	0.0005	18	-23 25 59.54	0.002	18	0.34	42.104	16	33.4	59.58	16	33.4	F5	J	14	9644	E -2310812
28		8.4A	52 44.237	-0.0056	11	-21 28 42.82	-0.009	09	0.23	44.329	16	33.4	42.67	16	33.4	G0	J	13A	5567	A -20 3742
29		9.0R	52 44.628	0.0016	18	-22 26 37.78	0.025	18	0.34	44.602	16	33.4	38.19	16	33.4	M0	J	14	9645	E -22 9673
30		9.2R	52 49.066	-0.0037	18	-25 18 57.98	0.016	18	0.34	49.127	16	33.4	58.25	16	33.4	K5	M	14	9646	E -2410606
31		6.7T	52 49.622	0.0009	09	-29 47 56.63	0.004	08	0.51	49.570	15	95.5	56.86	15	91.3	A2		GC	17537	C -2910014
32		9.1R	52 52.601	-0.0046	15	-24 15 20.92	-0.037	15	0.30	52.678	16	33.4	20.30	16	33.4	K5	M	14	9647	E -2310814
33		9.3R	52 54.783	-0.0006	18	-22 40 28.11	-0.015	18	0.34	54.793	16	33.4	27.87	16	33.4	K0	M	14	9648	E -22 9674
34		8.6R	53 1.428	-0.0035	15	-27 8 55.84	-0.024	15	0.30	1.487	16	33.4	55.44	16	33.4	A0	J	14	9649	E -26 9400
35		9.3R	53 10.993	-0.0018	12	-25 55 58.37	-0.018	12	0.25	11.023	16	33.4	58.08	16	33.4	F0	M	14	9650	E -25 9502
36		9.5R	53 12.420	-0.0017	18	-22 41 0.25	0.019	18	0.34	12.448	16	33.4	0.57	16	33.4	F0	M	14	9651	E -22 9676
37		9.5R	53 13.081	-0.0021	18	-23 19 34.91	0.069	18	0.34	13.045	16	33.4	36.07	16	33.4	G5	M	14	9652	E -22 9675
38		9.5R	53 21.376	-0.0024	20	-23 52 17.79	0.029	20	0.36	21.415	16	33.4	18.27	16	33.4	K0	M	14	9653	E -2310820
39		8.9R	53 27.014	-0.0014	15	-24 43 53.87	-0.013	15	0.30	27.036	16	33.4	53.66	16	33.4	M0	M	14	9654	E -2410613
40		9.3R	53 38.373	-0.0001	12	-27 30 42.41	-0.036	12	0.25	38.376	16	33.4	41.82	16	33.4	G	M	13B	8274	J -27 8936
41		9.1R	53 41.117	-0.0030	12	-29 51 10.03	-0.009	12	0.25	41.167	16	33.4	9.88	16	33.4			13B	8276	J -2910021
42		9.5R	53 44.158	-0.0019	15	-25 12 17.03	0.029	15	0.30	44.190	16	33.4	17.52	16	33.4	G0	M	14	9655	E -2410618
43		9.0R	53 45.706	-0.0019	20	-29 4 32.04	-0.043	20	0.36	45.737	16	33.4	31.33	16	33.4	K	M	13B	8277	J -28 9801
44		6.8T	53 48.447	0.0009	06	-26 11 22.32	-0.020	06	0.30	48.403	10	04.2	21.37	10	01.5	G0		GC	17558	C*-25 9508
45		8.5R	53 49.661	-0.0029	12	-26 18 56.91	0.002	12	0.25	49.709	16	33.4	56.95	16	33.4	G5	J	14	9657	E -25 9509
46		8.4R	53 52.372	-0.0032	12	-27 6 3.48	-0.097	12	0.25	52.426	16	33.4	1.87	16	33.4	G5	J	14	9658	E -26 9413
47		9.0R	53 54.281	0.0047	17	-29 44 0.05	0.006	17	0.32	54.203	16	33.4	0.14	16	33.4	K0	J	13B	8278	J -2910022
48		9.0A	53 57.189	-0.0106	17	-20 8 24.60	-0.106	13	0.30	57.366	18	33.3	22.84	16	33.3	G0	J	12B	5574	A -19 3603
49		9.3R	54 1.002	-0.0003	12	-25 41 41.40	-0.016	12	0.25	1.006	16	33.4	41.15	16	33.4	K0	J	14	9659	E -25 9511
50		7.4R	54 1.832	-0.0003	18	-24 10 49.52	-0.005	18	0.34	1.836	16	33.4	49.43	16	33.4	K2	J	14	9660	E -2310822
51		7.6R	12 54 3.179	-0.0058	12	-27 6 43.25	-0.002	15	0.27	3.275	16	33.4	43.22	16	33.4	K0	J	14	9661	E -26 9414
52		9.2R	54 6.129	0.0037	12	-25 6 58.52	0.018	12	0.25	6.068	16	33.4	58.83	16	33.4	G5	J	14	9662	E -2410620
53		8.9R	54 14.377	-0.0029	12	-26 17 5.90	0.009	12	0.25	14.424	16	33.4	6.05	16	33.4	K0	J	14	9663	E -25 9514
54		9.6R	54 14.707	-0.0038	17	-22 34 39.12	-0.007	17	0.32	14.770	16	33.4	39.01	16	33.4	G0	M	14	9664	E -22 9681
55		8.7R	54 16.802	-0.0048	15	-26 56 45.83	-0.038	15	0.30	16.882	16	33.4	45.20	16	33.4	G5	J	14	9665	E -26 9416
56		9.1R	54 21.962	-0.0002	17	-29 2 55.73	-0.003	17	0.32	21.965	16	33.4	55.68	16	33.4	K	M	13B	8281	J -28 9805
57		8.3R	54 22.760	-0.0015	18	-24 17 3.13	-0.018	18	0.34	22.785	16	33.4	2.82	16	33.4	K2	J	14	9666	E -2310825
58		8.9R	54 26.055	-0.0011	15	-27 16 49.65	-0.009	15	0.30	26.074	16	33.4	49.80	16	33.4	F8	M	13B	8282	J -26 9417
59		7.2T	54 30.185	-0.0025	10	-21 54 6.01	-0.031	09	0.52	30.314	17	98.3	4.35	15	96.6	A0		GC	17575	-21 3634
60		9.1R	54 35.864	-0.0034	12	-26 26 48.66	0.012	12	0.25	35.920	16	33.4	48.86	16	33.4	K0	J	14	9668	E -26 9420
61		9.0R	54 36.855	-0.0039	20	-29 52 53.53	-0.028	20	0.36	36.921	16	33.4	53.06	16	33.4	G0	J	13B	8284	J -2910028
62		7.2T	54 37.551	-0.0054	14	-28 35 50.35	-0.003	11	0.67	37.822	18	99.6	50.20	17	97.9	A3		GC	17578	C -28 9808
63		9.7R	54 43.417	-0.0058	20	-23 34 38.57	-0.039	20	0.36	43.513	16	33.4	37.92	16	33.4	F8	M	14	9669	E -2310826
64		9.3R	54 52.496	-0.0019	15	-24 46 54.32	0.005	15	0.30	52.440	16	33.4	54.41	16	33.4	A2	M	14	9670	E -2410634
65		6.4T	54 52.837	-0.0039	09	-22 29 0.49	-0.034	09	0.37	52.994	10	09.8	-59.12	12	09.9	G5		GC	17585	-21 3635
66		8.8R	54 56.648	0.0040	18	-24 57 39.79	-0.019	18	0.34	56.581	16	33.4	39.48	16	33.4	K0	M	14	9672	E -2410636
67		9.2R	54 58.777	-0.0006	17	-28 38 57.37	-0.032	17	0.32	58.787	16	33.4	56.84	16	33.4	F5	J	13B	8289	J -28 9809
68		9.0R	55 3.549	0.0015	20	-29 10 40.68	-0.023	20	0.36	3.524	16	33.4	40.30	16	33.4	F5	J	13B	8290	J -28 9810
69		8.7A	55 7.428	-0.0006	17	-20 35 51.69	0.030	13	0.30	7.438	16	33.4	52.19	16	33.4	A2	J	13A	5579	A -20 3749
70		9.6R	55 11.574	0.0021	18	-23 40 12.53	-0.020	18	0.34	11.538	16	33.4	12.19	16	33.4	G0	M	14	9673	E -2310830
71		8.6R	55 20.351	-0.0008	15	-26 50 16.31	-0.013	15	0.30	20.365	16	33.4	16.10	16	33.4	K0	J	14	9674	E -26 9427
72		8.7R	55 22.071	-0.0046	15	-26 39 22.17	0.000	15	0.30	22.147	16	33.4	22.18	16	33.4	K2	J	14	9676	E -26 9429
73		8.9R	55 28.692	0.0020	12	-28 0 36.78	-0.002	12	0.25	28.658	16	33.4	36.75	16	33.4	G0	J	13B	8291	J -27 8946
74		6.8T	55 29.527	-0.0091	11	-22 47 6.38	-0.016	08	0.53	30.009	15	96.8	5.51	15	94.4	F2		GC	17595	B*-22 3482
75		7.9A	55 36.826	-0.0005	17	-20 6 49.36	-0.061	13	0.30	36.835	18	33.3	48.35	16	33.3	K0	J	12B	5583	A -19 3607
76		8.0R	55 37.058	-0.0042	15	-24 53 43.27	-0.005	15	0.30	37.128	16	33.4	43.19	16	33.4	K2	J	14	9678	E -2410641
77		9.0R	55 37.977	-0.0032	12	-27 4 22.86	-0.010	12	0.25	38.031	16	33.4	22.70	16	33.4	A2	J	14	9679	E -26 9433
78		9.5R	55 42.314	0.0004	18	-24 13 0.25	-0.018	18	0.34	42.307	16	33.4	-59.95	16	33.4	A0	M	14	9680	E*-2310834
79		8.6R	55 53.899	0.0005	18	-23 2 2.89	-0.009	18	0.34	53.890	16	33.4	2.75	16	33.4	K0	J	14	9681	E -22 9691
80		9.5R	55 54.410	0.0005	18	-24 10 40.92	-0.000	18	0.34	54.402	16	33.4	40.92	16	33.4	F2	M	14	9682	E -2310835
81		8.8R	55 57.151	0.0008	18	-22 35 18.82	-0.001	18	0.34	57.137	16	33.4	18.81	16	33.4	K5	J	14	9683	E -22 9692
82		9.4R	56 1.633	-0.0098	20	-28 43 36.99	-0.010	20	0.36	1.796	16	33.4	36.82	16	33.4	K	M	13B	8297	J -28 9816
83		7.3T	56 13.962	-0.0010	13	-29 43 44.51	-0.020	12	0.68	14.011	18	98.7	43.43	18	96.2	M0		GC	17606	C*-2910043
84		6.7T	56 17.488	0.0030	09	-21 16 36.17	-0.031	07	0.44	17.352	18	04.1	34.52	17	97.2	K0		GC	17611	-20 3757
85		8.9R	56 23.845	0.0003	12	-29 16 2.69	0.000	12	0.25	23.839	16	33.4	2.70	16	33.4	K5	M	13B	8299	J -28 9819
86		8.4R	56 25.766	-0.0014	12	-27 25 35.74	0.016	12	0.25	25.790	16	33.4	36.01	16	33.4	K0	J	13B	8300	J -27 8952
87		8.9R	56 26.673	-0.0001	15	-28 7 21.94	-0.007	15	0.30	26.674	16	33.4	21.83	16	33.4	K5	M	13B	8301	J -27 8953
88		9.2R	56 30.472	0.0022	20	-28 29 37.34	0.025	20	0.36	30.435	16	33.4	37.76	16	33.4	K0	M	13B	8303	J -28 9820
89		8.9A	56 36.854	-0.0067	17	-21 12 10.50	-0.060	13	0.30	36.965	16	33.4	9.50	16	33.4	G5	J	13A	5586	A -20 3756
90		8.2R	56 42.594	-0.0004	17	-29 12 26.61	-0.003	17	0.32	42.600	16	33.4	26.56	16	33.4	K5	J	13B	8304	J -28 9822
91		8.3A	56 45.989	0.0008	17	-21 51 29.73	-0.000	13	0.30	45.976	16	33.4	29.73	16	33.4	K2	J	13A	5587	A -21 3639
92		9.4R	56 47.354	-0.0012	20	-22 29 31.37	-0.003	20	0.36	47.375	16	33.4	31.32	16	33.4	F8	M	14	9686	E -22 9698
93		9.2R	56 59.605	-0.0048	12	-26 32 11.89	0.018	12	0.25	59.685	16	33.4	12.19	16	33.4	A5	M	14	9687	E -26 9450
94		9.0R	57 2.936	0.0011	12	-26 7 23.49	0.024	12	0.25	2.918	16	33.4	23.89	16	33.4	F8	J	14	9688	E -25 9545
95		9.1A	57 8.539	-0.0010	17	-21 47 49.07	-0.029	13	0.30	8.556	16	33.4	48.59	16	33.4	F8	J	13A	5589	A -21 3641
96		8.9A	57 8.755	-0.0036	17	-21 6 55.25	-0.042	13	0.30	8.816	16	33.4	54.55	16	33.4	K2	J	13A	5590	A -20 3760
97		7.8A	57 8.807	-0.0085	15	-20 1 19.42	-0.031	11	0.27	8.947	18	33.3	18.91	16	33.3	F8	J	12B	5591	A -19 3612
98		9.4R	57 14.492	0.0059	15	-27 36 4.41	-0.027	15	0.30	14.394	16	33.4	3.97	16	33.4	K0	M	13B	8306	J -27 8962
99		9.1R	57 23.480	-0.0069	15	-27 34 12.28	0.009	15	0.30	23.595	16	33.4	12.43	16	33.4	G5	J	13B	8308	J -27 8965
00		9.6R	57 23.541	-0.0004	12	-29 52 55.10	0.038	12	0.25	23.548	16	33.4	55.73	16	33.4	K2	M	13B	8307	J -2910089

-20° 12H

181300

-20° 12H

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.		SOURCE CAT.	STAR NUMBER	DM NUMBER
1		7.2R	12 57 32.160	0.0007	15	-23 38 41.36	-0.038	15	0.30	32.148	16	33.4	40.72	16	33.4	A2	J	14	9689K	E -2310855
2		9.5R	57 33.881	-0.0060	15	-23 54 0.82	-0.026	15	0.30	33.981	16	33.4	0.38	16	33.4	K	M	14	9695	E -2310851
3		8.8R	57 34.810	0.0017	18	-23 50 53.06	0.010	18	0.34	34.782	16	33.4	53.22	16	33.4	K0	M	14	9691	E -2310853
4		9.1R	57 35.000	-0.0001	18	-24 0 15.52	-0.036	18	0.34	35.002	16	33.4	14.92	16	33.4	K2	M	14	9692	E -2310852
5		8.7R	57 41.958	-0.0016	12	-28 44 46.30	-0.051	12	0.25	41.983	16	33.4	45.45	16	33.4	K0	J	13B	8311	J -28 9833
6		8.9R	57 42.420	0.0003	15	-24 45 57.85	-0.006	15	0.30	42.415	16	33.4	57.75	16	33.4	K5	J	14	9694	E -2410657
7		9.4A	57 46.540	0.0005	17	-20 6 35.37	-0.006	13	0.30	46.533	18	33.3	35.28	16	33.3	F8	J	12B	5594	A -19 3614
8		8.7A	57 49.346	-0.0004	13	-21 31 10.52	-0.037	09	0.25	49.963	16	33.4	9.90	16	33.4	K2	J	13A	5595	A -21 3643
9		9.4R	57 53.676	0.0023	12	-25 16 14.89	0.034	12	0.25	53.638	16	33.4	15.46	16	33.4	G5	M	14	9695	E -2410660
10		9.0R	58 3.453	-0.0056	15	-27 35 48.68	-0.004	15	0.30	3.546	16	33.4	48.62	16	33.4	A0	J	13B	8314	J -27 8972
11		9.1A	58 4.046	-0.0030	17	-20 5 29.54	-0.026	13	0.30	4.096	18	33.3	29.11	16	33.3	F5	J	12B	5596	A -19 3615
12		9.4R	58 15.288	0.0008	18	-25 5 16.30	0.007	18	0.34	15.275	16	33.4	16.42	16	33.4	K2	M	14	9696	E -2410662
13		8.0A	58 17.444	-0.0064	17	-21 9 25.62	0.011	13	0.30	17.551	16	33.4	25.80	16	33.4	F0	J	13A	5598	A -20 3766
14		9.3R	58 18.257	-0.0009	12	-27 38 59.06	0.028	12	0.25	18.272	16	33.4	59.53	16	33.4	K	M	13B	8316	J -27 8974
15		9.2R	58 22.150	-0.0028	17	-29 54 34.06	-0.002	17	0.32	22.197	16	33.4	34.02	16	33.4	K	M	13B	8317	J -2910065
16		8.9R	58 24.984	-0.0056	20	-29 55 30.31	0.020	20	0.36	25.077	16	33.4	30.64	16	33.4	K5	J	13B	8318	J -2910066
17		9.3R	58 25.769	-0.0005	12	-26 20 57.38	0.000	12	0.25	25.777	16	33.4	57.38	16	33.4	K0	M	14	9697	E -25 9555
18		9.1R	58 30.621	0.0006	17	-28 37 21.25	0.017	17	0.32	30.611	16	33.4	21.53	16	33.4	G5	J	13B	8319	J -28 9842
19		7.1A	58 33.388	-0.0017	15	-20 30 30.60	-0.018	11	0.27	33.416	16	33.4	30.30	16	33.4	K2	J	13A	5599	A -19 3617
20		9.7R	58 38.108	0.0045	20	-24 2 42.40	0.032	20	0.36	38.033	16	33.4	42.92	16	33.4	G0	M	14	9698	E -2310860
21		9.1R	58 42.016	-0.0065	12	-29 0 10.16	-0.044	12	0.25	42.124	16	33.4	9.43	16	33.4	G5	J	13B	8320	J -28 9843
22		8.1T	58 45.305	-0.0368	20	-27 6 11.53	-0.238	18	0.91	47.048	18	02.7	0.29	18	02.7	G0		GC	17670	C*-26 9470
23		9.1A	58 49.920	-0.0068	15	-22 10 0.27	0.044	11	0.27	50.033	16	33.4	1.00	16	33.4	K0	J	13A	5600	A -21 3644
24		9.4R	58 52.822	-0.0027	15	-23 12 55.23	0.008	15	0.30	52.867	16	33.4	55.37	16	33.4	K0	J	14	9700	E -22 9714
25		7.0T	58 54.751	0.0015	12	-24 23 49.46	-0.019	11	0.65	54.672	17	97.4	48.41	15	95.2	F0		GC	17675	C -2310862
26		9.4R	59 0.483	-0.0000	12	-25 30 45.99	0.020	12	0.25	0.483	16	33.4	46.32	16	33.4	K0	M	14	9702	E -25 9563
27		9.5R	59 3.392	-0.0014	15	-24 50 35.86	-0.033	15	0.30	3.415	16	33.4	30.32	16	33.4	G5	M	14	9703	E -2410670
28		9.1R	59 13.117	-0.0018	15	-27 14 58.87	0.004	15	0.30	13.147	16	33.4	58.94	16	33.4	A0	J	14	9705	E -26 9471
29		8.6R	59 13.963	-0.0009	18	-25 3 49.71	-0.038	18	0.34	13.978	16	33.4	49.08	16	33.4	F8	M	14	9706	E -2410676
30		9.0A	59 23.004	0.0013	17	-20 22 51.99	-0.011	13	0.30	22.982	16	33.4	51.81	16	33.4	K5	J	13A	5603	A -19 3619
31		9.6R	59 26.316	0.0008	20	-24 13 29.67	0.041	20	0.36	26.303	16	33.4	30.35	16	33.4	G5	M	14	9707	E -2310866
32		9.0A	59 27.038	-0.0075	15	-22 8 18.50	0.001	11	0.27	27.162	16	33.4	18.52	16	33.4	G0	J	13A	5605	A -21 3645
33		8.1R	59 38.645	-0.0130	12	-26 30 56.58	-0.203	12	0.25	38.862	16	33.4	53.21	16	33.4	K2	J	14	9708	E -26 9476
34		6.8T	59 39.700	-0.0028	11	-28 1 4.27	0.004	09	0.56	39.849	17	96.5	4.50	15	96.7	K0		GC	17686	C -27 8984
35		6.9T	59 41.920	-0.0028	13	-28 59 49.68	-0.017	12	0.67	42.061	15	99.3	48.78	17	96.5	A0		GC	17688K	C*-28 9853
36		9.4R	59 56.889	-0.0023	12	-26 11 48.19	0.013	12	0.25	56.926	16	33.4	48.41	16	33.4	F0	M	14	9709	E -25 9567
37		8.3R	13 0 0.940	-0.0065	15	-26 44 30.57	-0.007	15	0.30	1.048	16	33.4	30.46	16	33.4	K0	J	14	9711	E -26 9482
38		8.9R	0 3.176	-0.0007	15	-26 15 12.54	0.030	15	0.30	3.187	16	33.4	13.04	16	33.4	F0	M	14	9712	E -25 9568
39		9.0R	0 3.475	0.0078	20	-28 10 14.44	0.014	20	0.36	3.346	16	33.4	14.68	16	33.4	G0	J	13B	8332	J -27 8990
40		9.1R	0 5.613	-0.0009	15	-26 22 17.68	0.004	15	0.30	5.628	16	33.4	17.75	16	33.4	M2	M	14	9713	E -25 9569
41		9.2R	0 14.739	0.0008	15	-25 28 41.51	-0.038	15	0.30	14.727	16	33.4	40.88	16	33.4	K0	M	14	9714	E -25 9571
42		8.5A	0 17.716	-0.0111	18	-20 13 15.27	-0.066	13	0.31	17.901	18	33.3	14.18	16	33.3	F8	J	12B	5608	A -19 3624
43		8.3R	0 18.125	-0.0029	20	-27 14 5.89	-0.004	20	0.36	18.174	16	33.4	5.83	16	33.4	K2	J	14	9715	E -26 9486
44		8.3R	0 24.846	0.0012	18	-23 52 52.32	-0.034	18	0.34	24.826	16	33.4	51.75	16	33.4	K0	J	14	9716	E -2310874
45		8.8R	0 29.169	-0.0002	18	-23 2 27.70	-0.004	18	0.34	29.172	16	33.4	27.64	16	33.4	K2	J	14	9717	E -22 9725
46		8.9A	0 31.048	-0.0044	18	-20 56 30.81	0.012	13	0.31	31.120	16	33.4	31.01	16	33.4	K5	J	13A	5612	A -20 3768
47		9.3R	0 31.089	-0.0077	18	-23 46 56.28	-0.066	18	0.34	31.217	16	33.4	55.18	16	33.4	K0	M	14	9718	E -2310877
48		9.3R	0 36.486	-0.0050	20	-27 39 46.77	-0.001	20	0.36	36.603	16	33.4	46.76	16	33.4	G0	M	13B	8334	J -27 8995
49		7.4T	0 38.827	-0.0082	13	-29 23 44.11	0.007	12	0.68	39.297	15	98.8	44.49	18	95.9	F8		GC	17703	C -28 9862
50		8.5R	0 43.453	-0.0006	20	-29 35 25.41	0.016	20	0.36	43.462	16	33.4	25.67	16	33.4	K0	J	13B	8337	J -2910095
51		9.3R	13 0 45.695	0.0026	15	-24 9 4.92	-0.018	15	0.30	45.652	16	33.4	4.62	16	33.4	F0	M	14	9719	E -2310879
52		9.2R	0 47.749	0.0011	15	-23 40 20.29	-0.023	15	0.30	47.731	16	33.4	19.90	16	33.4	K0	M	14	9720	E -2310880
53		9.0R	0 53.695	-0.0029	20	-26 6 26.28	0.049	20	0.36	53.742	16	33.4	27.10	16	33.4	A0	J	14	9721	E -25 9576
54		8.8R	0 57.019	0.0008	20	-28 54 34.65	-0.034	20	0.36	57.006	16	33.4	34.09	16	33.4	K2	J	13B	8338	J -28 9866
55		9.2A	0 59.553	-0.0045	17	-20 9 49.83	-0.021	13	0.30	59.629	18	33.3	49.49	16	33.3	F8	J	12B	5614	A -19 3628
56		9.4R	0 59.652	-0.0050	18	-23 19 31.12	0.014	18	0.34	59.735	16	33.4	31.36	16	33.4	G5	M	14	9722	E -22 9728
57		5.7T	1 5.115	0.0099	08	-20 18 54.56	0.013	07	0.45	4.535	09	91.7	55.31	09	93.5	G0		GC	17711K	B*-19 3629
58		9.1R	1 9.009	-0.0028	15	-23 15 17.00	-0.048	15	0.30	9.055	16	33.4	16.21	16	33.4	F2	J	14	9724	E -22 9729
59		7.9T	1 9.191	-0.0095	15	-25 32 2.92	-0.009	14	0.73	9.652	18	01.2	2.50	18	01.3	F2		GC	17712	C -25 9581
60		9.2R	1 10.190	0.0023	20	-24 13 57.00	0.025	20	0.36	10.152	16	33.4	57.41	16	33.4	K0	J	14	9725	E -2310881
61		7.6T	1 14.028	-0.0028	14	-24 14 58.38	0.024	12	0.71	14.170	18	99.3	59.64	18	97.2	K0		GC	17713	C -2310882
62		9.0R	1 27.227	-0.0040	20	-27 54 12.97	0.016	20	0.36	27.294	16	33.4	13.24	16	33.4	K	M	13B	8341	J -27 9005
63		8.7R	1 37.263	-0.0023	12	-25 3 45.90	0.027	12	0.25	37.302	16	33.4	46.35	16	33.4	K7	M	14	9728	E -2410690
64		8.3R	1 38.699	-0.0116	15	-26 25 4.19	-0.026	15	0.30	38.891	16	33.4	3.77	16	33.4	G0	J	14	9729	E -26 9499
65		6.9T	1 40.609	0.0027	14	-28 8 16.19	-0.071	12	0.70	40.474	15	00.2	12.47	18	97.4	A0		GC	17723	C -27 9006
66		7.5R	1 43.098	-0.0001	12	-26 12 47.28	-0.053	12	0.25	43.099	16	33.4	46.40	16	33.4	K2	J	14	9730	E -25 9585
67		9.5R	1 44.354	-0.0025	20	-24 16 1.35	-0.007	00	0.28	44.396	16	33.4	1.23	16	33.4	K0	M	14	9731	E*-2310889
68		8.6R	1 52.266	-0.0026	18	-22 33 31.01	0.048	18	0.34	52.308	16	33.4	31.82	16	33.4	G0	J	14	9732	E -22 9736
69		8.7R	2 0.246	-0.0034	20	-26 37 56.38	0.020	20	0.36	0.306	16	33.4	56.72	16	33.4	K0	J	14	9733	E -26 9501
70		7.5A	2 11.767	-0.0019	17	-21 15 7.47	0.004	13	0.30	11.799	16	33.4	7.53	16	33.4	A3	J	13A	5618	A -20 3771
71		9.0A	2 13.696	-0.0005	17	-22 18 18.66	0.011	13	0.30	13.704	16	33.4	18.84	16	33.4	K0	J	13A	5619	A -21 3648
72		9.0R	2 13.818	0.0010	18	-22 32 42.01	-0.006	18	0.34	13.802	16	33.4	41.92	16	33.4	K0	J	14	9734	E -22 9739
73		8.6R	2 16.118	-0.0008	18	-26 49 52.61	0.010	18	0.34	16.131	16	33.4	52.78	16	33.4	K2	J	14	9735	E -26 9505
74		9.1R	2 21.021	-0.0079	20	-29 55 46.10	-0.015	20	0.36	21.154	16	33.4	45.85	16	33.4	F5	J	13B	8346	J -2910114
75		7.8T	2 27.436	-0.0123	13	-28 14 59.46	-0.032	11	0.68	28.086	15	97.1	57.75	14	96.1	G5		GC	17738	C -27 9018
76		8.7R	2 30.442	-0.0012	20	-29 50 8.37	0.024	20	0.36	30.463	16	33.4	8.77	16	33.4	A0	J	13B	8348	J -2910117
77		9.5R	2 35.037	0.0008	18	-23 23 4.25	0.000	18	0.34	35.024	16	33.4	4.26	16	33.4	K2	M	14	9737	E -22 9743
78		8.9R	2 50.601	0.0003	12	-25 45 9.61	-0.026	12	0.25	50.596	16	33.4	9.18	16	33.4	M5E	J	14	9738	E -25 9594
79		9.0R	2 58.431	0.0002	18	-22 38 1.90	0.007	18	0.34	58.434	16	33.4	2.03	16	33.4	K2	J	14	9739	E -22 9744
80		9.0R	3 5.225	-0.0013	12	-25 57 59.48	0.006	12	0.25	5.246	16	33.4	59.58	16	33.4	K0	M	14	9740	E -25 9602
81		8.9R	3 11.021	-0.0017	12	-26 29 57.14	0.003	12	0.25	11.048	16	33.4	57.19	16	33.4	K5	M	14	9741	E -26 9512
82		8.8R	3 14.163	0.0016	15	-27 43 57.74	-0.024	15	0.30	14.138	16	33.4	57.34	16	33.4	K5	J	13B	8353	J -27 9024
83		9.5R	3 20.677	-0.0026	18	-27 2 55.24	-0.010	18	0.34	20.720	16	33.4	55.08	16	33.4	K	M	14	9742	E -26 9514
84		9.5R	3 24.273	-0.0022	18	-23 23 38.78	-0.024	18	0.34	24.236	16	33.4	38.39	16	33.4	F8	M	14	9743	E -22 9748
85		8.8R	3 27.705	-0.0010	12	-25 44 17.65	0.000	12	0.25	27.721	16	33.4	17.66	16	33.4	K5	J	14	9744	E -25 9605
86		9.2R	3 44.751	-0.0002	17	-29 31 7.73	0.018	17	0.32	44.755	16	33.4	8.03	16	33.4	K	M	13B	8354	J -2910130
87		9.5R	3 45.056	-0.0006	18	-24 30 17.90	0.054	18	0.34	45.066	16	33.4	18.80	16	33.4	K0	M	14	9747	E -2410709
88		9.4R	3 49.530	-0.0002	15	-23 16 52.16	-0.029	15	0.30	49.533	16	33.4	51.69	15	33.4	K5	J	14	9748	E -22 9753
89		8.7R	3 53.521	-0.0036	17	-29 10 51.62	0.003	17	0.32	53.581	16	33.4	51.67	16	33.4	K5	J	13B	8356	J -28 9893
90		8.6A	4 0.731	0.0010	11	-20 54 58.65	-0.001	09	0.23	0.714	16	33.4	58.62	16	33.4	G0	J	13A	5627	A -20 3775
91		8.9R	4 10.963	-0.0040	15	-26 30 8.63	-0.006	15	0.30	11.030	16	33.4	8.53	16	33.4	F8	J	14	9749	E -26 9525
92		8.8R	4 15.841	-0.0039	12	-29 55 35.75	-0.044	12	0.25	15.907	16	33.4	35.01	16	33.4	F8	J	13B	8358	J -2910135
93		9.3R	4 19.316	-0.0004	15	-26 14 9.88	0.004	15	0.30	19.322	16	33.4	9.96	16	33.4	G5	M	14	9750	E -25 9610
94		8.4R	4 31.120	-0.0030	12	-27 31 45.59	-0.008	12	0.25	31.169	16	33.4	45.46	16	33.4	K0	J	13B	8360	J -27 9037
95		9.0R	4 38.970	-0.0012	12	-26 4 56.73	-0.026	12	0.25	38.989	16	33.4	56.30	16	33.4	K5	J	14	9751	E -25 9613
96		9.1R	4 46.653	-0.0072	17	-29 54 21.89	0.072	17	0.32	46.773	16	33.4	23.09	16	33.4	K	M	13B	8362	J -2910145
97		8.9R	4 48.545	0.0021	12	-27 51 1.75	0.002	12	0.25	48.511	16	33.4	1.78	16	33.4	F8	J	13B	8364	J -27 9039
98		8.0R	5 3.955	-0.0026	12	-29 12 28.18	-0.057	12	0.25	3.997	16	33.4	27.23	16	33.4	A3	J	13B	8367	J -28 9900
99		8.8A	5 4.551	-0.0022	15	-20 44 24.34	-0.020	11	0.27	4.587	16	33.4	24.00	16	33.4	F8	J	13A	5631	A -20 3782
00		8.2R	5 25.297	-0.0013	15	-23 19 18.93	-0.012	15	0.30	25.319	16	33.4	18.74	16	33.4	F8	J	14	9752	E -22 9764

181400

EPOCH 1950 — ORIGINAL EPOCH — SOURCE — −20° 13H

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	σ'_μ ″.001	σ_{1950} ″	α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.		CAT.	STAR NUMBER	DM NUMBER
1		8.0R	13 5 27.172	0.0007	15	-27 56 16.64	-0.006	15	0.30	27.161	16	33.4	16.54	16	33.4	K2	J	13B	8369	J -27 9047
2		8.7R	5 27.865	-0.0004	12	-27 19 52.62	0.016	15	0.27	27.872	16	33.4	52.89	16	33.4	K0	M	13B	8370	J -26 9537
3		8.8R	5 31.683	-0.0022	18	-24 58 8.59	-0.026	18	0.34	31.719	16	33.4	8.16	16	33.4	K2	J	14	9753	E -2410727
4		9.2R	5 36.199	-0.0039	12	-27 54 44.31	-0.013	12	0.25	36.264	16	33.4	44.10	16	33.4	A3	J	13B	8371	J -27 9049
5		8.5R	5 49.424	-0.0008	15	-27 42 21.37	-0.005	15	0.30	49.437	16	33.4	21.29	16	33.4	K2	J	13B	8372	J -27 9050
6		8.6R	5 50.484	0.0013	12	-23 24 45.14	-0.012	12	0.25	50.462	16	33.4	44.95	16	33.4	A0	J	14	9754	E -22 9769
7		8.8R	5 56.732	-0.0024	17	-29 46 36.85	-0.030	17	0.32	56.772	16	33.4	36.36	16	33.4	F8	J	13B	8374	J -2910151
8		6.8T	5 57.876	-0.0082	08	-22 50 20.93	-0.046	07	0.41	58.280	14	00.5	18.58	14	98.5	K0		GC	17896	B*-22 3513
9		7.5R	5 58.049	-0.0090	18	-23 33 19.77	0.006	18	0.34	58.198	16	33.4	19.87	16	33.4	F5	J	14	9755	E -2310920
10		5.1T	6 21.343	-0.0017	03	-22 51 4.21	-0.043	03	0.15	21.417	06	05.3	2.27	06	04.5	K0		GC	17813	B*-22 3515
11		8.5R	6 25.419	-0.0017	17	-28 46 33.61	0.036	17	0.32	25.447	16	33.4	34.21	16	33.4	K2	J	13B	8376	J -28 9911
12		8.0R	6 32.687	0.0018	18	-22 56 36.60	-0.056	18	0.34	32.658	16	33.4	35.68	16	33.4	F5	J	14	9758	E -22 9775
13		8.8R	6 33.805	-0.0017	18	-24 56 48.33	-0.003	18	0.34	33.833	16	33.4	48.28	16	33.4	K0	J	14	9759	E -2410737
14		9.0R	6 36.312	-0.0034	15	-23 10 58.34	-0.024	18	0.32	36.368	16	33.4	57.95	16	33.4	F8	J	14	9760	E -22 9776
15		8.5R	6 36.907	-0.0017	20	-29 33 52.60	-0.053	20	0.36	36.936	16	33.4	51.72	16	33.4	K5	M	13B	8380	J -2910157
16		8.2R	6 36.947	0.0029	12	-27 27 41.77	0.001	12	0.25	36.899	16	33.4	41.79	16	33.4	F8	J	13B	8381	J -27 9057
17		7.8A	6 40.888	-0.0017	13	-20 19 44.30	-0.010	09	0.26	40.916	18	33.3	44.14	16	33.3	K5	J	12B	5639	A -19 3639
18		8.3R	6 44.604	-0.0044	15	-22 35 8.45	-0.028	15	0.30	44.676	16	33.4	7.99	16	33.4	K2	J	14	9761	E -22 9778
19		8.2R	6 54.313	-0.0021	18	-24 28 24.95	0.007	18	0.34	54.348	16	33.4	25.06	16	33.4	K2	J	14	9762	E -2410739
20		7.3T	7 0.264	0.0110	15	-21 55 18.69	-0.347	13	0.73	-59.708	15	99.3	0.64	15	98.0	G5		GC	17819	-21 3660
21		9.1A	7 13.435	0.0030	15	-20 4 35.68	-0.055	11	0.27	13.385	18	33.3	34.77	16	33.3	G0	J	12B	5644	A -19 3643
22		9.1R	7 18.216	0.0006	15	-22 54 38.59	-0.027	15	0.30	18.206	16	33.4	38.15	16	33.4	G0	J	14	9764	E -22 9782
23		8.5R	7 27.245	-0.0016	18	-23 8 55.94	-0.024	18	0.34	27.272	16	33.4	55.55	16	33.4	A2	J	14	9765	E -22 9783
24		7.9R	7 28.324	-0.0048	18	-25 16 16.99	-0.018	18	0.34	28.405	16	33.4	16.70	16	33.4	G5	J	14	9766	E -2410745
25		8.4R	7 38.600	-0.0033	18	-23 35 43.40	-0.015	18	0.34	38.655	16	33.4	43.14	16	33.4	F2	J	14	9768	E -2310937
26		8.0R	7 38.833	0.0005	18	-23 21 31.58	-0.022	18	0.34	38.825	16	33.4	31.22	16	33.4	A0	J	14	9769	E -22 9785
27		8.0R	7 39.134	0.0020	18	-24 45 48.20	-0.009	18	0.34	39.100	16	33.4	48.05	16	33.4	F8	J	14	9767	E -2410748
28		8.2A	7 43.122	0.0003	15	-22 6 19.47	-0.044	11	0.27	43.117	16	33.4	18.74	16	33.4	K0	J	13A	5648	A -21 3662
29		8.6R	7 47.744	-0.0018	15	-23 39 36.99	-0.043	18	0.32	47.774	16	33.4	36.27	16	33.4	G5	J	14	9772	E -2310939
30		8.3R	7 47.781	-0.0116	12	-25 37 23.67	-0.004	12	0.25	47.973	16	33.4	23.61	16	33.4	G5	J	14	9771K	E -25 9642
31		8.7R	7 52.417	-0.0040	15	-23 44 38.22	-0.024	15	0.30	52.483	16	33.4	37.82	16	33.4	K0	J	14	9773	E -2310940
32		8.9R	7 56.958	0.0021	15	-28 2 10.76	0.001	15	0.30	56.924	16	33.4	10.78	16	33.4	K5	J	13B	8386	J -27 9074
33		9.0R	7 58.170	-0.0046	15	-27 5 6.58	-0.026	15	0.30	58.246	16	33.4	6.15	16	33.4	K0	M	14	9774	E -26 9557
34		9.5R	8 1.432	-0.0016	18	-24 52 20.51	-0.019	18	0.34	1.459	16	33.4	20.20	16	33.4	F5	M	14	9775	E -2410752
35		8.2R	8 2.987	0.0006	15	-24 5 21.78	-0.005	15	0.30	2.977	16	33.4	21.69	16	33.4	K2	J	14	9776	E -2310942
36		7.9R	8 5.098	-0.0225	18	-23 54 47.60	-0.049	18	0.34	5.471	16	33.4	46.78	16	33.4	G5	J	14	9777	E -2310943
37		9.1R	8 13.268	-0.0023	15	-26 16 9.20	0.004	15	0.30	13.307	16	33.4	9.28	16	33.4	K2	J	14	9778	E -25 9646
38		9.0R	8 15.345	-0.0025	12	-25 52 45.66	-0.014	12	0.25	15.386	16	33.4	45.43	16	33.4	F8	J	14	9779	E -25 9647
39		8.7A	8 23.956	-0.0047	13	-21 6 30.46	-0.031	09	0.25	24.034	16	33.4	29.94	16	33.4	K0	J	13A	5652	A -20 3785
40		9.3R	8 28.350	0.0022	18	-27 34 39.36	-0.038	18	0.34	28.313	16	33.4	38.74	16	33.4	K0	M	13B	8389	J -27 9075
41		8.7R	8 30.628	-0.0057	20	-28 34 0.81	0.051	20	0.36	30.722	16	33.4	1.66	16	33.4	G0	J	13B	8392	J -28 9927
42		9.3R	8 34.938	0.0038	15	-23 19 28.46	-0.013	15	0.30	34.875	16	33.4	28.26	16	33.4	G0	M	14	9780	E -22 9790
43		8.6R	8 37.598	-0.0038	18	-26 23 11.82	0.006	18	0.34	37.660	16	33.4	11.92	16	33.4	K0	J	14	9781	E -25 9650
44		8.5R	8 41.541	0.0011	20	-29 55 38.16	-0.057	20	0.36	41.523	16	33.4	37.21	16	33.4	G5	J	13B	8393	J -2910179
45		9.1R	8 54.327	-0.0025	20	-28 31 43.09	0.018	20	0.36	54.369	16	33.4	43.39	16	33.4	K	M	13B	8396	J -28 9936
46		6.5H	8 55.695	-0.0048	03	-26 17 10.71	0.001	03	0.09	55.828	04	22.2	10.74	05	22.2	A3		F4	1341	C -25 9653
47		9.3R	8 59.356	-0.0004	15	-28 22 17.16	-0.007	15	0.30	59.363	16	33.4	17.05	16	33.4	F5	M	13B	8397	J -27 9079
48		8.6A	9 2.141	-0.0026	17	-20 24 43.96	0.000	13	0.30	2.185	16	33.4	43.97	16	33.4	K0	J	13A	5655	A -19 3646
49		9.5R	9 3.434	-0.0038	18	-24 26 14.85	0.011	18	0.34	3.371	16	33.4	15.03	16	33.4	F8	M	14	9783	E -2410766
50		7.6R	9 11.062	-0.0005	18	-24 18 13.51	-0.009	18	0.34	11.070	16	33.4	13.36	16	33.4	K0	J	14	9784	E -2310950
51		9.2R	13 9 15.298	-0.0004	15	-24 26 36.47	0.010	15	0.30	15.304	16	33.4	36.63	16	33.4	K5	M	14	9785	E -2410769
52		7.8A	9 28.437	-0.0026	13	-20 37 9.41	-0.007	09	0.25	28.479	16	33.4	9.29	16	33.4	K2	J	13A	5656	A -20 3787
53		8.7R	9 37.235	-0.0013	20	-28 44 22.36	0.005	20	0.36	37.256	16	33.4	22.44	16	33.4	K5	J	13B	8403	J -28 9942
54		9.0R	9 39.266	-0.0056	21	-25 2 24.58	0.066	21	0.38	39.359	16	33.4	25.68	16	33.4	K0	M	14	9786	E -2410772
55		9.2R	9 39.333	-0.0162	18	-23 4 19.38	0.149	18	0.34	39.602	16	33.4	21.86	16	33.4	K0	J	14	9787	E -22 9797
56		8.7R	9 49.938	0.0001	15	-27 18 10.37	0.015	15	0.30	49.937	16	33.4	10.62	16	33.4	K5	M	13B	8406	J -26 9574
57		8.4R	9 53.834	0.0032	12	-26 0 52.56	-0.155	12	0.25	53.781	16	33.4	49.99	16	33.4	F8	J	14	9788	E -25 9665
58		9.4R	10 9.457	0.0009	12	-25 46 43.44	0.007	12	0.25	9.442	16	33.4	43.56	16	33.4	A0	J	14	9789	E -25 9667
59		9.0R	10 10.967	-0.0038	20	-29 23 6.50	-0.037	20	0.36	11.029	16	33.4	5.89	16	33.4	G	M	13B	8411	J -28 9945
60		7.7T	10 13.749	0.0006	12	-28 50 5.94	0.003	09	0.59	13.717	18	98.8	6.12	18	91.2	A0		GC	17889K	C*-28 9947
61		9.5R	10 20.171	-0.0126	18	-24 14 17.93	0.034	18	0.34	20.380	16	33.4	18.49	16	33.4	K0	J	14	9790	E -2310963
62		9.0R	10 26.996	-0.0028	18	-24 27 15.39	0.010	18	0.34	27.043	16	33.4	15.55	16	33.4	K2	J	14	9791	E -2410778
63		8.0R	10 29.805	-0.0018	15	-22 40 5.28	-0.018	15	0.30	29.835	16	33.4	4.99	16	33.4	K5	J	14	9792	E -22 9807
64		8.9R	10 30.317	0.0011	17	-29 50 23.21	0.004	17	0.32	30.300	16	33.4	23.28	16	33.4	K7	M	13B	8414	J -2910198
65		9.2R	10 36.563	0.0001	15	-27 50 31.15	0.035	15	0.30	36.562	16	33.4	31.74	16	33.4	K0	M	13B	8415	J -27 9091
66		9.1A	10 39.301	0.0003	11	-22 23 31.48	0.012	09	0.23	39.296	16	33.4	31.68	16	33.4	A5	J	13A	5662	A -21 3669
67		8.8A	10 41.090	-0.0051	17	-20 0 24.56	0.004	13	0.30	41.175	18	33.3	24.63	16	33.3	K5	J	12B	5663	A -19 3648
68		9.5R	10 57.811	0.0071	21	-27 42 56.24	-0.081	21	0.38	57.693	16	33.4	54.90	16	33.4	G5	M	13B	8417	J -27 9093
69		8.2R	11 1.028	0.0033	12	-26 15 1.12	-0.086	12	0.25	0.973	16	33.4	-59.70	16	33.4	G0	J	14	9794	E -25 9676
70		8.0R	11 3.238	-0.0018	12	-27 21 52.16	-0.020	12	0.25	3.268	16	33.4	51.83	16	33.4	A	J	13B	8418	J -26 9587
71		8.1A	11 19.180	-0.0006	11	-22 5 50.47	-0.025	09	0.23	19.189	16	33.4	50.05	16	33.4	F0	J	13A	5666	A -21 3673
72		8.2R	11 19.515	-0.0044	17	-29 36 33.06	-0.004	17	0.32	19.588	16	33.4	33.00	16	33.4	K0	M	13B	8421	J -2910205
73		8.4R	11 20.908	0.0032	15	-27 26 59.19	-0.014	15	0.30	20.854	16	33.4	58.96	16	33.4	K0	J	13B	8422	J -27 9099
74		8.6R	11 35.740	0.0005	18	-24 56 57.32	0.019	18	0.34	35.732	16	33.4	57.64	16	33.4	K5	J	14	9795	E -2410780
75		8.9R	11 38.047	0.0029	17	-28 59 51.08	-0.066	17	0.32	37.998	16	33.4	49.99	16	33.4	G0	J	13B	8425	J -28 9955
76		6.6T	11 44.652	-0.0055	11	-24 1 11.84	0.009	09	0.55	44.941	15	97.4	12.32	14	95.9	A2		GC	17922K	C -2310994
77		8.5R	11 49.513	0.0052	12	-28 16 16.13	-0.002	12	0.25	49.427	16	33.4	16.10	16	33.4	F5	J	13B	8426	J -27 9102
78		8.6R	11 58.469	-0.0028	15	-27 35 45.78	-0.030	15	0.30	58.516	16	33.4	45.29	16	33.4	F8	J	13B	8428	J -27 9104
79		8.8A	12 10.886	-0.0013	11	-21 6 11.97	-0.013	09	0.23	10.907	16	33.4	11.75	16	33.4	K5	J	13A	5668	A -20 3794
80		8.0R	12 12.188	0.0000	12	-23 35 16.91	-0.015	15	0.27	12.187	16	33.4	16.66	16	33.4	K5	J	14	9798	E -2310976
81		9.2A	12 15.724	-0.0040	13	-20 37 1.23	-0.002	11	0.26	15.791	16	33.4	1.19	16	33.4	K0	J	13A	5669	A -20 3795
82		8.9R	12 18.122	-0.0017	18	-24 37 29.63	0.000	18	0.34	18.149	16	33.4	29.63	16	33.4	F5	J	14	9799K	E -2410800
83		7.4R	12 18.426	-0.0052	20	-29 55 1.62	-0.036	17	0.34	18.512	16	33.4	1.02	16	33.4	K0	J	13B	8430	J -2910214
84		9.5R	12 24.890	-0.0046	18	-22 32 58.75	0.073	18	0.34	24.814	16	33.4	59.97	16	33.4	K0	M	14	9800	E -22 9820
85		8.9A	12 33.035	-0.0047	15	-21 18 1.04	0.018	11	0.27	33.112	16	33.4	1.34	16	33.4	F2	J	13A	5671	A -20 3796
86		9.2R	12 36.769	-0.0035	15	-26 19 45.91	-0.014	15	0.30	36.826	16	33.4	45.68	16	33.4	F8	J	14	9801	E -25 9695
87		8.1R	12 37.251	-0.0024	18	-23 44 11.76	-0.017	18	0.34	37.290	16	33.4	11.48	16	33.4	F5	J	14	9802	E -2310979
88		9.0R	12 40.544	-0.0032	15	-23 54 55.47	-0.029	15	0.30	40.597	16	33.4	54.99	16	33.4	F8	J	14	9803	E -2310980
89		9.4R	12 44.466	-0.0098	18	-25 3 36.27	-0.092	18	0.34	44.630	16	33.4	34.75	16	33.4	K0	M	14	9805	E -2410805
90		8.7R	12 45.563	-0.0055	12	-27 10 55.75	-0.008	12	0.25	45.654	16	33.4	55.62	16	33.4	F8	J	14	9804	E -26 9607
91		8.7R	12 46.185	-0.0064	15	-25 32 33.72	-0.010	15	0.30	46.291	16	33.4	33.57	16	33.4	F2	J	14	9806	E -25 9698
92		9.1R	12 55.241	0.0130	12	-26 3 5.85	-0.200	12	0.25	55.025	16	33.4	2.53	16	33.4	G5	J	14	9807	E -25 9699
93		8.9R	12 57.445	-0.0026	20	-28 55 18.23	-0.063	20	0.36	57.488	16	33.4	17.19	16	33.4	K5	J	13B	8434	J -28 9962
94		8.9R	13 2.058	-0.0077	20	-29 14 27.12	-0.089	20	0.36	2.185	16	33.4	25.65	16	33.4	G5	J	13B	8435	J -28 9963
95		9.0R	13 10.037	-0.0028	20	-28 31 46.67	0.019	20	0.36	10.083	16	33.4	46.99	16	33.4	K0	M	13B	8436	J -28 9965
96		9.1R	13 12.933	-0.0070	12	-23 54 54.41	-0.134	12	0.25	13.050	16	33.4	52.18	16	33.4	K0	J	14	9808	E -2310982
97		8.9A	13 13.929	0.0041	13	-20 39 53.37	-0.015	11	0.26	13.861	16	33.4	53.12	16	33.4	K0	J	13A	5674	A -20 3799
98		8.9R	13 20.337	-0.0011	15	-25 53 49.08	0.014	15	0.30	20.356	16	33.4	49.31	16	33.4	A2	J	14	9809	E -25 9700
99		8.0A	13 24.069	-0.0057	18	-21 39 12.49	-0.063	13	0.31	24.164	16	33.4	11.44	16	33.4	G5	J	13A	5676	A -21 3681
00		8.9A	13 27.186	-0.0026	13	-20 20 1.78	0.014	09	0.25	27.229	16	33.4	2.02	16	33.4	F5	J	13A	5677	A -19 3654

181500

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	CAT.	SOURCE STAR NUMBER	-20° 13H DM NUMBER
1		9.5R	13 13 27.832	-0.0023	20	-28 58 40.58	-0.011	20	0.36	27.870	16	33.4	40.77	16	33.4	F8 M	13B	8438	J -28 9970
2		8.6R	13 31.792	0.0005	18	-23 17 4.32	-0.034	18	0.34	31.783	16	33.4	3.76	16	33.4	K0 J	14	9812	E -22 9830
3		9.3R	13 32.448	-0.0027	12	-26 59 37.45	0.003	12	0.25	32.493	16	33.4	37.50	16	33.4	K0 M	14	9811	E -26 9614
4		9.4R	13 36.162	0.0005	12	-22 34 36.91	0.010	12	0.25	36.154	16	33.4	37.09	16	33.4	K5 M	14	9813	E -22 9832
5		8.8R	13 42.555	-0.0023	12	-27 48 3.76	0.007	12	0.25	42.592	16	33.4	3.88	16	33.4	K0 J	13B	8439	J -27 9127
6		9.4R	13 48.320	-0.0008	12	-24 54 7.88	-0.021	15	0.27	48.332	16	33.4	7.53	16	33.4	F0 M	14	9814	E -2410816
7		9.6R	13 56.037	-0.0137	12	-26 22 31.14	-0.021	12	0.25	56.264	16	33.4	30.79	16	33.4	G5 J	14	9815	E -25 9708
8		9.6R	13 59.349	-0.0017	18	-24 42 17.39	0.011	18	0.34	59.376	16	33.4	17.58	16	33.4	G0 M	14	9816	E -2410618
9		8.9R	13 59.735	0.0001	20	-29 49 5.50	0.009	20	0.36	59.734	16	33.4	5.64	16	33.4	K0 M	13B	8441	J -2910231
10		7.9A	14 4.621	-0.0018	17	-21 31 31.70	-0.014	13	0.30	4.652	16	33.4	31.47	16	33.4	K5 J	13A	5679	A -21 3684
11		8.7R	14 13.640	-0.0024	20	-29 45 6.36	-0.009	20	0.36	13.680	16	33.4	6.20	16	33.4	K2 M	13B	8445	J -2910234
12		9.1R	14 13.947	-0.0004	18	-24 33 8.78	-0.012	18	0.34	13.953	16	33.4	8.59	16	33.4	K2 M	14	9817	E -2410821
13		9.1R	14 18.330	-0.0016	18	-26 10 54.55	-0.009	18	0.34	18.356	16	33.4	54.40	16	33.4	F8 J	14	9818	E -25 9711
14		9.0A	14 18.708	0.0020	13	-21 45 57.92	-0.015	09	0.25	18.674	16	33.4	57.67	16	33.4	F5 J	13A	5680	A -21 3685
15		9.3R	14 20.998	0.0014	18	-25 54 42.71	-0.020	18	0.34	20.974	16	33.4	42.38	16	33.4	F5 J	14	9819	E 25 9713
16		8.4R	14 28.058	-0.0016	18	-24 45 51.89	0.079	18	0.34	28.084	16	33.4	53.20	16	33.4	K2 J	14	9820	E -2410824
17		9.0A	14 38.595	0.0016	17	-20 45 43.36	-0.009	13	0.30	38.569	16	33.4	43.21	16	33.4	G5 J	13A	5681	A -20 3801
18		9.3R	14 40.008	0.0070	21	-29 24 59.33	0.010	21	0.38	39.892	16	33.4	59.50	16	33.4	G0 M	13B	8447	J -2910240
19		8.7R	14 43.799	-0.0002	18	-22 29 8.31	-0.000	18	0.34	43.803	16	33.4	8.31	16	33.4	K2 J	14	9821	E -22 9840
20		8.6R	14 44.811	-0.0002	15	-22 50 32.94	-0.023	15	0.30	44.814	16	33.4	32.57	16	33.4	K0 J	14	9822	E -22 9841
21		9.3R	14 45.295	-0.0016	20	-28 45 0.99	-0.013	20	0.36	45.322	16	33.4	0.78	16	33.4	G0 M	13B	8448	J -28 9983
22		9.0Q	14 46.779	-0.0050	11	-23 36 59.45	0.044	09	0.59	47.034	21	99.0	+ 1.87	21	94.9	G5	GC	17987	C -2310996
23		9.4R	14 49.721	-0.0023	17	-29 52 48.03	0.019	17	0.32	49.760	16	33.4	48.35	16	33.4	F5 M	13B	8449	J -2910241
24		9.0R	14 55.211	-0.0017	18	-25 14 0.12	-0.018	18	0.34	55.239	16	33.4	-59.83	16	33.4	K0 M	14	9824	E -2410826
25		9.1A	15 2.816	-0.0032	17	-21 11 42.17	-0.012	13	0.30	2.868	16	33.4	41.97	16	33.4	F2 J	13A	5685	A -20 3803
26		8.6R	15 9.816	-0.0058	18	-24 3 25.86	-0.011	18	0.34	9.912	16	33.4	25.67	16	33.4	K2 J	14	9825	E -2310997
27		9.0R	15 11.767	-0.0006	17	-29 6 49.10	0.030	17	0.32	11.775	16	33.4	49.60	16	33.4	K0 M	13B	8452	J -28 9986
28		8.9R	15 17.467	-0.0033	18	-24 52 0.89	0.006	18	0.34	17.522	16	33.4	0.99	16	33.4	F5 M	14	9826	E -2410829
29		8.8R	15 19.071	-0.0010	18	-23 14 7.00	-0.026	18	0.34	19.087	16	33.4	6.58	16	33.4	A2 J	14	9828	E -22 9847
30		8.9R	15 19.626	0.0020	18	-23 37 33.00	-0.015	18	0.34	19.593	16	33.4	32.75	16	33.4	K5 J	14	9829	E -2311000
31		8.6R	15 19.793	-0.0038	18	-23 53 49.00	0.020	18	0.34	19.855	16	33.4	49.33	16	33.4	K0 J	14	9830	E -2310999
32		9.0R	15 19.999	-0.0026	12	-26 56 36.27	-0.041	12	0.25	20.042	16	33.4	35.59	16	33.4	K2 M	14	9827	E -26 9632
33		8.9A	15 26.220	-0.0012	15	-20 21 46.80	-0.016	12	0.27	26.241	16	33.4	46.54	16	33.4	K5 J	13A	5687	A -19 3660
34		8.2R	15 30.509	-0.0048	12	-26 34 45.22	-0.033	12	0.25	30.589	16	33.4	44.67	16	33.4	F8 J	14	9831K	E -26 9633
35		8.1R	15 34.547	-0.0002	18	-25 15 29.81	0.002	18	0.34	34.551	16	33.4	29.85	16	33.4	K2 J	14	9832	E -2410833
36		7.0T	15 38.108	-0.0052	13	-28 4 6.14	-0.079	12	0.70	38.374	18	98.8	1.92	18	96.4	G5	GC	18005	C -27 9145
37		9.0R	15 40.628	-0.0009	18	-28 9 8.01	0.006	18	0.34	40.643	16	33.4	8.11	16	33.4	K M	13B	8456	J -27 9146
38		9.1A	15 47.415	-0.0037	15	-20 16 14.19	-0.010	11	0.27	47.478	18	33.3	14.03	16	33.3	F8 J	12B	5688	A -19 3662
39		9.1R	15 48.194	0.0008	18	-23 52 11.90	-0.025	18	0.34	48.180	16	33.4	11.48	16	33.4	F8 M	14	9833	E -2311004
40		9.1R	15 52.169	-0.0026	20	-29 37 3.66	-0.020	20	0.36	52.213	16	33.4	3.33	16	33.4	A0 M	13B	8459	J -2910253
41		8.7R	15 58.915	0.0009	20	-28 24 35.87	0.020	20	0.36	58.900	16	33.4	36.21	16	33.4	A5 J	13B	8460	J -28 9992
42		8.6R	16 9.490	-0.0027	18	-25 5 26.67	-0.008	18	0.34	9.535	16	33.4	26.54	16	33.4	G5 J	14	9834	E -2410836
43		3.3H	16 11.868	0.0047	01	-22 54 29.88	-0.049	02	0.05	11.720	02	18.9	28.38	03	19.5	G5	F4	495	-22 3554
44		7.4R	16 12.337	-0.0052	12	-28 31 20.12	-0.050	12	0.25	12.423	16	33.4	19.29	16	33.4	K5 J	13B	8462	J -28 9994
45		8.8R	16 13.565	-0.0156	18	-24 59 28.79	-0.144	18	0.34	13.825	16	33.4	26.40	16	33.4	G5 J	14	9837	E -2410837
46		8.2R	16 14.215	-0.0038	12	-25 19 57.32	-0.003	12	0.25	14.279	16	33.4	57.27	16	33.4	F8 J	14	9836	E -2410838
47		9.4R	16 15.861	-0.0056	18	-26 21 59.92	-0.009	18	0.34	15.954	16	33.4	59.77	16	33.4	G0 J	14	9838	E -25 9726
48		8.5R	16 21.902	-0.0006	18	-24 49 18.02	-0.046	18	0.34	21.913	16	33.4	17.26	16	33.4	K5 J	14	9840	E -2410841
49		9.0R	16 22.317	-0.0006	18	-23 16 35.90	-0.024	18	0.34	22.326	16	33.4	35.51	16	33.4	K2 J	14	9841	E -22 9858
50		8.1R	16 38.118	-0.0126	20	-24 21 25.12	-0.015	20	0.36	38.327	16	33.4	24.87	16	33.4	F8 J	14	9843	E -2311009
51		9.0R	13 16 40.078	-0.0006	20	-23 23 47.45	0.005	20	0.36	40.086	16	33.4	47.54	16	33.4	F8 J	14	9844	E -2311010
52		9.3R	16 48.735	-0.0052	20	-23 51 33.85	-0.022	20	0.36	48.821	16	33.4	33.48	16	33.4	F5 M	14	9846	E -2311012
53		8.9A	16 52.710	-0.0031	17	-20 57 56.08	-0.008	13	0.30	52.762	16	33.4	55.95	16	33.4	K5 J	13A	5692	A -20 3805
54		9.4R	16 52.983	-0.0006	17	-29 33 20.65	0.046	17	0.32	52.991	16	33.4	21.41	16	33.4	K0 M	13B	8466	J -2910262
55		8.1R	16 55.561	-0.0035	18	-25 24 1.78	-0.014	18	0.34	55.619	16	33.4	1.55	16	33.4	K5 J	14	9847	E -2410843
56		9.1R	17 4.436	-0.0003	18	-23 5 2.21	-0.006	18	0.34	4.441	16	33.4	2.12	16	33.4	K5 M	14	9849	E -22 9867
57		9.0R	17 8.034	-0.0006	20	-27 32 29.22	0.100	20	0.36	8.044	16	33.4	30.89	16	33.4	F8 J	13B	8468	J -27 9157
58		9.4R	17 10.197	-0.0035	15	-23 39 42.57	0.007	15	0.30	10.254	16	33.4	42.68	16	33.4	K2 M	14	9850	E -2311014
59		8.9A	17 11.166	-0.0091	15	-20 18 10.75	-0.018	11	0.27	11.318	18	33.3	10.46	16	33.3	G5 J	12B	5694	A -19 3667
60		9.5R	17 16.184	0.0033	20	-23 39 13.28	-0.019	20	0.36	16.129	16	33.4	12.96	16	33.4	K0 M	14	9851	E -2311015
61		9.2R	17 33.179	-0.0080	18	-24 36 5.23	-0.064	18	0.34	33.312	16	33.4	4.17	16	33.4	K0 J	14	9852	E -2410849
62		8.5T	17 34.820	-0.0034	17	-24 14 49.85	-0.065	13	0.77	34.983	22	02.1	46.61	19	00.3	K2	GC	18035	C -2311018
63		8.2R	17 42.363	-0.0020	20	-26 58 56.66	0.004	20	0.36	42.397	16	33.4	56.73	16	33.4	K5 J	14	9854	E -26 9649
64		7.5R	17 44.532	-0.0030	20	-27 8 51.71	-0.024	20	0.36	44.582	16	33.4	51.32	16	33.4	K5 J	14	9855	E -26 9650
65		9.1R	17 46.334	-0.0032	18	-24 40 52.92	-0.058	18	0.34	46.387	16	33.4	51.96	16	33.4	G5 J	14	9856	E -2410851
66		8.2A	17 47.878	-0.0036	17	-21 52 23.76	-0.012	13	0.30	47.939	16	33.4	23.56	16	33.4	G5 J	13A	5696	A -21 3697
67		8.1A	17 47.944	0.0049	11	-20 37 5.48	-0.073	09	0.23	47.862	16	33.4	4.27	16	33.4	F5 J	13A	5697	A -20 3806
68		8.7A	17 51.491	-0.0034	15	-20 6 32.65	0.012	11	0.27	51.548	18	33.3	32.86	16	33.3	K0 J	12B	5698	A -19 3670
69		9.0R	17 52.952	-0.0001	17	-29 18 10.10	-0.042	17	0.32	52.960	16	33.4	10.80	16	33.4	K0 M	13B	8469	J -2910014
70		8.7R	17 55.321	-0.0026	17	-29 31 49.05	-0.065	17	0.32	55.365	16	33.4	47.96	16	33.4	F2 J	13B	8470	J -2910270
71		7.2T	18 1.849	-0.0056	14	-23 30 3.73	-0.014	14	0.75	2.133	18	99.2	3.01	19	98.9	K2	GC	18046	C -2311021
72		9.0R	18 8.390	-0.0090	18	-26 41 21.60	-0.039	18	0.34	8.539	16	33.4	20.95	16	33.4	G5 J	14	9858	E -26 9652
73		9.0R	18 10.614	-0.0137	20	-27 54 34.97	0.049	20	0.36	10.841	16	33.4	35.79	16	33.4	G5 J	13B	8472	J -27 9168
74		9.0R	18 14.361	0.0020	20	-27 10 33.83	0.026	20	0.36	14.328	16	33.4	34.26	16	33.4	F8 J	14	9859	E -26 9654
75		9.0R	18 14.529	-0.0011	20	-26 53 35.71	-0.037	20	0.36	14.547	16	33.4	35.10	16	33.4	K0 J	14	9860	E -26 9655
76		7.5A	18 20.075	0.0015	18	-22 7 16.42	-0.016	13	0.31	20.050	16	33.4	16.15	16	33.4	G5 J	13A	5699	A -21 3700
77		7.1T	18 20.928	-0.0001	13	-24 12 30.85	0.001	12	0.69	20.933	18	98.7	30.89	17	95.5	K2	GC	18055	C -2311025
78		8.4A	18 23.044	-0.0042	17	-21 32 39.69	0.012	13	0.30	23.114	16	33.4	39.89	16	33.4	F5 J	13A	5700	A -21 3701
79		8.0R	18 26.586	-0.0036	20	-29 10 38.11	0.036	20	0.36	26.646	16	33.4	38.71	16	33.4	K5 J	13B	8475	J -2910019
80		9.3R	18 31.084	-0.0016	15	-24 7 48.24	-0.001	15	0.30	31.115	16	33.4	48.22	16	33.4	F5 J	14	9862	E -2311028
81		8.9R	18 40.320	0.0011	18	-25 16 13.77	0.007	18	0.34	40.303	16	33.4	13.89	16	33.4	K5 J	14	9863	E -2410856
82		7.5R	18 40.379	-0.0010	18	-22 31 58.45	0.038	18	0.34	40.395	16	33.4	59.09	16	33.4	F5 J	14	9864	E*-22 9882
83		9.3R	18 40.519	0.0007	17	-29 43 6.77	-0.051	17	0.32	40.508	16	33.4	5.93	16	33.4	K0 M	13B	8479	J -2910278
84		7.1T	18 40.578	0.0037	22	-22 31 58.45	0.029	22	1.10	40.401	18	02.5	59.89	19	01.1	F5	GC	18064K	-22 3564
85		8.2R	18 47.070	-0.0053	18	-24 40 6.45	0.030	18	0.34	47.159	16	33.4	6.95	16	33.4	F0 J	14	9865	E -2410859
86		9.0R	18 54.410	-0.0035	20	-29 0 22.29	-0.022	20	0.36	54.469	16	33.4	21.93	16	33.4	F8 J	13B	8481	J -2910026
87		9.5R	18 59.353	-0.0019	18	-23 15 16.76	-0.018	18	0.34	59.385	16	33.4	16.47	16	33.4	F8 J	14	9868	E -22 9886
88		9.3R	18 59.533	0.0008	18	-23 22 3.63	-0.031	18	0.34	59.519	16	33.4	3.12	16	33.4	K7 M	14	9867	E -22 9885
89		8.9R	18 59.919	-0.0036	20	-29 57 44.56	-0.041	20	0.36	59.980	16	33.4	43.87	16	33.4	K0 M	13B	8482	J -2910284
90		9.4R	18 59.929	-0.0054	18	-25 10 34.85	-0.047	18	0.34	+ 0.019	16	33.4	34.07	16	33.4	K2 J	14	9866	E -2410862
91		9.4R	19 9.436	-0.0020	18	-24 52 5.25	0.035	18	0.34	9.469	16	33.4	5.84	16	33.4	G0 J	14	9869	E -2410864
92		8.7R	19 13.168	-0.0071	20	-28 41 6.19	0.021	20	0.36	13.286	16	33.4	6.54	16	33.4	G5 J	13B	8485	J -2810030
93		9.4R	19 14.452	-0.0001	20	-25 6 3.17	-0.006	20	0.36	14.454	16	33.4	3.07	16	33.4	K0 M	14	9870	E -2410865
94		9.2A	19 17.806	-0.0067	15	-21 23 27.09	-0.085	11	0.27	17.918	16	33.4	25.68	16	33.4	K0 J	13A	5704	A -20 3813
95		9.0R	19 22.168	0.0007	18	-26 52 58.54	-0.010	18	0.34	22.156	16	33.4	58.38	16	33.4	K5 J	14	9871	E -26 9667
96		9.0A	19 35.974	-0.0012	17	-20 36 2.43	0.013	13	0.30	35.995	16	33.4	2.64	16	33.4	F2 J	13A	5705	A -20 3814
97		9.0R	19 39.230	-0.0018	15	-28 7 25.99	-0.007	15	0.30	39.200	16	33.4	25.88	16	33.4	F8 J	13B	8490	J -27 9183
98		7.0T	19 42.952	-0.0105	10	-25 34 48.08	-0.008	09	0.54	43.513	15	96.3	47.66	14	95.2	F5	GC	18092	C -25 9759
99		8.6R	19 48.923	-0.0002	18	-22 41 30.60	0.014	18	0.34	48.920	16	33.4	30.84	16	33.4	G0 J	14	9873	E -22 9898
100		8.7R	19 50.907	-0.0011	18	-22 41 26.33	-0.026	18	0.34	50.924	16	33.4	25.91	16	33.4	G0 J	14	9874	E -22 9899

181600

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.		SOURCE CAT.	STAR NUMBER	-20° 13H DM NUMBER
1		8.8R	13 19 55.653	-0.0027	17	-29 56 9.86	-0.031	17	0.32	55.698	16	33.4	9.35	16	33.4	A2	J	13B	8491	J -2910294
2		8.8R	19 58.916	-0.0011	15	-27 22 19.04	-0.037	15	0.30	58.935	16	33.4	18.43	16	33.4	F5	J	13B	8492	J -26 9672
3		9.1R	20 1.958	0.0012	17	-28 57 32.90	-0.008	17	0.32	1.938	16	33.4	32.77	16	33.4	K	M	13B	8493	J -2810039
4		8.4A	20 7.205	-0.0001	17	-21 9 12.17	0.031	13	0.30	7.206	16	33.4	12.68	16	33.4	G5	J	13A	5710	A -20 3816
5		9.2R	20 10.461	-0.0046	20	-29 40 58.75	-0.022	20	0.36	10.538	16	33.4	58.38	16	33.4	K0	M	13B	8495	J -2910297
6		8.5R	20 10.707	-0.0019	12	-23 24 19.61	-0.018	12	0.25	10.738	16	33.4	19.32	16	33.4	K2	J	14	9876	E -2311036
7		9.6R	20 12.014	0.0049	18	-26 15 2.03	0.022	18	0.34	11.933	16	33.4	2.40	16	33.4	K2	M	14	9875	E -25 9765
8		9.0R	20 16.781	0.0026	18	-27 21 13.26	-0.044	18	0.34	16.738	16	33.4	12.53	16	33.4	M	M	13B	8496	J -26 9675
9		7.5R	20 25.814	-0.0104	18	-24 28 24.22	0.001	18	0.34	25.986	16	33.4	24.23	16	33.4	F8	J	14	9877	E -2410877
10		9.3R	20 29.236	0.0010	15	-22 36 46.52	-0.002	15	0.30	29.218	16	33.4	46.50	16	33.4	F8	J	14	9878	E -22 9903
11		7.6R	20 35.642	-0.0018	15	-24 23 41.33	-0.017	15	0.30	35.672	16	33.4	41.04	16	33.4	M5	M	14	9880	E -2311042
12		8.4R	20 40.126	-0.0011	12	-26 43 4.34	-0.048	12	0.25	40.144	16	33.4	3.54	16	33.4	G0	J	14	9881	E -26 9686
13		8.3R	21 10.881	-0.0011	12	-28 6 36.97	-0.007	12	0.25	10.899	16	33.4	36.86	16	33.4	K0	J	13B	8498	J -27 9200
14		9.3A	21 11.573	-0.0041	20	-20 23 4.74	-0.010	15	0.33	11.641	16	33.4	4.58	16	33.4	F5	J	13A	5712	A -19 3678
15		6.6T	21 14.512	-0.0022	10	-20 39 49.16	-0.012	09	0.38	14.599	07	11.0	48.68	09	11.3	K0		GC	18120K	B*-20 3818
16		9.3A	21 16.296	-0.0031	15	-20 28 51.51	0.019	11	0.27	16.349	16	33.4	51.83	16	33.4	G5	J	13A	5714	A -19 3679
17		8.6R	21 16.792	-0.0014	18	-24 23 22.45	-0.009	18	0.34	16.814	16	33.4	22.30	16	33.4	K5	J	14	9882	E -2311046
18		9.1R	21 22.653	-0.0008	18	-24 53 56.96	0.005	18	0.34	22.666	16	33.4	57.05	16	33.4	K2	J	14	9883	E -2410882
19		8.8R	21 26.857	-0.0018	12	-26 7 22.37	0.014	12	0.25	26.887	16	33.4	22.61	16	33.4	F5	J	14	9884	E -25 9782
20		8.8R	21 28.570	-0.0022	15	-25 43 8.28	0.013	15	0.30	28.606	16	33.4	8.50	16	33.4	K0	J	14	9885	E -25 9783
21		8.6A	21 29.635	-0.0038	18	-22 12 29.77	0.013	13	0.31	29.698	16	33.4	29.98	16	33.4	K0	J	13A	5715	A -21 3704
22		7.9R	21 30.333	-0.0032	18	-24 52 7.67	0.024	18	0.34	30.386	16	33.4	8.07	16	33.4	K0	J	14	9886	E -2410883
23		9.2R	21 33.465	-0.0038	18	-24 26 18.22	-0.003	18	0.34	33.529	16	33.4	18.17	16	33.4	G0	J	14	9887	E -2410884
24		8.8R	21 45.312	-0.0036	12	-27 28 44.19	0.062	12	0.25	45.372	16	33.4	45.22	16	33.4	K5	J	13B	8502	J -27 9207
25		9.0R	21 46.560	-0.0031	15	-23 19 23.26	0.002	15	0.30	46.611	16	33.4	23.30	16	33.4	F5	J	14	9889	E -22 9914
26		9.3R	21 54.232	-0.0035	20	-29 17 3.59	-0.069	20	0.36	54.290	16	33.4	2.44	16	33.4	G5	M	13B	8503	J -2810054
27		9.5R	22 3.577	0.0009	18	-25 33 12.87	-0.023	18	0.34	3.561	16	33.4	12.50	16	33.4	F8	M	14	9890	E -25 9787
28		8.8R	22 10.306	0.0015	18	-23 5 22.87	-0.024	18	0.34	10.281	16	33.4	22.48	16	33.4	K0	J	14	9892	E -22 9915
29		8.9R	22 11.267	0.0008	15	-26 53 18.38	0.006	15	0.30	11.254	16	33.4	18.48	16	33.4	K2	J	14	9891	E -26 9695
30		8.4R	22 19.181	0.0013	18	-28 23 1.44	-0.068	18	0.34	19.159	16	33.4	0.31	16	33.4	K5	J	13B	8506	J -27 9217
31		9.1R	22 27.530	-0.0016	18	-24 47 37.20	0.027	18	0.34	27.557	16	33.4	37.65	16	33.4	F8	J	14	9893	E -2410890
32		8.2R	22 30.164	-0.0022	18	-25 7 29.70	0.002	18	0.34	30.201	16	33.4	29.74	16	33.4	K5	J	14	9894	E -2410892
33		8.5R	22 30.598	-0.0087	18	-28 16 31.29	-0.012	18	0.34	30.744	16	33.4	31.10	16	33.4	F8	J	13B	8509	J -27 9221
34		9.3R	22 37.913	0.0021	15	-26 43 37.46	-0.064	15	0.30	37.879	16	33.4	36.40	16	33.4	K0	J	14	9895	E -26 9702
35		9.1R	22 38.123	-0.0006	18	-23 31 40.41	-0.021	18	0.34	38.132	16	33.4	40.06	16	33.4	K0	J	14	9896	E -2311060
36		8.3A	22 40.315	-0.0094	15	-20 8 47.21	0.003	11	0.27	40.473	18	33.3	47.27	16	33.3	G5	J	12B	5718	A -19 3680
37		9.5R	22 42.312	0.0020	18	-26 24 17.11	-0.041	18	0.34	42.278	16	33.4	16.44	16	33.4	F0	M	14	9897	E -26 9703
38		9.2R	22 43.660	-0.0002	12	-22 38 29.47	0.002	12	0.25	43.663	16	33.4	29.51	16	33.4	K2	J	14	9899	E -22 9922
39		8.7R	22 45.167	-0.0028	12	-26 57 29.62	-0.036	12	0.25	45.213	16	33.4	29.33	16	33.4	K5	J	14	9898	E -26 9704
40		9.0R	22 49.079	-0.0005	18	-27 26 6.28	0.016	18	0.34	49.087	16	33.4	6.55	16	33.4	F8	J	13B	8512	J -27 9223
41		9.5R	22 57.597	-0.0041	20	-22 39 2.13	-0.008	00	0.28	57.665	16	33.4	2.01	16	33.4	G5	M	14	9900	E*-22 9925
42		9.4R	22 58.727	0.0003	18	-22 26 3.65	-0.021	18	0.34	58.721	16	33.4	3.30	16	33.4	A5	J	14	9901	E -22 9926
43		9.1A	23 13.294	-0.0010	18	-20 49 18.51	-0.006	13	0.31	13.310	18	33.4	18.41	16	33.4	F5	J	13A	5723	A -20 3823
44		8.1R	23 13.489	-0.0023	12	-27 12 34.17	-0.067	12	0.25	13.527	16	33.4	33.06	16	33.4	A0	J	14	9903	E -26 9707
45		9.2R	23 18.980	-0.0012	20	-29 39 22.97	0.005	20	0.36	19.000	16	33.4	23.05	16	33.4	K0	M	13B	8514	J -2910326
46		7.5R	23 20.999	-0.0029	12	-26 20 46.98	-0.043	12	0.25	21.046	16	33.4	46.27	16	33.4	G5	J	14	9905	E -25 9800
47		9.3R	23 21.819	0.0033	15	-24 49 14.17	0.010	18	0.32	21.765	16	33.4	14.34	16	33.4	K2	J	14	9906	E -2410901
48		9.1R	23 24.454	-0.0035	15	-22 49 58.16	-0.033	15	0.30	24.512	16	33.4	57.62	16	33.4	K2	J	14	9908	E -22 9931
49		8.5R	23 26.129	-0.0004	12	-25 55 33.04	-0.027	12	0.25	26.135	16	33.4	32.59	16	33.4	F8	J	14	9907	E -25 9801
50		9.0R	23 29.048	-0.0023	18	-25 4 46.85	-0.013	18	0.34	29.087	16	33.4	46.64	16	33.4	K2	J	14	9909	E -2410902
51		8.6R	13 23 32.186	0.0023	18	-22 58 56.02	0.001	18	0.34	32.148	16	33.4	56.05	16	33.4	F0	J	14	9910K	E -22 9932
52		9.0R	23 40.910	-0.0012	20	-28 29 9.06	0.014	20	0.36	40.931	16	33.4	9.30	16	33.4	F8	M	13B	8518	J -2810070
53		8.9R	23 48.248	-0.0071	20	-29 19 8.68	-0.002	20	0.36	48.365	16	33.4	8.65	16	33.4	F5	J	13B	8520	J -2810072
54		9.5R	23 48.964	0.0019	18	-27 48 9.90	-0.019	18	0.34	48.932	16	33.4	9.59	16	33.4	K0	M	13B	8521	J -27 9226
55		9.0R	23 51.636	0.0002	15	-24 54 41.15	0.008	15	0.30	51.632	16	33.4	41.29	16	33.4	F5	J	14	9911	E -2410905
56		8.6R	23 52.102	0.0006	18	-22 58 20.27	0.026	18	0.34	52.092	16	33.4	20.71	16	33.4	K5	J	14	9913	E -22 9936
57		8.1R	23 56.080	-0.0274	18	-24 1 59.72	-0.097	18	0.34	56.536	16	33.4	58.10	16	33.4	K0	J	14	9914	E -2311071
58		9.4R	23 58.746	0.0002	20	-22 35 22.54	0.020	20	0.36	58.742	16	33.4	22.88	16	33.4	F8	M	14	9915	E -22 9937
59		7.9A	24 0.132	-0.0047	18	-22 2 18.07	0.101	13	0.31	0.210	16	33.4	19.74	16	33.4	G5	J	13A	5728	A -21 3712
60		9.0R	24 5.343	-0.0018	15	-27 23 22.86	0.028	15	0.30	5.373	16	33.4	23.33	16	33.4	F8	J	13B	8524	J -26 9719
61		9.6R	24 13.023	-0.0049	20	-24 13 22.17	-0.094	20	0.36	13.104	16	33.4	20.60	16	33.4	G5	M	14	9916	E -2311075
62		8.8A	24 18.887	-0.0032	15	-20 5 55.08	-0.008	11	0.27	18.941	18	33.3	54.95	16	33.3	F5	J	12B	5729	A -19 3686
63		8.5R	24 19.408	-0.0255	18	-24 1 49.37	-0.073	18	0.34	19.832	16	33.4	48.15	16	33.4	K0	J	14	9918	E -2311076
64		9.5R	24 21.555	-0.0038	15	-27 42 1.58	0.008	15	0.30	21.491	16	33.4	1.72	16	33.4	F8	J	13B	8525	J -27 9229
65		9.3R	24 21.918	-0.0024	18	-23 26 45.64	0.008	18	0.34	21.957	16	33.4	45.78	16	33.4	K2	M	14	9919	E -2311077
66		8.4R	24 22.448	-0.0003	12	-28 48 12.79	-0.068	12	0.25	22.453	16	33.4	11.66	16	33.4	A3	J	13B	8526	J -2810074
67		8.6A	24 26.772	-0.0093	17	-20 4 34.13	0.029	13	0.30	26.928	18	33.3	34.62	16	33.3	K2	J	12B	5732	A -19 3688
68		8.4R	24 40.279	0.0032	18	-25 13 42.56	-0.016	18	0.34	40.226	16	33.4	42.30	16	33.4	K0	J	14	9920	E -2410918
69		9.4R	24 40.720	-0.0017	15	-24 19 55.81	-0.030	18	0.32	40.747	16	33.4	55.30	16	33.4	F8	J	14	9921	E -2311080
70		9.1R	24 56.447	-0.0031	20	-29 17 31.36	0.055	20	0.36	56.498	16	33.4	32.28	16	33.4	M	M	13B	8530	J -2810078
71		9.5R	25 12.348	-0.0131	12	-23 15 22.14	0.032	12	0.25	12.566	16	33.4	22.68	16	33.4	K0	M	14	9922	E -22 9943
72		9.2R	25 12.580	-0.0006	17	-29 31 57.72	-0.020	17	0.32	12.589	16	33.4	57.38	16	33.4	A3	J	13B	8532	J -2910355
73		9.4R	25 14.341	0.0034	15	-24 53 53.37	-0.014	15	0.30	14.285	16	33.4	53.14	16	33.4	F5	J	14	9923	E -2410924
74		6.7T	25 15.891	-0.0015	12	-26 8 36.77	-0.012	10	0.61	15.966	18	98.1	36.13	17	94.8	K2		GC	18195	C -25 9816
75		9.2R	25 20.386	-0.0056	20	-29 22 21.79	-0.069	20	0.36	20.478	16	33.4	20.65	16	33.4	G0	J	13B	8533	J -2810082
76		9.2R	25 22.983	-0.0020	20	-29 9 32.86	-0.051	20	0.36	23.016	16	33.4	32.02	16	33.4	F8	J	13B	8535	J -2810083
77		8.7R	25 24.782	-0.0047	18	-23 47 50.59	-0.053	18	0.34	24.860	16	33.4	49.70	16	33.4	F8	J	14	9925	E -2311082
78		7.3T	25 29.696	-0.0022	13	-22 8 28.74	-0.048	10	0.61	29.805	19	00.6	26.21	17	97.4	K0		GC	18197	-21 3718
79		8.7A	25 33.570	0.0027	17	-21 28 28.80	-0.045	13	0.30	33.525	16	33.4	28.05	16	33.4	K2	J	13A	5734	A -20 3830
80		9.0R	25 40.550	0.0011	15	-28 8 42.75	-0.018	15	0.30	40.532	16	33.4	42.45	16	33.4	G5	J	13B	8540	J -27 9240
81		7.3T	25 41.410	-0.0042	06	-24 57 15.50	0.002	06	0.27	41.581	09	08.7	15.59	09	06.5	F5		GC	18205	C*-2410927
82		7.2T	25 44.696	-0.0197	11	-27 8 11.53	0.197	10	0.61	45.746	17	96.8	22.66	18	93.6	F8		GC	18209	C -26 9740
83		8.5A	25 49.172	-0.0031	11	-22 10 6.04	-0.004	09	0.23	49.224	16	33.4	5.97	16	33.4	K2	J	13A	5736	A -21 3721
84		9.4R	25 58.425	-0.0042	18	-24 25 16.64	0.021	18	0.34	58.495	16	33.4	16.98	16	33.4	F8	J	14	9928	E -2410930
85		9.6R	26 7.422	-0.0005	15	-23 14 40.04	0.014	15	0.30	7.430	16	33.4	40.28	16	33.4	G0	M	14	9929	E -22 9951
86		9.1R	26 17.677	0.0041	20	-29 57 11.08	-0.027	20	0.36	17.609	16	33.4	10.62	16	33.4	K0	J	13B	8546	J -2911364
87		8.5R	26 23.884	-0.0003	12	-29 54 8.50	-0.054	17	0.29	23.890	16	33.4	7.59	16	33.4	K5	J	13B	8548	J -2910367
88		8.9R	26 25.277	0.0006	15	-25 28 10.13	0.001	15	0.30	25.267	16	33.4	10.15	16	33.4	K5	J	14	9930	E -25 9827
89		9.1R	26 30.913	-0.0004	18	-22 54 44.24	-0.012	18	0.34	30.920	16	33.4	44.05	16	33.4	K0	J	14	9931	E -22 9956
90		7.6T	26 43.984	-0.0051	14	-27 7 51.64	-0.025	13	0.72	44.237	21	00.6	50.34	19	97.5	A5		GC	18233	C -26 9746
91		9.3R	26 44.994	-0.0020	20	-28 50 2.00	0.054	20	0.36	45.027	16	33.4	2.90	16	33.4	A0	J	13B	8549	J -2811098
92		9.3R	26 45.550	-0.0032	18	-26 26 29.71	-0.007	18	0.34	45.604	16	33.4	29.60	16	33.4	K2	M	14	9933	E -26 9747
93		9.2A	26 52.279	-0.0032	17	-20 34 36.32	0.008	13	0.30	52.332	16	33.4	36.45	16	33.4	F5	J	13A	5739	A -20 3834
94		8.5A	26 57.313	0.0002	11	-22 6 33.88	0.018	09	0.23	57.309	16	33.4	34.18	16	33.4	G0	J	13A	5740	A -21 3723
95		3.5T	26 58.482	-0.0041	04	-23 1 24.51	0.011	05	0.23	58.676	09	02.3	25.06	09	02.0	M7E		GC	18239V	B*-22 3601
96		9.4R	26 59.095	0.0007	18	-24 59 52.81	-0.003	18	0.34	59.083	16	33.4	52.76	16	33.4	K5	J	14	9934	E -2410935
97		8.2R	27 3.231	-0.0023	12	-26 18 41.13	-0.002	12	0.25	3.270	16	33.4	41.10	16	33.4	A0	J	14	9936K	E -26 9835
98		8.7R	27 5.362	-0.0030	20	-28 41 11.71	0.018	20	0.36	5.412	16	33.4	12.01	16	33.4	A3	J	13B	8553	J -2810100
99		8.8R	27 8.763	-0.0026	17	-28 55 45.61	0.068	17	0.32	8.805	16	33.4	46.74	16	33.4	K0	J	13B	8555	J -2810101
00		8.6R	27 9.210	-0.0017	12	-25 48 3.25	-0.019	12	0.25	9.239	16	33.4	2.94	16	33.4	K0	J	14	9937	E -25 9837

181700

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	EPOCH 1950 μ s	EPOCH 1950 σ_μ ″.001	EPOCH 1950 δ_{1950} ° ′ ″	EPOCH 1950 μ' ″	EPOCH 1950 σ'_μ ″.001	EPOCH 1950 σ_{1950} ″	ORIGINAL EPOCH α_2 s	ORIGINAL EPOCH σ ″.01	ORIGINAL EPOCH ep.	ORIGINAL EPOCH δ_2 ″	ORIGINAL EPOCH σ' ″.01	ORIGINAL EPOCH ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER
1		8.9R	13 27 10.924	0.0035	12	-28 11 56.72	-0.002	12	0.25	10.865	16	33.4	56.69	16	33.4	K0 J	13B	8557
2		8.1Q	27 17.961	-0.0069	06	-20 3 16.26	-0.004	07	0.48	18.362	18	91.5	16.06	17	90.3	K0	GC	18245
3		8.8R	27 27.649	-0.0002	12	-28 32 49.92	-0.041	12	0.25	27.652	16	33.4	49.24	16	33.4	M3 M	13B	8560
4		8.5R	27 35.310	0.0006	18	-24 10 37.51	-0.009	18	0.34	35.300	16	33.4	37.36	16	33.4	K0 J	14	9938
5		9.2R	27 37.944	-0.0027	17	-29 47 47.90	-0.029	17	0.32	37.989	16	33.4	47.41	16	33.4	K0 J	13B	8561
6		9.4R	27 38.798	-0.0017	18	-22 59 27.97	-0.035	18	0.34	38.826	16	33.4	27.39	16	33.4	F8 J	14	9939
7		9.4R	27 41.274	-0.0005	18	-23 14 12.41	-0.018	18	0.34	41.282	16	33.4	12.12	16	33.4	K0 J	14	9940
8			27 44.798	0.0002	18	-23 23 31.30	-0.042	18	0.34	44.795	16	33.4	30.61	16	33.4	A0 J	14	9941V
9		9.1R	27 52.537	-0.0017	18	-22 56 50.23	-0.022	18	0.34	52.565	16	33.4	49.87	16	33.4	G0 J	14	9942
10		9.3R	27 54.000	-0.0014	17	-29 57 16.16	-0.031	17	0.32	54.024	16	33.4	15.64	16	33.4	K0 M	13B	8563
11		9.6R	27 56.403	-0.0062	21	-27 1 31.65	0.034	21	0.38	56.507	16	33.4	32.22	16	33.4	K0 M	14	9943
12		9.1R	27 56.979	-0.0000	18	-23 11 48.76	0.004	18	0.34	56.980	16	33.4	48.84	16	33.4	K5 M	14	9944
13		7.9R	28 3.260	-0.0029	15	-27 21 13.58	-0.014	15	0.30	3.308	16	33.4	13.35	16	33.4	K0 J	13B	8564
14		9.2R	28 14.082	-0.0004	15	-24 54 27.25	0.006	15	0.30	14.088	16	33.4	27.35	16	33.4	F8 J	14	9946
15		9.4R	28 19.752	-0.0011	20	-22 33 58.10	-0.008	20	0.36	19.771	16	33.4	57.98	16	33.4	F5 M	14	9947
16		7.5R	28 21.382	-0.0005	15	-25 23 57.56	-0.032	15	0.30	21.391	16	33.4	57.03	16	33.4	A3 J	14	9948
17		9.2R	28 29.121	-0.0009	18	-26 49 13.00	-0.010	18	0.34	29.136	16	33.4	12.84	16	33.4	K2 J	14	9950
18		9.1A	28 29.776	-0.0044	13	-21 9 34.23	-0.008	09	0.25	29.848	16	33.4	34.10	16	33.4	K0 J	13A	5749
19		9.6R	28 31.125	-0.0025	20	-22 46 2.22	-0.129	20	0.36	31.166	16	33.4	0.08	16	33.4	G0 M	14	9951
20		9.4R	28 34.831	-0.0024	20	-22 33 31.19	0.017	20	0.36	34.871	16	33.4	31.48	16	33.4	G0 M	14	9952
21		9.1R	28 39.553	-0.0041	17	-29 55 46.39	0.011	17	0.32	39.621	16	33.4	46.57	16	33.4	G0 M	13B	8566
22		9.4R	28 39.740	-0.0036	18	-23 43 8.18	-0.029	18	0.34	39.800	16	33.4	7.70	16	33.4	G0 J	14	9953
23		6.5T	28 46.139	-0.0047	12	-27 51 20.45	-0.002	12	0.66	46.390	17	96.6	20.36	17	95.3	A2	GC	18277
24		9.1R	28 52.229	-0.0099	18	-28 8 30.44	-0.021	18	0.34	52.393	16	33.4	30.10	16	33.4	G5 J	13B	8569
25		9.4R	29 3.068	-0.0043	21	-27 36 1.08	0.110	21	0.38	3.139	16	33.4	2.91	16	33.4	K0 M	13B	8572
26		9.2R	29 4.368	-0.0032	15	-22 40 4.57	-0.024	15	0.30	4.420	16	33.4	4.18	16	33.4	M M	14	9956
27		7.5T	29 5.587	-0.0081	11	-25 51 27.58	0.008	09	0.56	5.993	18	99.7	28.01	18	99.0	F5	GC	18282
28		8.6R	29 18.322	-0.0094	15	-22 38 11.39	-0.046	15	0.30	18.477	16	33.4	10.64	16	33.4	G0 J	14	9957
29		9.1A	29 19.782	-0.0005	17	-20 41 38.65	0.001	13	0.30	19.790	16	33.4	38.67	16	33.4	F2 J	13A	5752
30		9.2R	29 21.251	-0.0022	12	-22 42 42.42	-0.022	12	0.25	21.287	16	33.4	42.06	16	33.4	F5 J	14	9958
31		9.2R	29 23.191	-0.0020	18	-22 42 43.79	-0.035	18	0.34	23.224	16	33.4	43.22	16	33.4	F5 J	14	9961
32		8.8R	29 28.605	-0.0032	15	-23 35 20.42	-0.027	15	0.30	28.659	16	33.4	19.97	16	33.4	K2 J	14	9962
33		9.4A	29 40.471	-0.0045	17	-21 11 24.37	-0.013	13	0.30	40.545	16	33.4	24.15	16	33.4	G5 J	13A	5755
34		8.4R	29 45.382	-0.0107	20	-26 24 4.49	0.055	20	0.36	45.559	16	33.4	5.41	16	33.4	G5 J	14	9963
35		6.4T	29 46.412	-0.0055	04	-29 18 31.47	0.000	04	0.23	46.678	09	01.4	31.47	10	01.7	F5	GC	18294
36		8.0R	29 46.884	0.0034	20	-29 2 20.28	-0.033	20	0.36	46.827	16	33.4	19.73	16	33.4	A2 J	13B	8580
37		5.7T	29 48.383	-0.0078	05	-28 26 9.22	-0.031	06	0.24	48.719	06	06.8	7.89	06	06.8	A0	GC	18295
38		8.7R	29 51.770	-0.0028	15	-26 41 8.20	-0.001	15	0.30	51.816	16	33.4	8.19	16	33.4	K0 J	14	9964
39		9.0R	29 54.732	-0.0007	18	-24 33 1.92	-0.028	18	0.34	54.743	16	33.4	1.46	16	33.4	K5 J	14	9965
40		9.5R	30 3.022	-0.0021	18	-24 58 36.23	-0.007	18	0.34	3.057	16	33.4	36.11	16	33.4	F5 J	14	9966
41		8.5A	30 3.406	-0.0053	17	-21 55 23.99	0.030	13	0.30	3.494	16	33.4	24.48	16	33.4	G0 J	13A	5757
42		6.9T	30 7.475	-0.0034	14	-26 19 51.91	-0.010	11	0.64	7.639	18	01.6	51.41	17	99.5	A3	GC	18303
43		8.6R	30 11.321	-0.0001	20	-27 5 45.79	-0.028	20	0.36	11.323	16	33.4	45.33	16	33.4	G5 J	14	9968
44		9.3R	30 12.518	0.0004	15	-23 45 7.72	-0.016	15	0.30	12.511	16	33.4	7.45	16	33.4	K5 M	14	9969
45		8.0R	30 16.899	-0.0024	20	-26 44 50.75	-0.006	20	0.36	16.939	16	33.4	50.65	16	33.4	G5 J	14	9970
46		8.7R	30 19.109	0.0057	17	-29 43 19.79	-0.017	17	0.32	19.014	16	33.4	19.50	16	33.4	F5 M	13B	8584
47		8.7R	30 19.968	0.0007	20	-29 54 2.86	0.038	20	0.36	19.957	16	33.4	3.50	16	33.4	K0 J	14	9971
48		8.5R	30 20.898	-0.0019	18	-25 16 52.50	-0.048	18	0.34	20.930	16	33.4	51.70	16	33.4	F5 J	14	9972
49		8.7R	30 20.994	-0.0001	20	-29 2 35.39	-0.032	20	0.36	20.996	16	33.4	34.86	16	33.4	A2 J	13B	8586
50		8.7R	30 25.867	-0.0047	20	-28 42 53.84	-0.020	20	0.36	25.946	16	33.4	53.50	16	33.4	G0 J	13B	8588
51		9.3R	13 30 29.615	-0.0027	18	-23 25 45.47	-0.001	18	0.34	29.659	16	33.4	45.46	16	33.4	K0 J	14	9973
52		8.6R	30 33.019	0.0021	18	-24 2 30.19	-0.006	18	0.34	32.983	16	33.4	30.09	16	33.4	K5 J	14	9974
53		9.0R	30 38.352	-0.0045	12	-27 25 20.78	-0.044	12	0.25	38.428	16	33.4	20.05	16	33.4	G0 J	13B	8592
54		9.4R	30 38.656	0.0021	20	-24 22 15.10	-0.024	20	0.36	38.621	16	33.4	14.70	16	33.4	F8 M	14	9975
55		8.7R	30 44.705	-0.0012	20	-29 18 41.61	-0.037	20	0.36	44.725	16	33.4	40.99	16	33.4	K2 J	13B	8593
56		8.8A	30 44.891	-0.0059	17	-20 21 45.06	-0.027	13	0.30	44.990	16	33.4	44.62	16	33.4	K0 J	13A	5760
57		8.6R	30 45.133	0.0006	15	-24 9 12.65	0.007	15	0.30	45.123	16	33.4	12.76	16	33.4	K0 J	14	9976
58		9.2R	31 4.906	-0.0001	15	-22 23 57.89	-0.005	15	0.30	4.908	16	33.4	57.80	16	33.4	K5 J	14	9977
59		8.7R	31 16.041	0.0002	17	-29 23 9.46	0.022	17	0.32	16.038	16	33.4	9.82	16	33.4	K2 J	13B	8596
60		8.2R	31 31.971	-0.0025	18	-25 7 28.59	0.014	18	0.34	32.012	16	33.4	28.82	16	33.4	+++ M	14	9978
61		9.0R	31 33.098	-0.0017	12	-25 24 41.71	0.032	12	0.25	33.126	16	33.4	42.23	16	33.4	F8 J	14	9979
62		9.0R	31 39.526	-0.0431	18	-27 14 55.24	-0.153	18	0.34	40.243	16	33.4	52.70	16	33.4	K0 J	14	9980
63		8.8A	31 40.549	0.0005	17	-20 12 6.60	-0.047	13	0.30	40.541	18	33.3	5.82	16	33.3	A0 J	12B	5764
64		9.1R	31 44.831	-0.0009	18	-22 33 36.37	0.015	18	0.34	44.846	16	33.4	36.62	16	33.4	G0 J	14	9981
65		8.7R	31 58.220	0.0036	15	-28 15 31.59	-0.035	15	0.30	58.159	16	33.4	31.01	16	33.4	K0 J	13B	8598
66		8.7R	32 1.242	-0.0046	18	-27 2 8.10	-0.019	18	0.34	1.319	16	33.4	7.79	16	33.4	K2 J	14	9982
67		9.3A	32 6.465	-0.0014	13	-21 28 49.01	0.018	09	0.25	6.489	16	33.4	49.31	16	33.4	A0 J	13A	5765
68		9.3R	32 9.506	0.0002	15	-24 11 0.05	-0.014	15	0.30	9.503	16	33.4	59.81	16	33.4	F8 J	14	9983
69		9.2R	32 11.342	-0.0003	15	-27 34 41.47	-0.006	15	0.30	11.347	16	33.4	41.38	16	33.4	F5 J	13B	8600
70		8.4R	32 18.834	-0.0000	18	-25 2 54.93	-0.018	18	0.34	18.834	16	33.4	54.62	16	33.4	F8 J	14	9985
71		8.9R	32 20.051	-0.0033	20	-29 7 54.46	0.012	20	0.36	20.106	16	33.4	54.66	16	33.4	F8 J	13B	8602
72		9.2A	32 25.346	-0.0025	15	-20 10 53.84	0.012	11	0.27	25.389	18	33.3	54.05	16	33.3	F5 J	12B	5766
73		9.1R	32 26.775	-0.0009	18	-28 17 11.51	-0.099	18	0.34	26.790	16	33.4	9.86	16	33.4	K0 J	13B	8606
74		7.8A	32 40.369	-0.0023	17	-22 21 48.13	0.008	13	0.30	40.407	16	33.4	48.26	16	33.4	M0 J	13A	5767
75		8.4R	32 42.349	-0.0020	20	-28 54 0.58	0.028	20	0.36	42.382	16	33.4	1.04	16	33.4	A0 J	13B	8607
76		9.3A	32 43.540	0.0004	13	-22 14 11.84	0.006	09	0.25	43.533	16	33.4	11.93	16	33.4	G0 J	13A	5768
77		7.1T	32 47.675	-0.0086	16	-21 46 7.51	-0.042	15	0.76	48.083	18	02.6	5.46	17	01.6	F8	GC	18363
78		9.0R	32 50.855	-0.0001	18	-26 39 50.15	-0.012	15	0.32	50.857	16	33.4	49.95	16	33.4	G5 J	14	9986
79		8.3R	32 52.373	-0.0016	20	-29 7 21.27	0.033	20	0.36	52.400	16	33.4	21.81	16	33.4	F2 J	13B	8610
80		8.5R	32 57.016	-0.0018	20	-28 50 51.85	0.018	20	0.36	57.045	16	33.4	52.14	16	33.4	F5 J	13B	8612
81		9.1R	32 59.344	-0.0025	18	-28 17 58.56	0.012	18	0.34	59.385	16	33.4	58.76	16	33.4	K5 J	13B	8613
82		9.2R	33 1.122	-0.0015	15	-27 4 18.26	-0.013	15	0.30	1.147	16	33.4	18.05	16	33.4	K0 M	14	9987
83		8.5A	33 4.323	-0.0004	17	-22 7 42.28	-0.021	13	0.30	4.330	16	33.4	41.93	16	33.4	G5 J	13A	5770
84		8.5R	33 6.462	-0.0002	12	-26 43 8.50	0.002	12	0.25	6.460	16	33.4	8.53	16	33.4	K0 J	14	9988
85		8.9R	33 24.562	-0.0045	20	-29 24 22.69	0.009	20	0.36	24.637	16	33.4	22.83	16	33.4	G5 J	13B	8617K
86		9.2R	33 26.207	-0.0130	12	-23 23 50.45	-0.147	12	0.25	26.423	16	33.4	48.01	16	33.4	K0 J	14	9991
87		9.2R	33 49.860	-0.0050	18	-22 37 44.63	-0.037	18	0.34	49.942	16	33.4	44.02	16	33.4	K2 J	14	9992
88		9.1R	33 59.809	-0.0022	20	-29 6 37.56	0.177	20	0.36	59.846	16	33.4	40.49	16	33.4	K5 J	13B	8624
89		7.0Q	34 1.387	-0.0074	11	-26 14 36.33	0.026	09	0.59	1.798	15	94.3	37.87	14	90.8	A	GC	18388K
90		5.5T	34 1.599	-0.0068	04	-26 14 26.42	0.017	04	0.20	1.901	07	05.5	27.24	09	01.6	A2	GC	18389K
91		9.0R	34 2.234	-0.0027	20	-29 43 5.78	-0.024	20	0.36	2.279	16	33.4	5.37	16	33.4	G5 J	13B	8625
92		8.6A	34 7.313	-0.0009	17	-21 26 53.42	0.001	13	0.30	7.329	16	33.4	53.45	16	33.4	M1 J	13A	5773
93		9.2R	34 7.586	-0.0015	18	-24 32 41.31	-0.018	18	0.34	7.612	16	33.4	41.01	16	33.4	G5 J	14	9995
94		7.8R	34 18.628	-0.0035	12	-27 23 48.36	-0.028	12	0.25	18.686	16	33.4	47.90	16	33.4	F8 J	13B	8629
95		8.3A	34 18.921	-0.0058	17	-21 35 58.73	0.001	13	0.30	19.017	16	33.4	58.74	16	33.4	F0 J	13A	5774
96		9.2R	34 23.213	-0.0053	18	-26 26 25.27	-0.032	18	0.34	23.301	16	33.4	24.75	16	33.4	K2 J	14	9997
97		7.2T	34 25.223	-0.0027	12	-23 21 39.65	-0.059	13	0.65	25.357	17	99.8	36.74	18	00.6	A3	GC	18396
98		9.2R	34 27.170	0.0010	15	-23 37 39.47	-0.006	18	0.32	27.154	16	33.4	39.37	16	33.4	F8 J	14	9999
99		7.5R	34 27.223	-0.0019	12	-28 26 16.34	0.007	12	0.25	27.254	16	33.4	16.45	16	33.4	K0 J	13B	8630
00		9.3R	34 28.526	-0.0009	18	-23 39 43.47	-0.005	18	0.34	28.511	16	33.4	43.38	16	33.4	K M	14	10000

-20° 13H

DM NUMBER

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181800

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ_s s	σ_μ ″/001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″/001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ ″/01	ep.	δ_2 ″	σ' ″/01	ep.	SP.		SOURCE CAT.	STAR NUMBER	-20° 13H DM NUMBER
1		8.6R	13 34 31.441	-0.0004	20	-29 55 9.40	0.015	20	0.36	31.447	16	33.4	9.64	16	33.4	K0	J	13B	8631	J -2910471
2		9.1R	34 32.297	-0.0002	18	-22 59 38.47	-0.023	18	0.34	32.301	16	33.4	38.09	16	33.4	K2	J	14	10001	E -2210025
3		8.7A	34 33.217	-0.0019	18	-21 20 44.83	0.002	13	0.31	33.255	16	33.4	44.87	16	33.4	K0	J	13A	5775	A -20 3454
4		9.0A	34 36.890	0.0003	12	-21 40 4.94	-0.016	09	0.24	36.885	16	33.4	4.67	16	33.4	F5	J	13A	5776	A -21 3742
5		9.2R	34 44.015	0.0019	18	-24 55 15.30	0.002	18	0.34	43.985	16	33.4	15.33	16	33.4	G5	M	14	10002	E -2411001
6		8.6R	34 46.405	-0.0028	17	-29 49 48.94	-0.026	17	0.32	46.452	16	33.4	48.50	16	33.4	K2	J	13B	8634	J -2910473
7		8.6R	34 47.193	-0.0001	15	-26 48 15.48	-0.025	15	0.30	47.196	16	33.4	15.07	16	33.4	A5	J	14	10003	E -26 9835
8		9.1R	34 49.077	-0.0021	17	-29 38 19.26	-0.015	17	0.32	49.111	16	33.4	19.00	16	33.4	G5	M	13B	8635	J -2910474
9		8.9A	34 53.062	0.0000	17	-21 58 2.58	0.009	13	0.30	53.062	16	33.4	2.73	16	33.4	K2	J	13A	5778	A -21 3743
10		9.3R	34 55.702	-0.0014	15	-24 21 17.11	-0.003	15	0.30	55.724	16	33.4	17.06	16	33.4	K2	M	14	10004	E -2311168
11		9.2R	34 57.840	-0.0106	15	-23 21 16.53	-0.035	15	0.30	58.015	16	33.4	15.95	16	33.4	G5	M	14	10005	E -2210032
12		8.4R	35 1.584	0.0013	18	-22 30 35.61	0.033	18	0.34	1.562	16	33.4	36.16	16	33.4	F8	J	14	10006	E -2210035
13		8.6R	35 4.823	-0.0072	18	-23 52 28.48	-0.057	18	0.34	4.942	16	33.4	29.42	16	33.4	G5	J	14	10007	E -2311169
14		9.7R	35 11.274	0.0004	00	-27 50 57.71	-0.041	21	0.29	11.267	16	33.4	57.03	16	33.4	G5	J	13B	8638	J -27 9341
15		8.0R	35 11.729	-0.0037	15	-22 57 58.20	0.007	15	0.30	11.790	16	33.4	58.32	16	33.4	K2	J	14	10008	E -2210036
16		8.9A	35 27.122	-0.0031	15	-20 30 25.97	-0.002	11	0.27	27.173	16	33.4	25.94	16	33.4	F8	J	13A	5783	A -20 3856
17		8.8R	35 27.267	0.0030	18	-22 47 3.71	-0.028	18	0.34	27.217	16	33.4	3.25	16	33.4	F5	J	14	10009	E -2210038
18		8.0R	35 28.638	-0.0160	18	-23 26 11.06	0.079	18	0.34	28.903	16	33.4	12.37	16	33.4	G0	J	14	10010	E -2311172
19		8.5R	35 31.852	-0.0046	18	-22 31 21.05	-0.002	18	0.34	31.928	16	33.4	21.02	16	33.4	K0	J	14	10012	E -2210042
20		8.8R	35 33.520	-0.0002	12	-25 35 19.34	0.042	12	0.25	33.524	16	33.4	20.04	16	33.4	F8	J	14	10011	E -25 9917
21		7.0T	35 34.043	-0.0007	06	-29 35 6.32	0.020	05	0.27	34.074	10	05.7	7.30	12	00.1	A5		GC	18430	C -2910482
22		8.7A	35 35.521	-0.0009	13	-20 10 14.35	0.019	09	0.26	35.537	18	33.3	14.67	16	33.3	K2	J	12B	5786	A -19 3711
23		8.2R	35 43.498	0.0011	12	-26 39 6.40	-0.024	12	0.25	43.480	16	33.4	6.00	16	33.4	A0	J	14	10014	E -26 9840
24		9.2R	35 44.884	0.0004	15	-26 24 46.77	-0.008	15	0.30	44.877	16	33.4	46.64	16	33.4	K2	J	14	10015	E -26 9841
25		5.8T	35 53.056	-0.0060	04	-29 18 22.01	-0.073	04	0.24	53.353	10	00.6	18.14	10	97.2	F0		GC	18442	C -2810181
26		9.4R	35 54.982	-0.0018	20	-29 15 54.24	0.028	20	0.36	55.012	16	33.4	54.70	16	33.4			13B	8646	J -2810182
27		8.1R	35 56.655	-0.0039	12	-27 0 22.49	-0.022	12	0.25	56.720	16	33.4	22.13	16	33.4	A3	J	14	10016	E -26 9843
28		8.9A	36 4.633	-0.0052	18	-21 19 59.64	-0.007	15	0.32	4.718	16	33.4	59.51	16	33.4	K2	J	13A	5788	A -20 3857
29		9.1R	36 7.563	0.0019	18	-25 10 17.40	-0.046	18	0.34	7.531	16	33.4	16.63	16	33.4	K0	M	14	10017	E -2411010
30		9.4R	36 14.921	-0.0037	18	-22 33 7.82	-0.032	18	0.34	14.981	16	33.4	7.29	16	33.4	K5	J	14	10019	E -2210045
31		7.6T	36 15.211	-0.0029	14	-24 36 31.29	-0.023	12	0.71	15.354	18	00.1	30.08	18	97.5	K0		GC	18449	C -2411011
32		9.2R	36 18.562	-0.0006	15	-27 41 17.53	0.001	15	0.30	18.572	16	33.4	17.55	16	33.4	G0	J	13B	8650	J -27 9346
33		9.6R	36 28.846	0.0024	18	-23 42 22.91	-0.006	00	0.26	28.805	16	33.4	22.81	16	33.4	A5	M	14	10020	E -2311182
34		8.7R	36 52.289	0.0013	12	-25 44 15.06	-0.009	12	0.25	52.267	16	33.4	14.92	16	33.4	K0	J	14	10021	E -25 9926
35		9.6R	36 53.529	-0.0029	18	-24 0 34.31	0.029	18	0.34	53.577	16	33.4	34.79	16	33.4	F0	M	14	10022	E -2311185
36		9.1R	36 55.553	-0.0042	20	-29 21 37.13	-0.048	20	0.36	55.623	16	33.4	36.34	16	33.4	K0	J	13B	8656	J -2810190
37		9.2R	37 0.583	-0.0018	18	-22 29 49.16	-0.007	18	0.34	0.613	16	33.4	49.04	16	33.4	M0	J	14	10023	E -2210049
38		8.4R	37 5.011	-0.0039	18	-26 53 54.77	-0.042	18	0.34	5.077	16	33.4	54.08	16	33.4	A3	J	14	10024	E -26 9852
39		8.4R	37 6.518	-0.0007	18	-25 10 10.63	-0.024	18	0.34	6.529	16	33.4	10.22	16	33.4	K0	J	14	10025	E -2411016
40		8.7R	37 7.406	0.0001	12	-27 15 16.95	-0.003	12	0.25	7.404	16	33.4	16.90	16	33.4	K0	J	13B	8660	J -26 9853
41		9.0R	37 7.977	0.0024	18	-27 30 53.92	-0.027	18	0.34	7.937	16	33.4	53.47	16	33.4	K0	J	13B	8661	J -27 9352
42		9.2R	37 10.117	-0.0012	18	-24 25 50.34	-0.030	18	0.34	10.137	16	33.4	49.84	16	33.4	F8	J	14	10026	E -2411017
43		7.0T	37 20.696	-0.0030	11	-27 19 28.67	-0.013	08	0.51	20.849	17	98.4	27.96	15	95.0	K0		GC	18470	C -26 9856
44		9.0R	37 23.523	-0.0013	18	-24 14 11.36	-0.028	18	0.34	23.544	16	33.4	10.89	16	33.4	M0	M	14	10027	E -2311192
45		8.7R	37 24.427	0.0010	18	-22 23 4.84	-0.060	18	0.34	24.411	16	33.4	3.84	16	33.4	K0	J	14	10028	E -2210052
46		8.3R	37 25.577	-0.0006	15	-24 0 41.19	0.026	18	0.32	25.586	16	33.4	41.61	16	33.4	G5	J	14	10029	E -2311193
47		9.3R	37 26.471	0.0021	12	-24 57 33.77	-0.011	12	0.25	26.437	16	33.4	33.58	16	33.4	K0	M	14	10030	E -2411020
48		9.0R	37 35.852	-0.0047	18	-22 46 52.42	-0.026	18	0.34	35.928	16	33.4	51.99	16	33.4	F0	J	14	10031	E -2210055
49		9.4A	37 40.320	0.0003	18	-21 28 20.03	-0.016	13	0.31	40.315	16	33.4	19.77	16	33.4	F5	J	13A	5795	A -20 3861
50		9.2R	37 51.123	-0.0004	20	-29 50 2.51	0.017	20	0.36	51.129	16	33.4	2.79	16	33.4	K0	M	13B	8663	J -2910512
51		8.5R	13 37 52.049	0.0012	17	-28 44 2.44	-0.018	17	0.32	52.029	16	33.4	2.14	16	33.4	K5	J	13B	8664	J -2810197
52		8.2R	37 58.589	-0.0065	15	-27 59 21.07	-0.037	15	0.30	58.696	16	33.4	20.46	16	33.4	F5	J	13B	8665	J -27 9355
53		9.3R	38 11.178	0.0004	20	-28 29 21.26	0.046	20	0.36	11.171	16	33.4	22.03	16	33.4	K0	J	13B	8666	J -2810200
54		8.0T	38 11.968	-0.0001	13	-29 28 41.50	-0.001	11	0.65	11.974	17	00.7	41.44	19	97.7	G5		GC	18483	C -2910516
55		9.1A	38 15.494	-0.0019	11	-20 29 46.41	0.001	09	0.23	15.525	16	33.4	46.43	16	33.4	K2	J	13A	5796	A -20 3864
56		9.3R	38 17.010	-0.0033	18	-26 41 9.10	-0.014	18	0.34	17.066	16	33.4	8.87	16	33.4	F8	M	14	10032	E -26 9865
57		9.2R	38 19.953	-0.0032	18	-25 5 28.05	-0.004	18	0.34	20.006	16	33.4	27.98	16	33.4	K0	J	14	10033	E -2411025
58		8.0R	38 25.215	0.0020	17	-29 39 31.59	-0.007	17	0.32	25.181	16	33.4	31.47	16	33.4	K0	J	13B	8669	J -2910519
59		9.1R	38 34.847	-0.0016	20	-28 51 23.17	0.041	20	0.36	34.874	16	33.4	23.85	16	33.4	F5	J	13B	8673	J -2810205
60		7.4T	38 39.445	-0.0004	11	-26 16 44.63	-0.012	10	0.60	39.465	18	97.7	43.97	18	94.8	K2		GC	18498	C -25 9945
61		7.7R	38 41.141	-0.0027	12	-26 58 48.91	-0.013	12	0.25	41.187	16	33.4	48.70	16	33.4	G5	J	14	10035	E -26 9871
62		8.7R	38 43.002	-0.0001	15	-27 1 12.91	-0.018	15	0.30	43.004	16	33.4	12.62	16	33.4	A2	J	14	10036	E -26 9872
63		6.4H	38 44.946	-0.0006	03	-23 11 51.04	0.002	03	0.09	44.961	05	24.7	51.09	05	23.6	A0		F4	1354	-22 3645
64		8.6R	38 46.073	0.0001	18	-27 21 34.72	-0.005	18	0.34	46.072	16	33.4	34.64	16	33.4	K0	J	13B	8676	J -26 9873
65		9.3R	38 49.484	-0.0006	18	-23 21 28.66	0.006	18	0.34	49.493	16	33.4	28.76	16	33.4	A2	J	14	10038	E -2210063
66		8.5R	38 50.003	0.0022	20	-29 49 13.62	-0.012	20	0.36	49.967	16	33.4	13.41	16	33.4	K2	J	13B	8678	J -2910524
67		8.9R	38 51.151	0.0005	18	-24 57 36.78	-0.021	18	0.34	51.144	16	33.4	36.43	16	33.4	F5	J	14	10039	E -2411027
68		8.0R	38 54.529	-0.0020	20	-28 30 35.81	-0.018	20	0.36	54.664	16	33.4	35.51	16	33.4	F2	J	13B	8680	J -2810207
69		8.5R	38 54.533	-0.0055	20	-29 0 17.04	-0.023	20	0.36	54.624	16	33.4	16.65	16	33.4	G5	J	13B	8679	J -2810206
70		8.5R	38 55.891	0.0011	18	-27 55 37.06	-0.042	18	0.34	55.872	16	33.4	36.37	16	33.4	K0	J	13B	8681	J -27 9361
71		8.9R	39 5.940	0.0057	13	-29 29 23.16	-0.009	13	0.27	5.845	16	33.4	23.00	16	33.4	G0	J	13B	8682	J -2910535
72		9.0R	39 6.611	0.0004	15	-25 59 9.12	0.036	15	0.30	6.604	16	33.4	9.72	16	33.4	K0	J	14	10040	E -25 9948
73		9.2R	39 7.847	-0.0003	17	-28 41 52.45	0.014	17	0.32	7.852	16	33.4	52.68	16	33.4	F5	J	13B	8683K	J -2810210
74		8.7R	39 15.222	-0.0038	15	-22 51 52.44	-0.039	15	0.30	15.285	16	33.4	51.79	16	33.4	F8	J	14	10041	E -2210066
75		9.1R	39 22.716	-0.0024	12	-25 43 3.49	-0.038	12	0.25	22.757	16	33.4	2.86	16	33.4	F8	J	14	10042	E -25 9950
76		8.5R	39 25.650	0.0001	20	-29 31 4.16	-0.007	20	0.36	25.648	16	33.4	4.04	16	33.4	F0	J	13B	8684	J -2910535
77		8.6R	39 27.345	-0.0035	20	-29 28 6.40	0.012	20	0.36	27.403	16	33.4	6.59	16	33.4	M0	M	13B	8685	J -2910536
78		8.7R	39 28.629	0.0002	17	-28 52 21.96	0.012	17	0.32	28.625	16	33.4	22.15	16	33.4	K0	J	13B	8686	J -2810213
79		8.7R	39 33.111	-0.0049	20	-28 56 30.61	-0.102	20	0.36	33.192	16	33.4	28.91	16	33.4	G5	J	13B	8687	J -2810215
80		9.4R	39 34.541	0.0049	18	-23 52 19.47	0.040	18	0.34	34.459	16	33.4	20.13	16	33.4	K0	M	14	10043	E -2311214
81		8.6A	39 35.461	-0.0017	11	-21 47 37.87	-0.012	09	0.23	35.489	16	33.4	37.67	16	33.4	G5	J	13A	5801	A -21 3755
82		8.8R	39 38.301	0.0004	18	-24 7 26.41	-0.008	18	0.34	38.294	16	33.4	26.54	16	33.4	F0	J	14	10044	E -2311217
83		9.0R	39 51.709	0.0060	20	-24 17 30.83	-0.042	20	0.36	51.609	16	33.4	30.13	16	33.4	F8	J	14	10045	E -2311220
84		9.0R	39 55.668	0.0010	20	-28 25 21.28	-0.018	20	0.36	55.651	16	33.4	20.99	16	33.4	F8	J	13B	8691	J -2810218
85		9.5R	39 58.382	0.0009	18	-23 4 1.84	0.024	18	0.34	58.367	16	33.4	2.24	16	33.4	A5	J	14	10046	E -2210071
86		9.0R	40 0.520	-0.0010	21	-27 33 25.42	-0.020	21	0.38	0.537	16	33.4	25.09	16	33.4	F8	J	13B	8692	J -27 9373
87		9.4R	40 3.382	-0.0036	18	-24 18 10.76	0.016	18	0.34	3.441	16	33.4	11.02	16	33.4	F5	J	14	10047	E -2311221
88		8.8A	40 5.587	-0.0021	11	-22 22 25.34	-0.009	09	0.23	5.621	16	33.4	25.19	16	33.4	K5	J	13A	5803	A -21 3757
89		9.0R	40 7.701	-0.0047	20	-28 41 58.66	-0.027	20	0.36	7.779	16	33.4	58.20	16	33.4	K0	J	13B	8693	J -2810219
90		9.1R	40 9.770	-0.0028	15	-22 55 20.72	0.013	15	0.30	9.816	16	33.4	20.94	16	33.4	F2	J	14	10048	E -2210075
91		7.0T	40 10.763	-0.0042	13	-29 55 52.61	-0.008	12	0.70	10.975	17	99.3	52.15	17	95.7	A2		GC	18533	C -2910543
92		8.8R	40 13.935	-0.0001	00	-23 58 36.22	0.008	18	0.26	13.937	16	33.4	36.35	16	33.4	K0	J	14	10049	E* -2311223
93		9.2R	40 18.120	-0.0072	18	-22 33 8.66	0.001	18	0.34	18.239	16	33.4	8.68	16	33.4	G5	J	14	10050	E -2210079
94		9.4R	40 19.449	-0.0046	20	-23 34 52.02	0.080	20	0.36	19.526	16	33.4	53.35	16	33.4	K0	M	14	10051	E -2311225
95		9.0R	40 19.516	-0.0002	18	-27 55 10.30	0.014	18	0.34	19.520	16	33.4	10.54	16	33.4	F8	J	13B	8697	J -27 9379
96		8.0R	40 20.346	-0.0034	20	-29 10 17.57	0.012	20	0.36	20.402	16	33.4	17.76	16	33.4	K5	J	13B	8698	J -2810222
97		8.9A	40 25.909	0.0018	15	-22 19 57.99	-0.084	11	0.27	25.879	16	33.4	56.59	16	33.4	G5	J	13A	5806	A -21 3759
98		8.6R	40 28.343	-0.0007	12	-25 37 4.16	-0.009	12	0.25	28.354	16	33.4	4.02	16	33.4	K0	J	14	10052	E -25 9958
99		8.7R	40 30.259	-0.0053	18	-24 43 13.45	-0.007	18	0.34	30.347	16	33.4	13.33	16	33.4	F5	J	14	10053	E -2411046
00		9.0R	40 30.756	0.0008	18	-27 43 41.75	0.023	18	0.34	30.742	16	33.4	42.13	16	33.4	K5	J	13B	8699	J -27 9380

181900

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ s	σ_μ .001"	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ .001"	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ .01"	ep.	δ_2 ″	σ' .01"	ep.	SP.	CAT.	SOURCE STAR NUMBER	-20° 13H DM NUMBER
1		9.4R	13 40 32.244	0.0003	15	-24 43 3.04	0.023	18	0.32	32.239	16	33.4	3.42	16	33.4	K0 M	14	10054	E -2411047
2		8.6T	40 35.353	-0.0024	22	-22 6 56.92	0.025	20	0.95	35.456	21	07.1	58.03	19	04.8	A2	GC	18542	-21 3760
3		9.4R	40 39.864	-0.0037	18	-24 19 13.90	-0.011	18	0.34	39.925	16	33.4	13.71	16	33.4	F8 M	14	10056	E -2311229
4		9.0R	40 40.231	0.0015	12	-27 14 46.17	-0.022	12	0.25	40.206	16	33.4	45.81	16	33.4	M0 M	14	10055	E -26 9890
5		9.0R	40 46.565	0.0000	18	-23 33 32.05	-0.032	18	0.34	46.564	16	33.4	31.51	16	33.4	M0 M	14	10057	E -2311233
6		9.4R	40 48.449	-0.0010	18	-26 24 42.51	-0.035	18	0.34	48.466	16	33.4	41.93	16	33.4	K0 J	14	10058	E -26 9891
7		9.0R	40 53.939	-0.0036	18	-24 17 16.05	0.004	18	0.34	53.998	16	33.4	16.11	16	33.4	M1 M	14	10059	E -2311234
8		9.6R	40 57.562	-0.0017	18	-23 29 52.93	-0.044	18	0.34	57.590	16	33.4	52.20	16	33.4	F0 M	14	10060	E -2311235
9		9.0A	41 0.041	-0.0041	11	-20 57 42.07	-0.012	09	0.23	0.108	16	33.4	41.88	16	33.4	F8 J	13A	5808	A -20 3870
10		8.8R	41 5.137	-0.0074	15	-27 30 55.72	0.017	15	0.30	5.260	16	33.4	56.01	16	33.4	A2 J	13B	8703	J -27 9386
11		8.0R	41 7.099	-0.0011	17	-28 24 53.78	-0.004	17	0.32	7.118	16	33.4	53.71	16	33.4	K0 J	13B	8704	J -2810228
12		9.0R	41 18.103	0.0008	12	-29 37 26.88	-0.036	12	0.25	18.090	16	33.4	26.28	16	33.4	K2 J	13B	8706	J -2910555
13		9.0A	41 19.744	-0.0021	11	-20 35 46.81	0.025	09	0.23	19.779	16	33.4	47.24	16	33.4	K0 J	13A	5809	A -20 3872
14		9.3R	41 35.533	-0.0041	20	-29 52 47.50	0.001	20	0.36	35.601	16	33.4	47.51	16	33.4	A2 J	13B	8708	J -2910559
15		9.4R	41 37.260	-0.0026	18	-22 38 45.23	-0.041	18	0.34	37.302	16	33.4	44.55	16	33.4	G5 J	14	10061	E -2210092
16		9.2R	41 39.435	-0.0001	15	-26 4 24.51	-0.006	15	0.30	39.437	16	33.4	24.42	16	33.4	K0 J	14	10062	E -25 9967
17		9.3R	41 41.221	-0.0033	18	-26 47 23.89	-0.036	18	0.34	41.276	16	33.4	23.29	16	33.4	G5 J	14	10063	E -26 9951
18		8.9A	41 41.987	-0.0002	11	-20 58 21.16	-0.016	09	0.23	41.991	16	33.4	20.91	16	33.4	K0 J	13A	5810	A -20 3873
19		8.6R	41 49.222	-0.0032	15	-26 31 45.43	-0.021	15	0.30	49.275	16	33.4	45.08	16	33.4	A3 J	14	10064	E*-26 9905
20		9.4R	41 55.776	-0.0016	18	-22 35 19.75	-0.011	18	0.34	55.803	16	33.4	19.57	16	33.4	G0 J	14	10065	E -2210095
21		6.2T	41 58.316	-0.0039	11	-25 15 0.00	-0.021	10	0.61	58.531	17	95.2	-58.81	17	93.7	K0	GC	18571	C -2411057
22		8.5R	42 2.608	-0.0024	15	-27 23 47.26	-0.027	15	0.30	2.649	16	33.4	46.82	16	33.4	G0 J	13B	8709	J -27 9395
23		9.0R	42 3.264	-0.0059	12	-28 40 29.15	0.011	12	0.25	3.362	16	33.4	29.33	16	33.4	G5 J	13B	8710	J -2810237
24		8.6R	42 10.874	-0.0037	15	-26 58 59.14	-0.021	15	0.30	10.936	16	33.4	58.79	16	33.4	F8 J	14	10067	E -26 9908
25		9.2R	42 14.241	-0.0048	18	-26 20 9.50	0.007	18	0.34	14.321	16	33.4	9.62	16	33.4	K0 J	14	10068	E -25 9971
26		9.4R	42 24.277	-0.0033	21	-27 2 10.16	0.010	21	0.38	24.299	16	33.4	10.33	16	33.4	G0 J	14	10069K	E -26 9910
27		9.3R	42 27.828	-0.0012	18	-24 21 4.91	-0.035	18	0.34	27.847	16	33.4	4.32	16	33.4	G5 M	14	10070	E -2311256
28		8.8R	42 28.440	-0.0005	12	-28 45 59.20	-0.019	12	0.25	28.448	16	33.4	58.88	16	33.4	F0 J	13B	8715	J -2810241
29		9.1R	42 44.501	-0.0018	17	-29 16 53.28	-0.030	17	0.32	44.530	16	33.4	52.78	16	33.4	G0 J	13B	8717	J -2810242
30		9.2R	42 45.370	-0.0030	15	-23 42 42.08	-0.068	18	0.32	45.420	16	33.4	40.95	16	33.4	G5 J	14	10071	E -2311259
31		5.8T	42 49.075	-0.0053	06	-25 51 56.88	-0.014	04	0.24	49.326	09	02.5	56.15	09	97.7	A0	GC	18592	C -25 9972
32		9.0R	42 50.124	0.0019	17	-28 43 23.45	0.015	17	0.32	50.093	16	33.4	23.70	16	33.4	K2 J	13B	8719	J -2810243
33		8.6R	42 51.028	0.0065	18	-28 21 25.89	-0.030	18	0.34	50.919	16	33.4	25.40	16	33.4	K0 J	13B	8720	J -27 9403
34		9.3R	42 52.578	0.0025	18	-25 2 37.01	0.042	18	0.34	52.535	16	33.4	37.70	16	33.4	F8 J	14	10073	E -2411071
35		8.9R	42 53.479	-0.0011	15	-25 25 24.20	0.035	15	0.30	53.498	16	33.4	24.74	16	33.4	K2 J	14	10074	E -25 9973
36		9.0R	42 57.539	-0.0009	17	-29 21 53.58	0.030	17	0.32	57.555	16	33.4	54.07	16	33.4	G5 J	13B	8721	J -2810245
37		9.2R	43 6.633	-0.0001	21	-27 15 57.38	-0.018	21	0.38	6.635	16	33.4	57.08	16	33.4	G0 J	13B	8722	J -26 9917
38		9.2R	43 9.726	0.0001	15	-25 37 17.16	-0.019	15	0.30	9.725	16	33.4	17.48	16	33.4	F5 J	14	10075	E -25 9976
39		8.4R	43 13.935	0.0013	18	-25 6 4.10	-0.025	18	0.34	13.913	16	33.4	3.68	16	33.4	F5 J	14	10077	E -2411074
40		8.6R	43 14.284	0.0002	18	-27 7 23.78	-0.033	18	0.34	14.282	16	33.4	23.23	16	33.4	K2 J	14	10076	E -26 9918
41		8.6R	43 21.049	-0.0094	18	-23 57 10.34	0.092	18	0.34	21.205	16	33.4	11.87	16	33.4	K0 J	14	10078	E -2311266
42		9.0R	43 24.367	-0.0025	18	-25 16 23.03	0.010	18	0.34	24.408	16	33.4	23.19	16	33.4	G5 J	14	10079	E -2411076
43		9.5R	43 32.035	-0.0047	15	-24 11 25.97	-0.027	18	0.32	32.113	16	33.4	25.52	16	33.4	F8 M	14	10080	E -2311268
44		9.0R	43 34.971	0.0009	18	-22 27 9.84	0.025	18	0.34	34.956	16	33.4	10.25	16	33.4	F5 J	14	10082	E -2210109
45		9.2R	43 47.465	-0.0017	15	-24 6 9.59	-0.010	15	0.30	47.492	16	33.4	9.42	16	33.4	G5 J	14	10084	E -2311273
46		9.6R	43 58.767	-0.0017	18	-24 47 19.40	-0.045	18	0.34	58.796	16	33.4	18.65	16	33.4	F8 M	14	10085	E -2411080
47		8.3A	44 1.025	-0.0099	13	-20 36 17.25	0.112	11	0.26	1.190	16	33.4	19.11	16	33.4	F8 J	13A	5815	A -20 3885
48		9.4R	44 5.015	0.0005	15	-25 46 59.82	-0.007	15	0.30	5.006	16	33.4	59.71	16	33.4	F8 J	14	10086	E -25 9986
49		8.6R	44 7.090	-0.0048	12	-29 25 20.19	0.004	12	0.25	7.169	16	33.4	20.26	16	33.4	F8 J	13B	8728	J -2910587
50		8.8A	44 7.655	-0.0023	15	-21 41 4.35	0.003	11	0.27	7.693	16	33.4	4.40	16	33.4	G5 J	13A	5816	A -21 3770
51		8.9A	13 44 13.892	0.0010	17	-20 25 1.44	-0.013	13	0.30	13.875	16	33.4	1.22	16	33.4	G5 J	13A	5818	A -19 3738
52		9.6R	44 17.645	0.0005	18	-25 4 51.06	-0.023	18	0.34	17.637	16	33.4	50.67	16	33.4	G5 M	14	10087	E -2411082
53		9.0R	44 22.328	0.0025	18	-24 38 32.48	-0.011	18	0.34	22.287	16	33.4	32.29	16	33.4	G0 M	14	10088	E -2411083
54		8.9A	44 24.731	-0.0044	20	-21 13 5.26	-0.002	15	0.33	24.804	16	33.4	5.22	16	33.4	F0 J	13A	5820	A -20 3887
55		8.2R	44 25.912	0.0009	18	-23 13 34.20	-0.029	18	0.34	25.897	16	33.4	33.72	16	33.4	K0 J	14	10089	E -2210115
56		9.0R	44 30.584	0.0008	12	-26 43 31.40	-0.014	12	0.25	30.572	16	33.4	31.17	16	33.4	K5 J	14	10090	E -26 9930
57		9.3R	44 46.204	0.0024	18	-24 48 13.45	0.016	18	0.34	46.165	16	33.4	13.71	16	33.4	G0 M	14	10091	E -2411085
58		9.0A	44 48.959	0.0017	15	-20 7 21.14	-0.131	11	0.27	48.931	18	33.3	18.96	16	33.3	G0 J	12B	5825	A -19 3743
59		9.0A	44 53.354	0.0006	15	-21 36 13.62	-0.003	11	0.27	53.344	16	33.4	13.57	16	33.4	K2 J	13A	5827	A -21 3772
60		8.3A	44 56.084	-0.0042	17	-20 4 30.07	-0.003	13	0.30	56.155	18	33.3	30.02	16	33.3	A3 J	12B	5829	A -19 3744
61		8.1R	44 57.446	-0.0013	18	-23 10 9.72	-0.009	18	0.34	57.467	16	33.4	9.57	16	33.4	A2 J	14	10092	E -2210120
62		9.0A	45 2.369	-0.0022	18	-21 53 25.44	0.008	13	0.31	2.406	16	33.4	25.57	16	33.4	K5 J	13A	5830	A -21 3773
63		9.5R	45 12.816	-0.0008	18	-23 31 49.67	0.017	18	0.34	12.829	16	33.4	49.95	16	33.4	F5 M	14	10094	E -2311290
64		8.2R	45 18.319	-0.0007	12	-26 3 31.23	-0.001	12	0.25	18.330	16	33.4	31.22	16	33.4	K0 J	14	10095	E -2510001
65		9.1R	45 27.650	0.0004	18	-24 49 4.44	-0.017	18	0.34	27.644	16	33.4	4.15	16	33.4	K2 M	14	10096	E -2411092
66		9.5R	45 29.407	-0.0022	18	-23 6 40.80	-0.047	18	0.34	29.442	16	33.4	40.02	16	33.4	F8 M	14	10097	E -2210124
67		9.3R	45 31.521	0.0012	18	-23 55 0.55	-0.006	18	0.34	31.501	16	33.4	0.46	16	33.4	K0 M	14	10098	E -2311296
68		9.1R	45 31.784	-0.0020	17	-29 46 45.09	0.011	17	0.32	31.817	16	33.4	45.27	16	33.4	G5 J	13B	8736	J -2910603
69		8.8A	45 33.014	-0.0023	17	-20 16 10.11	0.015	11	0.29	33.052	18	33.3	10.36	16	33.3	A2 J	12B	5832	A -19 3747
70		9.1R	45 33.251	0.0001	18	-23 23 40.01	-0.030	18	0.34	33.249	16	33.4	39.51	16	33.4	K0 M	14	10099	E -2311298
71		8.2R	45 40.983	-0.0020	20	-23 36 19.19	-0.051	20	0.36	41.016	16	33.4	18.34	16	33.4	K0 J	14	10101	E -2311299
72		8.9R	45 42.211	0.0010	20	-29 58 56.97	-0.051	20	0.36	42.194	16	33.4	56.12	16	33.4	G0 J	13B	8737	J -2910604
73		8.9A	45 45.493	-0.0027	15	-21 54 26.12	0.017	11	0.27	45.538	16	33.4	26.40	16	33.4	G5 J	13A	5833	A -21 3775
74		9.3R	45 48.615	-0.0017	17	-28 29 44.65	0.032	17	0.32	48.643	16	33.4	45.19	16	33.4	F2 J	13B	8738	J -2810267
75		9.0R	45 52.844	-0.0006	18	-25 17 33.62	0.036	18	0.34	52.854	16	33.4	34.21	16	33.4	K5 J	14	10102	E -2411095
76		9.4R	45 55.678	0.0046	18	-22 26 13.34	-0.024	18	0.34	55.601	16	33.4	12.94	16	33.4	F0 M	14	10103	E -2210126
77		8.9R	46 0.494	0.0008	20	-29 50 8.62	0.013	20	0.36	0.481	16	33.4	8.83	16	33.4	G5 J	13B	8740	J -2910607
78		7.9T	46 2.134	0.0031	17	-29 24 44.50	-0.001	13	0.78	1.987	21	02.2	44.44	19	98.6	F5	GC	18653	C -2910608
79		9.1R	46 2.998	-0.0007	15	-25 53 26.21	0.006	15	0.30	3.010	16	33.4	26.32	16	33.4	F8 J	14	10104	E -2510007
80		7.0T	46 12.173	-0.0043	14	-20 30 0.67	-0.015	11	0.63	12.368	21	05.1	-59.96	19	01.4	K0	GC	18658	-20 3892
81		7.1I	46 12.222	-0.0028	11	-28 7 6.51	-0.060	09	0.52	12.364	15	00.0	3.41	15	98.3	M8E	GC	18659V	C*-27 9429
82		7.7R	46 14.875	0.0035	12	-22 28 32.29	-0.026	12	0.25	14.816	16	33.4	31.86	16	33.4	K0 J	14	10105	E -2210129
83		9.4R	46 17.428	-0.0067	18	-28 7 29.36	-0.048	18	0.34	17.540	16	33.4	28.56	16	33.4	F8 J	13B	8746	J -27 9430
84		9.1A	46 18.702	0.0008	13	-20 37 7.24	-0.005	11	0.26	18.690	16	33.4	7.17	16	33.4	F8 J	13A	5837	A -20 3893
85		8.5R	46 19.786	-0.0007	12	-27 0 23.26	-0.031	12	0.25	19.797	16	33.4	22.75	16	33.4	K0 J	14	10106	E -26 9941
86		8.7R	46 24.817	0.0008	20	-29 6 42.44	-0.023	20	0.36	24.805	16	33.4	42.05	16	33.4	F8 J	13B	8747	J -2811269
87		9.1A	46 25.127	-0.0036	18	-20 35 0.81	-0.029	13	0.31	25.187	16	33.4	0.33	16	33.4	G0 J	13A	5838	A -20 3894
88		8.9R	46 30.101	-0.0012	12	-29 9 33.12	0.006	12	0.25	30.121	16	33.4	33.21	16	33.4	K0 J	13B	8748	J -2810270
89		8.0R	46 38.621	-0.0021	12	-26 6 3.00	-0.077	12	0.25	38.656	16	33.4	1.73	16	33.4	G0 J	14	10107	E -2510015
90		9.6R	46 39.548	-0.0031	18	-23 13 13.76	-0.035	18	0.34	39.599	16	33.4	13.18	16	33.4	F8 J	14	10108	E -2210134
91		9.0R	46 48.196	-0.0034	18	-27 22 50.52	-0.007	18	0.34	48.252	16	33.4	50.41	16	33.4	K0 J	13B	8751	J -27 9435
92		8.4R	46 51.445	0.0003	12	-29 11 50.43	0.021	12	0.25	51.440	16	33.4	50.77	16	33.4	F8 J	13B	8752	J -2810272
93		8.7R	46 58.029	-0.0036	20	-28 23 31.32	-0.013	20	0.36	58.089	16	33.4	31.11	16	33.4	A2 J	13B	8753	J -2810273
94		9.1R	47 0.366	0.0010	18	-24 40 45.31	0.008	18	0.34	0.350	16	33.4	45.44	16	33.4	G5 M	14	10110	E -2411106
95		8.3R	47 0.400	-0.0011	15	-25 6 18.77	0.023	15	0.30	0.418	16	33.4	19.15	16	33.4	M1 M	14	10109	E -2411105
96		7.7T	47 4.278	0.0014	14	-27 56 18.76	-0.036	12	0.71	4.209	18	99.8	16.87	18	97.6	A3	GC	18675	C -27 9439
97		7.8A	47 5.056	-0.1261	15	-21 51 23.12	-0.502	11	0.27	7.149	16	33.4	14.79	16	33.4	K5 J	13A	5841	A -21 3781
98		8.7R	47 9.149	-0.0176	18	-27 56 15.77	-0.068	18	0.34	9.441	16	33.4	14.64	16	33.4	G0 J	13B	8755	J -27 9440
99		6.1T	47 16.053	-0.0036	11	-28 49 59.25	-0.025	10	0.45	16.202	09	08.7	58.18	10	07.7	B9	GC	18681	C -2810277
00		8.2R	47 18.360	-0.0012	17	-29 14 18.88	0.017	17	0.32	18.381	16	33.4	19.16	16	33.4	K5 J	13B	8757	J -2810279

182000

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	σ'_μ ″.001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	CAT.	SOURCE STAR NUMBER	-20° 13H DM NUMBER
1		9.4R	13 47 20.266	0.0005	18	-22 49 6.75	-0.007	00	0.26	20.257	16	33.4	6.64	16	33.4	G5 M	14	10111	E -2210140
2		9.2R	47 26.202	-0.0020	17	-28 32 24.29	0.019	17	0.32	26.236	16	33.4	24.61	16	33.4	F5 J	14	13B 8758	J -2810280
3		9.0A	47 27.254	-0.0002	13	-21 1 12.11	-0.002	11	0.26	27.258	16	33.4	12.07	16	33.4	K2 J	13A	5843	A -20 3897
4		7.1T	47 29.422	-0.0002	07	-20 37 18.71	-0.011	07	0.45	29.432	17	86.2	18.08	17	89.8	K2	GC	18690	-20 3898
5		9.1R	47 31.742	0.0013	15	-25 45 5.51	-0.026	15	0.30	31.721	16	33.4	5.08	16	33.4	K0 J	14	10112	E -2510022
6		9.4R	47 32.802	-0.0019	15	-25 54 2.06	-0.010	15	0.30	32.834	16	33.4	1.90	16	33.4	F5 J	14	10113	E -2510023
7		9.1A	47 36.418	0.0004	17	-20 51 52.45	-0.005	13	0.30	36.412	16	33.4	52.37	16	33.4	K2 J	13A	5845	A -20 3899
8		8.7R	47 44.838	-0.0038	12	-25 49 6.04	-0.033	12	0.25	44.901	16	33.4	5.50	16	33.4	F5 J	14	10114	E -2510024
9		9.1R	47 44.944	0.0009	18	-24 42 12.20	-0.015	18	0.34	44.930	16	33.4	11.95	16	33.4	F8 M	14	10115	E -2411116
10		9.2R	47 50.885	-0.0001	18	-25 48 13.98	0.014	18	0.34	50.886	16	33.4	14.22	16	33.4	F5 J	14	10116	E -2510027
11		7.5T	47 52.513	0.0003	17	-29 37 38.60	-0.023	13	0.77	52.498	17	02.1	37.40	19	98.8	G5	GC	18697K	C*-2910623
12		8.9R	47 54.777	0.0002	18	-24 6 9.84	-0.012	18	0.34	54.774	16	33.4	10.04	16	33.4	K5 J	14	10117	E -2311324
13		8.5R	47 55.348	-0.0028	12	-28 3 47.41	-0.115	12	0.25	55.394	16	33.4	45.50	16	33.4	G0 J	13B	8764	J -27 9446
14		8.9A	47 57.208	-0.0013	17	-20 19 23.57	-0.015	13	0.30	57.230	16	33.4	23.32	16	33.4	K0 J	13A	5848	A -19 3755
15		7.2R	47 59.227	0.0008	18	-24 43 57.00	0.008	18	0.34	59.214	16	33.4	57.13	16	33.4	K2 J	14	10118	E -2411117
16		9.2R	48 1.050	0.0000	18	-23 11 36.01	-0.007	00	0.26	1.049	16	33.4	35.90	16	33.4	F8 J	14	10119	E -2210149
17		8.3R	48 4.757	-0.0020	15	-27 27 34.78	-0.010	15	0.30	4.791	16	33.4	34.62	16	33.4	K0 J	13B	8766	J -27 9447
18		8.6R	48 9.025	0.0009	15	-28 0 44.07	0.010	15	0.30	9.010	16	33.4	44.24	16	33.4	K5 J	13B	8767	J -27 9448
19		8.9A	48 9.503	-0.0032	17	-21 9 29.11	-0.019	13	0.30	9.556	16	33.4	28.81	16	33.4	A5 J	13A	5850	A -20 3900
20		7.4T	48 11.645	-0.0045	10	-20 44 14.47	-0.011	08	0.48	11.856	21	02.6	13.94	19	00.0	F0	GC	18706	-20 3901
21		9.0R	48 14.532	-0.0036	20	-23 40 18.61	-0.006	20	0.36	14.472	16	33.4	18.51	16	33.4	G5 J	14	10120	E -2311327
22		9.2R	48 16.248	-0.0015	18	-25 30 47.45	-0.014	18	0.34	16.272	16	33.4	47.22	16	33.4	K2 J	14	10121	E -2510032
23		9.0R	48 21.436	0.0000	17	-29 49 15.13	-0.004	17	0.32	21.435	16	33.4	15.06	16	33.4	K0 J	13B	8769	J -2910631
24		9.5R	48 21.936	-0.0015	18	-24 48 0.81	0.011	18	0.34	21.962	16	33.4	0.99	16	33.4	F8 M	14	10122	E -2411120
25		9.1A	48 33.183	-0.0018	15	-21 50 4.54	0.006	11	0.27	33.212	16	33.4	4.64	16	33.4	G5 J	13A	5852	A -21 3785
26		6.5T	48 34.778	-0.0419	11	-24 8 22.58	-0.305	10	0.58	37.058	15	95.6	5.42	15	93.8	G0	GC	18713	C*-2311329
27		8.5R	48 35.714	0.0024	15	-27 23 9.95	0.025	15	0.30	35.674	16	33.4	10.37	16	33.4	M0 M	13B	8770	J -27 9449
28		9.1R	48 36.814	0.0028	18	-25 15 44.65	-0.015	18	0.34	36.766	16	33.4	44.39	16	33.4	K2 J	14	10123	E -2411123
29		9.2R	48 53.278	0.0011	18	-25 4 44.76	0.006	18	0.34	53.260	16	33.4	44.85	16	33.4	F2 J	14	10125	E -2411124
30		8.5R	48 57.171	-0.0023	12	-28 4 2.64	0.005	15	0.27	57.208	16	33.4	2.72	16	33.4	K0 J	13B	8776	J -27 9455
31		9.2R	48 59.827	-0.0057	20	-28 59 42.45	-0.057	20	0.36	59.922	16	33.4	43.40	16	33.4	G0 J	13B	8777	J -2810290
32		8.6R	49 5.741	-0.0019	12	-25 45 26.32	-0.010	12	0.25	5.773	16	33.4	26.16	16	33.4	A5 J	14	10127	E -2510038
33		8.7R	49 14.091	-0.0013	18	-23 22 36.49	-0.025	18	0.34	14.068	16	33.4	36.11	16	33.4	K0 M	14	10128	E -2210156
34		9.4R	49 29.827	-0.0036	15	-26 32 28.52	-0.009	15	0.30	29.888	16	33.4	28.37	16	33.4	A0 J	14	10129	E -26 9961
35		9.2R	49 34.775	-0.0006	18	-25 41 3.55	-0.022	18	0.34	34.784	16	33.4	3.18	16	33.4	F8 M	14	10130	E -2311337
36		9.0A	49 36.048	0.0004	11	-21 31 42.88	-0.034	09	0.23	36.041	16	33.4	42.31	16	33.4	K0 J	13A	5854	A -21 3788
37		9.1R	49 38.566	0.0014	12	-27 36 8.82	0.061	12	0.25	38.542	16	33.4	9.84	16	33.4	K5 J	13B	8782	J -27 9459
38		8.9R	49 39.752	-0.0005	18	-24 26 29.07	0.013	18	0.34	39.760	16	33.4	29.28	16	33.4	F8 J	14	10131	E -2411131
39		9.4R	49 47.230	0.0006	20	-24 0 10.30	-0.070	20	0.36	47.220	16	33.4	9.13	16	33.4	G5 M	14	10132	E -2311338
40		8.9R	49 48.140	0.0000	17	-29 46 16.83	-0.014	17	0.32	48.139	16	33.4	16.59	16	33.4	F2 J	13B	8785	J -2910649
41		9.2R	49 48.951	-0.0019	12	-25 50 6.68	-0.026	12	0.25	48.982	16	33.4	6.25	16	33.4	K0 J	14	10133	E -2510042
42		9.1R	49 49.095	-0.0004	00	-27 35 29.70	0.099	21	0.29	49.089	16	33.4	31.35	16	33.4	G0 J	13B	8786	J -27 9462
43		9.0R	49 55.728	-0.0061	18	-22 47 27.18	-0.027	18	0.34	55.830	16	33.4	26.73	16	33.4	G0 J	14	10135	E -2210166
44		9.1R	49 56.447	-0.0006	12	-25 7 56.65	0.007	15	0.27	56.457	16	33.4	56.76	16	33.4	K2 J	14	10134	E -2411134
45		9.0R	50 6.934	0.0052	18	-27 49 17.05	-0.007	18	0.34	6.847	16	33.4	16.94	16	33.4	K2 J	13B	8788	J -27 9464
46		8.7R	50 8.213	-0.0022	20	-24 27 8.06	-0.002	20	0.36	8.249	16	33.4	8.02	16	33.4	G5 J	14	10136	E -2411135
47		9.1R	50 13.838	-0.0047	20	-29 55 25.20	0.078	20	0.36	13.915	16	33.4	26.49	16	33.4	G0 J	13B	8789	J -2910654
48		8.2R	50 19.467	0.0058	18	-23 16 0.98	-0.009	18	0.34	19.370	16	33.4	0.83	16	33.4	F8 J	14	10137	E -2210168
49		8.5R	50 40.103	0.0031	17	-28 46 1.27	0.004	17	0.32	40.051	16	33.4	1.33	16	33.4	G0 J	13B	8795	J -2810302
50		8.5R	50 40.294	-0.0006	18	-23 28 22.64	0.002	18	0.34	40.304	16	33.4	22.68	16	33.4	M3 M	14	10139	E -2311349
51		9.4R	13 50 46.320	-0.0055	12	-26 9 25.33	0.001	12	0.25	46.411	16	33.4	25.35	16	33.4	F5 J	14	10140	E -2510051
52		8.6R	50 52.338	0.0011	12	-27 54 24.00	0.010	12	0.25	52.319	16	33.4	24.17	16	33.4	F0 J	13B	8797	J -27 9470
53		7.6R	50 52.550	0.0003	12	-26 27 41.84	-0.039	12	0.25	52.545	16	33.4	41.20	16	33.4	K2 J	14	10141	E -26 9979
54		8.8R	50 56.020	-0.0008	15	-26 51 18.02	-0.028	15	0.30	56.034	16	33.4	17.56	16	33.4	A2 J	14	10142	E -26 9980
55		9.1R	50 58.633	-0.0033	18	-23 34 30.06	-0.070	18	0.34	58.688	16	33.4	28.89	16	33.4	F8 J	14	10143	E -2311354
56		7.9R	51 1.341	-0.0028	20	-29 45 54.65	-0.059	20	0.36	1.388	16	33.4	53.66	16	33.4	A2 J	13B	8801	J -2910668
57		8.6A	51 4.172	-0.0002	13	-20 58 22.93	-0.023	09	0.25	4.174	16	33.4	22.55	16	33.4	G0 J	13A	5861	A -20 3914
58		9.2R	51 8.192	-0.0083	12	-24 31 53.31	-0.076	12	0.25	8.331	16	33.4	52.04	16	33.4	K0 M	14	10144	E -2411147
59		8.0R	51 15.234	0.0005	18	-23 17 50.80	-0.014	18	0.34	15.225	16	33.4	50.57	16	33.4	K0 J	14	10145	E -2210174
60		8.9A	51 18.942	-0.0055	15	-21 59 11.81	-0.024	11	0.27	19.034	16	33.4	11.41	16	33.4	A2 J	13A	5864	A -21 3793
61		8.9A	51 22.509	0.0005	15	-21 40 23.72	-0.022	11	0.27	22.500	16	33.4	23.35	16	33.4	G5 J	13A	5865	A -21 3794
62		9.4R	51 24.641	-0.0016	21	-27 36 49.55	-0.026	21	0.38	24.667	16	33.4	49.12	16	33.4	K5 M	13B	8805	J -27 9477
63		9.2R	51 25.019	-0.0036	18	-22 23 46.13	-0.029	18	0.34	25.079	16	33.4	45.64	16	33.4	K0 M	14	10147	E -2210177
64		6.8T	51 25.056	-0.0037	10	-28 29 50.79	-0.013	07	0.51	25.256	15	96.5	50.05	15	93.1	K0	GC	18782	C -2810308
65		6.3T	51 26.382	-0.0129	05	-28 19 23.98	-0.073	05	0.25	26.985	10	03.4	20.37	10	00.6	K0	GC	18783	C -27 9478
66		9.3R	51 29.223	-0.0025	15	-23 38 57.36	-0.092	15	0.30	29.263	16	33.4	55.83	16	33.4	G5 J	14	10148	E -2311361
67		9.1R	51 32.076	0.0006	12	-28 53 43.65	0.032	12	0.25	32.069	16	33.4	44.18	16	33.4	G0 J	13B	8807	J -2810309
68		8.8A	51 39.733	-0.0024	18	-21 44 36.67	-0.007	13	0.31	39.773	16	33.4	36.55	16	33.4	K0 J	13A	5866	A -21 3799
69		8.5R	51 41.596	-0.0018	12	-25 32 32.21	-0.026	12	0.25	41.627	16	33.4	31.78	16	33.4	G0 J	14	10149	E -2510057
70		6.7T	51 44.902	0.0027	20	-21 59 56.27	-0.112	17	0.90	44.774	19	02.2	50.79	19	01.2	K0	GC	18791K	B*-21 3800
71		8.5R	51 59.205	-0.0007	12	-28 40 57.51	0.005	12	0.25	59.217	16	33.4	57.59	16	33.4	K5 J	13B	8808	J -2810314
72		8.3A	52 5.366	-0.0111	17	-21 15 43.10	0.019	13	0.30	5.551	16	33.4	43.4	16	33.4	F8 J	13A	5868	A -20 3915
73		9.4R	52 8.271	-0.0049	18	-24 52 12.23	-0.009	18	0.34	8.353	16	33.4	12.08	16	33.4	K0 M	14	10151	E -2411160
74		9.0R	52 12.215	-0.0189	13	-28 50 39.61	-0.095	13	0.27	12.529	16	33.4	38.02	16	33.4	K2 J	13B	8810	J -2810318
75		9.5R	52 18.090	-0.0003	18	-24 10 48.17	-0.014	18	0.34	18.094	16	33.4	47.93	16	33.4	G0 M	14	10152	E -2311365
76		9.1A	52 18.177	-0.0004	13	-20 58 56.41	-0.009	09	0.25	18.184	16	33.4	56.27	16	33.4	G5 J	13A	5870	A -20 3916
77		7.6R	52 23.075	-0.0027	18	-23 25 21.65	-0.050	18	0.34	23.119	16	33.4	20.82	16	33.4	G5 J	14	10153	E -2311366
78		9.6R	52 25.688	0.0027	18	-24 18 5.66	0.010	18	0.34	25.644	16	33.4	5.82	16	33.4	F8 M	14	10154	E -2311367
79		8.4R	52 27.726	-0.0010	18	-25 8 52.52	-0.018	18	0.34	27.742	16	33.4	52.21	16	33.4	F2 J	14	10155K	E -2411163
80		8.5R	52 28.624	0.0008	15	-24 57 23.34	-0.077	18	0.32	28.612	16	33.4	22.06	16	33.4	F5 J	14	10156	E -2411164
81		7.7R	52 29.935	-0.0042	15	-26 11 12.82	-0.077	15	0.30	30.005	16	33.4	11.55	16	33.4	M4 M	14	10157	E -2510071
82		9.0A	52 31.955	-0.0014	17	-20 5 46.99	-0.025	13	0.30	31.979	18	33.4	46.58	16	33.4	F8 J	12B	5873	A -19 3769
83		8.8A	52 38.719	-0.0004	15	-21 19 6.34	-0.012	11	0.27	38.727	16	33.4	6.15	16	33.4	K0 J	13A	5874	A -20 3919
84		8.9R	52 41.309	-0.0005	15	-26 26 11.92	-0.034	15	0.30	41.318	16	33.4	11.36	16	33.4	K0 J	14	10158	E -26 9999
85		9.1R	52 42.211	0.0015	18	-27 45 1.29	-0.017	18	0.34	42.186	16	33.4	1.00	16	33.4	F5 J	13B	8815	J -27 9489
86		9.0A	52 42.352	-0.0020	18	-22 2 11.27	-0.034	13	0.31	42.319	16	33.4	10.70	16	33.4	F5 J	13A	5876	A -21 3802
87		9.2R	52 44.831	-0.0008	18	-22 30 54.96	-0.006	18	0.34	44.845	16	33.4	54.86	16	33.4	F8 J	14	10159	E -2210184
88		9.2R	52 46.708	-0.0037	18	-25 5 24.84	0.007	18	0.34	46.769	16	33.4	24.95	16	33.4	K0 J	14	10160	E -2411166
89		8.4R	52 50.479	-0.0024	18	-24 26 9.02	0.018	18	0.34	50.438	16	33.4	9.32	16	33.4	F5 J	14	10161	E -2411167
90		9.0R	52 57.269	-0.0043	12	-22 48 20.48	-0.001	12	0.25	57.340	16	33.4	20.47	16	33.4	F8 J	14	10163	E -2210186
91		8.6R	52 57.957	-0.0022	18	-23 5 31.23	0.012	18	0.34	57.992	16	33.4	31.43	16	33.4	A2 J	14	10164	E -2210187
92		9.0R	52 59.332	-0.0023	15	-24 7 2.86	0.016	18	0.32	59.370	16	33.4	3.12	16	33.4	K0 M	14	10166	E -2311373
93		8.3R	52 59.995	-0.0012	12	-25 22 15.36	-0.014	12	0.25	0.015	16	33.4	15.12	16	33.4	K0 J	14	10165	E -2510077
94		8.9A	53 7.063	-0.0001	15	-20 0 20.54	-0.014	11	0.27	7.065	18	33.4	20.78	16	33.4	F5 J	12B	5880	A -19 3772
95		9.0A	53 7.726	0.0010	13	-22 7 48.21	-0.012	09	0.25	7.709	16	33.4	48.01	16	33.4	G5 J	13A	5879	A -21 3804
96		9.1R	53 8.081	-0.0023	18	-24 49 53.39	0.017	18	0.34	8.120	16	33.4	53.67	16	33.4	F0 J	14	10167	E -2411169
97		8.9R	53 9.326	-0.0033	20	-25 17 10.93	-0.031	20	0.36	9.380	16	33.4	10.41	16	33.4	F2 J	14	10168	E -2411170
98		8.0R	53 10.321	-0.0004	12	-29 38 27.96	0.016	12	0.25	10.327	16	33.4	28.22	16	33.4	K2 J	13B	8823	J -2910695
99		9.0R	53 10.933	-0.0011	15	-25 2 47.63	-0.010	15	0.30	10.950	16	33.4	47.46	16	33.4	K0 J	14	10169	E -2411172
00		9.4R	53 14.771	0.0007	18	-23 44 53.16	0.025	18	0.34	14.758	16	33.4	53.57	16	33.4	F5 M	14	10170	E -2311378

182100

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ s	σ_μ ,,.001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	-20° 13H DM NUMBER
1		8.6R	13 53 15.074	-0.0028	18	-27 26 2.56	-0.067	18	0.34	15.120	16	33.4	3.68	16	33.4	F8 J	13B	8824	J -27 9498
2		6.8T	53 40.715	-0.0017	10	-27 23 38.62	-0.006	10	0.57	40.620	17	95.0	38.27	17	93.2	G5	GC	18835	C -27 9551
3		8.8A	53 48.798	-0.0018	11	-22 16 28.07	-0.001	09	0.23	48.828	16	33.4	28.05	16	33.4	K0 J	13A	5882	A -21 3867
4		9.1A	54 1.088	0.0004	17	-20 31 36.66	-0.002	13	0.30	1.082	16	33.4	36.62	16	33.4	K0 J	13A	5883	A -20 3924
5		7.9T	54 2.423	-0.0063	11	-27 25 0.86	-0.059	09	0.57	2.748	18	98.1	-57.58	18	94.4	F5	GC	18846K	C -27 9503
6		9.1A	54 3.219	-0.0025	17	-20 36 33.65	0.006	13	0.30	3.261	16	33.4	33.76	16	33.4	A5 J	13A	5884	A -20 3925
7		8.8R	54 3.314	0.0011	18	-26 54 41.23	-0.024	18	0.34	3.295	16	33.4	40.83	16	33.4	M3 M	14	10171	E -2610002
8		9.3R	54 5.188	-0.0019	18	-24 57 39.04	-0.001	18	0.34	5.220	16	33.4	39.02	16	33.4	K2 M	14	10172	E -2411185
9		9.5R	54 6.485	-0.0050	18	-23 35 30.11	0.055	18	0.34	6.568	16	33.4	31.02	16	33.4	A5 M	14	10173	E -2311383
10		7.5R	54 11.875	-0.0004	18	-22 51 34.29	-0.009	18	0.34	11.881	16	33.4	34.14	16	33.4	B9 J	14	10174	E -2210202
11		8.3R	54 16.651	-0.0101	18	-27 16 44.97	-0.036	18	0.34	16.818	16	33.4	44.37	16	33.4	G5 J	13B	8831	J -2810064
12		7.5R	54 17.173	-0.0003	18	-24 10 12.68	-0.018	18	0.34	17.178	16	33.4	12.38	16	33.4	A0 J	14	10175	E -2311386
13		8.4R	54 18.961	-0.0024	17	-29 10 44.19	0.065	17	0.32	19.001	16	33.4	45.61	16	33.4	K2 J	13B	8832	J -2810337
14		9.0R	54 21.608	-0.0044	20	-29 32 8.40	-0.024	20	0.36	21.641	16	33.4	7.99	16	33.4	F8 J	13B	8833	J -2910707
15		9.4R	54 21.757	0.0005	18	-24 56 4.57	-0.006	18	0.34	21.750	16	33.4	4.47	16	33.4	F8 M	14	10176	E -2411187
16		9.1R	54 25.627	0.0015	18	-23 55 47.20	-0.006	00	0.26	25.602	16	33.4	47.10	16	33.4	K0 M	14	10177	E -2311390
17		7.2T	54 25.836	-0.0035	16	-28 23 29.69	-0.010	15	0.79	26.010	18	00.8	29.19	19	00.5	K2	GC	18853	C -2810338
18		8.9R	54 29.150	-0.0038	17	-29 2 57.65	-0.045	17	0.32	29.214	16	33.4	56.90	16	33.4	F2 J	13B	8835	J -2810339
19		9.1A	54 32.239	-0.0022	17	-21 24 20.85	-0.026	13	0.30	32.275	16	33.4	20.43	16	33.4	K0 J	13A	5887	A -20 3927
20		8.9R	54 33.594	-0.0009	18	-24 34 20.29	0.006	18	0.34	33.609	16	33.4	20.39	16	33.4	K0 J	14	10178	E -2411188
21		9.1R	54 34.547	-0.0030	20	-28 31 34.26	-0.082	20	0.36	34.596	16	33.4	32.90	16	33.4	K2 J	13B	8837	J -2810340
22		9.1A	54 39.251	-0.0021	13	-22 4 16.46	-0.022	09	0.23	39.286	16	33.4	16.09	16	33.4	A5 J	13A	5888	A -21 3809
23		6.3T	54 40.367	-0.0030	08	-22 46 45.67	0.002	08	0.33	40.486	10	10.1	45.76	12	09.3	K0	GC	18859	B#-22 3687
24		8.3R	54 58.413	0.0065	20	-28 49 3.62	-0.047	20	0.36	58.305	16	33.4	2.84	16	33.4	F2 J	13B	8841	J -2810342
25		8.7A	55 8.099	0.0106	17	-21 21 11.65	-0.087	13	0.30	7.922	16	33.4	10.22	16	33.4	F8 J	13A	5890	A -20 3929
26		6.5T	55 9.158	0.0011	12	-25 45 16.10	0.035	13	0.67	9.100	18	97.9	17.90	19	98.6	K0	GC	18871	C -2510089
27		8.6A	55 12.222	-0.0004	17	-20 24 7.72	0.007	13	0.30	12.229	16	33.4	7.84	16	33.4	F0 J	13A	5891	A -19 3782
28		7.2T	55 17.739	-0.0023	11	-29 30 2.53	-0.042	11	0.62	17.858	18	98.2	0.27	18	96.8	K0	GC	18875	C -2910716
29		9.1R	55 19.645	-0.0008	18	-23 8 35.86	-0.016	18	0.34	19.659	16	33.4	35.56	16	33.4	F8 J	14	10181	E -2210211
30		8.3R	55 24.825	-0.0014	20	-29 50 1.15	-0.034	20	0.36	24.847	16	33.4	0.58	16	33.4	A2 J	13B	8845	J -2910717
31		9.1R	55 28.819	0.0022	18	-23 56 30.20	-0.040	18	0.34	28.782	16	33.4	29.53	16	33.4	F5 M	14	10182	E -2311399
32		9.2A	55 36.476	-0.0024	13	-21 33 29.41	-0.033	09	0.25	36.515	16	33.4	28.86	16	33.4	F8 J	13A	5894	A -21 3810
33		9.6R	55 37.826	0.0031	18	-23 17 42.29	-0.038	18	0.34	37.773	16	33.4	41.66	16	33.4	F5 M	14	10183	E -2210213
34		5.2H	55 42.433	-0.0036	02	-24 43 44.18	-0.031	02	0.07	42.557	03	15.6	43.16	04	17.9	B8	F4	515	C -2411202
35		8.6R	55 49.364	-0.0029	15	-22 37 15.94	-0.029	15	0.30	49.412	16	33.4	15.46	16	33.4	K5 J	14	10185	E -2210219
36		8.3R	55 55.213	-0.0040	15	-26 25 40.10	0.041	15	0.30	55.280	16	33.4	40.78	16	33.4	K0 J	14	10186	E -2610022
37		8.4R	55 55.372	-0.0006	18	-23 0 8.12	-0.035	18	0.34	55.381	16	33.4	7.54	16	33.4	A0 J	14	10188	E -2210220
38		9.3R	55 57.776	-0.0001	21	-27 6 11.67	-0.037	21	0.38	57.777	16	33.4	11.06	16	33.4	F8 J	14	10187	E -2610023
39		7.9R	56 7.159	0.0121	21	-29 54 57.73	-0.091	21	0.38	6.958	16	33.4	56.22	16	33.4	F8 J	13B	8848	J -2910726
40		8.5R	56 7.945	-0.0019	20	-27 59 22.36	-0.039	20	0.36	7.976	16	33.4	21.71	16	33.4	K0 J	13B	8849	J -27 9521
41		9.0R	56 21.254	-0.0016	21	-28 22 44.40	-0.022	21	0.38	21.280	16	33.4	44.04	16	33.4	K2 J	13B	8850	J -2810353
42		9.2R	56 25.986	-0.0002	20	-29 52 32.02	-0.011	20	0.36	25.990	16	33.4	32.21	16	33.4	K5 M	13B	8851	J -2810355
43		8.6R	56 26.197	-0.0010	20	-27 30 30.81	0.007	20	0.36	26.213	16	33.4	30.93	16	33.4	F8 J	13B	8853	J -27 9526
44		8.5R	56 27.815	-0.0023	18	-24 0 12.61	0.014	18	0.34	27.853	16	33.4	12.84	16	33.4	K2 J	14	10190	E -2311410
45		9.0R	56 28.975	-0.0022	21	-29 28 56.34	0.003	21	0.38	29.012	16	33.4	56.38	16	33.4	F5 J	13B	8854	J -2910731
46		9.3A	56 36.112	-0.0009	17	-22 37 53.58	-0.004	13	0.30	36.127	16	33.4	53.52	16	33.4	F8 J	13A	5899	A -22 3700
47		9.4R	56 45.073	-0.0018	18	-23 16 32.98	-0.032	18	0.34	45.102	16	33.4	32.45	16	33.4	F8 M	14	10191	E -2210230
48		8.3R	56 46.950	-0.0001	12	-27 35 29.65	-0.016	12	0.25	46.952	16	33.4	29.39	16	33.4	K2 J	13B	8855	J -27 9530
49		9.1R	56 49.895	0.0019	18	-28 16 7.15	0.010	00	0.26	49.863	16	33.4	7.32	16	33.4	K0 J	13B	8856	J -27 9531
50		8.6R	56 58.476	0.0015	18	-24 21 39.79	0.013	18	0.34	58.451	16	33.4	40.00	16	33.4	K0 J	14	10192	E -2311414
51		8.6A	13 57 6.256	-0.0014	11	-22 6 9.72	-0.020	09	0.23	6.279	16	33.4	9.38	16	33.4	K0 J	13A	5901	A -21 3813
52		5.8H	57 11.725	-0.5147	02	-24 46 1.83	-0.096	02	0.08	12.188	04	18.6	-58.62	04	18.7	F0	F4	1361	C -2411215
53		9.2R	57 13.111	0.0014	21	-27 0 5.06	-0.005	21	0.38	13.069	16	33.4	4.98	16	33.4	K0 M	14	10193	E -2610041
54		8.9R	57 14.919	0.0006	18	-25 18 19.60	0.008	18	0.34	14.908	16	33.4	19.73	16	33.4	F0 J	14	10195	E -2411216
55		8.1R	57 15.128	-0.0007	18	-23 11 5.53	-0.010	18	0.34	15.139	16	33.4	5.37	16	33.4	K2 J	14	10196	E -2210232
56		9.7R	57 20.361	-0.0044	18	-25 2 25.51	-0.017	18	0.34	20.434	16	33.4	25.22	16	33.4	G5 M	14	10197	E -2411217
57		8.6A	57 24.130	0.0012	15	-20 10 30.89	0.025	11	0.27	24.110	18	33.4	31.30	16	33.4	K5 J	12B	5903	A -19 3789
58		9.1R	57 31.902	-0.0000	12	-29 1 10.83	0.010	12	0.25	31.902	16	33.4	11.00	16	33.4	F5 J	13B	8859	J -2810364
59		8.9R	57 34.535	0.0028	15	-25 18 40.45	-0.032	15	0.30	34.487	16	33.4	39.91	16	33.4	G5 J	14	10198	E -2411220
60		9.4R	57 43.971	0.0002	20	-23 45 36.73	0.014	20	0.36	43.967	16	33.4	36.96	16	33.4	A2 J	14	10199	E -2311421
61		6.6T	57 46.111	-0.0020	09	-26 1 21.49	-0.163	09	0.51	46.215	15	97.4	12.89	14	97.2	F8	GC	18926	C#-2510111
62		8.9R	57 55.027	-0.0015	12	-29 25 9.30	0.030	12	0.25	55.053	16	33.4	9.79	16	33.4	K0 J	13B	8860	J -2910749
63		9.5R	57 56.167	0.0009	18	-25 13 20.90	-0.043	18	0.34	56.151	16	33.4	20.18	16	33.4	F8 M	14	10201	E -2411223
64		8.7R	57 57.254	-0.0033	12	-29 11 58.36	-0.041	12	0.25	57.309	16	33.4	57.67	16	33.4	K2 J	13B	8861	J -2810369
65		8.5R	58 2.479	-0.0043	12	-28 51 23.99	-0.017	12	0.25	2.550	16	33.4	23.70	16	33.4	F8 J	13B	8863	J -2810371
66		9.1R	58 8.234	-0.0009	12	-27 49 27.75	-0.061	12	0.25	8.249	16	33.4	26.73	16	33.4	K0 J	13B	8865	J -27 9545
67		9.2R	58 20.780	-0.0050	18	-22 39 46.62	-0.021	18	0.34	20.863	16	33.4	46.27	16	33.4	G0 J	14	10203	E -2210242
68		8.7R	58 28.406	-0.0030	18	-23 6 35.21	-0.020	18	0.34	28.455	16	33.4	34.88	16	33.4	A3 J	14	10204	E -2210245
69		8.5R	58 33.303	-0.0030	18	-23 34 41.47	-0.004	18	0.34	33.353	16	33.4	41.40	16	33.4	A2 J	14	10205	E -2311433
70		8.9R	58 43.354	-0.0017	12	-26 41 27.78	0.011	12	0.25	43.382	16	33.4	27.96	16	33.4	A3 J	14	10206	E -2610056
71		8.7R	58 44.992	-0.0028	12	-29 9 36.97	0.021	12	0.25	45.036	16	33.4	37.31	16	33.4	A5 J	13B	8869	J -2810385
72		9.0R	58 55.759	-0.0041	18	-27 4 8.79	-0.047	18	0.34	55.827	16	33.4	8.01	16	33.4	F8 J	14	10207	E -2610057
73		9.3R	58 58.162	-0.0043	12	-29 14 2.76	0.015	12	0.25	58.233	16	33.4	3.00	16	33.4	K0 M	13B	8871	J -2810387
74		8.9R	58 58.323	-0.0053	12	-29 46 15.56	0.008	12	0.25	58.410	16	33.4	15.69	16	33.4	F2 J	13B	8870	J -2910759
75		9.1R	59 5.028	-0.0037	18	-23 26 36.05	0.017	18	0.34	5.089	16	33.4	37.14	16	33.4	G0 J	14	10208	E -2311438
76		8.9R	59 6.791	0.0013	15	-28 1 2.52	-0.055	15	0.30	6.769	16	33.4	1.60	16	33.4	K0 J	13B	8873	J -27 9553
77		7.9R	59 7.444	-0.0029	18	-23 8 5.46	-0.001	18	0.34	7.491	16	33.4	5.45	16	33.4	K5 J	14	10209	E -2210250
78		9.0A	59 7.726	-0.0015	11	-21 38 19.56	-0.021	09	0.23	7.751	16	33.4	19.21	16	33.4	A5 J	13A	5908	A -21 3817
79		9.1A	59 13.799	-0.0145	15	-20 53 27.40	-0.108	11	0.27	14.040	16	33.4	25.62	16	33.4	G5 J	13A	5909	A -20 3940
80		9.2R	59 27.995	0.0005	18	-24 4 14.84	0.041	18	0.34	27.986	16	33.4	15.51	16	33.4	F8 J	14	10211	E -2311442
81		8.6R	59 29.003	0.0012	18	-23 34 3.93	-0.012	18	0.34	28.983	16	33.4	3.73	16	33.4	F8 J	14	10212	E -2311444
82		5.7T	59 31.748	-0.0025	05	-27 11 21.45	-0.012	05	0.25	31.865	10	02.4	20.87	10	01.2	K0	GC	18954	C#-2610060
83		8.9R	59 32.236	-0.0002	15	-28 10 51.58	-0.022	15	0.30	32.240	16	33.4	51.22	16	33.4	A0 J	13B	8875	J -27 9556
84		8.3R	59 38.617	-0.0069	18	-24 25 22.15	-0.162	18	0.34	38.731	16	33.4	19.46	16	33.4	G5 J	14	10214	E -2411253
85		9.2A	59 44.142	0.0030	18	-20 39 9.32	-0.078	13	0.31	44.093	16	33.4	8.04	16	33.4	G0 J	13A	5910	A -20 3942
86		9.0R	59 44.966	-0.0006	15	-25 27 19.80	0.002	15	0.30	44.976	16	33.4	19.83	16	33.4	F5 J	14	10216	E -2311132
87		7.3T	59 47.783	-0.0011	10	-26 36 26.74	-0.015	11	0.58	47.840	18	96.9	25.92	18	95.3	G5	GC	18962	C -2610063
88		8.0A	59 53.104	-0.0030	17	-21 25 16.26	-0.005	13	0.30	53.154	16	33.4	16.19	16	33.4	K5 J	13A	5912	A -20 3943
89		9.2A	59 53.924	0.0011	18	-20 38 43.73	0.022	13	0.31	53.905	16	33.4	44.09	16	33.4	K0 J	13A	5913	A -20 3944
90		8.8R	59 54.155	-0.0015	12	-29 9 32.18	-0.009	12	0.25	54.181	16	33.4	32.02	16	33.4	F0 J	13B	8876	J -2810401
91		9.0A	14 0 3.546	-0.0010	11	-21 28 9.16	-0.043	09	0.23	3.562	16	33.4	8.45	16	33.4	G0 J	13A	5914	A -21 3819
92		9.0R	0 27.025	0.0012	13	-29 54 22.04	0.002	13	0.27	27.004	16	33.4	22.07	16	33.4	F8 J	13B	8878	J -2910773
93		8.8R	0 27.523	-0.0073	15	-22 25 51.79	0.009	15	0.30	27.645	16	33.4	51.94	16	33.4	G5 J	14	10218	E -2210259
94		9.2R	0 28.034	-0.0022	17	-29 24 17.42	-0.049	17	0.32	28.070	16	33.4	16.60	16	33.4	G5 J	13B	8879	J -2910775
95		7.6R	0 32.837	0.0012	18	-24 32 47.56	0.006	18	0.34	32.818	16	33.4	47.66	16	33.4	K0 J	14	10219	E -2411260
96		8.9R	0 36.961	-0.0011	17	-29 12 4.07	-0.017	17	0.32	36.980	16	33.4	3.79	16	33.4	F5 J	13B	8881	J -2810407
97		8.9R	0 37.527	-0.0048	17	-29 5 46.26	-0.012	17	0.32	37.607	16	33.4	46.05	16	33.4	F5 J	13B	8882	J -2810406
98		9.0R	0 39.087	-0.0021	18	-27 13 28.07	-0.006	18	0.34	39.123	16	33.4	27.97	16	33.4	K5 J	14	10220	E -2610071
99		8.8R	0 47.424	-0.0255	12	-26 46 7.17	-0.113	12	0.25	47.846	16	33.4	5.30	16	33.4	K0 J	14	10221	E -2610073
00		9.1A	0 48.024	-0.0001	11	-20 33 0.47	-0.015	09	0.23	48.026	16	33.4	0.23	16	33.4	K0 J	13A	5916	A -20 3947

182200

-20° 14H

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	CAT.	SOURCE STAR NUMBER	DM NUMBER
1		9.4R	14 0 49.725	0.0003	18	-23 2 13.16	0.003	18	0.34	49.720	16	33.4	13.21	16	33.4	K0 J	14	10222	E -2210262
2		9.0R	0 54.951	-0.0028	18	-24 23 0.05	-0.029	18	0.34	54.947	16	33.4	59.57	16	33.4	F8 J	14	10223	E -2411263
3		9.1R	1 0.923	0.0023	12	-29 20 27.11	0.009	12	0.25	0.885	16	33.4	27.25	16	33.4	F8 J	13B	8883	J -2810411
4		6.2T	1 5.426	-0.0004	09	-22 10 56.33	-0.009	08	0.37	5.443	09	07.9	55.94	09	08.5	F2	GC	18946	-21 3824
5		9.2R	1 7.352	-0.0049	12	-28 39 52.45	-0.023	12	0.25	7.434	16	33.4	52.06	16	33.4	G5 J	13B	8884	J -2810414
6		9.0R	1 10.142	0.0000	18	-22 22 39.57	-0.024	18	0.34	10.142	16	33.4	39.17	16	33.4	G5 J	14	10225	E -2210266
7		9.2R	1 19.087	-0.0011	15	-27 37 17.45	-0.023	15	0.30	19.105	16	33.4	17.07	16	33.4	A2 J	13B	8885	J -27 9575
8		8.7R	1 19.388	-0.0012	18	-25 16 35.73	-0.041	18	0.34	19.407	16	33.4	35.04	16	33.4	G5 J	14	10226	E -2411268
9		8.7A	1 19.963	0.0034	15	-21 4 28.16	0.015	11	0.27	19.907	16	33.4	28.40	16	33.4	F8 J	13A	5919	A -20 3951
10		9.3R	1 21.810	0.0017	18	-28 13 28.15	-0.039	18	0.34	21.781	16	33.4	27.51	16	33.4	K0 J	13B	8886	J -27 9571
11		8.9R	1 22.855	-0.0010	12	-25 59 25.14	-0.019	12	0.25	22.872	16	33.4	24.83	16	33.4	K5 J	14	10227	E -2510142
12		8.2R	1 29.554	-0.0020	17	-28 21 36.86	0.028	17	0.32	29.587	16	33.4	37.33	16	33.4	F0 J	13B	8887	J -2810418
13		8.0R	1 30.515	-0.0019	12	-29 39 36.87	-0.012	12	0.25	30.547	16	33.4	36.66	16	33.4	M1 M	13B	8888	J -2910790
14		9.4R	1 30.986	-0.0020	18	-24 11 36.02	-0.044	18	0.34	31.019	16	33.4	35.29	16	33.4	F8 J	14	10228	E -2311461
15		7.5R	1 33.923	-0.0049	20	-28 49 23.74	0.017	20	0.36	34.005	16	33.4	24.02	16	33.4	G5 J	13B	8889	J -2810419
16		9.2R	1 33.974	-0.0011	18	-26 10 9.08	-0.051	18	0.34	33.992	16	33.4	8.24	16	33.4	F8 J	14	10229	E -2510143
17		8.7A	1 40.180	-0.0045	13	-21 31 38.39	-0.024	09	0.25	40.255	16	33.4	37.99	16	33.4	F5 J	13A	5921	A -21 3830
18		9.3R	1 47.278	-0.0002	15	-25 46 1.21	0.015	15	0.30	47.281	16	33.4	1.46	16	33.4	F0 M	14	10230	E -2510147
19		9.0R	1 53.385	-0.0077	20	-29 33 44.35	-0.089	20	0.36	53.512	16	33.4	42.87	16	33.4	K0 M	13B	8891	J -2910796
20		9.2R	1 53.975	-0.0011	20	-29 17 31.64	-0.003	20	0.36	53.994	16	33.4	31.59	16	33.4	G5 J	13B	8892	J -2810422
21		8.0R	1 58.405	-0.0023	17	-28 53 28.57	-0.041	17	0.32	58.443	16	33.4	27.88	16	33.4	K0 J	13B	8893	J -2810423
22		9.0R	2 1.204	-0.0013	17	-29 42 30.91	0.009	17	0.32	1.225	16	33.4	31.06	16	33.4	F5 J	13B	8894	J -2910799
23		8.1R	2 13.002	-0.0016	12	-28 16 40.32	0.027	12	0.25	13.029	16	33.4	40.77	16	33.4	F0 J	13B	8896	J -27 9586
24		8.9R	2 13.153	-0.0029	15	-24 35 38.14	-0.025	15	0.30	13.201	16	33.4	37.73	16	33.4	F5 J	14	10231	E -2411276
25		9.1R	2 17.058	-0.0009	20	-29 57 56.81	-0.022	20	0.36	17.072	16	33.4	56.44	16	33.4	F2 J	13B	8897	J -2910803
26		7.0R	2 17.924	-0.0035	18	-22 22 59.65	-0.013	18	0.34	17.982	16	33.4	59.43	16	33.4	K0 J	14	10232	E -2210279
27		9.0A	2 18.650	-0.0017	11	-21 20 34.64	-0.016	09	0.23	18.622	16	33.4	34.38	16	33.4	F8 J	13A	5923	A -20 3952
28		9.0A	2 23.709	-0.0023	15	-20 17 49.43	0.015	11	0.27	23.747	16	33.4	49.68	16	33.4	F8 J	13A	5924	A -19 3809
29		9.5R	2 23.896	-0.0018	18	-24 2 54.97	-0.063	18	0.34	23.925	16	33.4	53.92	16	33.4	K0 J	14	10233	E -2311471
30		8.9R	2 30.969	-0.0011	18	-25 47 13.94	-0.078	18	0.34	30.987	16	33.4	12.65	16	33.4	K2 J	14	10234	E -2510154
31		8.5R	2 36.118	-0.0022	12	-22 55 34.36	-0.040	12	0.25	36.154	16	33.4	33.70	16	33.4	K2 J	14	10235	E -2210282
32		9.2A	2 37.511	-0.0011	18	-21 39 55.32	-0.062	15	0.32	37.530	16	33.4	54.29	16	33.4	G5 J	13A	5926	A -21 3834
33		8.7R	2 48.533	-0.0000	18	-26 22 23.24	0.030	18	0.34	48.534	16	33.4	23.74	16	33.4	F0 J	14	10236	E -2610089
34		8.5R	2 48.837	-0.0025	20	-22 54 4.19	-0.072	20	0.36	48.878	16	33.4	3.00	16	33.4	K0 J	14	10237	E -2210285
35		9.3R	2 50.741	-0.0029	20	-25 36 35.58	0.003	20	0.36	50.790	16	33.4	35.53	16	33.4	F5 J	13B	8901	J -2810431
36		9.0R	2 54.418	-0.0062	17	-29 17 41.30	-0.007	17	0.32	54.520	16	33.4	41.18	16	33.4	F5 J	13B	8902	J -2810433
37		8.5R	3 8.343	-0.0002	20	-27 19 13.16	-0.025	20	0.36	8.347	16	33.4	12.75	16	33.4	F5 J	13B	8905	J -2610092
38		9.0R	3 12.196	-0.0034	18	-22 21 40.72	-0.067	18	0.34	12.253	16	33.4	39.60	16	33.4	G5 J	14	10239	E -2210288
39		8.5R	3 14.714	-0.0032	15	-22 29 15.29	-0.033	15	0.30	14.766	16	33.4	14.74	16	33.4	F0 J	14	10240	E -2210290
40		7.1R	3 21.664	0.0010	18	-24 30 8.62	-0.030	18	0.34	21.648	16	33.4	8.12	16	33.4	K5 J	14	10241	E -2411285
41		8.5R	3 26.522	-0.0013	18	-24 5 32.94	-0.007	18	0.34	26.544	16	33.4	32.82	16	33.4	K5 J	14	10243	E -2311478
42		7.6T	3 27.930	-0.0022	09	-26 20 27.75	-0.038	08	0.48	27.813	17	97.1	25.69	17	95.7	F0	GC	19027K	C*-2510160
43		8.7R	3 29.502	-0.0004	21	-29 6 26.67	-0.030	21	0.38	29.510	16	33.4	26.17	16	33.4	K0 J	13B	8907	J -2810437
44		3.5H	3 31.045	-0.0032	02	-26 26 32.51	-0.144	02	0.06	30.946	03	18.8	27.64	03	16.2	K0	F4	519	C -2610095
45		8.5R	3 33.827	-0.0027	18	-24 54 46.00	-0.011	18	0.34	33.872	16	33.4	45.81	16	33.4	A3 J	14	10245	E -2411287
46		8.7R	3 41.104	-0.0001	18	-23 27 18.71	-0.067	18	0.34	41.105	16	33.4	17.60	16	33.4	F0 J	14	10246	E -2311482
47		8.8R	3 42.521	-0.0037	20	-29 26 27.88	0.001	20	0.36	42.583	16	33.4	27.90	16	33.4	A3 J	13B	8908	J -2910820
48		9.3R	3 52.613	-0.0007	20	-29 15 30.75	0.028	20	0.36	52.626	16	33.4	31.16	16	33.4	K0 M	13B	8910	J -2810440
49		9.2R	3 58.268	-0.0002	15	-27 28 28.92	0.032	15	0.30	58.266	16	33.4	29.45	16	33.4	K2 J	13B	8911	J -27 9604
50		9.0A	3 58.486	-0.0032	17	-20 15 46.34	-0.014	13	0.30	58.540	18	33.4	46.11	16	33.4	K5 J	12B	5931	A -19 3817
51		8.4R	14 4 3.792	-0.0043	20	-25 43 13.61	0.007	20	0.36	3.863	16	33.4	13.73	16	33.4	A5 J	14	10247	E -2510166
52		8.5R	4 7.195	-0.0003	20	-28 56 56.10	-0.036	20	0.36	7.201	16	33.4	55.49	16	33.4	K2 J	13B	8913	J -2810443
53		9.0R	4 9.010	-0.0014	20	-28 28 20.27	-0.030	20	0.36	9.033	16	33.4	19.77	16	33.4	G5 J	13B	8914	J -2810444
54		8.2R	4 10.235	-0.0030	18	-27 6 55.68	-0.005	18	0.34	10.184	16	33.4	55.60	16	33.4	K0 J	14	10248	E -2610103
55		8.7R	4 16.423	-0.0038	18	-22 52 38.89	0.010	18	0.34	16.486	16	33.4	39.06	16	33.4	G5 J	14	10249	E -2210295
56		8.9R	4 25.603	-0.0006	18	-24 18 25.97	-0.021	18	0.34	25.613	16	33.4	25.62	16	33.4	K2 J	14	10250	E -2311490
57		9.3R	4 28.881	0.0006	18	-29 40 32.07	-0.040	18	0.34	28.871	16	33.4	31.40	16	33.4		13B	8919	J -2910832
58		8.7R	4 31.342	-0.0022	18	-23 39 19.60	-0.019	18	0.34	31.378	16	33.4	19.28	16	33.4	A5 J	14	10251	E -2311493
59		9.2R	4 34.407	-0.0015	18	-26 44 38.87	-0.047	18	0.34	34.383	16	33.4	38.09	16	33.4	G5 J	14	10252	E -2610107
60		8.5R	4 34.714	-0.0007	18	-23 14 14.29	-0.041	18	0.34	34.726	16	33.4	13.61	16	33.4	A0 J	14	10253	E -2210299
61		8.4R	4 50.524	-0.0011	17	-28 47 19.72	0.006	17	0.32	50.543	16	33.4	19.82	16	33.4	M2 M	13B	8927	J -2810451
62		9.0A	4 50.809	-0.0005	17	-21 25 6.09	-0.019	13	0.30	50.817	16	33.4	5.77	16	33.4	K0 J	13A	5936	A -20 3961
63		9.5R	4 53.142	-0.0090	18	-23 26 47.56	-0.011	00	0.26	52.992	16	33.4	47.38	16	33.4	F8 M	14	10256	E -2311498
64		9.0R	4 53.198	-0.0065	18	-25 6 16.97	-0.009	18	0.34	53.305	16	33.4	16.81	16	33.4	K0 J	14	10255	E -2411301
65		8.8R	4 53.661	-0.0012	15	-26 44 28.25	-0.031	15	0.30	53.681	16	33.4	27.74	16	33.4	M1 M	14	10254	E -2610110
66		9.7R	4 59.909	0.0032	18	-23 3 36.56	0.008	18	0.34	59.855	16	33.4	36.70	16	33.4	G5 J	14	10257	E -2210302
67		8.5R	5 1.723	-0.0023	12	-27 53 59.35	-0.062	12	0.25	1.761	16	33.4	58.32	16	33.4	A5 J	13B	8929	J -27 9616
68		8.5R	5 3.466	-0.0056	15	-27 6 28.57	-0.007	15	0.30	3.559	16	33.4	28.45	16	33.4	F0 J	14	10258	E -2610113
69		8.0A	5 6.752	-0.0001	18	-20 57 29.00	-0.012	09	0.28	6.751	16	33.4	28.81	16	33.4	K0 J	13A	5938	A -20 3964
70		8.2R	5 6.976	0.0040	18	-24 48 28.98	-0.068	18	0.34	6.909	16	33.4	27.85	16	33.4	F5 J	14	10259	E -2411303
71		8.7R	5 6.977	-0.0058	18	-29 30 43.24	-0.109	18	0.34	7.074	16	33.4	41.42	16	33.4	G0 J	13B	8930	J -2910838
72		9.0R	5 10.506	0.0000	18	-25 12 22.42	-0.007	18	0.34	10.506	16	33.4	22.30	16	33.4	K0 J	14	10260	E -2411306
73		8.6A	5 13.319	-0.0019	13	-21 57 10.61	-0.029	09	0.25	13.350	16	33.4	10.12	16	33.4	K0 J	13A	5939	A -21 3845
74		9.4R	5 20.520	0.0009	18	-24 19 37.76	0.006	18	0.34	20.505	16	33.4	37.86	16	33.4	A0 J	14	10261	E -2311505
75		8.6R	5 21.096	0.0012	15	-27 49 58.30	-0.008	15	0.30	21.076	16	33.4	58.17	16	33.4	K0 J	13B	8932	J -27 9619
76		8.9R	5 28.344	-0.0021	18	-27 28 0.92	-0.039	18	0.34	28.379	16	33.4	0.28	16	33.4	K2 M	13B	8933	J -27 9621
77		8.5R	5 33.611	0.0003	15	-26 6 44.86	-0.018	15	0.30	33.606	16	33.4	44.57	16	33.4	F2 J	14	10262	E -2510180
78		9.1R	5 35.473	-0.0007	18	-23 41 20.50	-0.026	18	0.34	35.484	16	33.4	20.07	16	33.4	F8 J	14	10263	E -2311509
79		8.2T	5 42.168	0.0053	12	-26 24 57.98	-0.045	09	0.57	41.902	18	99.9	55.65	18	98.3	F5	GC	19078	C -2610119
80		9.0R	5 51.181	-0.0082	20	-28 41 1.90	0.004	20	0.36	51.317	16	33.4	1.96	16	33.4	F8 J	13B	8935	J -2810460
81		9.1A	5 51.925	-0.0028	17	-21 18 20.56	0.013	13	0.30	51.972	16	33.4	20.79	16	33.4	A7 J	13A	5942	A -20 3966
82		9.0R	5 56.661	-0.0021	15	-22 31 41.10	-0.039	15	0.30	56.696	16	33.4	40.46	16	33.4	K0 J	14	10265	E -2210309
83		8.6R	6 0.960	0.0001	18	-23 51 10.88	0.024	18	0.34	0.958	16	33.4	11.27	16	33.4	M1 M	14	10266	E -2311515
84		8.6R	6 4.752	-0.0175	15	-26 8 36.83	0.026	15	0.30	5.043	16	33.4	37.27	16	33.4	G0 J	14	10267	E -2510186
85		8.1R	6 6.193	-0.0006	18	-29 51 49.42	0.013	18	0.34	6.203	16	33.4	49.63	16	33.4	F0 J	13B	8937	J -2910848
86		8.7R	6 7.677	-0.0016	20	-29 18 12.68	0.001	20	0.36	7.703	16	33.4	12.70	16	33.4	F8 J	13B	8939	J -2811464
87		9.0R	6 9.109	-0.0029	18	-29 37 13.47	-0.009	18	0.34	9.156	16	33.4	13.31	16	33.4	F0 J	13B	8940	J -2910850
88		8.2R	6 11.184	-0.0019	12	-26 57 31.67	-0.049	12	0.25	11.215	16	33.4	30.86	16	33.4	G0 J	14	10268	E -2610123
89		8.8R	6 14.988	-0.0062	15	-26 57 25.32	0.031	15	0.30	15.091	16	33.4	25.84	16	33.4	G5 J	14	10269	E -2610125
90		8.5R	6 20.491	0.0050	20	-22 31 48.95	-0.093	20	0.36	20.407	16	33.4	47.41	16	33.4	F5 J	14	10270	E -2210313
91		9.1R	6 24.074	-0.0007	18	-24 55 15.38	0.024	18	0.34	24.086	16	33.4	15.78	16	33.4	K0 J	14	10271	E -2411317
92		8.3A	6 25.034	-0.0065	18	-22 18 7.44	0.020	13	0.31	25.142	16	33.4	8.60	16	33.4	F8 J	13A	5946	A -21 3848
93		9.0R	6 27.238	-0.0035	15	-26 6 6.49	-0.014	15	0.30	27.297	16	33.4	6.26	16	33.4	A2 J	14	10272	E -2510188
94		9.0R	6 33.489	-0.0009	18	-24 21 24.88	-0.001	18	0.34	33.504	16	33.4	24.86	16	33.4	K0 J	14	10273	E -2311520
95		8.7R	6 35.972	-0.0008	15	-24 48 43.58	-0.030	18	0.32	35.986	16	33.4	43.08	16	33.4	K0 J	14	10275	E -2411318
96		8.9A	6 50.038	-0.0035	15	-20 57 38.08	-0.012	11	0.27	50.097	16	33.4	37.89	16	33.4	F2 J	13A	5948	A -20 3970
97		8.5R	6 57.471	-0.0014	18	-27 8 42.01	-0.043	18	0.34	57.493	16	33.4	41.30	16	33.4	K0 J	14	10276	E -2610129
98		8.9R	6 58.013	-0.0026	17	-29 12 16.14	0.009	17	0.32	58.056	16	33.4	16.29	16	33.4	K5 J	13B	8945	J -2810473
99		8.6R	7 0.077	-0.0044	15	-26 0 35.07	-0.030	15	0.30	0.150	16	33.4	34.58	16	33.4	F5 J	14	10277	E -2510192
00		9.3R	7 13.589	-0.0017	18	-24 19 54.61	-0.019	18	0.34	13.617	16	33.4	54.29	16	33.4	A2 J	14	10278	E -2311526

182300 — EPOCH 1950 — ORIGINAL EPOCH — -20° 14H

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.		SOURCE CAT.	SOURCE STAR NUMBER	DM NUMBER
1		9.0R	14 7 18.677	-0.0019	18	-27 57 40.14	-0.047	18	0.34	18.709	16	33.4	39.36	16	33.4	G5	J	13B	8948	J -27 9646
2		7.0R	7 22.014	-0.0058	18	-25 9 54.08	-0.001	18	0.34	22.110	16	33.4	54.06	16	33.4	F5	J	14	10279	E -2411322
3		8.8R	7 26.165	-0.0046	12	-26 18 30.82	0.016	12	0.25	26.242	16	33.4	31.09	16	33.4	K2	J	14	10280	E -2510196
4		9.2R	7 27.340	-0.0036	18	-23 44 42.21	-0.016	18	0.34	27.399	16	33.4	41.94	16	33.4	F8	J	14	10281	E -2311535
5		7.0T	7 29.109	0.0012	12	-29 51 8.23	0.001	12	0.66	29.048	17	99.4	8.26	18	97.8	A2		GC	19114K	C -2910869
6		9.2R	7 29.387	-0.0012	18	-23 7 5.32	-0.034	18	0.34	29.406	16	33.4	4.76	16	33.4	K0	J	14	10282	E -2210327
7		8.1R	7 34.370	-0.0008	18	-26 38 45.57	-0.020	18	0.34	34.384	16	33.4	45.24	16	33.4	F5	J	14	10283	E -2610134
8		9.2R	7 34.891	-0.0028	18	-25 4 49.73	0.009	18	0.34	34.937	16	33.4	49.87	16	33.4	K5	J	14	10284	E -2411325
9		9.0R	7 35.431	-0.0038	17	-28 53 48.92	-0.085	17	0.32	35.494	16	33.4	47.50	16	33.4	K0	J	13B	8953	J -2810480
10		9.3R	7 42.783	0.0006	18	-27 45 27.73	-0.013	18	0.34	42.772	16	33.4	27.52	16	33.4	G0	J	13B	8956	J -27 9650
11		9.0R	7 48.116	0.0002	18	-29 25 18.94	0.021	18	0.34	48.113	16	33.4	19.28	16	33.4	K0	J	13B	8958	J -2910873
12		9.0R	7 49.165	-0.0003	20	-28 52 8.90	-0.066	20	0.36	49.304	16	33.4	7.79	16	33.4	K2	J	13B	8959	J -2810481
13		8.3R	7 49.634	-0.0028	15	-22 42 30.72	-0.055	15	0.30	49.681	16	33.4	29.81	16	33.4	K0	J	14	10285	E -2210334
14		9.1R	7 53.623	0.0009	15	-23 15 28.46	-0.040	18	0.32	53.807	16	33.4	27.80	16	33.4	G5	J	14	10286	E -2210336
15		9.6R	8 3.211	-0.0003	18	-23 44 28.21	-0.048	18	0.34	3.216	16	33.4	27.41	16	33.4	A0	J	14	10288	E -2311535
16		7.9R	8 4.089	-0.0024	21	-25 5 9.29	-0.037	21	0.38	4.129	16	33.4	8.67	16	33.4	K0	J	14	10287	E -2411328
17		7.3R	8 5.293	-0.0007	20	-28 7 0.57	-0.012	20	0.36	5.305	16	33.4	0.37	16	33.4	G5	J	13B	8963	J -27 9654
18		9.4R	8 21.960	-0.0035	18	-28 13 25.04	-0.037	18	0.34	22.018	16	33.4	24.43	16	33.4	G0	J	13B	8964	J -27 9657
19		7.5T	8 25.192	0.0004	13	-29 32 59.26	-0.030	12	0.70	25.171	19	98.2	57.62	18	96.2	K0		GC	19134K	C -2910879
20		8.0R	8 26.618	-0.0036	21	-23 24 25.05	-0.004	21	0.38	26.678	16	33.4	24.99	16	33.4	K0	J	14	10289	E -2311537
21		8.4R	8 26.927	-0.0024	18	-22 35 25.94	-0.021	18	0.34	26.966	16	33.4	25.59	16	33.4	A2	J	14	10291	E -2210342
22		9.2A	8 28.760	-0.0022	17	-21 51 45.81	0.016	13	0.30	28.797	16	33.4	46.07	16	33.4	A5	J	13A	5954	A -21 3857
23		7.7R	8 29.485	-0.0002	12	-26 6 33.24	0.015	12	0.25	29.488	16	33.4	33.49	16	33.4	K5	J	14	10290	E -2510209
24		8.7R	8 31.609	-0.0015	18	-24 41 41.49	0.013	18	0.34	31.634	16	33.4	41.71	16	33.4	K0	J	14	10292	E -2411332
25		9.6R	8 33.364	-0.0067	18	-22 52 24.00	-0.004	18	0.34	33.475	16	33.4	23.94	16	33.4	G5	J	14	10293	E -2210343
26		9.2R	8 36.753	-0.0068	12	-28 51 42.18	0.025	12	0.25	36.867	16	33.4	42.59	16	33.4	F8	J	13B	8969	J -2810489
27		9.4R	8 40.868	-0.0038	22	-28 39 1.06	-0.053	22	0.41	40.931	16	33.4	0.17	16	33.4			13B	8970	J -2810490
28		7.5R	8 42.514	-0.0026	20	-28 33 24.83	0.041	20	0.36	42.558	16	33.4	25.51	16	33.4	K2	J	13B	8971	J -2810491
29		9.0R	8 45.573	-0.0007	18	-23 38 7.58	-0.017	18	0.34	45.584	16	33.4	7.29	16	33.4	K0	J	14	10295	E -2311540
30		8.0R	8 45.587	-0.0005	18	-24 56 48.50	-0.009	18	0.34	45.595	16	33.4	48.35	16	33.4	K0	J	14	10294	E -2411334
31		9.1R	8 51.082	-0.0032	18	-24 5 17.10	0.005	18	0.34	51.135	16	33.4	17.18	16	33.4	K0	J	14	10297	E -2311542
32		8.7R	8 51.879	-0.0044	20	-25 30 42.39	0.015	20	0.36	51.952	16	33.4	42.65	16	33.4	K0	J	14	10296	E -2510211
33		9.1A	8 52.451	-0.0014	15	-22 12 10.12	-0.013	11	0.27	52.475	16	33.4	9.90	16	33.4	K5	J	13A	5956	A -21 3859
34		9.0R	8 55.338	-0.0079	18	-29 39 48.16	-0.019	18	0.34	55.468	16	33.4	47.84	16	33.4	G0	J	13B	8974	J -2910887
35		9.2R	8 58.028	0.0019	18	-29 52 49.02	-0.056	18	0.34	57.996	16	33.4	48.08	16	33.4	K0	M	13B	8975	J -2910888
36		8.7R	8 59.840	-0.0008	18	-27 34 47.38	-0.019	18	0.34	59.853	16	33.4	47.07	16	33.4	K5	J	13B	8977	J -27 9666
37		9.5R	9 0.284	0.0016	18	-24 9 1.72	-0.000	18	0.34	0.257	16	33.4	1.72	16	33.4	A5	J	14	10299	E -2311543
38		8.9R	9 0.418	-0.0003	20	-25 59 51.00	-0.022	20	0.36	0.424	16	33.4	50.64	16	33.4	F0	J	14	10298	E -2510212
39		9.3R	9 5.388	-0.0009	15	-22 40 52.87	-0.062	15	0.30	5.402	16	33.4	51.84	16	33.4	K0	J	14	10300	E -2210347
40		9.4R	9 15.213	0.0001	18	-29 29 37.71	-0.016	18	0.34	15.212	16	33.4	37.43	16	33.4	G5	J	13B	8980	J -2910894
41		8.1R	9 17.948	-0.0020	18	-23 28 0.98	0.018	18	0.34	17.982	16	33.4	1.28	16	33.4	G5	J	14	10301	E -2311547
42		9.7R	9 31.851	-0.0016	21	-27 21 20.91	0.065	21	0.38	31.879	16	33.4	21.99	16	33.4	A5	J	13B	8982	J -27 9673
43		6.5T	9 34.405	0.0008	11	-24 7 46.06	-0.033	10	0.61	34.363	17	96.7	44.25	17	95.7	K0		GC	19154	C -2311551
44		8.8R	9 45.053	0.0012	18	-27 11 54.65	-0.017	18	0.34	45.034	16	33.4	54.37	16	33.4	K0	J	14	10303	E -2611054
45		9.4R	9 47.298	-0.0003	18	-25 12 37.01	-0.006	18	0.34	47.302	16	33.4	36.90	16	33.4	F8	J	14	10304	E -2411339
46		9.4R	9 49.914	0.0020	18	-24 2 22.59	0.002	18	0.34	49.880	16	33.4	22.62	16	33.4	K5	J	14	10305	E -2311555
47		9.2R	9 52.082	-0.0007	18	-23 53 12.35	0.002	18	0.34	52.093	16	33.4	12.31	16	33.4	G5	J	14	10308	E -2311556
48		9.0R	9 53.041	-0.0027	12	-25 28 34.50	0.012	12	0.25	53.086	16	33.4	34.69	16	33.4	K2	J	14	10307	E -2510219
49		5.2T	9 53.730	-0.0009	04	-27 1 36.38	-0.038	04	0.18	53.769	07	05.1	34.65	07	04.5	K0		GC	19163	C*-2610158
50		7.5R	10 5.353	-0.0021	18	-25 16 12.56	0.020	18	0.34	5.388	16	33.4	12.89	16	33.4	G5	J	14	10309	E -2411343
51		9.0R	14 10 9.449	-0.0012	18	-25 21 10.34	-0.043	18	0.34	9.468	16	33.4	9.62	16	33.4	G5	J	14	10310	E -2411344
52		9.4R	10 9.931	-0.0043	15	-23 52 19.99	-0.029	18	0.32	10.002	16	33.4	19.50	16	33.4	K0	J	14	10311	E -2311558
53		9.1R	10 16.955	0.0019	18	-27 47 36.76	-0.027	18	0.34	16.924	16	33.4	36.32	16	33.4	F8	J	13B	8988	J -27 9680
54		6.3T	10 21.294	0.0007	05	-26 22 42.11	-0.018	05	0.26	21.259	10	01.6	41.22	10	00.6	K0		GC	19172	C*-2610163
55		9.3R	10 30.117	-0.0045	18	-25 15 29.23	-0.080	18	0.34	30.191	16	33.4	27.89	16	33.4	G5	M	14	10313	E -2411348
56		8.5A	10 54.765	0.0024	17	-22 14 11.90	-0.018	13	0.30	54.725	16	33.4	11.60	16	33.4	K5	J	13A	5960	A -21 3864
57		9.5R	10 59.688	0.0027	18	-23 0 44.41	-0.009	18	0.34	59.642	16	33.4	44.26	16	33.4	G0	J	14	10315	E -2210369
58		8.8R	11 1.320	-0.0004	18	-29 56 5.46	0.026	18	0.34	1.326	16	33.4	5.88	16	33.4	F2	J	13B	8993	J -2910913
59		9.1R	11 13.580	-0.0008	18	-23 35 49.63	-0.008	18	0.34	13.593	16	33.4	49.49	16	33.4	F8	J	14	10317	E -2311568
60		8.5R	11 25.210	-0.0016	18	-29 57 30.71	0.003	18	0.34	25.237	16	33.4	30.75	16	33.4	A2	J	13B	8994	J -2910922
61		8.4R	11 30.135	-0.0012	18	-22 53 57.95	-0.043	18	0.34	30.154	16	33.4	57.24	16	33.4	F0	J	14	10318	E -2210374
62		8.5R	11 36.496	-0.0031	12	-29 0 22.08	-0.003	12	0.25	36.548	16	33.4	22.02	16	33.4	F5	J	13B	8995	J -2810523
63		8.6R	11 36.897	-0.0019	20	-29 0 4.07	0.046	20	0.36	36.930	16	33.4	4.83	16	33.4	G	J	13B	8997	J -2810523
64		9.0R	11 43.383	-0.0027	18	-26 52 47.79	-0.045	18	0.34	43.428	16	33.4	47.04	16	33.4	F5	J	14	10319	E -2610178
65		9.5R	11 43.778	-0.0078	18	-23 22 43.83	-0.187	18	0.34	43.907	16	33.4	40.72	16	33.4	G5	J	14	10320	E -2311574
66		8.9R	11 46.980	-0.0020	15	-26 27 12.26	-0.040	15	0.30	47.013	16	33.4	11.60	16	33.4	K5	J	14	10321	E -2610179
67		8.2R	11 47.234	0.0011	12	-26 10 19.51	-0.032	12	0.25	47.216	16	33.4	18.98	16	33.4	F0	J	14	10322	E -2510235
68		7.5R	11 49.2000	-0.0098	15	-27 31 43.81	-0.012	15	0.30	49.363	16	33.4	43.61	16	33.4	F8	J	13B	9000	J -27 9693
69		9.1R	11 58.977	-0.0014	15	-25 46 54.52	-0.044	15	0.30	59.000	16	33.4	53.79	16	33.4	K0	J	14	10323	E -2510237
70		9.0R	12 3.135	0.0006	18	-23 9 50.25	0.018	18	0.34	3.124	16	33.4	50.55	16	33.4	A0	J	14	10324	E -2210379
71		7.4A	12 4.106	-0.0038	13	-20 49 55.98	0.002	09	0.25	4.170	16	33.4	56.01	16	33.4	K0	J	13A	5966	A -20 3989
72		9.2R	12 4.297	-0.0002	18	-22 42 59.13	-0.049	15	0.32	4.301	16	33.4	58.32	16	33.4	F8	J	14	10326	E -2210380
73		9.6R	12 5.566	-0.0014	18	-26 3 30.11	0.064	18	0.34	5.590	16	33.4	31.18	16	33.4	G0	M	14	10325	E -2510239
74		6.0T	12 7.134	-0.0023	04	-29 2 57.38	-0.019	05	0.25	7.248	09	00.8	56.43	10	00.6	A0		GC	19218	C -2810528
75		8.6R	12 10.333	-0.0039	17	-29 6 0.53	-0.041	17	0.32	10.397	16	33.4	-59.84	16	33.4	K0	J	13B	9004	J -2810530
76		8.9R	12 13.712	-0.0011	15	-24 49 16.69	0.004	20	0.33	13.731	16	33.4	16.75	16	33.4	K5	J	14	10328	E -2411367
77		8.5R	12 15.028	-0.0005	15	-26 59 52.46	-0.033	15	0.30	15.037	16	33.4	51.91	16	33.4	K5	J	14	10327	E -2610186
78		8.7R	12 18.052	-0.0018	15	-23 58 38.47	-0.006	15	0.30	18.081	16	33.4	38.37	16	33.4	K0	J	14	10330	E -2311582
79		9.3R	12 19.064	0.0020	18	-25 18 30.94	0.024	18	0.34	19.051	16	33.4	31.34	16	33.4	M0	M	14	10329	E -2411368
80		8.8R	12 19.809	0.0012	15	-25 12 45.95	-0.000	15	0.30	19.789	16	33.4	45.94	16	33.4	K0	J	14	10331	E -2411369
81		8.4A	12 20.225	0.0001	17	-22 19 55.03	-0.039	13	0.30	20.224	16	33.4	54.38	16	33.4	A0	J	13A	5969	A -21 3869
82		9.3R	12 36.408	0.0002	18	-24 38 8.07	0.006	18	0.34	36.405	16	33.4	8.17	16	33.4	G0	J	14	10332	E -2411372
83		9.5R	12 38.996	0.0006	18	-22 50 27.80	-0.029	18	0.34	38.986	16	33.4	27.32	16	33.4	F5	J	14	10333	E -2210382
84		8.6R	12 49.891	-0.0040	18	-28 18 39.67	-0.052	18	0.34	49.958	16	33.4	38.81	16	33.4	K0	J	13B	9008	J -27 9702
85		8.6R	12 51.713	-0.0017	18	-29 28 5.00	0.006	18	0.34	51.742	16	33.4	5.09	16	33.4	A0	J	13B	9009	J -2910938
86		8.6R	12 57.688	-0.0103	18	-27 6 59.47	-0.035	18	0.34	57.859	16	33.4	58.89	16	33.4	G5	J	14	10335	E -2611089
87		8.2R	13 0.670	-0.0042	18	-29 34 28.73	-0.020	18	0.34	0.739	16	33.4	28.39	16	33.4	F2	J	13B	9010	J -2910939
88		9.3R	13 6.199	-0.0009	18	-25 13 6.96	0.005	18	0.34	6.215	16	33.4	7.04	16	33.4	K2	J	14	10337	E -2411376
89		9.2R	13 15.291	0.0007	20	-28 41 6.55	0.056	20	0.36	15.279	16	33.4	7.47	16	33.4	G0	J	13B	9013	J -2810540
90		8.4R	13 16.519	-0.0008	15	-26 33 33.66	-0.057	15	0.30	16.532	16	33.4	32.71	16	33.4	K0	J	14	10338	E -2610192
91		8.5R	13 22.978	-0.0019	18	-25 8 3.03	0.012	18	0.34	23.009	16	33.4	3.22	16	33.4	A0	J	14	10339	E -2411384
92		8.8R	13 23.068	-0.0046	12	-25 22 28.44	0.005	12	0.25	23.145	16	33.4	28.52	16	33.4	F5	J	14	10340	E -2510251
93		8.7R	13 25.020	-0.0044	20	-28 43 16.36	-0.020	20	0.36	25.093	16	33.4	16.02	16	33.4	F8	J	13B	9015	J -2810541
94		8.7R	13 27.017	-0.0005	18	-27 37 10.39	-0.007	18	0.34	27.025	16	33.4	10.28	16	33.4	F8	J	13B	9016	J -27 9712
95		9.0R	13 31.311	-0.0014	20	-28 29 18.84	0.026	20	0.36	31.334	16	33.4	19.27	16	33.4	K2	J	13B	9017	J -2810542
96		9.4R	13 35.841	-0.0002	15	-24 18 57.56	-0.005	18	0.32	35.844	16	33.4	57.47	16	33.4	K2	M	14	10342	E -2311597
97		9.1R	13 43.132	0.0011	15	-23 47 16.16	-0.014	15	0.30	43.113	16	33.4	15.93	16	33.4	K2	J	14	10343	E -2311596
98		8.8R	13 46.441	-0.0012	18	-26 29 21.26	-0.008	18	0.34	46.460	16	33.4	19.80	16	33.4	G5	J	14	10344	E -2610197
99		8.4R	13 53.539	-0.0045	20	-29 44 26.20	-0.030	20	0.36	53.613	16	33.4	25.70	16	33.4	K0	J	13B	9023	J -2910953
00		9.2R	14 2.666	-0.0047	15	-25 1 49.11	-0.011	15	0.30	2.744	16	33.4	48.92	16	33.4	K0	J	14	10345	E -2411393

182400			EPOCH 1950									ORIGINAL EPOCH						SP.		SOURCE		-20° 14H
NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.			CAT.	STAR NUMBER	DM NUMBER
1		9.3R	14 14 8.139	0.0000	18	-25 0 48.24	-0.003	18	0.34	8.139	16	33.4	48.19	16	33.4	F5	J	14	10346	E -2411395
2		9.1A	14 11.138	-0.0028	17	-21 51 11.33	-0.000	13	0.30	11.184	16	33.4	11.32	16	33.4	K0	J	13A	5972	A -21 3876
3		9.8R	14 15.028	-0.0005	18	-25 15 2.79	-0.021	18	0.34	15.036	16	33.4	2.43	16	33.4	A7	M	14	10347	E -2411396
4		8.8A	14 16.806	-0.0037	17	-21 5 57.03	0.007	13	0.30	16.868	16	33.4	57.16	16	33.4	G0	J	13A	5973	A -20 3994
5		8.5R	14 18.603	-0.0071	18	-24 49 28.38	-0.014	18	0.34	18.721	16	33.4	28.14	16	33.4	F5	J	14	10348	E -2411398
6		8.6R	14 22.013	-0.0030	18	-27 37 22.56	-0.021	18	0.34	22.062	16	33.4	22.21	16	33.4	A0	J	13B	9025	J -27 9725
7		8.0A	14 24.116	-0.0040	15	-21 33 21.53	0.003	12	0.27	24.182	16	33.4	21.58	16	33.4	G5	J	13A	5975	A -21 3877
8		8.8R	14 24.793	0.0003	18	-22 37 54.42	-0.005	18	0.34	24.788	16	33.4	54.34	16	33.4	K2	J	14	10349	E -2210391
9		8.7A	14 31.414	-0.0049	17	-20 14 24.09	-0.023	13	0.30	31.496	18	33.4	23.71	16	33.4	G0	J	12B	5976	A -19 3844
10		9.5R	14 34.275	-0.0018	15	-24 13 12.79	0.007	18	0.32	34.304	16	33.4	12.90	16	33.4	K2	M	14	10350	E -2311609
11		9.1R	14 35.488	-0.0016	20	-29 7 53.70	0.032	20	0.36	35.515	16	33.4	54.23	16	33.4	K0	M	13B	9027	J -2810554
12		9.0R	14 39.272	0.0007	18	-29 41 53.91	-0.077	18	0.34	39.261	16	33.4	52.63	16	33.4	A3	J	13B	9028	J -2910959
13		9.0A	14 39.453	0.0001	17	-21 5 55.64	-0.116	12	0.29	39.453	16	33.4	53.73	16	33.4	G5	J	13A	5977	A -20 3995
14		7.3T	14 41.160	-0.0086	10	-26 43 39.77	0.012	08	0.51	41.615	17	96.9	40.46	15	92.9	F5		GC	19279	C -2610207
15		9.1R	14 42.915	0.0012	20	-28 51 58.54	0.011	20	0.36	42.895	16	33.4	58.72	16	33.4	G5	J	13B	9031	J -2810557
16		9.2R	14 43.602	0.0039	18	-29 56 9.77	0.001	18	0.34	43.537	16	33.4	9.78	16	33.4	G0	M	13B	9030	J -2910960
17		8.6R	14 44.185	-0.0024	18	-29 14 11.57	0.002	18	0.34	44.225	16	33.4	11.60	16	33.4	F0	J	13B	9032	J -2810558
18		8.5R	14 44.249	-0.0020	18	-25 4 14.16	-0.026	18	0.34	44.283	16	33.4	13.72	16	33.4	A2	J	14	10352	E -2411401
19		8.6A	14 50.105	-0.0010	17	-20 31 37.93	0.027	13	0.30	50.123	16	33.4	38.37	16	33.4	F5	J	13A	5980	A -20 3996
20		7.8R	14 50.365	-0.0018	18	-24 19 28.70	-0.019	18	0.34	50.394	16	33.4	28.38	16	33.4	K0	J	14	10353	E -2311613
21		0.4R	14 51.931	-0.0002	18	-24 33 52.58	0.040	18	0.34	51.935	16	33.4	53.24	16	33.4	K0	M	14	10354	E -2411402
22		7.3T	14 53.328	-0.0048	22	-21 35 55.37	-0.048	20	0.98	53.546	21	04.8	53.16	22	04.3	F0		GC	19283	-21 3879
23		9.1R	14 54.567	-0.0014	20	-28 49 13.01	0.056	20	0.36	54.591	16	33.4	13.93	16	33.4	F5	M	13B	9034	J -2810560
24		8.6R	14 57.884	-0.0014	17	-28 52 6.74	-0.026	17	0.32	57.908	16	33.4	6.30	16	33.4	K5	J	13B	9035	J -2810561
25		9.4R	15 0.587	-0.0006	18	-22 38 43.18	-0.027	18	0.34	0.597	16	33.4	42.73	16	33.4	F8	J	14	10355	E -2210396
26		8.6R	15 16.556	-0.0015	21	-27 27 16.26	-0.006	21	0.38	16.581	16	33.4	16.16	16	33.4	K0	J	13B	9036	J -27 9737
27		8.7R	15 19.097	-0.0014	18	-25 9 27.42	0.011	18	0.34	19.120	16	33.4	27.60	16	33.4	G5	J	14	10356	E -2411404
28		8.7R	15 24.915	-0.0013	18	-24 5 29.99	0.012	18	0.34	24.937	16	33.4	30.18	16	33.4	K0	J	14	10358	E -2311615
29		8.6R	15 30.055	0.0020	15	-25 58 48.23	-0.060	15	0.30	30.022	16	33.4	47.24	16	33.4	K0	J	14	10359	E -2510264
30		8.3R	15 44.103	-0.0065	12	-29 6 19.21	-0.020	12	0.25	44.210	16	33.4	18.87	16	33.4	F2	J	13B	9041	J -2810582
31		9.1R	16 3.488	0.0006	18	-24 4 40.84	0.017	18	0.34	3.477	16	33.4	41.12	16	33.4	F8	J	14	10362	E -2311623
32		9.0R	16 4.537	-0.0013	12	-26 13 43.69	-0.017	12	0.25	4.559	16	33.4	43.41	16	33.4	K0	J	14	10361	E -2510269
33		5.9T	16 10.199	-0.0274	07	-25 35 26.79	0.347	07	0.32	11.407	10	05.9	42.86	12	03.7	F5		GC	19303K	C*-2510271
34		8.4R	16 12.346	-0.0042	12	-26 36 29.56	-0.065	12	0.25	12.415	16	33.4	28.48	16	33.4	F8	J	14	10364	E -2610222
35		6.6T	16 14.212	-0.0010	15	-26 54 40.28	0.014	08	0.53	14.263	17	97.7	41.08	17	93.0	K2		GC	19306	C -2610223
36		8.7R	16 14.655	-0.0018	12	-28 48 44.72	-0.002	12	0.25	14.685	16	33.4	44.68	16	33.4	K2	J	13B	9045	J -2810588
37		7.8R	16 16.177	-0.0013	18	-22 43 25.92	-0.021	15	0.32	16.198	16	33.4	25.57	16	33.4	A0	J	14	10366	E -2210404
38		9.2R	16 21.135	-0.0002	18	-23 48 22.88	0.006	18	0.34	21.137	16	33.4	22.98	16	33.4	G0	J	14	10367	E -2311626
39		8.2R	16 22.170	0.0016	12	-28 49 33.14	0.022	12	0.25	22.143	16	33.4	33.50	16	33.4	A2	J	13B	9046	J -2810590
40		8.9R	16 24.175	-0.0003	18	-24 34 44.24	-0.020	18	0.34	24.181	16	33.4	43.91	16	33.4	F8	J	14	10368	E -2411413
41		9.0R	16 27.361	-0.0026	18	-24 37 10.62	0.026	18	0.34	27.404	16	33.4	11.05	16	33.4	F8	J	14	10369	E -2411414
42		8.5R	16 30.963	0.0035	15	-23 8 25.93	-0.041	18	0.32	30.904	16	33.4	25.26	16	33.4	K0	J	14	10370	E -2210407
43		8.5R	16 35.718	-0.0034	18	-24 54 44.65	0.017	18	0.34	35.775	16	33.4	44.93	16	33.4	K0	J	14	10371	E -2411416
44		8.6R	16 37.656	-0.0013	21	-24 1 55.13	-0.016	21	0.38	37.678	16	33.4	54.86	16	33.4	G5	J	14	10372	E -2311627
45		8.0A	17 0.462	-0.0038	13	-20 38 43.94	-0.029	09	0.25	0.524	16	33.4	43.45	16	33.4	F5	J	13A	5990	A -20 4003
46		9.0R	17 7.434	-0.0013	21	-23 55 6.30	-0.001	18	0.34	7.406	16	33.4	6.28	16	33.4	K5	J	14	10373	E -2311631
47		7.1T	17 14.583	-0.0010	12	-27 49 11.23	-0.018	12	0.66	14.639	18	96.3	10.25	18	95.6	A0		GC	19331	C -27 9764
48		9.3R	17 16.191	-0.0024	15	-26 42 58.12	0.001	15	0.30	16.231	16	33.4	58.14	16	33.4	M	M	14	10374	E -2610232
49		9.2R	17 19.855	0.0000	15	-27 21 24.52	-0.038	15	0.30	19.854	16	33.4	23.89	16	33.4	K0	J	13B	9053	J -27 9765
50		9.1A	17 27.960	-0.0016	13	-20 45 36.85	0.032	09	0.25	27.987	16	33.4	37.38	16	33.4	K0	J	13A	5991	A -20 4004
51		8.2R	14 17 28.771	0.0050	18	-29 48 25.57	-0.030	18	0.34	28.688	16	33.4	25.07	16	33.4	K0	J	13B	9055	J -2910993
52		9.4R	17 28.916	-0.0048	18	-24 55 55.92	0.108	18	0.34	28.996	16	33.4	57.71	16	33.4	F8	J	14	10375	E -2411428
53		7.5R	17 44.978	-0.0000	18	-24 16 40.52	0.017	18	0.34	44.978	16	33.4	40.80	16	33.4	K0	J	14	10377	E -2311638
54		8.4R	17 53.128	0.0006	18	-24 52 23.43	0.040	18	0.34	53.120	16	33.4	24.09	16	33.4	K2	J	14	10379	E -2411431
55		8.6R	18 3.688	-0.0005	18	-24 23 36.20	-0.006	18	0.34	3.695	16	33.4	36.10	16	33.4	K5	J	14	10382	E -2411433
56		9.0R	18 13.266	0.0015	18	-26 39 24.57	-0.070	18	0.34	13.242	16	33.4	23.41	16	33.4	K0	J	14	10383	E -2610239
57		9.2R	18 16.810	-0.0029	18	-24 37 44.03	0.005	18	0.34	16.858	16	33.4	44.11	16	33.4	F8	J	14	10384	E -2411435
58		8.5R	18 22.313	-0.0000	12	-29 12 27.76	0.014	12	0.25	22.314	16	33.4	28.01	16	33.4	G5	J	13B	9059	J -2810620
59		8.9R	18 37.923	-0.0008	15	-27 52 22.06	-0.019	15	0.30	37.936	16	33.4	21.75	16	33.4	A2	J	13B	9063	J -27 9781
60		9.4R	18 38.146	-0.0020	15	-25 45 26.14	0.023	15	0.30	38.179	16	33.4	26.52	16	33.4	G5	M	14	10385	E -2510290
61		8.9R	18 41.891	-0.0015	15	-22 36 15.00	-0.001	15	0.30	41.916	16	33.4	14.98	16	33.4	K0	J	14	10386	E -2210421
62		7.8R	18 45.657	0.0005	12	-28 31 22.89	-0.000	12	0.25	45.649	16	33.4	22.89	16	33.4	G5	J	13B	9064	J -2810623
63		7.5T	18 47.544	-0.0064	13	-27 5 38.60	-0.036	11	0.66	47.869	18	99.0	36.66	18	96.2	F0		GC	19354	C -2610242
64		9.0R	18 50.899	0.0022	18	-22 47 22.67	-0.093	18	0.34	50.863	16	33.4	21.13	16	33.4	F8	J	14	10388	E -2210423
65		9.3R	18 53.865	-0.0059	12	-25 25 29.43	0.003	12	0.25	53.963	16	33.4	29.47	16	33.4	G5	J	14	10389	E -2510291
66		8.8A	18 55.583	-0.0003	17	-21 22 17.13	-0.034	13	0.30	55.588	16	33.4	16.58	16	33.4	F0	J	13A	6000	A -20 4009
67		9.1A	19 1.490	-0.0008	18	-20 27 48.29	-0.017	13	0.31	1.504	16	33.4	48.01	16	33.4	F8	J	13A	6001	A -20 4010
68		6.9T	19 7.613	-0.0055	12	-28 4 51.31	-0.025	12	0.66	7.904	17	97.4	49.96	17	95.9	G5		GC	19363	C*-27 9786
69		9.1R	19 10.220	0.0012	18	-29 41 53.66	0.006	18	0.34	10.199	16	33.4	53.75	16	33.4	G5	M	13B	9066	J -2911012
70		9.2R	19 13.820	-0.0023	18	-27 3 53.92	-0.033	18	0.34	13.858	16	33.4	53.38	16	33.4	K0	J	14	10390	E -2610248
71		8.5R	19 37.821	-0.0032	18	-25 4 21.24	-0.027	18	0.34	37.873	16	33.4	20.79	16	33.4	K2	J	14	10391	E -2411441
72		9.0A	19 40.350	0.0017	15	-20 15 9.28	0.007	12	0.28	40.323	18	33.4	9.40	16	33.4	A2	J	12B	6004	A -19 3864
73		9.0R	19 40.952	0.0016	18	-22 42 10.06	-0.025	18	0.34	40.924	16	33.4	9.65	16	33.4	K0	J	14	10392	E -2210432
74		6.9T	19 46.600	-0.0011	20	-20 31 47.93	0.072	17	0.82	46.645	18	07.2	51.20	17	04.9	K0		GC	19373	-20 4013
75		8.1T	19 48.257	-0.0022	14	-26 33 34.38	0.006	12	0.70	48.366	18	00.2	34.69	18	97.7	K2		GC	19375	C -2610252
76		8.1R	19 49.183	-0.0018	18	-29 52 23.83	0.025	18	0.34	49.212	16	33.4	24.24	16	33.4	K0	J	13B	9073	J -2911023
77		9.0R	19 50.394	-0.0015	18	-22 50 42.79	0.014	18	0.34	50.418	16	33.4	43.03	16	33.4	K0	J	14	10394	E -2210434
78		9.1R	19 54.022	-0.0036	17	-29 14 28.71	0.024	17	0.32	54.083	16	33.4	29.10	16	33.4	F8	M	13B	9074	J -2810636
79		9.1R	19 54.915	-0.0051	18	-29 53 46.88	-0.000	18	0.34	54.999	16	33.4	46.87	16	33.4	G5	M	13B	9075	J -2911024
80		9.4R	19 57.009	0.0014	18	-24 13 44.16	-0.013	18	0.34	56.986	16	33.4	43.94	16	33.4	K0	M	14	10395	E -2311666
81		8.5R	20 2.093	-0.0110	18	-24 57 5.29	-0.114	18	0.34	2.277	16	33.4	3.39	16	33.4	G5	J	14	10396	E -2411444
82		9.3R	20 9.797	-0.0046	18	-24 40 16.08	-0.016	18	0.34	9.873	16	33.4	15.81	16	33.4	G5	J	14	10397	E -2411447
83		4.9T	20 12.508	-0.0145	04	-27 31 31.63	-0.116	04	0.20	13.193	07	02.9	25.83	09	00.0	K2		GC	19389	C*-27 9803
84		8.5R	20 16.112	0.0002	17	-28 48 47.61	-0.013	17	0.32	16.109	16	33.4	47.39	16	33.4	A5	J	13B	9080	J -2810637
85		9.2R	20 17.155	0.0015	18	-26 41 6.12	-0.053	18	0.34	17.129	16	33.4	5.24	16	33.4	G0	J	14	10398	E -2610259
86		8.7R	20 17.420	0.0051	12	-25 34 21.64	-0.027	12	0.25	17.336	16	33.4	21.20	16	33.4	K0	J	14	10399	E -2510304
87		9.0R	20 18.278	0.0003	20	-28 50 32.73	-0.062	20	0.36	18.274	16	33.4	31.70	16	33.4	K0	M	13B	9082	J -2810638
88		9.6R	20 27.477	-0.0032	15	-24 18 8.27	-0.110	18	0.32	27.529	16	33.4	6.44	16	33.4	G0	J	14	10400	E -2311671
89		7.7T	20 30.165	-0.0187	10	-27 35 31.89	-0.260	09	0.51	31.143	15	97.8	18.35	15	97.9	G0		GC	19394	C -27 9806
90		8.1R	20 30.530	-0.0000	15	-25 36 7.43	-0.021	15	0.30	30.531	16	33.4	7.09	16	33.4	F0	J	14	10401	E -2510305
91		8.6R	20 35.060	-0.0038	18	-29 35 20.31	-0.006	18	0.34	35.122	16	33.4	20.20	16	33.4	F8	J	13B	9084	J -2911031
92		8.6R	20 45.303	-0.0023	18	-27 7 17.72	-0.042	18	0.34	45.341	16	33.4	17.02	16	33.4	A5	J	14	10402	E -2610262
93		8.4R	20 49.637	0.0035	18	-26 8 26.57	-0.032	18	0.34	49.578	16	33.4	26.04	16	33.4	K0	J	14	10403	E -2510307
94		9.1A	20 50.855	-0.0012	18	-21 27 55.51	-0.019	13	0.31	50.876	16	33.4	55.19	16	33.4	G0	J	13A	6009	A -21 3890
95		9.0R	20 54.221	-0.0013	18	-28 6 33.59	-0.048	18	0.34	54.243	16	33.4	32.80	16	33.4	K5	J	13B	9086	J -27 9809
96		8.5R	20 56.781	-0.0005	18	-27 55 28.76	-0.031	18	0.34	56.789	16	33.4	28.25	16	33.4	M1	M	13B	9087	J -27 9810
97		9.0A	20 59.514	-0.0003	17	-20 46 31.70	-0.023	13	0.30	59.519	16	33.4	31.33	16	33.4	K5	J	13A	6010	A -20 4019
98		7.0T	20 59.726	0.0020	10	-29 26 58.88	0.001	09	0.57	59.617	17	95.1	58.93	17	91.4	A2		GC	19404	C -2911034
99		8.7R	21 2.046	-0.0022	18	-22 29 32.20	-0.029	18	0.34	2.083	16	33.4	31.72	16	33.4	K0	J	14	10404	E -2210443
00		9.1R	21 4.424	-0.0015	18	-23 7 5.79	0.016	18	0.34	4.449	16	33.4	6.06	16	33.4	K0	J	14	10405	E -2210446

182500

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	EPOCH 1950 μ s	EPOCH 1950 σ_μ ″.001	EPOCH 1950 δ_{1950} ° ′ ″	EPOCH 1950 μ' ″	EPOCH 1950 σ'_μ ″.001	EPOCH 1950 σ_{1950} ″	ORIGINAL EPOCH α_2 s	ORIGINAL EPOCH σ ″.01	ORIGINAL EPOCH ep.	ORIGINAL EPOCH δ_2 ″	ORIGINAL EPOCH σ' ″.01	ORIGINAL EPOCH ep.	SP.		SOURCE CAT.	SOURCE STAR NUMBER	DM NUMBER
1		8.1T	14 21 4.614	0.0005	13	-27 31 11.57	0.000	15	0.62	4.591	18	00.7	11.57	18	98.7	A0		GC	19405	C -27 9811
2		7.8A	21 8.143	-0.0005	17	-21 28 55.59	-0.007	13	0.30	8.152	16	33.4	55.49	16	33.4	M2	J	13A	6013	A -21 3891
3		9.3R	21 9.734	-0.0009	12	-24 15 47.98	-0.012	12	0.25	9.749	16	33.4	47.78	16	33.4	G5	J	14	10407	E -2311685
4		8.9R	21 11.829	-0.0040	15	-27 0 11.65	0.030	15	0.30	11.896	16	33.4	12.15	16	33.4	K5	J	14	10406	E -2610264
5		9.2R	21 14.355	-0.0056	18	-23 39 29.61	-0.054	18	0.34	14.447	16	33.4	28.71	16	33.4	F8	J	14	10408	E -2311686
6		9.5R	21 18.359	-0.0015	18	-26 7 39.81	0.023	18	0.34	18.384	16	33.4	40.19	16	33.4	F8	M	14	10409	E -2310311
7		9.3R	21 20.947	-0.0019	18	-29 53 59.28	-0.004	18	0.34	20.979	16	33.4	59.21	16	33.4	K2	J	13B	9093	J -2911036
8		8.4R	21 21.850	-0.0051	12	-23 43 24.09	-0.008	12	0.25	21.934	16	33.4	23.95	16	33.4	F8	J	14	10410	E -2311687
9		9.4R	21 24.510	-0.0043	18	-24 11 42.65	0.021	18	0.34	24.582	16	33.4	42.99	16	33.4	G0	J	14	10411	E -2311689
10		8.2R	21 29.270	0.0002	20	-26 31 57.38	-0.041	20	0.36	29.266	16	33.4	56.70	16	33.4	A0	J	14	10412	E -2610265
11		8.3R	21 30.680	-0.0011	20	-25 55 29.85	-0.031	20	0.36	30.699	16	33.4	29.34	16	33.4	F5	J	14	10413	E -2510313
12		9.0R	21 37.431	0.0011	18	-29 51 12.18	0.039	18	0.34	37.413	16	33.4	12.82	16	33.4	K5	J	13B	9095	J -2911043
13		8.7R	21 38.689	0.0018	18	-29 58 5.38	-0.035	18	0.34	38.659	16	33.4	4.79	16	33.4	K0	J	13B	9096	J -2911044
14		8.4T	21 40.864	-0.0018	13	-29 23 36.42	-0.036	12	0.68	40.957	21	99.1	34.50	19	96.8	A0		GC	19427	C -2911045
15		8.8R	21 45.465	0.0024	18	-25 5 31.17	-0.028	18	0.34	45.424	16	33.4	30.70	16	33.4	G0	J	14	10414	E -2411466
16		8.8R	21 54.092	-0.0066	17	-28 41 46.09	0.014	17	0.32	54.201	16	33.4	46.32	16	33.4	K0	J	13B	9099	J -2810661
17		5.4H	21 57.068	-0.0041	02	-24 34 49.49	-0.022	02	0.07	57.205	04	16.8	48.73	04	16.3	K0		F4	1376	C -2411469
18		9.3A	22 3.083	-0.0029	13	-22 17 27.66	-0.002	09	0.25	3.132	16	33.4	27.62	16	33.4	K0	J	13A	6018	A -21 3895
19		8.9R	22 8.378	-0.0039	18	-29 20 15.09	-0.050	18	0.34	8.443	16	33.4	14.26	16	33.4			13B	9102	J -2810664
20		9.4R	22 8.929	0.0015	18	-23 14 38.06	-0.052	18	0.34	8.904	16	33.4	37.20	16	33.4	G0	J	14	10416	E -2210452
21		8.1A	22 9.840	-0.0003	17	-20 38 55.66	-0.012	13	0.30	9.846	16	33.4	55.46	16	33.4	K5	J	13A	6021	A -20 4020
22		8.7R	22 11.122	-0.0014	18	-22 21 21.05	-0.084	18	0.34	11.146	16	33.4	19.65	16	33.4	G0	J	14	10417	E -2210454
23		8.7A	22 11.696	-0.0008	17	-20 19 55.47	0.008	12	0.29	11.709	16	33.4	55.61	16	33.4	K5	J	13A	6022	A -19 3876
24		7.5R	22 18.544	0.0007	20	-27 54 19.42	-0.012	20	0.36	18.532	16	33.4	19.22	16	33.4	K2	J	13B	9104	J -27 9827
25		9.0R	22 19.460	-0.0021	18	-27 37 9.80	-0.015	18	0.34	19.494	16	33.4	9.55	16	33.4	K5	J	13B	9105	J -27 9828
26		8.8R	22 30.034	0.0066	17	-28 50 41.17	0.015	17	0.32	29.925	16	33.4	41.41	16	33.4	K0	J	13B	9107	J -2810667
27		6.9T	22 32.129	0.0040	11	-28 45 8.97	-0.061	09	0.60	31.914	17	96.1	5.47	15	92.8	K0		GC	19444	C -2810668
28		8.0T	22 35.804	-0.0001	14	-24 21 22.97	-0.034	18	0.81	35.810	22	01.6	21.37	22	03.5	G0		GC	19447	C -2411475
29		8.9R	22 38.248	0.0006	20	-27 29 10.07	-0.044	20	0.36	38.238	16	33.4	9.34	16	33.4	G5	J	13B	9110	J -27 9831
30		8.7R	22 41.601	-0.0016	20	-27 33 16.30	0.048	20	0.36	41.627	16	33.4	17.10	16	33.4	G0	J	13B	9111	J -27 9833
31		9.5R	22 43.133	-0.0010	18	-25 2 57.55	-0.009	18	0.34	43.150	16	33.4	57.39	16	33.4	F5	M	14	10419	E -2411477
32		8.5R	22 45.817	-0.0024	20	-27 17 42.79	0.015	15	0.33	45.857	16	33.4	43.04	16	33.4	M2	M	13B	9113	J -2610277
33		8.5R	22 46.965	0.0016	18	-23 45 25.33	-0.018	18	0.34	46.938	16	33.4	25.03	16	33.4	F0	J	14	10420	E -2311698
34		8.1R	22 53.063	-0.0011	18	-26 30 32.88	-0.030	18	0.34	53.081	16	33.4	32.38	16	33.4	K0	J	14	10421	E -2610278
35		6.6T	22 54.160	-0.0014	05	-26 37 35.70	-0.065	05	0.23	54.213	09	11.1	33.01	09	08.6	G5		GC	19452	C*-2610280
36		7.7A	22 57.078	-0.0030	17	-21 12 22.16	-0.026	11	0.28	57.128	16	33.4	21.74	16	33.4	K0	J	13A	6025	A -20 4023
37		9.1R	23 3.267	-0.0016	15	-26 8 22.73	-0.001	15	0.30	3.293	16	33.4	22.72	16	33.4	F5	J	14	10423	E -2510332
38		9.5R	23 4.116	-0.0029	18	-27 33 0.60	-0.013	18	0.34	4.164	16	33.4	0.39	16	33.4	K5	J	13B	9116	J -27 9836
39		7.7A	23 6.436	-0.0072	13	-21 54 7.92	-0.006	09	0.25	6.555	16	33.4	7.82	16	33.4	F2	J	13A	6027	A -21 3898
40		8.2R	23 10.248	0.0008	18	-27 0 1.43	-0.061	18	0.34	10.235	16	33.4	0.42	16	33.4	K2	J	14	10424	E -2610284
41		9.6R	23 11.710	0.0015	18	-24 55 41.31	0.024	18	0.34	11.685	16	33.4	41.71	16	33.4	A5	M	14	10425	E -2411481
42		9.0R	23 15.524	0.0045	18	-23 48 40.47	-0.046	18	0.34	15.449	16	33.4	39.70	16	33.4	K2	J	14	10426	E -2311705
43		9.3R	23 25.717	0.0016	17	-28 52 7.31	-0.030	17	0.32	25.691	16	33.4	6.81	16	33.4	K0	M	13B	9119	J -2810678
44		8.7A	23 31.419	0.0054	17	-22 20 7.42	-0.018	13	0.30	31.329	16	33.4	7.12	16	33.4	G5	J	13A	6028	A -21 3899
45		8.5A	23 43.457	-0.0015	17	-20 47 33.33	0.005	13	0.30	43.482	16	33.4	33.43	16	33.4	A5	J	13A	6030	A -20 4025
46		8.1T	23 44.825	-0.0009	09	-26 37 58.02	-0.006	10	0.53	44.870	17	97.7	57.71	18	98.7	K2		GC	19474	C -2610290
47		9.4R	23 51.213	-0.0010	18	-23 53 15.04	0.006	18	0.34	51.230	16	33.4	15.14	16	33.4	G0	J	14	10429	E -2311714
48		9.3R	23 51.781	0.0079	20	-28 50 35.21	-0.104	20	0.36	51.649	16	33.4	33.48	16	33.4	F8	J	13B	9121	J -2810689
49		9.6R	23 53.051	0.0026	12	-25 20 20.42	-0.027	15	0.27	53.008	16	33.4	20.86	16	33.4	G5	J	14	10430	E -2411490
50		8.4R	23 57.358	-0.0014	20	-26 55 57.97	-0.005	20	0.36	57.382	16	33.4	57.89	16	33.4	F2	J	14	10431	E -2610294
51		9.2R	14 23 58.689	-0.0048	15	-26 11 33.32	-0.014	15	0.30	58.769	16	33.4	33.09	16	33.4	F5	J	14	10432	E -2510341
52		9.0R	23 59.046	0.0003	15	-25 34 48.81	-0.013	15	0.30	59.041	16	33.4	48.60	16	33.4	K0	J	14	10433	E -2510340
53		9.4R	24 1.592	0.0009	12	-25 26 27.67	0.008	12	0.25	1.577	16	33.4	27.80	16	33.4	G0	J	14	10434	E -2510342
54		8.0A	24 4.113	0.0010	11	-21 38 41.08	-0.034	09	0.23	4.096	16	33.4	40.51	16	33.4	K0	J	13A	6032	A -21 3901
55		8.9R	24 8.379	0.0015	18	-27 33 35.11	-0.048	18	0.34	8.353	16	33.4	34.32	16	33.4	A2	J	13B	9123	J -27 9845
56		8.9A	24 10.510	-0.0017	17	-22 1 9.51	-0.048	13	0.30	10.538	16	33.4	8.71	16	33.4	G0	J	13A	6033	A -21 3903
57		8.8R	24 11.045	-0.0004	12	-29 2 7.76	0.015	12	0.25	11.052	16	33.4	8.00	16	33.4	K5	J	13B	9124	J -2810696
58		9.0R	24 19.809	-0.0003	18	-26 21 50.07	-0.043	18	0.34	19.813	16	33.4	49.35	16	33.4	F0	J	14	10435	E -2610296
59		8.6R	24 25.740	0.0039	15	-27 41 47.65	-0.008	15	0.30	25.675	16	33.4	47.52	16	33.4	F8	J	13B	9125	J -27 9846
60		9.0R	24 37.649	-0.0062	20	-28 8 11.66	0.025	20	0.36	37.752	16	33.4	12.08	16	33.4	F8	J	13B	9127	J -27 9848
61		9.1R	24 42.221	0.0001	20	-27 12 1.80	-0.001	20	0.36	42.219	16	33.4	1.79	16	33.4	K2	J	14	10436	E -2610300
62		7.5A	24 43.769	-0.0029	17	-21 46 5.95	-0.008	00	0.25	43.816	16	33.4	5.81	16	33.4	K0	J	13A	6035	A -21 3906
63		9.0R	24 47.267	-0.0029	18	-25 39 54.28	-0.013	18	0.34	47.315	16	33.4	54.07	16	33.4	K5	J	14	10437	E -2510348
64		9.1R	24 48.521	0.0047	18	-29 45 33.74	-0.004	18	0.34	48.443	16	33.4	33.67	16	33.4	F0	J	13B	9130	J -2911078
65		8.4R	24 48.884	-0.0010	18	-24 37 59.37	0.017	18	0.34	48.902	16	33.4	59.65	16	33.4	K0	J	14	10438	E -2411499
66		8.9A	24 54.400	-0.0028	13	-20 41 28.14	-0.005	09	0.25	54.446	16	33.4	28.07	16	33.4	K2	J	13A	6037	A -20 4032
67		9.5R	25 0.076	-0.0023	18	-23 49 44.46	0.003	18	0.34	0.113	16	33.4	44.51	16	33.4	F2	J	14	10439	E -2311724
68		9.1R	25 1.048	0.0032	17	-28 58 34.78	-0.000	17	0.32	0.995	16	33.4	34.77	16	33.4	F2	J	13B	9131	J -2810709
69		8.4R	25 6.501	0.0004	18	-27 5 7.66	-0.039	18	0.34	6.503	16	33.4	7.01	16	33.4	A5	J	14	10440	E -2610303
70		5.0H	25 14.277	-0.0019	02	-29 16 4.77	-0.026	02	0.08	14.358	04	16.7	3.88	05	16.0	B8		F4	532	C -2810712
71		8.8R	25 24.821	0.0004	20	-28 33 21.35	-0.018	20	0.36	24.814	16	33.4	21.85	16	33.4	K5	J	13B	9135	J -2810715
72		8.6R	25 25.810	0.0004	18	-26 37 29.46	-0.040	18	0.34	25.804	16	33.4	28.80	16	33.4	F0	J	14	10441	E -2610306
73		8.0A	25 29.304	-0.0031	17	-20 20 27.85	-0.016	13	0.30	29.356	16	33.4	27.59	16	33.4	A0	J	13A	6040	A -19 3888
74		8.0R	25 32.948	-0.0046	18	-22 47 19.35	-0.046	18	0.34	33.024	16	33.4	18.59	16	33.4	F8	J	14	10443	E -2210481
75		9.5T	25 38.159	0.0029	18	-24 11 51.84	0.013	26	1.02	38.026	22	04.1	52.40	22	05.4	K5		GC	19506	C -2311731
76		8.1R	25 39.199	-0.0025	18	-22 45 5.05	-0.051	18	0.34	39.241	16	33.4	4.21	16	33.4	F8	J	14	10445	E -2210482
77		8.3R	25 39.618	-0.0028	20	-27 41 47.26	-0.006	20	0.36	39.664	16	33.4	47.16	16	33.4	K2	J	13B	9137	J -27 9857
78		8.5A	25 43.643	-0.0016	18	-21 46 15.61	-0.011	13	0.31	43.669	16	33.4	15.42	16	33.4	K2	J	13A	6044	A -21 3912
79		8.2A	25 45.581	-0.0041	17	-22 2 41.84	-0.009	13	0.30	45.649	16	33.4	41.69	16	33.4	A5	J	13A	6045	A -21 3913
80		9.1R	25 50.428	0.0011	15	-25 44 33.78	0.010	15	0.30	50.410	16	33.4	33.95	16	33.4	K0	J	14	10446	E -2510359
81		8.5R	25 53.677	-0.0006	18	-24 43 34.70	-0.016	18	0.34	53.687	16	33.4	34.43	16	33.4	K0	J	14	10447	E -2411506
82		9.4R	26 3.011	-0.0030	20	-24 59 6.70	-0.017	20	0.36	3.062	16	33.4	6.42	16	33.4	G0	J	14	10448	E -2411510
83		8.7R	26 3.676	0.0026	20	-29 7 41.86	-0.024	20	0.36	3.633	16	33.4	41.45	16	33.4	K2	J	13B	9139	J -2810723
84		8.6R	26 4.347	-0.0077	20	-25 28 28.01	0.025	20	0.36	4.175	16	33.4	28.42	16	33.4	G0	J	14	10449	E -2510362
85		8.6R	26 6.109	-0.0021	15	-25 7 16.21	0.005	15	0.30	6.144	16	33.4	16.29	16	33.4	K2	J	14	10450	E -2411512
86		8.8R	26 13.513	0.0111	18	-22 24 10.78	-0.159	18	0.34	13.329	16	33.4	8.14	16	33.4	F8	J	14	10451	E -2210485
87		7.0T	26 13.796	0.0013	09	-28 53 28.97	-0.005	10	0.41	13.741	09	06.6	28.75	10	07.4	F8		GC	19520	C -2810724
88		8.5R	26 16.187	-0.0008	18	-28 19 1.15	-0.007	18	0.34	16.200	16	33.4	1.04	16	33.4	K0	J	13B	9141	J -27 9862
89		9.4R	26 18.659	0.0028	18	-23 34 16.91	0.011	18	0.34	18.612	16	33.4	17.09	16	33.4	G5	J	14	10452	E -2311739
90		9.1R	26 21.553	0.0017	15	-23 32 4.36	-0.028	18	0.32	21.524	16	33.4	3.89	16	33.4	G0	J	14	10453	E -2311741
91		8.3R	26 33.122	-0.0007	18	-29 29 8.98	0.003	18	0.34	33.134	16	33.4	9.03	16	33.4	F5	J	13B	9142	J -2911098
92		8.9R	26 37.832	-0.0022	15	-23 12 1.89	-0.002	15	0.30	37.868	16	33.4	1.86	16	33.4	G0	J	14	10455	E -2210488
93		7.0T	26 37.994	0.0005	11	-25 47 27.68	-0.003	11	0.64	37.967	18	96.5	27.52	18	95.2	K2		GC	19530	C*-2510367
94		9.0R	26 38.190	0.0053	18	-27 52 42.80	-0.047	18	0.34	38.103	16	33.4	42.01	16	33.4	F8	J	13B	9143	J -27 9865
95		8.9R	26 47.249	-0.0010	15	-24 27 52.56	0.006	15	0.30	47.265	16	33.4	52.66	16	33.4	K0	J	14	10456	E -2411520
96		9.2R	26 48.489	-0.0003	18	-29 42 28.89	-0.002	18	0.34	48.494	16	33.4	28.85	16	33.4	K0	J	13B	9144	J -2911100
97		9.1R	26 53.914	0.0019	18	-23 35 19.27	-0.019	18	0.34	53.881	16	33.4	18.95	16	33.4	A2	J	14	10457	E -2311747
98		8.3R	26 54.564	-0.0013	20	-29 5 11.44	0.008	20	0.36	54.586	16	33.4	11.57	16	33.4	K0	J	13B	9145	J -2810734
99		7.7T	26 56.982	-0.0008	14	-25 19 13.02	-0.033	12	0.70	57.021	21	01.3	11.27	19	97.4	K0		GC	19535K	C -2411523
00		9.1T	26 58.397	0.0017	18	-23 50 2.34	-0.009	18	0.87	58.319	22	04.0	1.91	22	03.7	A2		GC	19537	C -2311748

-20°
14H

182600			EPOCH 1950								ORIGINAL EPOCH							SP.		SOURCE		-20° 14H
NUMBER	MAGNITUDES		α_{1950}	μ	σ_μ	δ_{1950}	μ'	σ'_μ	σ_{1950}		α_2	σ	ep.	δ_2	σ'	ep.			CAT.	STAR NUMBER	DM NUMBER
	m_{pg}	m_v	h m s	s	″.001	° ′ ″	″	″.001	″		s	″.01		″	″.01						
1		8.8A	14 26 59.522	-0.0010	17	-20 44 25.40	-0.021	13	0.30		59.539	16	33.4	25.05	16	33.4	F8	J	13A	6050	A -20 4037
2		8.8R	27 0.034	-0.0039	18	-24 37 38.81	-0.022	18	0.34		0.099	16	33.4	38.44	16	33.4	A2	J	14	10461	E -2411525
3		8.0R	27 2.425	-0.0041	18	-29 24 42.42	0.010	18	0.34		2.493	16	33.4	42.59	16	33.4	F0	J	13B	9146	J -2911104
4		9.0R	27 15.040	-0.0076	18	-28 18 5.85	-0.014	18	0.34		15.166	16	33.4	5.62	16	33.4	G5	J	13B	9147	J -27 9872
5		8.9A	27 29.101	-0.0021	15	-20 7 10.48	0.002	11	0.27		29.136	18	33.4	10.51	16	33.4	G5	J	12B	6052	A -19 3895
6		8.2R	27 30.996	0.0004	15	-27 47 21.26	-0.036	15	0.30		30.989	16	33.4	20.67	16	33.4	K0	J	13B	9150	J -27 9876
7		8.3A	27 34.881	0.0005	17	-21 16 33.76	0.054	13	0.30		34.873	16	33.4	34.67	16	33.4	M2	J	13A	6053	A -20 4039
8		7.8T	27 40.179	-0.0016	11	-29 5 19.52	-0.001	09	0.55		40.260	18	00.1	19.26	18	98.9	K2		GC	19551	C -2810740
9		9.2R	27 42.381	-0.0002	15	-22 43 44.34	0.017	18	0.32		42.385	16	33.4	44.63	16	33.4	F0	J	14	10463	E -2210499
10		8.6R	27 44.936	-0.0032	18	-26 15 42.99	-0.033	18	0.34		44.989	16	33.4	42.45	16	33.4	K2	J	14	10462	E -2510378
11		6.9T	27 50.062	-0.0018	22	-22 14 21.63	-0.001	22	1.05		50.146	10	03.8	21.57	12	03.5	B8		GC	19557	-21 3917
12		7.8T	27 50.549	-0.0025	12	-26 36 52.59	-0.029	12	0.66		50.676	18	98.5	51.07	18	97.5	A3		GC	19558	C -2610334
13		8.5R	27 57.251	0.0002	15	-26 49 57.07	-0.008	15	0.30		57.248	16	33.4	56.94	16	33.4	K2	J	14	10465	E -2610335
14		9.0R	27 58.414	-0.0066	18	-29 57 38.23	-0.030	18	0.34		58.523	16	33.4	37.73	16	33.4	F8	J	13B	9154	J -2911114
15		8.5R	27 58.811	-0.0009	20	-29 17 55.77	-0.070	20	0.36		58.826	16	33.4	54.60	16	33.4	F0	J	13B	9155	J -2810743
16		8.6R	27 59.788	-0.0037	12	-25 53 22.83	-0.010	12	0.25		59.849	16	33.4	22.67	16	33.4	K2	J	14	10466	E -2510381
17		8.3T	27 59.981	-0.0037	15	-24 22 6.35	-0.032	16	0.78	+	0.162	22	01.1	4.79	22	01.7	K2		GC	19561	C -2411532
18	7.71		28 1.653	-0.0012	26	-29 52 34.48	-0.028	22	1.11		1.706	22	05.2	33.18	22	04.3	M2		GC	19563X	C*-2911116
19		9.4A	28 1.896	-0.0004	15	-21 1 46.47	0.068	11	0.27		1.903	16	33.4	47.61	16	33.4	G5	J	13A	6056	A -20 4042
20		7.0A	28 2.788	0.0025	12	-20 29 48.06	-0.019	09	0.24		2.747	16	33.4	47.75	16	33.4	K0	J	13A	6058	A -20 4043
21		9.3R	28 3.006	0.0002	20	-28 29 17.48	0.070	20	0.36		3.003	16	33.4	18.64	16	33.4	K0	M	13B	9157	J -2810748
22		8.4R	28 3.521	-0.0040	18	-22 20 19.37	0.004	18	0.34		3.588	16	33.4	19.43	16	33.4	K5	J	14	10468	E -2210502
23		9.1R	28 6.164	-0.0029	18	-24 7 21.88	0.001	18	0.34		6.211	16	33.4	21.89	16	33.4	F8	J	14	10469	E -2311762
24		7.8T	28 7.945	-0.0022	10	-25 5 37.70	-0.019	09	0.57		8.067	17	94.8	36.57	15	91.4	A2		GC	19568	C*-2411533
25		9.3A	28 11.084	0.0004	17	-21 8 8.10	-0.043	13	0.30		11.077	16	33.4	7.40	16	33.4	K5	J	13A	6059	A -20 4044
26		9.3R	28 19.631	0.0009	18	-23 17 56.97	-0.022	18	0.34		19.615	16	33.4	56.61	16	33.4	K0	M	14	10471	E -2210503
27		9.4R	28 20.889	-0.0002	18	-24 3 56.79	-0.016	18	0.34		20.893	16	33.4	56.52	16	33.4	A2	J	14	10472	E -2311766
28		9.4R	28 25.694	-0.0048	18	-25 6 4.10	0.003	18	0.34		25.774	16	33.4	4.14	16	33.4	G0	M	14	10473K	E -2411535
29		9.0R	28 31.768	-0.0005	15	-22 51 43.44	0.011	15	0.30		31.776	16	33.4	43.62	16	33.4	A0	J	14	10474	E -2210504
30		8.7R	28 32.276	-0.0008	20	-29 8 48.97	0.018	20	0.36		32.290	16	33.4	49.26	16	33.4	F5	J	13B	9158	J -2810751
31		8.8R	28 35.768	0.0094	15	-26 22 18.55	-0.504	15	0.30		35.612	16	33.4	15.19	16	33.4	G5	J	14	10475	E -2610340
32		7.9R	28 37.686	-0.0023	20	-28 24 17.89	-0.005	20	0.36		37.724	16	33.4	17.81	16	33.4	F5	J	13B	9159	J -2810753
33		9.3R	28 45.245	-0.0022	15	-24 6 58.56	-0.010	18	0.32		45.281	16	33.4	58.39	16	33.4	K2	J	14	10476	E -2311769
34		9.1A	28 50.993	0.0010	17	-21 40 56.10	-0.003	13	0.30		50.976	16	33.4	56.05	16	33.4	K0	J	13A	6062	A -21 3919
35		7.9T	28 54.816	0.0011	11	-24 20 18.04	-0.015	12	0.64		54.758	21	97.1	17.26	21	99.0	K5		GC	19581	C -2411540
36		8.6R	29 6.329	-0.0029	17	-28 57 5.36	-0.041	17	0.32		6.377	16	33.4	4.68	16	33.4	G5	J	13B	9166	J -2810760
37		7.8T	29 10.497	-0.0095	11	-27 29 13.51	-0.071	11	0.62		10.999	15	97.0	9.57	17	94.5	A5		GC	19587	C -27 9889
38		8.5R	29 11.882	-0.0015	18	-27 49 0.86	-0.036	18	0.34		11.907	16	33.4	0.26	16	33.4	G5	J	13B	9169	J -27 9888
39		7.9A	29 12.801	0.0001	17	-20 43 37.63	0.005	13	0.30		12.800	16	33.4	37.71	16	33.4	K0	J	13A	6064	A -20 4047
40		8.6R	29 14.641	0.0019	17	-29 1 28.55	-0.012	17	0.32		14.609	16	33.4	28.35	16	33.4	K2	J	13B	9170	J -2810763
41		7.0T	29 16.337	0.0027	17	-23 13 34.02	-0.010	17	0.86		16.203	18	00.8	33.53	18	99.8	F0		GC	19591	-22 3803
42		7.5T	29 18.003	0.0004	12	-26 33 49.81	-0.050	12	0.67		17.981	18	98.8	47.22	19	98.1	K0		GC	19592	C -2610345
43		8.7R	29 18.028	-0.0011	21	-24 51 34.43	-0.038	21	0.38		18.047	16	33.4	33.80	16	33.4	G0	J	14	10480	E -2411545
44		8.5R	29 22.511	0.0040	15	-27 37 51.32	-0.038	15	0.30		22.444	16	33.4	50.69	16	33.4	F8	J	13B	9172	J -27 9890
45		8.8R	29 24.257	-0.0040	18	-23 48 47.35	-0.041	18	0.34		24.322	16	33.4	46.66	16	33.4	K0	J	14	10481	E -2311775
46		9.4R	29 30.893	-0.0011	18	-22 26 11.86	-0.004	18	0.34		30.912	16	33.4	11.79	16	33.4	B0	J	14	10482	E -2210510
47		8.4R	29 43.929	0.0009	12	-23 58 4.33	-0.014	15	0.27		43.914	16	33.4	4.10	16	33.4	G5	J	14	10483	E -2311777
48		8.8A	29 45.630	-0.0013	17	-20 59 12.55	-0.077	13	0.30		45.650	16	33.4	11.28	16	33.4	G5	J	13A	6066	A -20 4048
49		8.8R	29 47.809	0.0032	12	-29 5 59.78	0.012	12	0.25		47.757	16	33.4	59.97	16	33.4	F8	J	13B	9175	J -2810768
50		9.3R	29 58.496	0.0011	18	-23 42 0.61	-0.083	18	0.34		58.477	16	33.4	59.23	16	33.4	G5	J	14	10484	E -2311779
51		8.2T	14 30 0.422	0.0012	13	-24 12 20.11	-0.006	14	0.71		0.363	21	99.8	19.84	21	00.3	K0		GC	19603	C -2311780
52		8.6R	30 6.136	-0.0015	17	-29 11 48.81	0.050	17	0.32		6.162	16	33.4	49.64	16	33.4	K2	J	13B	9177	J -2810776
53		9.0R	30 6.608	-0.0017	15	-22 47 4.22	-0.012	18	0.32		6.636	16	33.4	4.42	16	33.4	F2	J	14	10486	E -2210518
54		7.2T	30 17.627	-0.0031	17	-23 47 57.92	-0.002	17	0.82		17.776	18	02.0	57.80	17	03.4	G5		GC	19612	C -2311783
55		8.8R	30 20.692	-0.0011	18	-29 21 22.59	-0.018	18	0.34		20.710	16	33.4	22.29	16	33.4	K0	J	13B	9183	J -2911144
56		9.0R	30 24.219	0.0094	15	-26 53 28.82	-0.196	15	0.30		24.062	16	33.4	25.57	16	33.4	G0	J	14	10488	E -2610357
57		9.0R	30 24.635	0.0003	20	-28 49 58.84	-0.009	20	0.36		24.630	16	33.4	58.69	16	33.4	F0	J	13B	9184	J -2810783
58		9.3R	30 43.143	-0.0021	15	-22 41 48.58	-0.025	15	0.30		43.179	16	33.4	48.17	16	33.4	F8	J	14	10490	E -2210520
59		9.3R	30 45.595	-0.0030	15	-23 40 7.92	-0.016	18	0.32		45.645	16	33.4	8.19	16	33.4	G5	J	14	10491	E -2311791
60		9.0R	30 47.227	-0.0020	18	-28 11 48.06	-0.038	18	0.34		47.260	16	33.4	47.43	16	33.4	K5	J	13B	9186	J -27 9905
61		8.9T	30 55.038	-0.0006	17	-24 7 35.84	0.033	20	0.90		55.063	18	01.0	37.42	21	02.7	K0		GC	19625	C -2311795
62		8.8A	30 56.762	-0.0013	11	-20 48 52.53	0.004	09	0.23		56.785	16	33.4	52.60	16	33.4	A2	J	13A	6071	A -20 4052
63		9.0R	30 59.472	0.0020	12	-29 7 35.45	0.016	12	0.25		59.438	16	33.4	35.71	16	33.4	A3	J	13B	9188	J -2810787
64		8.3R	31 3.397	0.0018	18	-29 27 6.64	0.012	18	0.34		3.366	16	33.4	6.84	16	33.4	F5	J	13B	9191	J -2911150
65		9.2A	31 5.004	-0.0049	15	-22 5 15.91	-0.045	11	0.27		5.085	16	33.4	15.17	16	33.4	G0	J	13A	6073	A -21 3927
66		8.9R	31 8.329	0.0003	18	-29 51 33.48	0.072	18	0.34		8.324	16	33.4	34.67	16	33.4	K5	J	13B	9193	J -2911152
67		9.5R	31 19.619	-0.0009	18	-27 53 33.14	-0.014	18	0.34		19.634	16	33.4	32.91	16	33.4	A2	J	13B	9195	J -27 9908
68		8.8R	31 32.602	-0.0008	15	-25 3 34.78	-0.005	15	0.30		32.615	16	33.4	34.70	16	33.4	A2	J	14	10493	E -2411564
69		7.2A	31 36.038	0.0002	13	-22 10 20.53	-0.033	09	0.25		36.034	16	33.4	19.99	16	33.4	G5	J	13A	6076	A -21 3929
70		9.2R	31 37.277	-0.0019	17	-28 55 47.52	-0.007	17	0.32		37.308	16	33.4	47.40	16	33.4	A3	J	13B	9197	J -2810798
71		8.5R	31 43.011	-0.0008	18	-25 55 30.44	-0.006	18	0.34		43.025	16	33.4	30.34	16	33.4	K5	J	14	10495	E -2510413
72		9.1R	31 44.115	-0.0016	18	-25 30 43.81	-0.035	18	0.34		44.143	16	33.4	43.23	16	33.4	F8	M	14	10496	E -2510414
73		9.1R	31 46.709	-0.0041	18	-25 11 27.31	-0.015	18	0.34		46.778	16	33.4	27.06	16	33.4	G5	J	14	10497	E -2411566
74		9.0R	31 56.273	-0.0019	18	-22 42 53.06	-0.014	18	0.34		56.304	16	33.4	52.82	16	33.4	K0	J	14	10498	E -2210531
75		8.6R	32 1.258	-0.0021	18	-25 50 13.64	0.008	18	0.34		1.292	16	33.4	13.77	16	33.4	K2	J	14	10499	E -2510417
76		6.5T	32 1.549	0.0011	03	-20 13 15.60	-0.002	03	0.16		1.496	05	02.9	15.49	06	01.3	A0		GC	19649	-19 3903
77		8.9R	32 5.901	-0.0016	18	-25 33 25.14	-0.013	18	0.34		5.926	16	33.4	24.92	16	33.4	F2	J	14	10500	E -2510419
78		9.2R	32 19.195	0.0002	20	-24 42 33.58	0.021	20	0.36		19.192	16	33.4	33.92	16	33.4	F0	J	14	10501	E -2411570
79		8.9R	32 38.021	-0.0026	18	-24 7 35.03	-0.058	18	0.34		38.064	16	33.4	34.07	16	33.4	K0	J	14	10502	E -2311812
80		8.0R	32 38.376	0.0021	18	-27 48 23.90	0.003	18	0.34		38.341	16	33.4	23.95	16	33.4	K5	J	13B	9200	J -27 9928
81		8.6R	32 42.723	-0.0011	15	-25 45 32.09	-0.007	15	0.30		42.741	16	33.4	31.97	16	33.4	K0	J	14	10504	E -2510425
82		9.4R	32 50.422	0.0016	18	-22 51 55.08	-0.008	18	0.34		50.395	16	33.4	54.95	16	33.4	K5	J	14	10505	E -2210543
83		8.5R	32 53.475	-0.0067	18	-29 17 50.26	0.010	18	0.34		53.586	16	33.4	50.42	16	33.4	F8	J	13B	9202	J -2810814
84		9.2R	33 0.293	-0.0026	18	-22 58 57.33	0.005	18	0.34		0.337	16	33.4	57.41	16	33.4	F0	J	14	10506	E -2210545
85		8.1T	33 11.564	0.0020	16	-24 22 1.26	-0.029	16	0.80		11.469	22	02.3	59.87	21	01.1	K0		GC	19673K	C -2411581
86		9.6R	33 12.354	-0.0014	17	-24 37 34.62	0.013	17	0.32		12.378	16	33.4	34.83	16	33.4	G0	M	14	10509	E -2411583
87		7.4A	33 17.140	-0.0029	11	-21 57 36.38	-0.004	09	0.23		17.187	16	33.4	36.32	16	33.4	F0	J	13A	6082	A -21 3933
88		8.6R	33 22.032	-0.0031	18	-29 58 49.89	-0.011	18	0.34		22.083	16	33.4	49.70	16	33.4	A2	J	13B	9206	J -2911183
89		9.4R	33 22.323	-0.0060	18	-24 54 15.02	0.003	18	0.34		22.422	16	33.4	15.06	16	33.4	F8	J	14	10510	E -2411586
90		8.9R	33 22.630	-0.0026	12	-24 10 24.85	0.021	12	0.25		22.672	16	33.4	25.20	16	33.4	G5	J	14	10511	E -2311820
91		9.2R	33 33.157	0.0001	15	-23 55 57.11	-0.019	15	0.30		33.155	16	33.4	56.78	16	33.4	G5	J	14	10512	E -2311822
92		8.0R	33 34.583	0.0007	18	-28 2 21.59	-0.037	18	0.34		34.572	16	33.4	20.97	16	33.4	K5	J	13B	9208	J -27 9936
93		9.2R	33 34.766	-0.0026	18	-22 31 0.36	0.007	18	0.34		34.809	16	33.4	0.47	16	33.4	A2	J	14	10513	E -2210549
94		8.7R	33 36.511	0.0020	20	-28 38 51.08	-0.066	20	0.36		36.478	16	33.4	49.98	16	33.4	A2	J	13B	9209	J -2810823
95		9.1R	33 38.411	0.0002	20	-28 58 16.66	0.006	20	0.36		38.408	16	33.4	16.76	16	33.4	K0	M	13B	9211	J -2810824
96		8.6R	33 43.083	-0.0036	18	-29 25 17.37	-0.089	18	0.34		43.142	16	33.4	15.89	16	33.4	K5	J	13B	9212	J -2911186
97		8.7R	33 44.210	-0.0064	18	-29 41 32.77	0.007	18	0.34		44.315	16	33.4	32.88	16	33.4	K2	J	13B	9213	J -2911187
98		8.9R	33 44.950	-0.0004	15	-26 21 41.98	-0.014	15	0.30		44.958	16	33.4	41.75	16	33.4	F0	J	14	10514	E -2610381
99		9.2R	33 49.171	0.0008	18	-23 8 44.17	-0.016	18	0.34		49.157	16	33.4	43.90	16	33.4	A0	J	14	10516	E -2210552
00		9.0T	33 50.035	0.0006	20	-24 15 29.64	-0.002	24	1.01		50.008	24	04.7	29.57	24	06.0	K2		GC	19686	C -2311826

182700

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.		SOURCE CAT.	SOURCE STAR NUMBER	-20° 14H DM NUMBER
1		7.7R	14 33 51.238	0.0039	17	-28 53 28.36	-0.322	17	0.32	51.174	16	33.4	23.01	16	33.4	G0	J	13B	9215	J -2810826
2		9.0R	33 55.834	-0.0007	18	-22 56 52.70	-0.017	18	0.34	55.847	16	33.4	52.42	16	33.4	G5	J	14	10518	E -2210555
3		7.8R	34 4.808	0.0022	12	-28 30 16.56	0.050	12	0.25	4.772	16	33.4	17.39	16	33.4	F2	J	13B	9217	J -2810832
4		9.0R	34 6.807	0.0007	18	-29 55 24.74	-0.066	18	0.34	6.795	16	33.4	23.64	16	33.4	A5	J	13B	921A	J -2911192
5		8.2R	34 8.172	0.0006	18	-23 49 20.60	0.020	18	0.34	8.161	16	33.4	20.93	16	33.4	F8	J	14	10519	E -2311829
6		8.9R	34 10.527	0.0014	18	-28 1 28.35	-0.017	18	0.34	10.503	16	33.4	28.07	16	33.4	A3	J	13B	9219	J -27 9940
7		8.0R	34 10.972	-0.0018	12	-25 35 2.23	-0.130	12	0.25	11.001	16	33.4	0.07	16	33.4	K0	J	14	10520	E -2510441
8		8.2A	34 12.022	-0.0033	15	-21 55 23.06	-0.010	11	0.27	12.077	16	33.4	22.90	16	33.4	F0	J	13A	6087	A -21 3935
9		7.6R	34 14.915	0.0036	18	-29 57 35.68	-0.050	18	0.34	14.855	16	33.4	34.85	16	33.4	K0	J	13B	9220	J -2911193
10		8.5R	34 19.055	-0.0012	15	-28 5 5.56	0.006	15	0.30	19.075	16	33.4	5.66	16	33.4	K5	J	13B	9221	J -27 9945
11		9.5R	34 23.568	-0.0004	18	-25 40 46.75	-0.002	18	0.34	23.576	16	33.4	46.72	16	33.4	G0	J	14	10521	E -2510443
12		8.0R	34 31.412	-0.0021	18	-29 27 58.33	-0.042	18	0.34	31.447	16	33.4	57.63	16	33.4	A5	J	13B	9223	J -2911195
13		8.9R	34 32.448	-0.0054	18	-29 28 5.88	-0.020	18	0.34	32.537	16	33.4	5.55	16	33.4	G	M	13B	9224	J -2911196
14		9.6R	34 35.956	0.0111	17	-29 9 1.50	-0.043	17	0.32	35.771	16	33.4	0.78	16	33.4	G5	J	13B	9226	J -2810840
15		8.6R	34 37.525	0.0002	18	-23 36 31.02	-0.038	18	0.34	37.522	16	33.4	30.40	16	33.4	K5	J	14	10522	E -2311635
16		8.8R	34 40.706	-0.0020	18	-22 45 46.33	0.014	18	0.34	40.739	16	33.4	46.56	16	33.4	K2	J	14	10523	E -2210562
17		9.4R	34 44.599	-0.0014	15	-26 29 11.54	-0.050	15	0.30	44.622	16	33.4	10.71	16	33.4	G0	J	14	10524	E -2610391
18		9.1A	34 54.684	-0.0016	17	-21 49 32.84	-0.010	13	0.30	54.710	16	33.4	32.68	16	33.4	F0	J	13A	6089	A -21 3937
19		9.5R	34 55.798	-0.0017	18	-25 34 42.77	-0.007	18	0.34	55.826	16	33.4	42.65	16	33.4	K2	M	14	10525	E -2510448
20		8.8A	34 59.760	-0.0002	15	-20 12 34.22	-0.006	12	0.28	59.764	18	33.4	34.13	16	33.4	F0	J	12B	6090	A -19 3916
21		9.4R	35 4.977	-0.0003	15	-27 27 7.16	0.004	15	0.30	4.982	16	33.4	7.22	16	33.4	F8	J	13B	9229	J -27 9948
22		7.7T	35 7.951	-0.0007	11	-22 56 52.88	0.008	08	0.53	7.986	17	99.5	53.36	17	97.5	K5		GC	19709	-22 3819
23		8.9R	35 16.947	0.0009	15	-26 17 42.60	-0.031	15	0.30	16.933	16	33.4	42.09	16	33.4	K0	J	14	10529	E -2510453
24		8.7A	35 17.607	-0.0018	17	-21 5 54.50	0.028	13	0.30	17.637	16	33.4	54.97	16	33.4	K0	J	13A	6092	A -21 3943
25		9.1R	35 32.306	-0.0002	18	-22 39 18.66	0.005	18	0.34	32.311	16	33.4	18.74	16	33.4	K0	M	14	10530	E -2210572
26		9.6R	35 44.867	-0.0024	18	-26 1 47.45	0.042	18	0.34	44.906	16	33.4	48.15	16	33.4	G5	M	14	10531	E -2510460
27		9.0R	35 47.914	-0.0019	18	-25 5 19.09	-0.015	18	0.34	47.945	16	33.4	18.84	16	33.4	G5	J	14	10532	E -2411603
28		8.9A	35 59.660	-0.0001	15	-22 19 31.19	-0.157	11	0.27	59.661	16	33.4	28.59	16	33.4	G5	J	13A	6093	A -21 3940
29		9.3R	36 3.193	-0.0041	15	-26 30 53.10	-0.030	15	0.30	3.260	16	33.4	52.60	16	33.4	F0	M	14	10533	E -2610405
30		9.0R	36 3.324	-0.0025	12	-28 30 27.49	0.036	12	0.25	3.366	16	33.4	28.08	16	33.4	F8	J	13B	9238	J -2810853
31		8.0A	36 3.647	-0.0017	15	-22 6 46.70	0.002	11	0.27	3.675	16	33.4	46.74	16	33.4	A2	J	13A	6096	A*-21 3941
32		7.5R	36 4.236	-0.0025	12	-23 5 46.63	0.018	15	0.27	4.278	16	33.4	46.93	16	33.4	G5	J	14	10534	E -2210579
33		9.1R	36 18.743	-0.0009	18	-24 51 24.10	0.021	18	0.34	18.758	16	33.4	24.45	16	33.4	A2	J	14	10536	E -2411604
34		9.0R	36 19.889	-0.0056	18	-22 48 53.57	-0.037	18	0.34	19.796	16	33.4	52.96	16	33.4	G0	J	14	10537	E -2210581
35		8.1T	36 28.403	0.0021	05	-24 48 47.93	-0.025	04	0.25	28.307	10	04.9	46.67	10	99.9	K0		GC	19738	C*-2411606
36		8.4A	36 28.564	-0.0039	15	-20 8 31.71	-0.012	12	0.28	28.629	18	33.4	31.51	16	33.4	K2	J	12B	6099	A -19 3923
37		9.4R	36 38.942	-0.0014	18	-24 38 6.26	0.016	18	0.34	38.964	16	33.4	6.53	16	33.4	K2	M	14	10539	E -2411608
38		9.6R	36 45.253	-0.0005	18	-26 27 5.41	-0.034	18	0.34	45.261	16	33.4	4.85	16	33.4			14	10540	E -2610413
39		7.0T	36 45.726	-0.0028	06	-26 30 30.61	-0.030	05	0.26	45.601	10	05.4	29.14	10	00.9	F5		GC	19744K	C -2610415
40		9.4R	36 46.147	0.0012	17	-24 33 54.70	-0.021	17	0.32	46.127	16	33.4	54.34	16	33.4	G5	J	14	10542	E -2411610
41		9.7R	36 46.278	-0.0049	17	-24 33 39.37	-0.003	17	0.32	46.359	16	33.4	39.31	16	33.4	G5	J	14	10543	E -2411610
42		8.3R	36 47.401	-0.0033	12	-28 28 14.46	0.030	12	0.25	47.458	16	33.4	14.96	16	33.4	A0	J	13B	9242	J -2810858
43		9.2R	36 51.811	0.0027	15	-26 28 58.42	-0.044	15	0.30	51.766	16	33.4	57.69	16	33.4	M	M	14	10544	E -2610417
44		9.0R	36 53.906	-0.0012	17	-28 25 40.98	0.007	17	0.32	53.926	16	33.4	41.09	16	33.4	F0	J	13B	9243	J -2810860
45		8.8A	37 0.987	-0.0004	11	-21 27 29.02	0.010	09	0.23	0.994	16	33.4	29.19	16	33.4	A0	J	13A	6102	A -21 3942
46		7.2T	37 3.378	0.0061	12	-26 55 7.45	-0.095	12	0.65	3.057	18	97.3	2.39	18	96.7	G5		GC	19749	C -2610419
47		9.3R	37 3.468	-0.0028	21	-27 41 48.58	0.015	21	0.38	3.516	16	33.4	48.83	16	33.4	A0	J	13B	9245	J -27 9965
48		9.3R	37 7.750	-0.0133	18	-27 46 50.55	-0.055	18	0.34	7.971	16	33.4	49.64	16	33.4	G5	J	13B	9246	J -27 9967
49		8.9T	37 9.684	-0.0022	18	-23 53 19.76	0.000	21	0.93	9.786	22	04.1	19.78	22	04.4	K0		GC	19751	C -2311652
50		8.6R	37 27.844	-0.0015	15	-27 55 33.19	-0.021	15	0.30	27.869	16	33.4	32.84	16	33.4	K0	J	13B	9249	J -27 9970
51		7.6T	14 37 27.918	-0.0074	13	-29 5 13.28	-0.035	12	0.68	28.298	18	98.3	11.38	18	96.1	F8		GC	19754	C*-2810870
52		6.9T	37 30.416	-0.0010	12	-26 2 29.03	0.011	12	0.67	30.469	18	98.8	29.60	19	98.2	A2		GC	19755K	C*-2510476
53		9.1R	37 32.447	-0.0031	12	-25 32 50.04	0.031	12	0.25	32.499	16	33.4	50.55	16	33.4	F0	J	14	10551	E -2510478
54		9.3A	37 34.488	-0.0029	17	-20 38 2.23	0.009	13	0.30	34.537	16	33.4	2.38	16	33.4	F0	J	13A	6107	A -20 4068
55		8.4R	37 35.293	-0.0007	12	-26 2 1.84	-0.022	12	0.25	35.305	16	33.4	1.47	16	33.4	A5	J	14	10552	E -2510479
56		9.0R	37 37.310	0.0014	18	-24 6 40.84	-0.071	18	0.34	37.286	16	33.4	39.67	16	33.4	G0	J	14	10553	E -2311656
57		9.3A	37 41.774	-0.0011	13	-22 11 13.42	0.005	09	0.25	41.792	16	33.4	13.51	16	33.4	F8	J	13A	6108	A -21 3943
58		8.8R	37 48.332	-0.0051	15	-26 30 58.71	0.042	15	0.30	48.417	16	33.4	59.40	16	33.4	F8	J	14	10554	E -2610427
59		7.2T	37 58.446	-0.0013	09	-23 50 37.47	-0.012	10	0.56	58.520	17	94.1	36.82	18	93.6	G5		GC	19759	C -2311658
60		7.4T	38 1.029	-0.0026	12	-26 12 55.19	-0.008	13	0.68	1.163	18	98.8	54.78	19	98.9	F8		GC	19761	C -2510482
61		9.3R	38 8.819	0.0028	18	-25 11 35.91	-0.071	18	0.34	8.773	16	33.4	34.73	16	33.4	G0	J	14	10558	E -2411619
62		9.5R	38 9.520	-0.0017	15	-24 33 11.62	-0.015	18	0.32	9.549	16	33.4	11.37	16	33.4	F2	J	14	10559	E -2411621
63		9.2R	38 10.609	0.0025	15	-24 41 51.66	-0.033	15	0.30	10.568	16	33.4	51.11	16	33.4	F8	J	14	10560	E -2411623
64		7.1T	38 15.269	-0.0028	09	-22 24 18.51	-0.024	08	0.43	15.405	10	01.8	17.29	12	00.3	A3		GC	19764	B*-21 3946
65		9.1R	38 16.332	-0.0038	18	-28 12 20.84	0.013	00	0.26	16.396	16	33.4	21.05	16	33.4	F8	J	13B	9252	J*-27 9980
66		9.4R	38 26.507	-0.0012	12	-23 46 21.13	-0.017	12	0.25	26.527	16	33.4	20.86	16	33.4	K2	M	14	10562	E -2311860
67		9.2R	38 30.460	-0.0038	15	-25 37 30.61	0.004	15	0.30	30.523	16	33.4	30.68	16	33.4	A5	J	14	10563	E -2510485
68		9.3R	38 36.479	0.0036	18	-24 31 3.42	-0.030	18	0.34	36.419	16	33.4	2.91	16	33.4	K5	J	14	10564	E -2411628
69		9.3R	38 42.948	-0.0030	15	-26 34 38.35	-0.004	15	0.30	42.998	16	33.4	38.28	16	33.4	F2	J	14	10565	E -2610439
70		9.2R	38 47.547	0.0004	12	-25 32 39.12	0.025	12	0.25	47.540	16	33.4	39.53	16	33.4	G5	J	14	10566	E -2510486
71		9.0R	38 47.637	0.0017	18	-23 2 9.71	0.012	18	0.34	47.609	16	33.4	9.91	16	33.4	K0	J	14	10567	E -2210601
72		7.2T	38 47.808	-0.0015	11	-29 29 3.77	-0.017	11	0.61	47.884	18	97.9	2.85	18	96.5	F0		GC	19778K	C*-2911245
73		8.5R	38 52.486	-0.0012	15	-25 38 7.48	-0.053	15	0.30	52.505	16	33.4	6.60	16	33.4	K2	J	14	10568	E -2510487
74		8.1T	38 57.318	0.0015	14	-29 8 43.20	-0.128	14	0.74	57.241	21	00.4	36.75	21	99.7	F8		GC	19783	C -2810881
75		7.3T	39 0.579	0.0012	18	-27 51 10.24	0.006	16	0.85	0.520	18	01.8	10.53	21	01.0	K0		GC	19785	C -27 9989
76		8.2T	39 2.829	-0.0012	18	-28 36 19.16	-0.010	15	0.83	2.883	22	03.0	18.66	21	00.6	A0		GC	19786	C -2810884
77		9.0R	39 3.550	-0.0003	20	-28 43 48.86	-0.043	20	0.36	3.556	16	33.4	48.14	16	33.4	M3	M	13B	9262	J -2810885
78		8.7R	39 8.976	0.0027	20	-28 41 52.04	-0.027	20	0.36	8.931	16	33.4	51.59	16	33.4	K0	J	13B	9263	J -2810887
79		8.5R	39 14.153	0.0006	20	-28 39 3.87	-0.036	20	0.36	14.143	16	33.4	3.27	16	33.4	B9	J	13B	9264	J -2810890
80		7.8T	39 29.439	-0.0025	13	-27 34 29.44	-0.036	13	0.69	29.564	21	99.4	27.63	19	99.9	K5		GC	19795	C -27 9991
81		9.0R	39 30.090	-0.0013	12	-26 22 5.76	-0.030	12	0.25	30.112	16	33.4	5.26	16	33.4	G5	J	14	10569	E -2610447
82		7.2R	39 31.031	-0.0029	18	-23 12 46.73	0.010	18	0.34	31.080	16	33.4	46.89	16	33.4	K0	J	14	10570	E -2210610
83		8.7R	39 33.637	-0.0002	15	-25 31 40.30	0.023	15	0.30	33.640	16	33.4	40.68	16	33.4	K2	J	14	10571	E -2510488
84		9.2R	39 34.715	-0.0023	18	-29 42 11.78	-0.016	18	0.34	34.753	16	33.4	11.50	16	33.4	K0	J	13B	9269	J -2911252
85		9.4R	39 35.879	-0.0000	18	-22 33 48.85	-0.050	18	0.34	35.880	16	33.4	48.02	16	33.4	G0	J	14	10572	E -2210611
86		8.6A	39 44.386	-0.0008	17	-20 58 53.39	0.003	13	0.30	44.399	16	33.4	53.44	16	33.4	F0	J	13A	6118	A -20 4074
87		7.9T	39 59.544	-0.0171	13	-24 16 43.78	-0.015	13	0.70	+ 0.410	19	99.4	43.05	19	99.8	G0		GC	19807	C -2311869
88		9.0A	40 2.509	-0.0001	15	-20 34 0.04	-0.012	11	0.27	2.511	16	33.4	59.85	16	33.4	G5	J	13A	6120	A -20 4075
89		8.8R	40 5.006	-0.0040	18	-25 18 23.56	-0.044	18	0.34	5.073	16	33.4	22.83	16	33.4	F5	J	14	10574	E -2411634
90		8.7R	40 8.985	-0.0008	17	-28 46 43.87	0.032	17	0.32	8.998	16	33.4	44.40	16	33.4	A2	J	13B	9273	J -2810895
91		9.3R	40 11.426	0.0006	18	-28 17 51.60	0.028	18	0.34	11.416	16	33.4	52.06	16	33.4	K2	M	13B	9274	J -2710001
92		9.3R	40 11.626	-0.0027	20	-28 34 9.33	-0.014	20	0.36	11.672	16	33.4	9.09	16	33.4	K0	M	13B	9275	J -2810896
93		8.3R	40 13.912	0.0014	18	-29 35 4.52	-0.015	18	0.34	13.889	16	33.4	4.26	16	33.4	A2	J	13B	9276	J -2911261
94		8.0T	40 16.345	-0.0056	12	-24 53 51.61	-0.025	09	0.57	16.623	18	00.2	50.31	18	98.6	F2		GC	19811	C -2411636
95		5.7T	40 19.767	-0.0014	04	-24 47 8.49	-0.005	04	0.20	19.832	09	02.8	8.24	09	02.0	B9		GC	19812	C*-2411637
96		8.5R	40 20.789	0.0035	20	-28 58 56.02	-0.033	20	0.36	20.731	16	33.4	55.47	16	33.4	K0	J	13B	9277	J -2810899
97		9.1R	40 24.612	-0.0003	15	-26 28 34.73	0.000	15	0.30	24.616	16	33.4	34.73	16	33.4	G5	J	14	10577	E -2610457
98		9.2R	40 25.526	0.0014	15	-27 8 36.01	-0.018	15	0.30	25.503	16	33.4	35.70	16	33.4	G5	J	14	10578	E -2610458
99		7.8T	40 28.756	-0.0035	14	-29 59 43.59	-0.028	14	0.73	28.927	18	01.4	42.16	21	99.6	F5		GC	19819	C*-2911263
00		9.4R	40 31.175	-0.0045	15	-26 37 49.05	0.008	15	0.30	31.250	16	33.4	49.18	16	33.4	G5	J	14	10579	E -2610460

182800

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	EPOCH 1950 μ s	EPOCH 1950 σ_μ ″.001	EPOCH 1950 δ_{1950} ° ′ ″	EPOCH 1950 μ' ″	EPOCH 1950 $\sigma_{\mu'}$ ″.001	EPOCH 1950 σ_{1950} ″	ORIGINAL EPOCH α_2 s	ORIGINAL EPOCH σ ″.01	ORIGINAL EPOCH ep.	ORIGINAL EPOCH δ_2 ″	ORIGINAL EPOCH σ' ″.01	ORIGINAL EPOCH ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	-20° 14H DM NUMBER
1		8.5R	14 40 32.121	0.0006	15	-22 48 16.36	-0.005	15	0.30	32.111	16	33.4	16.28	16	33.4	KO J	14	10580	E -2210620
2		8.6R	40 37.185	0.0000	18	-24 14 50.40	-0.007	18	0.34	37.184	16	33.4	50.28	16	33.4	A2 J	14	10581	E -2311874
3		9.2A	40 43.698	-0.0033	17	-20 42 50.87	0.002	13	0.30	43.754	16	33.4	50.91	16	33.4	F0 J	13A	6124	A -20 4078
4		8.5R	40 45.202	-0.0033	18	-27 33 30.66	-0.096	18	0.34	45.257	16	33.4	29.06	16	33.4	F8 J	13B	9281	J -2710011
5		7.2T	40 45.717	-0.0014	14	-29 47 2.64	-0.055	13	0.73	45.789	18	99.3	-59.73	18	97.5	G5	GC	19824	C -2911267
6		9.0R	40 50.893	-0.0013	18	-24 46 24.07	0.011	18	0.34	50.914	16	33.4	24.25	16	33.4	K5 J	14	10582	E -2411641
7		8.9R	40 54.030	-0.0041	18	-29 23 35.74	0.031	18	0.34	54.097	16	33.4	36.25	16	33.4	G0 J	13B	9283	J -2911269
8		8.0R	40 54.663	-0.0030	17	-25 48 3.20	0.050	17	0.32	54.713	16	33.4	4.03	16	33.4	A0 J	14	10584	E -2210498
9		8.7R	40 54.688	-0.0006	18	-29 55 40.76	0.004	18	0.34	54.698	16	33.4	40.82	16	33.4	F0 J	13B	9282	J -2911268
10		9.6R	40 55.664	0.0038	18	-24 16 17.38	-0.026	18	0.34	55.600	16	33.4	16.95	16	33.4	F8 M	14	10585	E -2311875
11		9.3R	40 58.127	-0.0037	20	-25 49 27.46	-0.010	20	0.36	58.189	16	33.4	27.30	16	33.4	F8 M	14	10586	E -2510499
12		8.7R	41 0.555	0.0001	12	-23 52 3.63	0.015	15	0.27	0.553	16	33.4	3.88	16	33.4	A0 J	14	10588	E -2311878
13		8.5R	41 3.096	0.0015	15	-27 8 49.17	-0.022	15	0.30	3.071	16	33.4	48.80	16	33.4	K2 J	14	10587	E -2610469
14		9.0R	41 5.047	-0.0093	20	-28 17 19.98	-0.076	20	0.36	5.202	16	33.4	18.72	16	33.4	G0 J	13B	9286	J -2710014
15		9.2R	41 8.713	-0.0044	18	-26 57 7.80	-0.064	18	0.34	8.786	16	33.4	6.74	16	33.4	G0 J	14	10589	E -2610471
16		8.0R	41 10.645	0.0042	20	-28 8 28.27	0.032	20	0.36	10.576	16	33.4	28.80	16	33.4	G5 J	13B	9289	J -2710015
17		9.1R	41 16.441	-0.0000	17	-28 51 15.82	0.025	20	0.34	16.442	16	33.4	16.23	16	33.4	F0 J	13B	9290	J -2810908
18		8.6A	41 17.375	0.0000	15	-21 45 16.80	-0.009	11	0.27	17.375	16	33.4	16.66	16	33.4	K5 J	13A	6126	A -21 3953
19		9.0R	41 18.716	-0.0104	18	-29 28 51.84	-0.046	18	0.34	18.890	16	33.4	51.08	16	33.4	G5 M	13B	9291	J -2911277
20		9.5R	41 22.193	0.0025	21	-27 22 3.23	0.001	21	0.38	22.152	16	33.4	3.24	16	33.4	K2 M	13B	9292	J -2710018
21		9.5R	41 24.378	-0.0019	18	-26 48 27.36	-0.012	18	0.34	24.410	16	33.4	27.16	16	33.4	F0 J	14	10590K	E -2610476
22		7.0T	41 24.588	-0.0028	09	-23 55 4.42	0.025	09	0.56	24.747	17	93.6	5.90	17	92.0	K0	GC	19833	C -2311880
23		8.5R	41 26.075	-0.0023	18	-22 45 36.00	-0.014	18	0.34	26.114	16	33.4	35.77	16	33.4	K0 J	14	10593	E -2210629
24		8.9R	41 26.899	-0.0111	12	-25 40 58.06	-0.107	12	0.25	27.084	16	33.4	56.28	16	33.4	G5 J	14	10592	E -2510504
25		8.5R	41 28.550	-0.0049	18	-22 47 6.92	-0.021	18	0.34	28.631	16	33.4	6.57	16	33.4	K2 J	14	10594	E -2210630
26		8.9R	41 29.802	-0.0043	17	-28 48 7.21	0.032	17	0.32	29.873	16	33.4	7.74	16	33.4	F0 J	13B	9293K	J -2810912
27		9.2R	41 37.073	-0.0067	18	-29 25 14.41	-0.050	18	0.34	37.185	16	33.4	13.58	16	33.4	G5 J	13B	9294	J -2911280
28		9.2R	41 38.939	0.0021	18	-22 32 31.12	0.015	18	0.34	38.905	16	33.4	31.37	16	33.4	K0 M	14	10595	E -2210633
29		8.6R	41 40.402	0.0020	18	-23 6 35.71	0.005	18	0.34	40.369	16	33.4	35.79	16	33.4	K5 J	14	10596	E -2210634
30		8.5R	41 43.861	0.0014	18	-24 50 18.58	0.011	18	0.34	43.839	16	33.4	18.75	16	33.4	K5 J	14	10597	E -2411647
31		9.0A	41 44.332	-0.0093	17	-22 2 15.49	-0.339	13	0.30	44.486	16	33.4	9.87	16	33.4	K2 J	13A	6129	A -21 3954
32		9.3R	41 45.915	-0.0032	20	-28 1 5.45	-0.056	20	0.36	45.968	16	33.4	4.52	16	33.4	K0 M	13B	9295	J -2710027
33		8.4R	41 47.215	0.0010	18	-22 39 55.04	-0.035	18	0.34	47.199	16	33.4	54.46	16	33.4	K5 J	14	10598	E -2210637
34		9.0A	41 53.081	-0.0027	15	-20 16 16.94	-0.008	11	0.27	53.126	16	33.4	16.80	16	33.4	F2 J	13A	6131	A -19 3950
35		8.5R	41 54.477	-0.0016	18	-23 40 0.78	0.020	18	0.34	54.502	16	33.4	1.11	16	33.4	K5 J	14	10599	E -2311883
36		8.5R	41 58.884	-0.0020	17	-29 7 27.12	-0.009	17	0.32	58.918	16	33.4	26.97	16	33.4	G5 J	13B	9298	J -2810918
37		8.4R	42 1.792	-0.0035	18	-27 50 16.15	-0.005	18	0.34	1.850	16	33.4	16.06	16	33.4	G0 J	13B	9299	J -2710030
38		8.8A	42 2.835	-0.0017	15	-21 37 54.02	-0.027	11	0.27	2.863	16	33.4	53.58	16	33.4	K2 J	13A	6132	A -21 3956
39		9.0R	42 7.792	-0.0004	17	-29 18 33.76	-0.006	17	0.32	7.799	16	33.4	33.66	16	33.4	K0 J	13B	9300	J -2810920
40		8.4R	42 8.619	0.0036	12	-25 37 5.80	-0.010	12	0.25	8.559	16	33.4	5.64	16	33.4	F2 J	14	10600	E -2510510
41		9.2R	42 11.684	0.0008	18	-24 25 28.43	-0.029	18	0.34	11.671	16	33.4	27.94	16	33.4	K0 J	14	10601	E -2411653
42		8.8R	42 17.599	-0.0001	18	-29 43 42.13	-0.018	18	0.34	17.601	16	33.4	41.83	16	33.4	F8 J	13B	9301	J -2911284
43		9.0R	42 25.101	-0.0009	18	-29 59 8.84	0.027	18	0.34	25.116	16	33.4	9.29	16	33.4	K0 M	13B	9302	J -2911286
44		8.5R	42 25.268	-0.0020	12	-26 59 50.24	-0.019	12	0.25	25.301	16	33.4	49.92	16	33.4	G5 J	14	10603	E -2610489
45		9.1R	42 26.449	-0.0032	12	-23 43 54.76	0.002	15	0.27	26.502	16	33.4	54.34	16	33.4	F8 J	14	10605	E -2311886
46		9.2R	42 32.420	0.0033	12	-24 35 2.80	0.001	12	0.25	32.365	16	33.4	2.81	16	33.4	G5 J	14	10606	E -2411656
47		9.3A	42 35.447	-0.0020	17	-20 6 19.31	0.011	13	0.30	35.481	18	33.4	19.49	16	33.4	F5 J	12B	6133	A -19 3953
48		8.2R	42 36.591	-0.0023	12	-26 43 56.30	-0.033	12	0.25	36.629	16	33.4	55.75	16	33.4	A3 J	14	10607	E -2610493
49		8.8R	42 46.737	0.0015	17	-28 59 3.93	-0.041	17	0.32	46.712	16	33.4	3.25	16	33.4	G5 J	13B	9304	J -2810927
50		8.9R	42 47.543	-0.0031	18	-24 46 13.57	-0.005	18	0.34	47.595	16	33.4	13.49	16	33.4	K0 J	14	10608	E -2411657
51		9.2R	14 42 50.735	0.0009	18	-29 29 30.19	-0.079	18	0.34	50.721	16	33.4	28.87	16	33.4	G0 M	13B	9305	J -2911292
52		7.5A	42 52.652	-0.0032	13	-22 12 1.38	-0.019	09	0.25	52.705	16	33.4	1.07	16	33.4	A0 J	13A	6135	A -21 3959
53		8.8R	42 57.789	-0.0046	15	-27 30 17.32	-0.026	15	0.30	57.865	16	33.4	16.89	16	33.4	G5 J	13B	9306	J -2710040
54		9.5R	42 58.672	0.0013	18	-22 24 25.89	-0.002	18	0.34	58.650	16	33.4	25.85	16	33.4	G0 J	14	10610	E -2210643
55		5.2T	43 6.029	-0.0111	04	-25 13 55.15	-0.107	04	0.21	6.591	09	99.6	49.62	09	98.4	F5	GC	19864K	C*-2411661
56		7.1T	43 6.570	-0.0103	11	-25 14 0.12	-0.083	10	0.56	7.086	17	00.2	-55.95	18	99.8	F9	GC	19865	C -2411661
57		5.9T	43 14.185	0.0016	08	-22 56 33.24	-0.060	08	0.36	14.114	06	05.9	30.66	07	07.0	K0	GC	19871	-22 3844
58		6.4T	43 20.365	-0.0045	04	-20 57 54.40	-0.108	04	0.21	20.563	07	05.5	49.50	07	04.5	G0	GC	19873	B*-20 4087
59		9.0A	43 30.494	-0.0043	17	-20 56 1.19	0.014	12	0.29	30.565	16	33.4	1.43	16	33.4	K5 J	13A	6141	A -20 4088
60		9.6R	43 32.983	-0.0028	21	-27 40 32.49	0.013	00	0.29	33.029	16	33.4	32.70	16	33.4	F8 M	13B	9309	J -2710045
61		7.5A	43 36.467	-0.0065	15	-22 11 39.14	-0.046	12	0.27	36.575	16	33.4	38.38	16	33.4	F2 J	13A	6142	A -21 3961
62		9.4R	43 41.266	-0.0029	15	-24 31 46.48	0.035	18	0.32	41.314	16	33.4	47.05	16	33.4	F8 M	14	10614	E -2411664
63		8.7A	43 54.524	-0.0002	17	-21 57 33.11	0.004	13	0.30	54.527	16	33.4	33.18	16	33.4	K5 J	13A	6144	A -21 3962
64		9.4R	43 55.196	-0.0023	15	-26 57 3.69	-0.086	15	0.30	55.234	16	33.4	2.26	16	33.4	G	M	14	10615	E -2610504
65		8.4R	43 55.610	-0.0153	12	-27 2 17.72	-0.090	12	0.25	55.864	16	33.4	16.22	16	33.4	B8 J	14	10616	E -2610505
66		9.2R	43 58.220	-0.0006	17	-29 11 39.67	-0.042	17	0.32	58.230	16	33.4	38.97	16	33.4	F8 M	13B	9314	J -2810938
67		9.2R	43 58.808	0.0008	18	-26 50 56.32	-0.012	18	0.34	58.794	16	33.4	56.12	16	33.4	M0 M	14	10617	E -2610506
68		8.3A	44 0.345	-0.0001	17	-22 15 55.00	0.019	13	0.30	0.346	16	33.4	50.72	16	33.4	K7 J	13A	6145	A -21 3964
69		9.2R	44 5.199	-0.0023	15	-22 59 45.49	-0.047	15	0.30	5.237	16	33.4	44.71	16	33.4	F8 J	14	10620	E -2210655
70		8.9R	44 5.469	0.0039	18	-25 15 19.71	-0.037	18	0.34	5.405	16	33.4	19.09	16	33.4	F8 J	14	10619	E -2411667
71		8.7R	44 6.884	-0.0044	12	-27 16 16.59	0.012	12	0.25	6.956	16	33.4	16.79	16	33.4	A0 J	13B	9316	J -2610508
72		8.5R	44 14.728	-0.0040	18	-28 6 25.23	-0.043	18	0.34	14.795	16	33.4	24.52	16	33.4	G5 J	13B	9318	J -2710049
73		6.1T	44 22.758	-0.0010	05	-21 6 58.39	0.000	05	0.23	22.802	09	04.2	58.40	09	02.2	K2	GC	19895	B*-20 4093
74		9.0R	44 25.132	0.0010	20	-28 37 12.61	0.014	20	0.36	25.115	16	33.4	12.84	16	33.4	F5 J	13B	9320	J -2810943
75		5.7T	44 27.678	-0.0006	04	-25 24 55.90	-0.020	04	0.23	27.704	10	02.3	54.84	10	97.8	A0P	GC	19897	C*-2510534
76		9.3R	44 31.798	-0.0013	15	-23 51 12.47	-0.019	15	0.30	31.820	16	33.4	12.15	16	33.4	K5 J	14	10622	E -2311901
77		9.6R	44 36.001	-0.0053	20	-23 21 56.54	0.015	20	0.36	36.089	16	33.4	56.79	16	33.4	F5 M	14	10623	E -2311902
78		8.9R	44 36.776	-0.0012	18	-29 27 38.82	-0.048	18	0.34	36.795	16	33.4	38.02	16	33.4	K0 M	13B	9322	J -2911314
79		9.1R	44 40.878	-0.0032	15	-22 40 54.09	0.039	18	0.32	40.932	16	33.4	54.74	16	33.4	K5 M	14	10624	E -2210658
80		9.3R	44 46.463	0.0036	18	-25 51 56.52	-0.008	18	0.34	46.402	16	33.4	56.39	16	33.4	G0 M	14	10625	E -2510535
81		7.6T	44 46.649	-0.0034	14	-27 29 24.98	-0.039	12	0.71	46.821	21	99.6	22.88	19	96.0	F8	GC	19903	C -2710051
82		5.4H	44 49.286	0.0031	02	-25 52 44.62	-0.009	02	0.07	49.197	04	21.6	44.34	04	20.2	G5	F4	1385	C -2510537
83		5.8T	45 1.621	-0.0009	05	-26 26 16.69	-0.015	04	0.23	1.664	09	03.0	15.95	09	00.3	B9	GC	19908	C*-2610519
84		9.3A	45 8.491	-0.0013	11	-20 39 16.86	0.001	09	0.23	8.512	16	33.4	16.88	16	33.4	K2 J	13A	6151	A -20 4097
85		9.2R	45 19.944	0.0019	20	-24 24 17.62	0.019	20	0.36	19.913	16	33.4	17.94	16	33.4	G5 J	14	10628K	E -2411678
86		8.4R	45 26.358	0.0003	18	-29 25 1.92	-0.108	18	0.34	26.354	16	33.4	0.12	16	33.4	G5 J	13B	9327	J -2911323
87		9.2A	45 27.937	-0.0053	15	-20 18 17.89	0.044	12	0.27	28.026	16	33.4	18.62	16	33.4	G0 J	13A	6152	A -19 3961
88		6.9T	45 34.634	-0.0092	11	-25 16 53.83	0.172	09	0.58	35.137	17	95.0	+ 3.86	17	91.6	F8	GC	19919	C*-2411680
89		8.4R	46 0.382	-0.0047	18	-29 21 6.49	0.021	18	0.34	0.460	16	33.4	6.84	16	33.4	G0 J	13B	9330	J -2911335
90		8.7R	46 1.673	0.0013	18	-25 10 30.24	-0.006	18	0.34	1.652	16	33.4	30.14	16	33.4	K2 J	14	10631	E -2411687
91		9.2R	46 7.330	-0.0018	20	-29 13 14.90	-0.011	20	0.36	7.360	16	33.4	14.71	16	33.4	K0 M	13B	9331	J -2810965
92		9.4R	46 8.384	-0.0012	15	-25 25 52.79	0.014	15	0.30	8.404	16	33.4	53.02	16	33.4	A7 M	14	10632	E -2510545
93		9.1R	46 12.635	0.0007	12	-28 54 14.80	0.011	12	0.25	12.624	16	33.4	14.98	16	33.4	K0 M	13B	9332	J -2810968
94		9.1A	46 15.734	-0.0002	11	-22 15 59.17	0.001	09	0.23	15.737	16	33.4	59.19	16	33.4	G5 J	13A	6153	A -21 3969
95		8.7R	46 21.244	-0.0034	12	-23 28 55.32	-0.026	15	0.27	21.300	16	33.4	54.89	16	33.4	G5 J	14	10633K	E -2311914
96		8.6R	46 22.139	-0.0021	12	-24 3 27.43	-0.016	15	0.27	22.174	16	33.4	27.17	16	33.4	F8 J	14	10634	E -2311915
97		8.7R	46 24.827	-0.0014	12	-27 53 12.10	0.009	12	0.25	24.851	16	33.4	12.25	16	33.4	K5 J	13B	9334	J -2710065
98		5.8T	46 25.007	-0.0017	06	-24 2 40.27	-0.007	06	0.29	25.085	10	04.7	39.97	12	03.4	K0	GC	19936K	C*-2311916
99		8.8R	46 28.646	0.0049	12	-28 39 30.03	0.034	12	0.25	28.565	16	33.4	30.59	16	33.4	K5 J	13B	9335	J -2810972
00		9.5R	46 41.300	-0.0030	18	-28 14 4.37	-0.062	18	0.34	41.350	16	33.4	3.34	16	33.4	G0 J	13B	9337	J -2710067

182900 — EPOCH 1950 — ORIGINAL EPOCH — SOURCE — -20° 14H

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.		CAT.	STAR NUMBER	DM NUMBER
1		9.2R	14 46 43.808	-0.0040	15	-25 50 44.02	-0.033	15	0.30	43.875	16	33.4	43.47	16	33.4	G0	J	14	10638	E -2510552
2		9.0R	46 47.406	0.0013	15	-25 19 33.06	0.008	15	0.30	47.385	16	33.4	33.19	16	33.4	K2	J	14	10640	E -2510555
3		9.3R	46 55.161	0.0032	18	-25 1 11.70	-0.010	18	0.34	55.108	16	33.4	11.53	16	33.4	G0	J	14	10641	E -2411698
4		9.1R	46 56.110	0.0037	20	-29 8 13.56	-0.045	20	0.36	56.049	16	33.4	12.81	16	33.4	F5	M	13B	9339	J -2810977
5		7.3T	46 59.168	-0.0059	12	-28 49 41.41	0.015	12	0.66	59.467	15	98.9	42.20	18	96.8	K0		GC	19945	C -2810979
6		8.4R	47 1.913	-0.0026	18	-24 0 48.17	-0.033	18	0.34	1.955	16	33.4	47.63	16	33.4	F5	J	14	10642	E -2311922
7		9.0A	47 2.833	-0.0041	17	-20 20 9.75	0.006	13	0.30	2.900	16	33.4	9.84	16	33.4	F5	J	13A	6157	A -19 3969
8		9.0R	47 5.149	-0.0025	18	-24 54 48.79	-0.032	18	0.34	5.191	16	33.4	48.26	16	33.4	K0	J	14	10643	E -2411701
9		9.0A	47 5.964	-0.0039	17	-22 1 44.59	-0.041	13	0.30	6.028	16	33.4	43.91	16	33.4	K0	J	13A	6158	A -21 3971
10		9.7R	47 20.464	-0.0001	18	-22 51 40.46	-0.012	18	0.34	20.466	16	33.4	40.26	16	33.4	G0	M	14	10644	E -2210684
11		4.6T	47 20.721	-0.0181	04	-27 45 11.94	-0.062	04	0.21	21.559	09	03.7	8.80	09	99.4	K2		GC	19954	C*-2710073
12		9.0A	47 21.961	-0.0028	17	-21 19 7.11	-0.130	13	0.30	22.008	16	33.4	4.96	16	33.4	G5	J	13A	6160	A -20 4100
13		8.3R	47 22.143	-0.0012	15	-22 21 56.09	-0.004	15	0.30	22.163	16	33.4	56.03	16	33.4	A5	J	14	10645	E -2210685
14		8.2R	47 24.519	-0.0066	20	-24 13 17.11	0.040	20	0.36	24.628	16	33.4	17.78	16	33.4	G5	J	14	10646	E -2311924
15		9.1A	47 25.616	-0.0011	18	-20 27 43.79	-0.024	15	0.32	25.634	16	33.4	43.39	16	33.4	G5	J	13A	6161	A -20 4101
16		8.5R	47 32.310	-0.0045	18	-26 18 55.77	-0.088	18	0.34	32.384	16	33.4	54.31	16	33.4	F8	J	14	10647	E -2610543
17		9.0R	47 33.877	-0.0031	20	-25 34 51.37	0.006	20	0.36	33.928	16	33.4	51.45	16	33.4	G5	J	14	10648	E -2510563
18		8.8R	47 36.275	-0.0038	15	-23 23 37.09	-0.022	15	0.30	36.339	16	33.4	36.72	16	33.4	F5	J	14	10649	E -2311926
19		8.7R	47 39.308	0.0027	17	-23 2 36.25	-0.028	17	0.32	39.263	16	33.4	35.79	16	33.4	F5	J	14	10650	E -2210687
20		9.0A	47 40.816	0.0010	17	-20 33 39.07	0.009	13	0.30	40.800	16	33.4	39.22	16	33.4	K0	J	13A	6163	A -20 4102
21		9.2R	47 43.629	-0.0042	18	-24 47 33.48	-0.031	18	0.34	43.699	16	33.4	32.96	16	33.4	A0	J	14	10651	E -2411705
22		9.3R	47 50.647	0.0010	20	-29 11 37.04	0.024	20	0.36	50.631	16	33.4	37.44	16	33.4	G5	J	13B	9345	J -2810989
23		8.7R	47 51.919	-0.0025	18	-29 22 25.91	-0.030	18	0.34	51.960	16	33.4	25.41	16	33.4	G0	J	13B	9346	J -2911351
24		7.7T	47 56.278	-0.0049	13	-28 7 6.25	-0.031	12	0.68	56.526	18	99.1	4.63	18	98.0	F2		GC	19971	C -2710077
25		9.0R	47 57.300	-0.0013	18	-23 12 19.97	0.004	18	0.34	57.321	16	33.4	20.03	16	33.4	K0	J	14	10652	E -2210690
26		9.0R	48 1.599	-0.0007	21	-28 46 36.47	0.012	21	0.38	1.611	16	33.4	36.67	16	33.4	F2	J	13B	9348	J -2810992
27		9.3A	3.943	0.0015	17	-20 27 47.68	-0.039	13	0.30	3.918	16	33.4	47.03	16	33.4	G5	J	13A	6170	A -20 4103
28		9.2R	8.830	0.0022	20	-26 50 59.38	0.010	20	0.36	8.793	16	33.4	59.54	16	33.4	K5	M	14	10653	E -2610554
29		9.0R	16.675	-0.0189	20	-25 51 12.87	-0.001	20	0.36	16.989	16	33.4	12.85	16	33.4	F8	J	14	10655	E -2510569
30		8.8R	19.721	-0.0046	20	-24 38 43.84	0.019	20	0.36	19.797	16	33.4	44.16	16	33.4	F5	J	14	10656	E -2411709
31		8.0R	21.658	0.0004	18	-23 39 12.78	-0.053	18	0.34	21.617	16	33.4	11.89	16	33.4	G5	J	14	10657	E -2311934
32		8.4R	28.601	-0.0006	18	-27 25 54.64	-0.036	18	0.34	28.611	16	33.4	54.04	16	33.4	A0	J	13B	9350	J -2710082
33		9.4R	43.690	-0.0007	18	-23 34 49.81	-0.001	18	0.34	43.701	16	33.4	49.80	16	33.4	A2	J	14	10658	E -2311938
34		9.2R	46.792	-0.0040	21	-22 28 35.07	0.049	21	0.38	46.859	16	33.4	35.89	16	33.4	K5	J	14	10659	E -2210699
35		7.9T	49.896	-0.0676	13	-24 5 34.88	-0.422	12	0.66	53.255	18	00.3	13.21	18	98.6	K2		GC	19986	C*-2311940
36		8.8A	48 52.656	-0.0012	15	-21 51 39.01	0.004	11	0.27	52.676	16	33.4	39.08	16	33.4	F2	J	13A	6175	A -21 3979
37		7.7A	48 54.337	-0.0021	13	-20 24 33.63	0.009	09	0.25	54.371	16	33.4	33.71	16	33.4	K0	J	13A	6176	A -20 4107
38		8.5R	48 56.671	-0.0039	18	-27 23 25.23	-0.019	18	0.34	56.736	16	33.4	24.91	16	33.4	G5	J	13B	9356	J -2710084
39		9.0R	48 57.410	-0.0047	18	-29 46 3.89	0.020	18	0.34	57.489	16	33.4	4.22	16	33.4	F0	M	13B	9355	J -2911362
40		9.5R	48 58.257	-0.0041	20	-24 43 14.97	0.001	20	0.36	58.325	16	33.4	14.98	16	33.4	A7	M	14	10661	E -2411712
41		8.9R	48 59.125	0.0024	20	-27 25 44.08	-0.030	20	0.36	59.085	16	33.4	43.58	16	33.4	G5	J	13B	9357	J -2710085
42		9.2R	49 1.338	-0.0071	15	-24 22 35.75	-0.010	15	0.30	1.456	16	33.4	35.59	16	33.4	G5	M	14	10662	E -2411714
43		8.3R	49 17.029	-0.0004	20	-26 25 5.73	-0.005	20	0.36	17.037	16	33.4	5.65	16	33.4	G5	J	14	10663	E -2610563
44		9.0R	49 17.311	0.0013	18	-22 48 25.67	-0.054	18	0.34	17.289	16	33.4	24.77	16	33.4	G5	J	14	10664	E -2210703
45		8.9A	49 19.250	0.0005	15	-20 36 32.95	-0.027	11	0.27	19.242	16	33.4	32.51	16	33.4	K0	J	13A	6177	A -20 4109
46		9.0R	49 21.502	-0.0033	20	-26 56 2.97	0.030	20	0.36	21.556	16	33.4	3.47	16	33.4	F0	J	14	10665	E -2610565
47		9.1R	49 24.256	0.0000	20	-27 55 21.61	0.050	20	0.36	24.256	16	33.4	22.44	16	33.4	K0	M	13B	9359	J -2710089
48		8.2R	49 27.617	0.0050	18	-23 44 55.92	-0.022	18	0.34	27.534	16	33.4	55.56	16	33.4	K0	J	14	10666	E -2311943
49		9.1A	49 29.711	-0.0032	17	-21 30 36.19	0.016	13	0.30	29.764	16	33.4	36.46	16	33.4	G0	J	13A	6178	A -21 3980
50		8.0R	49 42.537	-0.0140	18	-25 14 56.12	-0.118	18	0.34	54.116	16	33.4	54.16	16	33.4	G5	J	14	10667	E -2411721
51		7.6T	14 49 44.117	0.0006	13	-23 54 47.39	-0.013	16	0.74	44.088	19	00.2	46.79	21	02.1	B8		GC	20002	C -2311946
52		8.4R	49 50.869	-0.0023	12	-28 42 34.44	-0.010	12	0.25	50.907	16	33.4	34.27	16	33.4	F8	J	13B	9366	J -2811007
53		9.1R	49 51.114	-0.0107	15	-25 50 16.97	-0.076	15	0.30	51.291	16	33.4	15.71	16	33.4	G5	J	14	10671	E -2510584
54		9.2R	49 51.708	-0.0007	15	-25 57 20.58	0.033	15	0.30	51.721	16	33.4	21.13	16	33.4	M1	M	14	10670	E -2510583
55		9.1R	49 53.576	-0.0009	15	-27 2 42.01	-0.040	15	0.30	53.590	16	33.4	41.34	16	33.4	A0	J	14	10672	E -2610568
56		9.3R	49 54.990	0.0035	20	-29 11 28.02	0.058	20	0.36	54.932	16	33.4	28.98	16	33.4	G0	M	13B	9368	J -2811008
57		9.2R	49 55.109	0.0001	15	-24 5 15.39	-0.024	18	0.32	55.107	16	33.4	14.98	16	33.4	K5	M	14	10673	E -2311948
58		9.0R	49 58.713	0.0002	20	-28 20 48.25	-0.002	20	0.36	58.709	16	33.4	48.21	16	33.4	K0	J	13B	9369	J -2811010
59		9.2R	50 8.799	-0.0013	18	-25 35 47.10	0.014	18	0.34	8.820	16	33.4	47.33	16	33.4	G5	J	14	10674	E -2510588
60		9.0R	50 8.850	0.0019	18	-27 37 21.34	-0.013	18	0.34	8.819	16	33.4	21.12	16	33.4	A0	J	13B	9371	J -2710096
61		9.3R	50 9.653	-0.0006	15	-23 32 9.37	-0.014	15	0.30	9.662	16	33.4	9.14	16	33.4	F8	M	14	10675	E -2311950
62		9.1A	50 19.476	0.0009	17	-21 29 55.53	0.018	13	0.30	19.461	16	33.4	55.83	16	33.4	G0	J	13A	6180	A -21 3984
63		8.4R	50 24.667	0.0006	15	-23 15 52.77	-0.035	15	0.30	24.657	16	33.4	52.19	16	33.4	F0	J	14	10676	E -2210715
64		8.6A	50 26.432	-0.0014	17	-21 24 3.56	0.020	13	0.30	26.455	16	33.4	3.90	16	33.4	A5	J	13A	6182	A -21 3985
65		9.1R	50 28.966	0.0025	18	-22 53 13.75	-0.012	18	0.34	28.925	16	33.4	13.55	16	33.4	A3	J	14	10678	E -2210716
66		8.4R	50 32.508	-0.0023	12	-27 3 56.35	-0.030	12	0.25	32.546	16	33.4	55.85	16	33.4	F2	J	14	10677	E -2610580
67		9.0R	50 37.425	-0.0002	18	-24 16 38.21	0.019	18	0.34	37.427	16	33.4	38.53	16	33.4	M2	M	14	10679	E -2311953
68		8.6R	50 42.864	0.0001	12	-25 23 50.38	-0.006	12	0.25	42.862	16	33.4	50.28	16	33.4	F8	J	14	10680	E -2510590
69		9.1R	50 43.263	0.0011	20	-27 33 24.52	0.010	20	0.36	43.244	16	33.4	24.68	16	33.4	K5	M	13B	9374	J -2710101
70		9.2R	50 44.360	-0.0013	18	-22 56 40.69	-0.008	18	0.34	44.380	16	33.4	40.56	16	33.4	F5	J	14	10681	E -2210717
71		7.5T	50 48.389	-0.0009	12	-28 12 7.71	-0.003	12	0.66	48.435	18	98.0	7.55	18	97.6	G5		GC	20026	C -2710103
72		8.4A	50 51.809	-0.0010	13	-21 30 32.87	-0.002	09	0.25	51.825	16	33.4	32.83	16	33.4	K0	J	13A	6187	A -21 3987
73		9.2R	50 55.712	0.0023	18	-23 32 21.52	-0.009	18	0.34	55.674	16	33.4	21.36	16	33.4	A2	J	13B	9376	J -2911375
74		7.2T	50 59.499	-0.0047	11	-23 46 15.76	0.001	10	0.59	59.755	18	95.7	15.84	18	93.5	A2		GC	20030	C -2311955
75		8.5R	51 1.225	-0.0035	18	-26 31 45.23	-0.016	18	0.34	1.282	16	33.4	44.96	16	33.4	A0	J	14	10682	E -2610585
76		9.1R	51 3.871	0.0014	18	-29 47 40.63	-0.015	18	0.34	3.848	16	33.4	40.38	16	33.4	F8	J	13B	9378	J -2911377
77		9.0R	51 9.368	0.0012	18	-29 34 36.91	0.012	18	0.34	9.347	16	33.4	37.11	16	33.4	K0	M	13B	9379	J -2911379
78		8.6R	51 10.080	0.0001	15	-25 0 22.54	0.010	18	0.32	10.059	16	33.4	22.70	16	33.4	K0	J	14	10684	E -2411732
79		8.4R	51 10.968	-0.0008	18	-24 27 4.12	-0.014	18	0.34	10.980	16	33.4	3.89	16	33.4	K2	J	14	10686	E -2411733
80		8.8R	51 11.060	0.0037	15	-25 22 15.24	-0.017	15	0.30	10.999	16	33.4	14.96	16	33.4	F5	J	14	10685	E -2510595
81		8.9R	51 17.968	0.0019	18	-24 49 29.40	0.009	18	0.34	17.937	16	33.4	29.54	16	33.4	K0	J	14	10687	E -2411734
82		6.6T	51 22.547	-0.0037	10	-28 8 43.38	-0.018	07	0.53	22.747	18	95.5	42.31	18	90.4	K0		GC	20046	C -2710111
83		5.4T	51 25.503	-0.0007	03	-24 26 20.00	-0.031	03	0.18	25.538	07	01.1	18.47	07	99.9	K0		GC	20047	C*-2411735
84		9.2R	51 26.773	-0.0019	20	-27 2 5.49	-0.027	20	0.36	26.803	16	33.4	5.04	16	33.4	K5	M	14	10688	E -2610588
85		9.0R	51 32.911	0.0006	18	-24 38 14.51	0.022	18	0.34	32.902	16	33.4	14.88	16	33.4	G0	J	14	10691	E -2411736
86		8.7R	51 37.850	-0.0017	15	-28 4 18.77	-0.011	15	0.30	37.879	16	33.4	18.58	16	33.4	A0	J	13B	9385	J -2710114
87		8.5R	51 40.774	-0.0011	18	-29 39 0.59	-0.040	18	0.34	40.793	16	33.4	59.92	16	33.4	A0	J	13B	9386	J -2911387
88		9.3R	51 42.173	-0.0004	20	-27 57 41.38	0.035	20	0.36	42.179	16	33.4	41.96	16	33.4	K0	M	13B	9387	J -2710116
89		9.0R	51 47.955	-0.0009	18	-29 29 23.66	-0.032	18	0.34	47.971	16	33.4	23.13	16	33.4	G0	M	13B	9388	J -2911389
90		9.5R	52 0.791	0.0002	20	-27 20 48.29	-0.018	20	0.36	0.788	16	33.4	47.99	16	33.4	G5	M	13B	9389	J -2710119
91		9.3R	52 5.251	-0.0070	12	-25 1 31.80	-0.022	15	0.27	5.367	16	33.4	31.43	16	33.4	G5	J	14	10692	E -2411740
92		9.0R	52 6.967	-0.0028	17	-26 4 4.28	0.018	17	0.32	7.013	16	33.4	4.58	16	33.4	G5	J	14	10693	E -2510604
93		8.7R	52 7.439	-0.0020	18	-23 27 37.41	-0.005	18	0.34	7.472	16	33.4	37.33	16	33.4	K0	J	14	10695	E -2311963
94		9.4R	52 8.738	0.0007	18	-22 28 52.60	0.032	18	0.34	8.727	16	33.4	53.12	16	33.4	A5	M	14	10696	E -2210724
95		9.2R	52 9.918	-0.0013	20	-28 40 48.94	-0.021	20	0.36	9.939	16	33.4	48.59	16	33.4	G0	M	13B	9390	J -2811030
96		9.5R	52 10.195	-0.0001	15	-26 46 19.06	-0.031	15	0.30	10.196	16	33.4	18.54	16	33.4	F5	M	14	10694	E -2610593
97		9.0A	52 11.551	-0.0049	17	-21 9 11.65	-0.023	13	0.30	11.632	16	33.4	11.27	16	33.4	K0	J	13A	6191	A -20 4115
98		9.4R	52 16.811	0.0021	18	-23 34 54.80	0.030	18	0.34	16.776	16	33.4	55.30	16	33.4	K0	M	14	10697	E -2311966
99		8.1R	52 17.427	-0.0184	18	-29 19 41.29	0.148	18	0.34	17.732	16	33.4	43.74	16	33.4	G0	J	13B	9391	J -2911397
00		9.2R	52 30.385	-0.0002	20	-28 7 22.22	0.005	20	0.36	30.389	16	33.4	22.30	16	33.4	A5	M	13B	9394	J -2710123

183000

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	EPOCH 1950 μ s	EPOCH 1950 σ_μ ″.001	EPOCH 1950 δ_{1950} ° ′ ″	EPOCH 1950 μ' ″	EPOCH 1950 $\sigma_{\mu'}$ ″.001	EPOCH 1950 σ_{1950} ″	ORIGINAL EPOCH α_2 s	ORIGINAL EPOCH σ ″.01	ORIGINAL EPOCH ep.	ORIGINAL EPOCH δ_2 ″	ORIGINAL EPOCH σ' ″.01	ORIGINAL EPOCH ep.	SP.		SOURCE CAT.	SOURCE STAR NUMBER	SOURCE DM NUMBER
1		9.7R	14 52 30.672	0.0030	18	-22 55 59.68	-0.007	18	0.34	30.622	16	33.4	59.56	16	33.4	F5	M	14	10699	E -2210732
2		8.6T	52 31.094	0.0001	11	-25 24 47.89	-0.009	10	0.56	31.091	18	00.5	47.43	18	99.9	K5		GC	20062	C*-2510610
3		9.1R	52 34.154	-0.0009	18	-24 33 45.35	-0.019	18	0.34	34.169	16	33.4	45.03	16	33.4	K2	J	14	10700	E -2411747
4		9.1R	52 46.670	-0.0029	18	-25 4 11.78	0.021	18	0.34	46.718	16	33.4	12.13	16	33.4	F8	M	14	10701	E -2411750
5		8.0R	52 54.323	-0.0008	18	-24 4 43.10	0.022	18	0.34	54.335	16	33.4	43.47	16	33.4	B8	J	14	10702	E -2311971
6		9.3R	52 54.360	-0.0008	15	-23 18 23.63	0.005	15	0.30	54.373	16	33.4	23.71	16	33.4	G0	M	14	10703	E -2210734
7		8.6R	52 58.153	-0.0055	18	-26 55 31.93	-0.060	18	0.34	58.244	16	33.4	30.93	16	33.4	K0	M	14	10705	E -2610605
8		9.2R	53 2.875	0.0007	18	-22 56 22.29	-0.004	18	0.34	2.864	16	33.4	22.22	16	33.4	K5	M	14	10706	E -2210737
9		9.5R	53 9.538	-0.0005	15	-24 4 3.93	-0.018	20	0.33	9.547	16	33.4	3.63	16	33.4	K5	M	14	10707	E -2311974
10		8.2A	53 20.274	0.0007	13	-20 11 16.26	-0.003	09	0.26	20.263	18	33.4	16.21	16	33.4	K0	J	12B	6194	A -19 3982
11		7.5R	53 21.519	0.0001	18	-29 45 32.89	0.038	18	0.34	21.518	16	33.4	33.52	16	33.4	F0	J	13B	9400	J -2911412
12		9.3R	53 25.512	-0.0080	20	-27 16 43.56	0.017	20	0.36	25.644	16	33.4	43.84	16	33.4	K0	M	13B	9401	J -2610609
13		8.0A	53 32.000	-0.0025	11	-21 47 2.98	0.002	09	0.23	32.041	16	33.4	3.02	16	33.4	K0	J	13A	6195	A -21 3994
14		9.2R	53 32.546	-0.0026	20	-25 34 10.82	-0.005	20	0.36	32.589	16	33.4	10.74	16	33.4	K0	J	14	10709	E -2510617
15		9.7R	53 35.502	-0.0052	18	-22 44 56.99	0.074	18	0.34	35.589	16	33.4	58.21	16	33.4	G0	M	14	10711	E -2210740
16		8.7R	53 36.669	-0.0008	15	-24 29 6.60	0.019	15	0.30	36.682	16	33.4	6.92	16	33.4	F5	J	14	10710	E -2411760
17		7.5R	53 37.346	-0.0041	18	-24 3 25.40	-0.012	18	0.34	37.414	16	33.4	25.21	16	33.4	K0	J	14	10712	E -2311977
18		9.0R	53 45.425	0.0008	20	-28 33 53.22	-0.019	20	0.36	45.412	16	33.4	52.90	16	33.4	K0	M	13B	9402	J -2811048
19		8.8A	53 46.133	-0.0024	17	-20 20 45.67	-0.006	00	0.25	46.172	16	33.4	45.57	16	33.4	F8	J	13A	6197	A -19 3984
20		8.5R	53 47.979	-0.0047	20	-29 49 59.26	-0.049	20	0.36	48.057	16	33.4	58.44	16	33.4	K0	J	13B	9403	J -2911415
21		9.4R	53 50.645	0.0005	18	-23 36 24.15	-0.021	18	0.34	50.637	16	33.4	23.81	16	33.4	F8	J	14	10713	E -2311979
22		9.1R	53 55.403	0.0006	20	-27 36 4.81	-0.032	20	0.36	55.393	16	33.4	4.28	16	33.4	F5	J	13B	9406	J -2710132
23		8.5R	53 55.915	-0.0020	20	-29 5 55.35	-0.035	20	0.36	55.948	16	33.4	54.77	16	33.4	K2	J	13B	9405	J -2811051
24		8.0A	53 57.733	-0.0036	15	-20 17 18.33	-0.053	11	0.27	57.792	16	33.4	17.45	16	33.4	G5	J	13A	6200	A -19 3987
25		6.8T	54 0.937	-0.0022	11	-26 5 2.25	-0.025	09	0.61	1.063	18	93.4	0.77	17	90.8	A0		GC	20095	C -2510619
26		8.9R	54 2.760	-0.0011	18	-24 10 1.97	-0.033	18	0.34	2.777	16	33.4	1.43	16	33.4	K0	M	14	10716	E -2311981
27		8.2R	54 2.850	0.0002	20	-26 36 3.20	-0.030	20	0.36	2.846	16	33.4	2.70	16	33.4	K0	J	14	10715	E -2610617
28		9.1R	54 8.516	-0.0006	18	-22 30 59.38	0.005	18	0.34	8.526	16	33.4	59.46	16	33.4	K0	M	14	10717	E -2210743
29		9.1R	54 12.152	0.0023	18	-27 23 30.03	-0.031	18	0.34	12.113	16	33.4	29.51	16	33.4	K2	M	13B	9407	J -2710134
30		6.2T	54 14.194	-0.0020	12	-28 57 24.52	-0.035	12	0.66	14.300	15	95.8	22.59	17	95.1	B9		GC	20103	C -2811055
31		9.2R	54 16.578	0.0006	18	-23 16 28.29	0.039	18	0.34	16.569	16	33.4	28.94	16	33.4	K0	M	14	10718	E -2210747
32		9.1R	54 16.679	0.0018	18	-22 47 17.17	0.002	18	0.34	16.650	16	33.4	17.20	16	33.4	K0	M	14	10719	E -2210748
33		9.1R	54 20.817	0.0006	18	-24 55 38.69	-0.011	18	0.34	20.808	16	33.4	38.51	16	33.4	G5	J	14	10720	E -2411769
34		9.4R	54 21.667	0.0000	17	-27 25 44.41	-0.014	17	0.32	21.663	16	33.4	44.17	16	33.4	K0	M	13B	9409	J -2710137
35		8.7R	54 24.451	-0.0022	15	-27 7 12.58	-0.044	15	0.30	24.487	16	33.4	11.84	16	33.4	A3	J	14	10721	E -2610622
36		9.0R	54 29.704	-0.0007	17	-29 1 6.52	-0.013	17	0.32	29.715	16	33.4	6.73	16	33.4	A0	J	13B	9411	J -2811059
37		8.7R	54 30.115	-0.0042	20	-27 51 22.46	-0.043	20	0.36	30.185	16	33.4	21.74	16	33.4	A0	J	13B	9412	J -2710139
38		8.7R	54 30.463	0.0005	18	-23 31 24.32	-0.024	18	0.34	30.455	16	33.4	23.91	16	33.4	K0	J	14	10722	E -2311986
39		8.9T	54 31.045	0.0696	07	-21 11 17.87	-1.668	07	0.40	27.383	12	97.4	-46.30	12	95.1	K5		GC	20111K	B*-20 4123
40		6.0H	54 32.439	0.0745	02	-21 11 28.39	-1.740	02	0.07	29.674	03	12.9	-24.41	04	13.2	K5		F4	1391	-20 4125
41		8.0T	54 32.816	-0.0094	17	-21 57 6.67	-0.091	16	0.79	33.246	19	04.4	2.33	18	02.1	F8		GC	20114	-21 4000
42		7.2T	54 36.067	0.0024	07	-25 14 28.76	0.006	07	0.41	35.937	15	94.6	29.09	15	92.5	A2		GC	20116	C -2411772
43		9.0R	54 43.798	0.0037	20	-24 50 20.38	-0.129	20	0.36	43.737	16	33.4	18.24	16	33.4	K0	J	14	10725	E -2411774
44		8.9R	54 45.344	0.0003	15	-26 49 26.36	-0.004	15	0.30	45.339	16	33.4	26.29	16	33.4	G5	J	14	10724	E -2610629
45		8.7R	54 46.211	0.0012	20	-28 55 27.73	-0.036	20	0.36	46.191	16	33.4	27.13	16	33.4	F5	J	13B	9413	J -2811060
46		8.9R	54 53.887	-0.0005	20	-28 21 55.99	0.014	20	0.36	53.896	16	33.4	56.22	16	33.4	K0	M	13B	9415	J -2811063
47		9.0R	54 55.970	0.0032	20	-29 1 39.87	-0.020	20	0.36	55.918	16	33.4	39.54	16	33.4	K0	M	13B	9416	J -2811062
48		9.2R	54 58.085	-0.0026	20	-22 46 10.13	-0.044	20	0.36	58.129	16	33.4	9.40	16	33.4	G5	M	14	10726	E -2210753
49		8.6R	54 58.090	-0.0029	20	-28 31 42.64	-0.005	20	0.36	58.138	16	33.4	42.55	16	33.4	G5	M	13B	9417	J -2811065
50		8.7R	54 58.407	-0.0085	18	-23 18 46.51	-0.068	15	0.32	58.549	16	33.4	45.38	16	33.4	G5	J	14	10727	E -2311990
51		9.1R	14 55 1.705	0.0044	18	-29 58 16.06	-0.108	18	0.34	1.632	16	33.4	14.27	16	33.4	F5	M	13B	9418	J -2911430
52		8.9R	55 10.680	0.0002	20	-28 9 47.36	0.003	20	0.36	10.676	16	33.4	47.41	16	33.4	F2	J	13B	9422	J -2710145
53		8.7R	55 13.629	-0.0007	15	-27 3 34.85	-0.022	15	0.30	13.641	16	33.4	34.48	16	33.4	K0	J	14	10728	E -2610632
54		9.1R	55 14.768	0.0004	18	-29 53 59.65	0.018	18	0.34	14.762	16	33.4	59.94	16	33.4	K0	M	13B	9423	J -2911435
55		8.9R	55 19.982	0.0033	20	-28 15 22.53	0.056	20	0.36	19.927	16	33.4	23.46	16	33.4	K5	J	13B	9425	J -2710146
56		8.0R	55 22.684	0.0015	12	-27 7 39.16	-0.003	12	0.25	22.659	16	33.4	39.11	16	33.4	G5	J	14	10729	E -2610633
57		7.5R	55 31.743	-0.0062	20	-28 30 32.52	-0.150	20	0.36	31.846	16	33.4	30.03	16	33.4	F8	J	13B	9426	J -2811070
58		5.7T	55 41.283	-0.0031	06	-27 27 28.17	-0.014	05	0.32	41.450	12	96.1	27.36	12	92.3	A5		GC	20140K	C*-2710148
59		9.0R	55 44.778	0.0011	17	-29 16 14.32	-0.036	17	0.32	44.761	16	33.4	13.72	16	33.4	A7	M	13B	9429	J -2811074
60		7.8A	55 48.132	-0.0071	11	-22 12 6.12	-0.044	09	0.23	48.250	16	33.4	5.39	16	33.4	F5	J	13A	6206	A -21 4004
61		8.5R	55 51.272	0.0004	18	-23 39 4.34	-0.046	18	0.34	51.265	16	33.4	3.58	16	33.4	K2	J	14	10732	E -2311994
62		8.8R	55 51.969	0.0001	20	-27 11 57.69	-0.009	20	0.36	51.967	16	33.4	57.54	16	33.4	A2	J	14	10731	E -2610642
63		9.1A	55 59.240	-0.0017	15	-20 40 5.98	-0.032	11	0.27	59.268	16	33.4	5.45	16	33.4	K2	J	13A	6207	A -20 4129
64		9.7R	56 2.774	-0.0006	21	-27 39 37.97	0.067	21	0.38	2.784	16	33.4	39.08	16	33.4	G0	M	13B	9430	J -2710151
65		9.1R	56 8.210	-0.0000	18	-27 27 19.98	-0.023	18	0.34	8.210	16	33.4	19.60	16	33.4	A0	J	13B	9433	J -2710154
66		9.5R	56 16.589	-0.0000	18	-25 56 10.13	0.006	18	0.34	16.590	16	33.4	10.23	16	33.4	F8	M	14	10734	E -2510636
67		9.1R	56 31.796	0.0011	15	-27 10 34.82	-0.019	15	0.30	31.778	16	33.4	34.50	16	33.4	K2	M	14	10735	E -2610650
68		8.8R	56 33.783	-0.0007	15	-23 5 0.87	-0.022	15	0.30	33.795	16	33.4	0.51	16	33.4	K0	J	14	10736	E -2210766
69		9.0R	56 53.167	-0.0014	20	-27 21 53.29	0.015	20	0.36	53.190	16	33.4	53.54	16	33.4	G0	J	13B	9440	J -2710162
70		8.8A	56 54.436	-0.0009	15	-20 58 50.94	0.020	11	0.27	54.451	16	33.4	51.27	16	33.4	A2	J	13A	6213	A -20 4134
71		9.0R	56 54.652	-0.0015	12	-25 34 47.44	-0.006	12	0.25	54.676	16	33.4	47.34	16	33.4	A5	J	14	10737	E -2510639
72		8.8Q	56 59.095	-0.0411	17	-21 48 26.72	-0.486	13	0.71	+ 0.913	18	05.8	4.05	17	03.3	F8		GC	20175	B*-21 4009
73		9.1R	57 1.970	-0.0020	17	-29 2 1.92	-0.005	17	0.32	2.004	16	33.4	1.84	16	33.4	A5	M	13B	9441	J -2811085
74		9.0R	57 18.885	-0.0017	15	-23 23 45.57	-0.016	18	0.32	18.913	16	33.4	45.30	16	33.4	F8	J	14	10740	E -2312009
75		8.8R	57 19.190	-0.0032	18	-24 9 8.94	-0.018	18	0.34	19.242	16	33.4	8.65	16	33.4	F5	J	14	10739	E -2312008
76		8.6R	57 22.395	-0.0022	20	-25 2 10.60	0.019	20	0.36	22.432	16	33.4	10.91	16	33.4	A5	M	14	10741	E -2411795
77		9.1R	57 25.072	-0.0136	18	-24 15 21.53	-0.053	18	0.34	25.298	16	33.4	20.64	16	33.4	M1	M	14	10742	E -2312010
78		9.4R	57 28.171	-0.0019	18	-23 45 52.79	-0.016	18	0.34	28.201	16	33.4	52.53	16	33.4	A7	M	14	10743	E -2312012
79		8.0R	57 36.995	0.0031	18	-22 39 5.84	0.008	18	0.34	36.944	16	33.4	5.97	16	33.4	M0	M	14	10744	E -2210778
80		9.1R	57 42.672	0.0008	18	-23 50 5.48	-0.012	18	0.34	42.659	16	33.4	5.29	16	33.4	F0	J	14	10745K	E -2312013
81		9.2R	57 52.929	-0.0005	18	-22 48 12.44	-0.001	18	0.34	52.937	16	33.4	12.42	16	33.4	K0	M	14	10746	E -2210781
82		9.1R	58 3.049	-0.0002	15	-23 51 10.99	-0.055	15	0.30	3.053	16	33.4	10.08	16	33.4	F2	J	14	10747	E -2312017
83		8.1R	58 7.140	-0.0002	18	-22 58 59.39	-0.007	18	0.34	7.143	16	33.4	59.27	16	33.4	G5	J	14	10748	E -2210782
84		8.5R	58 8.755	0.0017	18	-29 25 55.11	-0.035	18	0.34	8.726	16	33.4	54.53	16	33.4	G0	J	13B	9444	J -2911468
85		8.5R	58 13.627	-0.0021	18	-24 57 7.38	-0.040	18	0.34	13.662	16	33.4	6.71	16	33.4	K5	J	14	10749	E -2411803
86		9.1R	58 15.465	0.0011	15	-28 5 33.44	-0.002	15	0.30	15.446	16	33.4	33.40	16	33.4	K0	M	13B	9445	J -2710173
87		8.9R	58 22.167	0.0006	18	-24 12 24.82	-0.023	18	0.34	22.156	16	33.4	24.44	16	33.4	K5	J	14	10750	E -2312018
88		8.9R	58 25.377	-0.0005	12	-26 46 11.77	0.016	12	0.25	25.385	16	33.4	12.03	16	33.4	F8	J	14	10751	E -2610664
89		9.4R	58 25.928	-0.0008	18	-23 30 10.67	-0.026	18	0.34	25.941	16	33.4	10.25	16	33.4	G5	J	14	10752	E -2312019
90		9.0A	58 34.728	-0.0006	13	-22 2 11.31	0.005	09	0.25	34.737	16	33.4	11.40	16	33.4	K2	J	13A	6222	A -21 4011
91		8.9R	58 37.621	-0.0065	17	-28 35 51.18	0.030	17	0.32	37.729	16	33.4	51.67	16	33.4	G0	M	13B	9447	J -2811099
92		9.0A	58 38.438	-0.0005	17	-20 54 44.50	-0.070	13	0.30	38.446	16	33.4	43.34	16	33.4	G5	J	13A	6223	A -20 4137
93		8.5R	58 46.022	-0.0013	12	-24 52 18.71	-0.015	12	0.25	46.043	16	33.4	18.46	16	33.4	A2	J	14	10754	E -2411805
94		8.4R	58 48.926	-0.0103	12	-26 0 2.70	-0.012	12	0.25	49.098	16	33.4	2.50	16	33.4	F8	J	14	10755	E -2510661
95		9.0A	58 51.667	-0.0013	15	-21 2 20.23	-0.009	11	0.27	51.689	16	33.4	20.09	16	33.4	K0	J	13A	6226	A -20 4138
96		8.7R	58 58.110	-0.0027	18	-27 31 56.19	-0.039	18	0.34	58.155	16	33.4	55.54	16	33.4	G0	J	13B	9453	J -2710180
97		9.3R	59 0.571	-0.0035	18	-29 55 25.23	-0.006	18	0.34	0.628	16	33.4	25.13	16	33.4	F8	M	13B	9454	J -2911477
98		8.9R	59 3.715	-0.0009	20	-27 56 37.97	0.018	20	0.36	3.730	16	33.4	38.27	16	33.4	A2	M	13B	9455	J -2710182
99		5.9T	59 7.228	0.0071	06	-27 51 49.82	-0.041	05	0.25	6.925	09	07.5	47.93	10	04.0	A5		GC	20209	C*-2710183
00		8.8A	59 10.682	-0.0007	20	-20 15 36.55	0.011	15	0.33	10.694	16	33.4	36.73	16	33.4	G5	J	13A	6227	A -19 4003

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14H

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NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	-20° 14H DM NUMBER
1		8.7R	14 59 18.235	-0.0000	12	-25 39 36.78	-0.004	12	0.25	18.236	16	33.4	36.71	16	33.4	K5 J	14	10756	E -2510669
2		9.2R	59 23.412	-0.0021	17	-28 50 26.11	-0.054	17	0.32	23.448	16	33.4	25.21	16	33.4	A5 M	13B	9458	J -2811106
3		8.9A	59 25.118	-0.0023	18	-21 42 33.67	0.013	13	0.31	25.156	16	33.4	33.89	16	33.4	K0 J	13A	6229	A -21 4013
4		8.6R	59 27.975	-0.0027	12	-27 12 19.73	-0.026	12	0.25	28.020	16	33.4	19.29	16	33.4	G0 J	13B	9460	J -2811099
5		9.1R	59 29.338	-0.0001	18	-25 11 40.09	-0.028	18	0.34	29.340	16	33.4	39.62	16	33.4	F8 M	14	10757	E -2411815
6		9.1R	59 29.668	0.0007	20	-29 8 16.10	-0.037	20	0.36	29.656	16	33.4	15.48	16	33.4	G0 M	13B	9459	J -2811107
7		9.1R	59 32.306	-0.0021	18	-23 18 21.20	-0.008	18	0.34	32.342	16	33.4	21.06	16	33.4	K0 M	14	10758	E -2210794
8		7.9A	59 37.138	0.0017	18	-21 49 4.99	0.019	13	0.31	37.109	16	33.4	5.31	16	33.4	K0 J	13A	6230	A -21 4015
9		8.7R	59 38.066	0.0018	18	-23 50 12.49	-0.028	18	0.34	38.036	16	33.4	12.03	16	33.4	K2 J	14	10759	E -2312025
10		8.5R	59 40.926	-0.0034	12	-28 48 31.39	0.026	12	0.25	40.982	16	33.4	31.82	16	33.4	F5 J	13B	9461	J -2811109
11		8.5R	59 46.751	-0.0007	15	-24 53 33.88	0.019	18	0.32	46.763	16	33.4	34.19	16	33.4	K5 J	14	10760	E -2411818
12		8.7R	59 50.977	0.0022	20	-28 25 13.36	0.047	20	0.36	50.941	16	33.4	14.14	16	33.4	A0 J	13B	9463	J -2811110
13		8.6A	59 53.268	-0.0089	20	-21 38 3.85	0.016	15	0.33	53.415	16	33.4	4.12	16	33.4	G5 J	13A	6231	A -21 4016
14		8.7R	59 56.244	0.0015	18	-22 55 8.83	-0.047	18	0.34	56.220	16	33.4	8.05	16	33.4	K0 J	14	10763	E -2210798
15		8.4R	59 56.623	-0.0008	18	-23 48 21.91	-0.052	18	0.34	56.636	16	33.4	21.05	16	33.4	K0 J	14	10762	E -2312026
16		8.7R	59 57.009	0.0033	20	-28 37 37.91	-0.017	20	0.36	56.954	16	33.4	37.63	16	33.4	K0 M	13B	9464	J -2811111
17		8.7R	59 58.839	-0.0024	18	-29 51 54.15	-0.002	18	0.34	58.878	16	33.4	54.11	16	33.4	A2 M	13B	9465	J -2911485
18		9.0R	59 59.580	0.0012	18	-27 42 45.42	-0.038	18	0.34	59.560	16	33.4	44.79	16	33.4	K2 J	13B	9466	J -2710187
19		9.3A	15 0 1.411	0.0005	15	-21 12 46.93	-0.010	11	0.27	1.403	16	33.4	46.77	16	33.4	K5 J	13A	6237	A -20 4142
20		9.5R	0 1.554	-0.0024	18	-22 29 56.59	-0.013	18	0.34	1.594	16	33.4	56.38	16	33.4	K0 J	14	10764	E -2210799
21		9.3R	0 4.622	-0.0004	18	-29 46 43.13	0.023	18	0.34	4.628	16	33.4	43.50	16	33.4	F5 M	13B	9467	J -2911486
22		9.1R	0 11.313	-0.0004	18	-23 2 41.32	0.016	18	0.34	11.319	16	33.4	41.59	16	33.4	K5 J	14	10765	E -2210800
23		9.0R	0 13.578	0.0019	20	-27 58 56.53	0.034	20	0.36	13.546	16	33.4	37.09	16	33.4	G5 J	13B	9468	J -2710190
24		9.0R	0 22.299	-0.0006	18	-29 37 42.61	-0.020	18	0.34	22.309	16	33.4	42.27	16	33.4	A3 J	13B	9469	J -2911491
25		9.0R	0 25.498	-0.0028	18	-25 35 46.16	-0.006	18	0.34	25.545	16	33.4	46.06	16	33.4	K5 J	14	10766	E -2510682
26		8.5R	0 26.134	-0.0001	20	-28 51 8.83	0.009	20	0.36	26.136	16	33.4	8.98	16	33.4	A0 J	13B	9470	J -2811118
27		9.1R	0 28.010	-0.0036	18	-29 57 10.33	-0.034	18	0.34	28.070	16	33.4	9.75	16	33.4	A2 J	13B	9472	J -2911493
28		8.7T	0 35.959	0.0109	13	-27 38 45.04	-0.145	12	0.70	35.389	18	97.8	37.09	18	95.2		GC	20243K	C -2710194
29		8.4T	0 36.334	0.0113	13	-27 38 38.78	-0.152	14	0.74	35.751	19	98.5	31.01	21	98.9	G0	GC	20244K	C*-2710194
30		8.1R	0 38.326	-0.0013	18	-29 39 11.44	0.003	18	0.34	38.347	16	33.4	11.49	16	33.4	G5 J	13B	9475	J -2911497
31		9.4R	0 42.467	0.0049	18	-24 24 3.23	0.005	18	0.34	42.385	16	33.4	3.32	16	33.4	G5 M	14	10768	E -2411827
32		9.1R	0 46.627	0.0040	20	-28 31 26.80	-0.018	20	0.36	46.561	16	33.4	26.50	16	33.4	K2 M	13B	9478	J -2811123
33		9.0R	0 48.098	-0.0054	20	-29 1 57.63	-0.054	20	0.36	48.188	16	33.4	56.73	16	33.4	F8 M	13B	9479	J -2911125
34		9.3R	0 49.545	-0.0062	20	-26 25 9.47	0.007	20	0.36	49.649	16	33.4	9.58	16	33.4	F5 M	14	10769	E -2610684
35		8.9R	0 52.651	-0.0027	18	-23 16 57.05	-0.066	18	0.34	52.697	16	33.4	55.95	16	33.4	K5 J	14	10770	E -2210808
36		8.8R	0 57.350	-0.0012	18	-22 19 26.42	-0.023	18	0.34	57.369	16	33.4	26.04	16	33.4	K0 J	14	10771	E -2210809
37		9.1R	0 59.841	-0.0031	18	-29 40 50.56	-0.019	18	0.34	59.893	16	33.4	50.17	16	33.4	K0 M	13B	9481	J -2911506
38		7.7T	1 2.807	0.0029	17	-27 52 0.15	0.004	17	0.83	2.668	22	02.7	0.34	22	02.5	F2	GC	20251	C*-2710196
39		3.4H	1 8.247	-0.0054	01	-25 5 12.27	-0.047	01	0.05	8.442	02	13.6	10.51	03	12.2	M3	F4	556	C -2811834
40		8.5R	1 26.768	-0.0016	18	-29 46 10.51	-0.038	18	0.34	26.795	16	33.4	9.88	16	33.4	F8 J	13B	9484	J -2911512
41		8.5R	1 27.479	0.0012	18	-23 57 0.64	-0.041	18	0.34	27.459	16	33.4	59.95	16	33.4	F5 J	14	10773	E -2312040
42		9.4R	1 27.486	0.0018	18	-22 22 22.76	0.002	18	0.34	27.455	16	33.4	22.80	16	33.4	F8 M	14	10774	E -2210811
43		9.0R	1 27.667	0.0017	20	-29 4 48.86	-0.042	20	0.36	27.639	16	33.4	48.16	16	33.4	K0 M	13B	9485	J -2811135
44		8.7R	1 27.780	-0.0010	20	-28 47 8.85	-0.008	20	0.36	27.797	16	33.4	8.72	16	33.4	G5 J	13B	9486	J -2811134
45		7.2T	1 33.398	0.0018	12	-28 6 17.98	-0.039	11	0.62	33.304	18	98.8	15.87	18	96.0	G0	GC	20264	C -2710200
46		9.5R	1 35.394	0.0037	18	-24 22 0.07	-0.007	18	0.34	35.333	16	33.4	59.96	16	33.4	K0 M	14	10775	E -2411837
47		8.4R	1 41.295	-0.0045	18	-26 52 29.76	-0.035	18	0.34	41.369	16	33.4	29.18	16	33.4	F5 J	14	10776	E -2610695
48		8.7R	1 47.277	-0.0032	17	-28 49 17.21	-0.087	17	0.32	47.330	16	33.4	15.76	16	33.4	K5 J	13B	9491	J -2811139
49		8.6A	2 2.217	-0.0006	11	-22 1 41.20	-0.009	09	0.23	2.227	16	33.4	41.06	16	33.4	K0 J	13A	6241	A -21 4024
50		9.4A	2 3.060	-0.0013	18	-22 58 29.13	0.000	13	0.31	3.082	16	33.4	29.13	16	33.4	F0 J	13A	6240	A -22 3894
51		9.5R	15 2 8.172	0.0025	18	-22 59 11.10	0.013	18	0.34	8.130	16	33.4	11.32	16	33.4	F0 J	14	10777	E -2210818
52		9.3R	2 15.211	0.0028	15	-23 37 32.39	0.012	15	0.30	15.165	16	33.4	32.59	16	33.4	F8 J	14	10778	E -2312047
53		7.2T	2 16.963	-0.0009	14	-29 47 46.76	-0.011	13	0.72	17.009	18	00.4	46.17	18	98.0	K0	GC	20284	C -2911523
54		9.0R	2 19.488	0.0020	18	-29 49 55.06	-0.029	18	0.34	19.455	16	33.4	54.57	16	33.4		13B	9494	J -2911524
55		8.0R	2 22.787	-0.0009	18	-22 49 10.53	0.002	18	0.34	22.801	16	33.4	10.56	16	33.4	B9 J	14	10780	E -2210823
56		8.3R	2 24.789	-0.0071	15	-26 39 27.39	-0.052	15	0.30	24.907	16	33.4	26.52	16	33.4	F8 J	14	10779	E -2610700
57		8.3R	2 25.211	0.0023	18	-23 34 58.21	-0.006	18	0.34	25.173	16	33.4	58.11	16	33.4	K0 J	14	10781	E -2312049
58		9.4R	2 26.826	-0.0027	18	-22 47 47.00	-0.046	18	0.34	26.871	16	33.4	46.24	16	33.4	F8 M	14	10782	E -2210824
59		9.5R	2 32.156	-0.0021	15	-23 29 23.09	-0.054	15	0.30	32.191	16	33.4	22.19	16	33.4	F8 M	14	10783	E -2312052
60		8.3R	2 40.286	-0.0003	12	-28 31 17.97	0.028	12	0.25	40.291	16	33.4	18.43	16	33.4	F2 J	13B	9497	J -2811147
61		9.1R	2 43.470	0.0010	15	-26 11 1.91	-0.017	15	0.30	43.454	16	33.4	1.63	16	33.4	M3 M	14	10784	E -2510708
62		8.9R	2 48.289	-0.0001	15	-26 3 4.57	0.006	15	0.30	48.291	16	33.4	4.67	16	33.4	K0 J	14	10785	E -2510709
63		6.6T	2 50.794	-0.0001	11	-25 35 46.46	-0.024	09	0.56	50.801	15	97.0	45.04	15	90.8	B8	GC	20292	C -2510710
64		8.2R	2 53.689	-0.0005	18	-22 46 37.89	0.002	18	0.34	53.698	16	33.4	37.92	16	33.4	K0 J	14	10787	E -2210829
65		9.2R	2 56.343	0.0035	18	-24 59 10.35	0.002	18	0.34	56.286	16	33.4	10.37	16	33.4	A3 J	14	10788	E -2411848
66		8.2A	2 57.059	-0.0007	18	-20 13 19.66	0.010	13	0.31	57.072	16	33.4	19.82	16	33.4	A0 J	13A	6248	A -19 4019
67		8.6R	3 7.356	-0.0030	15	-28 5 45.55	-0.166	15	0.30	7.407	16	33.4	42.80	16	33.4	G5 J	13B	9500	J -2710212
68		6.9A	3 9.562	0.0008	15	-22 12 39.66	-0.006	11	0.27	9.549	16	33.4	39.57	16	33.4	K0 J	13A	6249	A -21 4028
69		9.1R	3 12.400	-0.0022	15	-25 51 48.79	-0.024	15	0.30	12.436	16	33.4	48.39	16	33.4	F5 J	14	10789	E -2510713
70		6.9T	3 15.332	0.0001	09	-23 56 15.29	-0.084	07	0.45	15.327	14	96.2	10.43	12	91.8	G5	GC	20298	C -2312059
71		7.1T	3 17.130	-0.0030	05	-23 7 48.19	-0.027	05	0.26	17.269	10	03.4	46.88	10	01.5	F2	GC	20299	-22 3951
72		8.1R	3 24.125	0.0039	12	-25 54 51.59	-0.054	12	0.25	24.061	16	33.4	50.69	16	33.4	K2 J	14	10792	E -2510716
73		8.8R	3 27.403	-0.0022	18	-23 46 44.10	-0.002	18	0.34	27.439	16	33.4	44.06	16	33.4	A2 J	14	10793	E -2312060
74		9.3R	3 31.415	0.0002	15	-25 49 36.39	0.005	15	0.30	31.411	16	33.4	36.47	16	33.4	A3 J	14	10794	E -2510718
75		8.7A	3 32.982	-0.0010	18	-21 39 37.13	0.045	13	0.31	32.999	16	33.4	37.88	16	33.4	G5 J	13A	6253	A -21 4029
76		6.1T	3 33.658	0.0045	07	-21 50 19.32	-0.062	07	0.33	33.462	07	06.1	16.68	07	07.2	K0	GC	20305	-21 4030
77		9.4R	3 33.899	0.0021	18	-24 38 5.00	0.023	18	0.34	33.865	16	33.4	5.38	16	33.4	F8 M	14	10795	E -2411856
78		9.2R	3 37.125	-0.0014	18	-24 50 47.41	-0.003	18	0.34	37.148	16	33.4	47.35	16	33.4	G5 M	14	10796	E -2411857
79		9.2R	3 41.952	-0.0039	18	-25 6 7.10	-0.002	18	0.34	42.017	16	33.4	7.07	16	33.4	G5 J	14	10797	E -2411858
80		9.1A	3 43.891	0.0007	18	-21 53 36.67	-0.045	13	0.31	43.879	16	33.4	35.93	16	33.4	K2 J	13A	6256	A -21 4032
81		8.8R	3 44.295	0.0014	15	-23 34 38.22	-0.019	15	0.30	44.271	16	33.4	37.91	16	33.4	G0 J	14	10798	E -2312062
82		8.7R	3 48.721	0.0032	18	-27 29 0.64	-0.002	18	0.34	48.668	16	33.4	0.60	16	33.4	K5 M	13B	9504	J -2710214
83		8.0R	3 53.079	-0.0011	12	-26 37 58.07	-0.040	12	0.25	53.096	16	33.4	57.40	16	33.4	K2 J	14	10799	E -2610715
84		8.9A	3 54.062	-0.0028	17	-20 0 39.97	-0.058	13	0.30	54.109	18	33.4	39.00	16	33.4	G0 J	12B	6258	A -19 4024
85		8.8R	3 57.072	0.0032	18	-23 25 52.87	-0.077	18	0.34	57.019	16	33.4	51.59	16	33.4	G5 J	14	10801	E -2312063
86		9.0R	3 57.934	-0.0090	20	-26 29 37.20	0.037	20	0.36	58.083	16	33.4	37.81	16	33.4	G5 J	14	10800	E -2610711
87		8.7R	4 3.656	-0.0016	15	-27 55 55.54	0.008	15	0.30	3.683	16	33.4	55.67	16	33.4	K5 J	13B	9509	J -2710217
88		8.2R	4 6.134	-0.0039	12	-28 37 49.95	0.009	12	0.25	6.199	16	33.4	50.10	16	33.4	F5 J	13B	9511	J -2811165
89		8.1R	4 9.542	-0.0007	15	-27 17 6.89	-0.026	15	0.30	9.553	16	33.4	6.45	16	33.4	A5 J	13B	9512	J -2610714
90		9.3R	4 11.129	-0.0032	18	-24 8 48.36	-0.002	18	0.34	11.182	16	33.4	48.32	16	33.4	F0 M	14	10802	E -2312064
91		8.2R	4 13.947	-0.0024	18	-29 18 44.03	-0.033	18	0.34	13.987	16	33.4	43.48	16	33.4	F0 J	13B	9513	J -2911538
92		9.3R	4 17.202	0.0029	18	-29 32 23.77	-0.055	18	0.34	17.154	16	33.4	22.85	16	33.4	F8 M	13B	9514	J -2911540
93		7.4T	4 21.045	-0.0001	09	-24 0 7.69	0.005	07	0.45	21.052	10	00.1	7.98	12	96.9	G5	GC	20323	C -2312067
94		8.5A	4 26.087	-0.0021	15	-20 1 51.75	0.004	11	0.27	26.121	18	33.4	51.81	16	33.4	K5 J	12B	6259	A -19 4027
95		8.7A	4 33.906	0.0000	17	-20 30 43.45	-0.054	13	0.30	33.955	16	33.4	42.56	16	33.4	F8 J	13A	6260	A -20 4151
96		8.3R	4 39.979	-0.0043	20	-28 41 47.98	-0.078	20	0.36	40.052	16	33.4	46.68	16	33.4	F2 J	13B	9517	J -2811170
97		9.2R	4 54.077	-0.0011	18	-22 30 24.93	-0.054	18	0.34	54.095	16	33.4	24.03	16	33.4	F8 J	14	10807	E -2210846
98		8.2R	4 55.103	-0.0003	18	-25 2 49.99	-0.040	18	0.34	55.108	16	33.4	49.33	16	33.4	F0 J	14	10806	E -2411867
99		8.3R	5 5.486	-0.0018	12	-29 0 40.34	0.013	12	0.25	5.516	16	33.4	40.55	16	33.4	A5 J	13B	9519	J -2811173
00		9.6R	5 15.886	-0.0028	18	-23 46 51.35	-0.028	18	0.34	15.931	16	33.4	50.89	16	33.4	G0 J	14	10809	E -2312078

183200

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	EPOCH 1950 μ s	EPOCH 1950 σ_μ ″.001	EPOCH 1950 δ_{1950} ° ′ ″	EPOCH 1950 μ' ″	EPOCH 1950 $\sigma_{\mu'}$ ″.001	EPOCH 1950 σ_{1950} ″	ORIGINAL EPOCH α_2 s	ORIGINAL EPOCH σ ″.01	ORIGINAL EPOCH ep.	ORIGINAL EPOCH δ_2 ″	ORIGINAL EPOCH σ' ″.01	ORIGINAL EPOCH ep.	SP.		SOURCE CAT.	SOURCE STAR NUMBER	DM NUMBER
1		8.6R	15 5 19.941	0.0004	12	-28 24 28.86	-0.024	12	0.25	19.934	16	33.4	28.46	16	33.4	A5	J	13B	9522	J -2811175
2		8.6R	5 22.388	-0.0086	12	-28 23 11.67	0.009	12	0.25	22.521	16	33.4	11.82	16	33.4	K0	M	13B	9523	J -2811176
3		8.1T	5 24.213	-0.0070	12	-26 31 30.00	-0.063	12	0.67	24.577	21	98.2	26.63	19	96.5	K2		GC	20354	C -2610722
4		8.5A	5 28.136	-0.0009	18	-21 54 23.17	0.000	13	0.31	28.151	16	33.4	23.18	16	33.4	K2	J	13A	6263	A -21 4036
5		9.0R	5 34.097	0.0005	18	-25 13 25.66	-0.019	18	0.34	34.089	16	33.4	25.34	16	33.4	G5	J	14	10811	E -2411874
6		8.0R	5 41.819	-0.0006	12	-29 10 27.82	-0.005	12	0.25	41.828	16	33.4	27.73	16	33.4	F5	J	13B	9524	J -2811179
7		9.1R	5 49.659	0.0004	18	-28 17 18.49	-0.064	18	0.34	49.653	16	33.4	17.43	16	33.4	F5	J	13B	9526	J -2710232
8		8.8R	5 51.455	-0.0006	15	-25 7 44.19	-0.002	15	0.30	51.466	16	33.4	44.15	16	33.4	F0	J	14	10812	E -2411877
9		8.1A	5 55.309	0.0005	15	-20 30 14.55	-0.021	11	0.27	55.301	16	33.4	14.21	16	33.4	K2	J	13A	6266	A -20 4157
10		7.9R	5 58.517	-0.0024	18	-22 52 32.84	-0.016	18	0.34	58.557	16	33.4	32.57	16	33.4	M2	M	14	10814	E -2210852
11		7.1T	5 59.653	0.0019	11	-26 18 24.77	-0.002	11	0.61	59.551	19	95.2	24.66	19	94.7	M0		GC	20366	C*-2610730
12		8.6R	6 2.110	-0.0042	18	-23 0 26.31	-0.008	18	0.34	2.180	16	33.4	26.17	16	33.4	K5	J	14	10816	E -2210853
13		8.4R	6 2.583	-0.0054	18	-24 51 49.04	0.012	18	0.34	2.673	16	33.4	49.23	16	33.4	F8	J	14	10815	E -2411878
14		9.0A	6 3.171	-0.0007	15	-22 12 3.21	0.009	11	0.27	3.182	16	33.4	3.36	16	33.4	K0	J	13A	6269	A -21 4039
15		7.7R	6 4.539	0.0032	12	-28 10 19.88	0.002	12	0.25	4.486	16	33.4	19.91	16	33.4	A3	J	13B	9530	J -2710236
16		9.0A	6 8.807	-0.0040	18	-21 32 7.19	-0.008	13	0.31	8.874	16	33.4	7.06	16	33.4	F0	J	13A	6270	A -21 4040
17		9.0A	6 9.027	-0.0026	17	-20 12 44.26	-0.015	13	0.30	9.070	16	33.4	44.01	16	33.4	F0	J	13A	6271	A -19 4033
18		9.6R	6 9.140	-0.0044	21	-26 57 1.66	-0.030	21	0.38	9.213	16	33.4	1.16	16	33.4	F0	M	14	10817	E -2610732
19		9.0A	6 11.252	-0.0006	18	-22 3 0.43	-0.004	13	0.31	11.262	16	33.4	0.37	16	33.4	F8	J	13A	6272	A -21 4041
20		8.9A	6 13.242	-0.0080	18	-22 1 45.89	-0.216	13	0.31	13.375	16	33.4	42.30	16	33.4	G0	J	13A	6273	A -21 4042
21		8.5R	6 23.807	-0.0012	12	-25 29 28.56	-0.019	12	0.25	23.828	16	33.4	28.24	16	33.4	G5	J	14	10818	E -2510743
22		9.4R	6 30.312	0.0003	18	-22 26 47.09	-0.001	18	0.34	30.307	16	33.4	47.08	16	33.4	K2	M	14	10821	E -2210855
23		9.2R	6 32.074	0.0007	18	-24 28 12.68	-0.012	18	0.34	32.063	16	33.4	12.49	16	33.4	K2	M	14	10820	E -2411886
24		8.9R	6 32.386	0.0009	17	-29 14 51.10	-0.005	17	0.32	32.371	16	33.4	51.01	16	33.4	K2	M	13B	9531	J -2811187
25		9.4R	6 34.196	-0.0032	17	-27 6 13.89	0.058	17	0.32	34.249	16	33.4	14.85	16	33.4	A3	M	14	10819	E -2610737
26		9.1A	6 38.432	-0.0078	17	-21 22 31.50	-0.163	13	0.30	38.562	16	33.4	28.80	16	33.4	G5	J	13A	6276	A -21 4044
27		9.1R	6 46.365	-0.0000	15	-25 55 33.08	-0.022	15	0.30	46.366	16	33.4	32.71	16	33.4	F8	J	14	10822	E -2510750
28		8.5R	6 50.047	0.0022	17	-29 38 52.23	0.029	17	0.32	50.010	16	33.4	52.71	16	33.4	F8	J	13B	9534	J -2911560
29		8.6A	6 52.595	-0.0005	15	-21 33 5.10	-0.018	11	0.27	52.602	16	33.4	4.80	16	33.4	G5	J	13A	6278	A -21 4045
30		8.8R	6 54.881	0.0004	20	-29 12 27.09	0.006	20	0.36	54.873	16	33.4	27.18	16	33.4	K0	M	13B	9535	J -2811191
31		6.8T	6 55.925	-0.0017	04	-23 47 45.70	-0.024	04	0.24	56.011	09	99.6	44.38	09	96.2	K5		GC	20383	C*-2312101
32		7.7A	6 56.734	-0.0023	17	-20 19 49.52	-0.056	13	0.30	56.772	16	33.4	48.58	16	33.4	F0	J	13A	6279	A -19 4036
33		9.1R	7 5.519	-0.0021	18	-26 13 32.61	-0.014	18	0.34	5.555	16	33.4	32.38	16	33.4	K2	M	14	10824	E -2510754
34		8.1R	7 6.219	-0.0053	18	-22 31 51.38	-0.061	18	0.34	6.308	16	33.4	50.37	16	33.4	F5	J	14	10825	E -2210861
35		9.0R	7 11.253	-0.0034	20	-28 28 37.99	-0.025	20	0.36	11.309	16	33.4	37.57	16	33.4	A2	M	13B	9537	J -2811196
36		9.5R	7 14.640	0.0056	18	-23 30 47.74	-0.038	18	0.34	14.547	16	33.4	47.11	16	33.4	G5	M	14	10826	E -2312105
37		5.9T	7 20.795	-0.0023	07	-26 8 36.21	-0.014	06	0.29	20.900	07	04.8	35.57	07	04.2	K0		GC	20389	C -2510758
38		8.9R	7 43.378	-0.0022	20	-29 57 21.57	-0.026	20	0.36	43.415	16	33.4	21.13	16	33.4	K0	M	13B	9542	J -2911570
39		9.4R	7 44.645	-0.0032	20	-28 13 43.33	-0.025	20	0.36	44.699	16	33.4	42.91	16	33.4	K0	M	13B	9543	J -2710252
40		8.6R	7 45.202	0.0004	12	-25 46 33.63	-0.025	12	0.25	45.196	16	33.4	33.22	16	33.4	K0	J	14	10828	E -2510764
41		9.3R	7 56.022	-0.0001	18	-23 22 50.24	-0.024	18	0.34	56.023	16	33.4	49.84	16	33.4	K5	J	14	10829	E -2312110
42		9.3R	7 58.999	0.0018	12	-23 49 56.02	-0.009	12	0.25	58.970	16	33.4	55.88	16	33.4	F0	J	14	10830	E -2312111
43		9.1A	8 0.531	-0.0033	15	-21 51 32.32	-0.009	09	0.26	0.586	16	33.4	32.18	16	33.4	A5	J	13A	6284	A -21 4047
44		9.0R	8 3.211	-0.0001	20	-29 11 55.85	-0.031	20	0.36	3.213	16	33.4	55.33	16	33.4	A0	M	13B	9546	J -2811203
45		8.3T	8 11.264	-0.0040	10	-21 53 19.07	-0.035	08	0.52	11.475	18	97.9	17.18	17	95.3	F0		GC	20404	-21 4048
46		9.0R	8 19.263	0.0033	18	-23 14 5.17	-0.039	18	0.34	19.208	16	33.4	4.52	16	33.4	K0	M	14	10832	E -2210871
47		9.2R	8 19.860	0.0016	18	-24 32 6.27	-0.022	18	0.34	19.833	16	33.4	5.90	16	33.4	K5	M	14	10831	E -2411898
48		8.9R	8 25.159	-0.0022	12	-27 8 6.09	-0.024	12	0.25	25.195	16	33.4	5.69	16	33.4	K2	J	14	10833	E -2610749
49		8.4R	8 25.398	-0.0049	15	-27 16 48.59	-0.045	15	0.30	25.478	16	33.4	47.84	16	33.4	G5	J	13B	9550	J -2610748
50		9.1R	8 35.195	-0.0031	18	-24 29 6.92	0.015	18	0.34	35.247	16	33.4	7.16	16	33.4	G0	J	14	10834	E -2411902
51		9.1R	15 8 35.982	-0.0038	18	-28 13 28.49	-0.047	18	0.34	36.046	16	33.4	27.71	16	33.4	K2	M	13B	9551	J -2710260
52		9.2A	8 37.810	-0.0009	17	-20 30 2.23	-0.037	13	0.30	37.825	16	33.4	1.62	16	33.4	G0	J	13A	6287	A -20 4163
53		9.1A	8 40.097	-0.0021	17	-21 7 20.09	-0.023	13	0.30	40.131	16	33.4	19.71	16	33.4	F5	J	13A	6288	A -20 4164
54		9.6R	8 42.504	0.0023	15	-23 26 36.08	0.002	15	0.30	42.467	16	33.4	36.11	16	33.4	A5	M	14	10835	E -2312121
55		9.1R	8 52.457	-0.0094	18	-24 26 52.41	0.040	18	0.34	52.613	16	33.4	53.08	16	33.4	F8	J	14	10836K	E -2411905
56		9.2R	8 59.432	-0.0024	18	-25 15 50.02	-0.002	18	0.34	59.472	16	33.4	49.99	16	33.4	F5	J	14	10837	E -2411907
57		9.2A	9 9.173	-0.0012	18	-20 56 21.04	-0.035	13	0.31	9.194	16	33.4	20.46	16	33.4	G5	J	13A	6289	A -20 4167
58		8.8A	9 12.045	0.0008	13	-22 10 35.86	0.013	09	0.25	12.031	16	33.4	36.08	16	33.4	K5	J	13A	6290	A -21 4050
59		9.2R	9 12.054	-0.0009	20	-29 17 31.78	-0.004	20	0.36	12.069	16	33.4	31.71	16	33.4	K2	M	13B	9555	J -2911585
60		9.1A	9 12.884	-0.0004	18	-20 33 51.69	-0.015	12	0.30	12.891	16	33.4	51.45	16	33.4	M	J	13A	6291	A -20 4169
61		9.4R	9 21.380	-0.0007	15	-25 26 3.30	-0.027	15	0.30	21.392	16	33.4	2.85	16	33.4	G5	J	14	10838	E -2510779
62		9.2R	9 25.834	0.0012	18	-23 9 26.91	-0.023	18	0.34	25.815	16	33.4	26.53	16	33.4	A5	J	14	10839	E -2210882
63		8.8A	9 42.669	-0.0065	20	-20 45 32.58	-0.123	12	0.31	42.777	16	33.4	30.54	16	33.4	K0	J	13A	6295	A -20 4170
64		8.2R	9 46.880	0.0012	12	-25 29 33.14	-0.017	12	0.25	46.860	16	33.4	52.86	16	33.4	K0	J	14	10841	E -2510785
65		8.8R	9 56.081	0.0004	18	-23 2 57.83	0.012	18	0.34	56.075	16	33.4	58.03	16	33.4	G5	J	14	10842	E -2210887
66		9.2R	10 4.068	-0.0001	18	-24 50 9.82	0.004	18	0.34	4.069	16	33.4	9.88	16	33.4	K2	M	14	10843	E -2411918
67		8.7R	10 10.412	0.0005	20	-28 34 30.30	0.028	20	0.36	10.403	16	33.4	30.76	16	33.4	M	M	13B	9560	J -2811220
68		9.3R	10 14.952	0.0014	15	-23 40 25.03	-0.039	15	0.30	14.928	16	33.4	24.39	16	33.4	G5	M	14	10844	E -2312130
69		6.4T	10 21.716	-0.0008	09	-23 49 17.72	-0.024	08	0.49	21.759	15	96.6	16.33	15	93.2	B9		GC	20453	C*-2312133
70		9.3R	10 22.808	0.0021	18	-23 58 57.00	-0.012	18	0.34	22.772	16	33.4	56.81	16	33.4	K2	J	14	10846	E -2312134
71		9.1R	10 24.771	-0.0012	18	-25 56 37.77	-0.032	18	0.34	24.791	16	33.4	37.24	16	33.4	K0	J	14	10847	E -2510795
72		8.8A	10 25.556	0.0001	17	-20 4 1.63	-0.072	12	0.29	25.554	18	33.4	0.43	16	33.4	F8	J	12B	6299K	A -19 4054
73		9.0R	10 25.975	-0.0033	20	-29 3 36.86	-0.037	20	0.36	26.030	16	33.4	36.24	16	33.4	F8	M	13B	9563	J -2811223
74		9.1R	10 26.076	-0.0018	18	-24 24 20.07	-0.016	18	0.34	26.106	16	33.4	19.81	16	33.4	K0	M	14	10848	E -2411924
75		6.4T	10 32.985	-0.0293	04	-25 7 19.22	-0.073	04	0.20	34.169	06	09.5	16.04	07	06.6	G5		GC	20461	C*-2411928
76		9.1R	10 33.376	-0.0007	18	-24 41 6.07	-0.031	18	0.34	33.387	16	33.4	5.55	16	33.4	A0	J	14	10849	E -2411927
77		7.9R	10 37.712	0.0028	20	-29 34 17.97	0.018	20	0.36	37.665	16	33.4	18.27	16	33.4	G5	J	13B	9564	J -2911598
78		9.2R	10 40.359	-0.0004	15	-23 43 18.73	-0.029	15	0.30	40.365	16	33.4	18.25	16	33.4	F5	J	14	10851	E -2312138
79		9.0R	10 42.001	0.0028	20	-28 47 52.70	-0.042	20	0.36	41.954	16	33.4	52.00	16	33.4	G5	M	13B	9565	J -2811225
80		9.3R	10 45.847	0.0028	15	-27 46 16.60	0.004	15	0.30	45.801	16	33.4	16.67	16	33.4	K0	M	13B	9566	J -2710271
81		9.3R	10 50.750	-0.0048	20	-28 33 35.85	-0.025	20	0.36	50.829	16	33.4	35.43	16	33.4	G0	M	13B	9568	J -2811227
82		8.4R	10 50.836	-0.0004	18	-23 21 16.49	-0.018	18	0.34	50.842	16	33.4	16.19	16	33.4	A2	J	14	10852	E -2312142
83		9.1R	10 52.005	-0.0118	18	-27 32 52.65	-0.027	18	0.34	52.202	16	33.4	52.20	16	33.4	K0	M	13B	9569	J -2710272
84		9.2R	10 53.266	0.0001	15	-25 18 8.28	-0.024	15	0.30	53.265	16	33.4	7.88	16	33.4	A2	J	14	10853	E -2510800
85		6.0T	10 55.207	-0.0011	09	-26 0 27.18	-0.004	09	0.56	55.272	17	93.5	26.95	17	91.0	K0		GC	20466K	C -2510801
86		7.8T	10 57.685	0.0027	13	-24 11 33.18	-0.026	09	0.61	57.553	18	01.0	31.86	18	98.5	G5		GC	20468	C -2312144
87		8.5R	10 58.203	-0.0008	20	-25 51 54.75	0.015	20	0.36	58.215	16	33.4	55.00	16	33.4	A3	J	14	10855	E -2510802
88		8.9R	11 0.576	0.0009	20	-27 21 12.37	0.041	20	0.36	0.561	16	33.4	13.05	16	33.4	A0	J	13B	9570	J -2710274
89		9.4R	11 1.727	-0.0002	18	-23 10 21.03	-0.074	18	0.34	1.731	16	33.4	19.80	16	33.4	G5	J	14	10857	E -2210895
90		9.1A	11 4.291	0.0018	15	-22 2 7.84	-0.002	11	0.27	4.261	16	33.4	7.81	16	33.4	G5	J	13A	6302	A -21 4054
91		9.2R	11 4.716	0.0012	20	-29 6 52.76	-0.038	20	0.36	4.695	16	33.4	52.13	16	33.4	A0	M	13B	9571	J -2811233
92		9.1R	11 7.536	-0.0007	15	-26 53 39.29	-0.023	15	0.30	7.547	16	33.4	38.91	16	33.4	K0	M	14	10858	E -2610766
93		9.1A	11 9.013	-0.0005	15	-20 1 42.98	0.002	12	0.28	9.021	18	33.4	43.01	16	33.4	F0	J	12B	6303	A -19 4057
94		9.4R	11 9.469	0.0029	18	-22 27 58.73	-0.015	18	0.34	9.420	16	33.4	58.49	16	33.4	A2	J	14	10859	E -2210897
95		8.7R	11 14.694	-0.0083	20	-25 27 50.80	0.036	20	0.36	14.832	16	33.4	51.40	16	33.4	F5	J	14	10860	E -2510806
96		9.0A	11 27.506	-0.0007	17	-22 17 3.90	-0.004	13	0.30	27.517	16	33.4	3.84	16	33.4	K0	J	13A	6304	A -21 4056
97		9.6R	11 31.429	0.0012	18	-23 20 55.23	0.011	18	0.34	31.409	16	33.4	55.41	16	33.4	K0	M	14	10861	E -2312147
98		9.3R	11 34.029	-0.0030	18	-27 54 35.32	-0.027	18	0.34	34.080	16	33.4	34.87	16	33.4	K2	M	13B	9573	J -2710281
99		9.0A	11 34.133	0.0037	17	-20 31 22.38	-0.179	13	0.30	34.071	16	33.4	19.42	16	33.4	G5	J	13A	6306	A -20 4185
00		9.4R	11 36.956	0.0002	18	-24 4 17.64	-0.007	18	0.34	36.953	16	33.4	17.51	16	33.4	F5	M	14	10863	E -2312148

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15H

183300

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	EPOCH 1950 μ s	EPOCH 1950 σ_μ .001"	EPOCH 1950 δ_{1950} ° ′ ″	EPOCH 1950 μ' ″	EPOCH 1950 $\sigma_{\mu'}$ .001"	EPOCH 1950 σ_{1950} ″	ORIGINAL EPOCH α_2 s	ORIGINAL EPOCH σ .01"	ORIGINAL EPOCH ep.	ORIGINAL EPOCH δ_2 ″	ORIGINAL EPOCH σ' .01"	ORIGINAL EPOCH ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	-20° 15H DM NUMBER
1		8.3R	15 11 40.428	-0.0024	17	-20 53 22.06	-0.006	17	0.32	40.467	16	33.4	21.96	16	33.4	G5 J	13B	9576	J -2811238
2		9.3R	11 43.092	-0.0015	20	-28 14 40.19	0.023	20	0.36	43.118	16	33.4	40.57	16	33.4	K0 M	13B	9577	J -2710283
3		8.8R	11 48.019	-0.0009	18	-24 17 1.52	-0.028	18	0.34	48.034	16	33.4	1.06	16	33.4	K5 J	14	10864	E -2411945
4		9.5R	11 52.480	-0.5033	18	-22 18 58.03	-0.068	18	0.34	52.534	16	33.4	56.91	16	33.4	G5 J	14	10865	E -2210952
5		9.3R	12 1.688	-0.0002	20	-27 36 13.23	-0.031	20	0.36	1.692	16	33.4	12.71	16	33.4	G0 M	13B	9579	J -2710287
6		9.3R	12 3.346	-0.0025	20	-28 24 21.17	0.004	20	0.36	3.388	16	33.4	21.24	16	33.4	G0 M	13B	9580	J -2811241
7		8.7R	12 13.698	-0.0034	12	-22 43 57.45	-0.003	12	0.25	13.755	16	33.4	57.40	16	33.4	K5 J	14	10866	E -2210908
8		7.4T	12 14.755	-0.0014	12	-27 40 19.19	-0.001	10	0.63	14.825	15	99.1	19.14	18	93.9	A0	GC	20493	C*-2710289
9		9.6R	12 18.252	-0.0003	18	-27 49 5.14	-0.025	18	0.34	18.258	16	33.4	4.72	16	33.4	A0 M	13B	9584	J -2710290
10		8.5R	12 19.540	0.0004	18	-25 12 16.84	0.006	18	0.34	19.534	16	33.4	16.94	16	33.4	K2 J	14	10867	E -2411951
11		8.6R	12 20.690	-0.0010	18	-24 36 32.08	-0.015	18	0.34	20.707	16	33.4	31.83	16	33.4	A5 J	14	10868	E -2411952
12		9.2A	12 32.916	-0.0012	18	-21 25 15.33	-0.005	13	0.31	32.936	16	33.4	15.25	16	33.4	K5 J	13A	6313	A -21 4063
13		8.6R	12 35.884	-0.0005	18	-23 38 13.41	-0.010	18	0.34	35.892	16	33.4	13.25	16	33.4	K2 J	14	10869	E -2312158
14		8.4R	12 37.925	-0.0027	18	-23 42 34.96	0.000	18	0.34	37.969	16	33.4	34.97	16	33.4	K0 M	14	10870	E -2312159
15		9.1A	12 38.118	-0.0007	15	-20 1 54.25	-0.004	12	0.28	38.130	18	33.4	54.18	16	33.4	F2 J	12B	6314	A -19 4060
16		6.8T	12 39.510	-0.0036	13	-27 24 42.86	0.028	10	0.63	39.696	17	98.3	44.42	17	94.5	F2	GC	20500K	C*-2710292
17		9.3R	12 40.524	0.0030	20	-29 42 54.07	-0.040	20	0.36	40.474	16	33.4	53.40	16	33.4	F8 M	13B	9588	J -2911615
18		8.6R	12 43.577	0.0004	12	-29 50 29.14	-0.035	12	0.25	43.570	16	33.4	28.56	16	33.4	K0 M	13B	9590	J -2911616
19		9.2R	12 44.278	-0.0056	15	-24 49 19.34	-0.009	15	0.30	44.372	16	33.4	19.19	16	33.4	K2 J	14	10871	E -2411957
20		9.3R	12 48.866	0.0002	18	-24 7 54.49	0.000	18	0.34	48.863	16	33.4	54.50	16	33.4	K0 M	14	10872	E -2312161
21		9.4R	12 51.149	0.0031	f8	-23 46 24.28	-0.034	18	0.34	51.098	16	33.4	23.72	16	33.4	F5 J	14	10874	E -2312162
22		8.5T	12 53.653	0.0012	16	-20 45 17.48	-0.023	15	0.70	53.600	19	07.5	16.46	19	05.2	F8	GC	20508	-20 4186
23		8.0R	12 54.039	0.0020	12	-26 50 17.92	-0.036	12	0.25	54.006	16	33.4	17.32	16	33.4	F2 J	14	10873	E -2610783
24		9.4R	13 1.535	0.0021	18	-24 29 57.96	-0.012	18	0.34	1.501	16	33.4	57.75	16	33.4	K5 M	14	10875	E -2411960
25		9.1R	13 15.374	-0.0041	15	-26 14 43.84	0.001	15	0.30	15.442	16	33.4	43.86	16	33.4	G5 J	14	10876	E -2510832
26		9.0A	13 15.779	0.0007	18	-20 14 36.10	-0.056	13	0.31	15.768	16	33.4	35.17	16	33.4	K0 J	13A	6317	A -19 4062
27		9.0R	13 19.862	-0.0002	18	-24 43 34.03	0.028	18	0.34	19.866	16	33.4	34.50	16	33.4	F5 J	14	10877	E -2411963
28		5.7T	13 28.750	-0.0025	04	-22 12 57.00	0.000	04	0.20	28.870	06	02.7	57.02	07	01.8	K2	GC	20522	B*-21 4065
29		9.3R	13 30.507	0.0020	15	-25 45 55.47	-0.014	15	0.30	30.475	16	33.4	55.24	16	33.4	F5 J	14	10878	E -2510836
30		9.0R	13 36.137	0.0002	18	-22 31 6.08	-0.018	18	0.34	36.134	16	33.4	5.78	16	33.4	K7 M	14	10879	E -2210915
31		9.4R	13 46.900	0.0004	18	-24 51 6.30	-0.004	18	0.34	46.893	16	33.4	6.23	16	33.4	A5 J	14	10880	E -2411965
32		8.6R	13 49.130	0.0020	17	-28 25 30.70	-0.023	17	0.32	49.097	16	33.4	30.32	16	33.4	G0 J	13B	9594	J -2811259
33		7.2T	13 51.915	-0.0021	12	-23 49 35.31	0.013	10	0.61	52.025	18	97.9	36.07	18	93.78	A2	GC	20530	C -2312173
34		9.1R	13 53.227	-0.0039	12	-26 58 1.13	-0.023	12	0.25	53.292	16	33.4	0.75	16	33.4	A3 J	14	10881	E -2610788
35		9.1R	13 54.207	-0.0017	18	-25 27 19.95	0.022	18	0.34	54.235	16	33.4	20.32	16	33.4	K5 M	14	10883	E -2510843
36		8.8R	14 0.399	-0.0001	18	-24 30 9.79	-0.022	18	0.34	0.401	16	33.4	9.43	16	33.4	F2 J	14	10884	E -2411967
37		9.0R	14 8.134	-0.0033	18	-27 46 58.34	-0.031	18	0.34	8.188	16	33.4	57.82	16	33.4	K0 J	13B	9598	J -2710301
38		9.1A	14 9.448	-0.0040	17	-20 25 27.23	-0.026	13	0.30	9.514	16	33.4	26.80	16	33.4	K0 J	13A	6322	A -20 4189
39		9.2A	14 13.860	-0.0030	17	-21 37 19.64	-0.026	13	0.30	13.909	16	33.4	19.21	16	33.4	K5 J	13A	6323	A -21 4069
40		9.0R	14 21.489	0.0017	15	-23 2 1.20	-0.011	15	0.30	21.462	16	33.4	1.01	16	33.4	K7 J	14	10885	E -2210922
41		9.1R	14 24.248	-0.0055	20	-28 25 18.66	0.013	20	0.36	24.339	16	33.4	18.87	16	33.4	A0 M	13B	9600	J -2811266
42		8.9R	14 27.693	0.0003	20	-28 35 35.40	-0.018	20	0.36	27.689	16	33.4	35.10	16	33.4	F5 M	13B	9601	J -2811267
43		8.9A	14 32.830	-0.0007	18	-20 39 13.03	-0.019	13	0.31	32.843	16	33.4	12.72	16	33.4	M0 J	13A	6327	A -20 4194
44		9.4R	14 38.291	-0.0011	18	-24 17 40.30	0.015	18	0.34	38.309	16	33.4	40.54	16	33.4	F0 M	14	10886	E -2411974
45		7.8R	14 41.846	-0.0095	12	-26 4 2.42	-0.210	12	0.25	42.003	16	33.4	58.93	16	33.4	F5 J	14	10887	E -2510851
46		4.4T	14 46.871	-0.0007	04	-29 57 58.36	-0.010	03	0.21	46.907	09	06.8	57.80	09	95.8	K0	GC	20550	C*-2911630
47		9.0R	14 48.837	-0.0036	18	-24 14 44.17	-0.062	18	0.34	48.897	16	33.4	43.15	16	33.4	G5 M	14	10888	E -2312187
48		9.2A	14 50.388	-0.0021	17	-21 23 21.76	0.004	13	0.30	50.422	16	33.4	21.83	16	33.4	F8 J	13A	6328	A -21 4572
49		7.7R	14 52.639	-0.0013	12	-26 48 49.62	-0.007	12	0.25	52.660	16	33.4	49.50	16	33.4	K2 J	14	10889	E -2610793
50		8.5R	14 56.119	-0.0007	18	-24 47 58.42	-0.026	18	0.34	56.131	16	33.4	57.98	16	33.4	A2 J	14	10890	E -2411978
51		7.4A	15 14 58.057	0.0008	18	-20 32 23.12	-0.065	13	0.31	58.045	16	33.4	22.05	16	33.4	K0 J	13A	6329	A -20 4196
52		8.6R	15 7.055	-0.0006	18	-23 17 23.50	-0.018	18	0.34	7.066	16	33.4	23.20	16	33.4	K5 J	14	10891	E -2312191
53		9.2R	15 17.296	0.0006	18	-25 6 13.01	0.011	18	0.34	17.287	16	33.4	13.19	16	33.4	K0 M	14	10892	E -2411981
54		8.4A	15 26.858	-0.0020	15	-20 40 44.33	-0.012	11	0.27	26.891	16	33.4	44.14	16	33.4	K2 J	13A	6331	A -20 4198
55		9.3R	15 34.458	-0.0026	15	-25 22 8.56	-0.038	15	0.30	34.501	16	33.4	7.93	16	33.4	G5 M	14	10893	E -2510859
56		9.0R	15 37.243	0.0043	20	-29 13 49.36	0.012	20	0.36	37.172	16	33.4	49.56	16	33.4	K0 M	13B	9611	J -2811274
57		8.3R	15 39.515	-0.0013	18	-24 4 2.08	-0.074	18	0.34	39.536	16	33.4	0.86	16	33.4	K2 J	14	10895	E -2312194
58		7.6T	15 40.298	0.0015	12	-24 49 6.02	-0.036	10	0.63	40.218	18	97.2	3.97	17	93.5	A2	GC	20567	C -2411984
59		8.2R	15 42.103	-0.0012	18	-25 2 32.69	0.069	18	0.34	42.124	16	33.4	33.83	16	33.4	K0 J	14	10896	E -2411985
60		8.9R	15 44.131	-0.0009	18	-27 47 16.39	-0.020	18	0.34	44.147	16	33.4	16.06	16	33.4	F5 J	13B	9613	J -2710315
61		9.0R	15 47.944	-0.0017	12	-23 38 32.63	0.020	12	0.25	47.971	16	33.4	32.97	16	33.4	K0 J	14	10898	E -2312195
62		9.4R	15 48.631	0.0010	20	-26 6 33.16	-0.023	20	0.36	48.615	16	33.4	32.78	16	33.4	G5 M	14	10897	E -2510863
63		9.2A	15 51.779	-0.0049	20	-20 21 9.87	-0.011	15	0.33	51.861	16	33.4	9.68	16	33.4	G0 J	13A	6336	A -20 4204
64		9.5R	15 53.119	-0.0029	20	-22 34 4.43	-0.029	20	0.36	53.167	16	33.4	3.95	16	33.4	G	M 14	10900	E -2210932
65		9.2R	15 53.147	-0.0022	18	-24 28 46.46	-0.002	18	0.34	53.183	16	33.4	46.43	16	33.4	K5 M	14	10899	E -2411987
66		7.9R	15 53.837	-0.0041	17	-29 2 23.63	-0.024	20	0.34	53.905	16	33.4	23.23	16	33.4	K2 J	13B	9614	J -2811276
67		8.8R	16 5.265	-0.0141	18	-23 8 48.95	-0.119	18	0.34	5.500	16	33.4	46.97	16	33.4	G5 J	14	10901	E -2210934
68		7.2T	16 12.946	-0.0048	10	-24 5 2.95	-0.036	08	0.49	13.184	09	00.5	1.05	12	97.9	A2	GC	20578K	C*-2312202
69		7.8R	16 18.168	0.0030	17	-28 47 35.68	-0.023	17	0.32	18.119	16	33.4	35.29	16	33.4	G5 J	13B	9618	J -2811280
70		8.8R	16 23.725	0.0010	18	-25 55 22.86	-0.010	18	0.34	23.709	16	33.4	22.69	16	33.4	K5 M	14	10903	E -2510871
71		9.1R	16 30.414	-0.0023	20	-25 39 33.46	0.003	20	0.36	30.452	16	33.4	33.51	16	33.4	K0 J	14	10904	E -2510873
72		9.1R	16 33.745	-0.0026	15	-25 58 10.31	-0.032	15	0.30	33.787	16	33.4	9.78	16	33.4	A0 J	14	10905	E -2510874
73		8.1R	16 37.985	-0.0012	12	-26 34 26.15	-0.007	12	0.25	38.005	16	33.4	26.03	16	33.4	K5 J	14	10906	E -2610812
74		9.6R	16 39.901	0.0068	16	-23 34 37.44	0.020	18	0.34	39.787	16	33.4	37.78	16	33.4	G0 M	14	10907	E -2312207
75		8.6R	16 40.875	0.0049	17	-29 53 15.54	-0.059	17	0.32	40.793	16	33.4	14.55	16	33.4	F5 J	13B	9619	J -2911636
76		9.2R	16 43.464	0.0023	15	-24 36 39.13	0.007	15	0.30	43.426	16	33.4	39.24	16	33.4	K0 M	14	10908	E -2411996
77		7.2T	16 43.950	-0.0022	08	-24 5 21.62	-0.040	09	0.49	44.070	12	95.9	19.43	14	94.6	F2	GC	20589K	C*-2312208
78		9.0R	16 46.970	-0.0049	20	-28 33 54.02	-0.055	20	0.36	47.052	16	33.4	53.10	16	33.4	G0 J	13B	9620	J -2811285
79		8.7R	16 53.517	-0.0005	12	-29 55 33.46	-0.004	12	0.25	53.526	16	33.4	33.38	16	33.4	G0 J	13B	9621	J -2911638
80		8.4A	16 55.434	-0.0062	15	-20 41 23.79	-0.121	12	0.27	55.536	16	33.4	21.79	16	33.4	F5 J	13A	6342	A -20 4206
81		9.1R	17 0.916	-0.0007	20	-29 44 55.82	-0.026	20	0.36	0.927	16	33.4	55.39	16	33.4	A0 J	13B	9624	J -2911639
82		8.9R	17 2.110	-0.0014	15	-26 16 30.58	0.002	15	0.30	2.087	16	33.4	30.61	16	33.4	K0 J	14	10910	E -2610813
83		9.2R	17 8.563	-0.0021	18	-24 31 52.97	-0.002	18	0.34	8.529	16	33.4	52.93	16	33.4	K0 M	14	10911	E -2411998
84		9.1R	17 9.765	-0.0055	18	-22 42 56.95	-0.014	18	0.34	9.876	16	33.4	56.72	16	33.4	F8 M	14	10913	E -2210944
85		9.2R	17 11.576	-0.0006	21	-26 54 36.73	-0.008	21	0.38	11.586	16	33.4	36.59	16	33.4	M	M 14	10912	E -2610814
86		9.0R	17 16.663	-0.0016	18	-24 47 48.89	-0.015	18	0.34	16.690	16	33.4	48.63	16	33.4	A2 J	14	10914	E -2412001
87		9.0A	17 23.433	0.0006	13	-22 15 44.66	-0.012	09	0.25	23.423	16	33.4	44.47	16	33.4	K7 J	13A	6344	A -21 4084
88		9.3R	17 26.341	-0.0013	18	-28 7 15.23	-0.045	18	0.34	26.320	16	33.4	14.48	16	33.4	K0 M	13B	9626	J -2710329
89		7.1T	17 30.399	-0.0016	11	-28 6 25.02	-0.034	09	0.59	30.481	15	97.6	23.06	17	92.3	A0	GC	20607	C*-2710330
90		8.8A	17 30.850	-0.0072	15	-22 4 49.09	-0.061	11	0.27	30.970	16	33.4	48.08	16	33.4	F0 J	13A	6345	A -21 4086
91		8.0R	17 35.985	-0.0021	12	-26 50 35.02	-0.017	12	0.25	36.020	16	33.4	34.73	16	33.4	K0 J	14	10915	E -2610822
92		7.2T	17 42.969	-0.0026	10	-25 48 30.59	-0.147	09	0.48	43.099	10	00.4	22.98	12	98.2	K0	GC	20611	C*-2510881
93		9.1R	17 47.720	-0.0000	15	-25 46 46.62	-0.050	15	0.30	47.721	16	33.4	45.79	16	33.4	K5 M	14	10917	E -2510882
94		8.7R	17 51.532	-0.0012	12	-25 24 48.72	0.010	12	0.25	51.553	16	33.4	48.88	16	33.4	K0 J	14	10918	E -2510883
95		8.9R	18 11.781	0.0008	12	-28 58 5.13	-0.025	12	0.25	11.768	16	33.4	4.71	16	33.4	K2 M	13B	9629	J -2811296
96		8.9A	18 11.995	-0.0020	13	-22 2 15.57	-0.027	09	0.25	12.028	16	33.4	15.13	16	33.4	A3 J	13A	6346	A -21 4090
97		8.7R	18 23.154	0.0024	20	-29 20 54.18	-0.028	20	0.36	23.114	16	33.4	53.71	16	33.4	K5 J	13B	9631	J -2911649
98		8.9A	18 23.673	0.0005	18	-21 53 15.84	-0.005	13	0.31	23.665	16	33.4	15.76	16	33.4	M1 J	13A	6349	A -21 4091
99		9.3R	18 27.968	0.0012	18	-27 38 45.74	-0.037	18	0.34	27.948	16	33.4	45.12	16	33.4	F8 M	13B	9632	J -2710332
00		8.7R	18 30.188	-0.0005	12	-28 30 6.69	0.005	12	0.25	30.195	16	33.4	6.77	16	33.4	K0 J	13B	9634	J -2811299

183400

EPOCH 1950 — ORIGINAL EPOCH — SOURCE — -20° 15H

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	CAT.	STAR NUMBER	DM NUMBER
1		8.0I	15 18 31.171	-0.0038	18	-20 12 32.31	0.011	17	0.87	31.346	26	03.5	32.83	26	02.1	M2E	GC	20639V	B*-19 4084
2		8.3R	18 33.800	-0.0007	18	-27 44 39.21	0.008	18	0.34	33.812	16	33.4	39.34	16	33.4	F8 J	13B	9635	J -2710333
3		8.4A	18 39.208	-0.0017	17	-22 9 52.23	0.008	13	0.30	39.236	16	33.4	52.37	16	33.4	F5 J	13A	6350	A -21 4092
4		8.4R	18 39.909	-0.0043	20	-27 27 28.55	-0.109	20	0.36	39.981	16	33.4	26.74	16	33.4	F8 J	13B	9637	J -2710335
5		9.2A	18 44.160	-0.0031	17	-20 27 18.20	-0.054	13	0.30	44.211	16	33.4	17.30	16	33.4	G5 J	13A	6351	A -20 4212
6		7.8R	19 11.520	-0.0002	15	-26 49 32.67	-0.016	15	0.30	11.524	16	33.4	32.40	16	33.4	K5 J	14	10919	E -2610836
7		9.2R	19 19.774	0.0002	18	-23 26 46.99	-0.040	18	0.34	19.772	16	33.4	46.33	16	33.4	K2 M	14	10920	E -2312237
8		7.6R	19 23.745	-0.0024	15	-25 16 53.74	-0.038	15	0.30	23.785	16	33.4	53.11	16	33.4	K2 J	14	10921	E -2510896
9		8.5R	19 28.032	0.0018	18	-22 47 55.31	-0.015	18	0.34	28.002	16	33.4	55.06	16	33.4	A0 J	14	10922	E -2210958
10		9.1A	19 30.357	-0.0029	17	-21 0 11.87	-0.033	13	0.30	30.405	16	33.4	11.33	16	33.4	A0 J	13A	6354	A -20 4217
11		9.0R	19 31.504	-0.0001	20	-22 23 19.82	-0.004	20	0.36	31.506	16	33.4	19.76	16	33.4	F5 J	14	10924	E -2210959
12		9.4R	19 32.456	-0.0031	15	-24 7 31.99	-0.029	15	0.30	32.507	16	33.4	31.50	16	33.4	F0 M	14	10923	E -2312242
13		9.1A	19 35.893	-0.0007	17	-20 32 54.81	-0.010	13	0.30	35.906	16	33.4	54.65	16	33.4	G5 J	13A	6355	A -20 4219
14		9.2R	19 38.258	-0.0030	18	-23 13 49.65	-0.008	18	0.34	38.307	16	33.4	49.52	16	33.4	K0 M	14	10925	E -2210961
15		9.1A	19 40.779	-0.0085	17	-20 32 5.10	-0.011	12	0.29	40.920	16	33.4	4.92	16	33.4	G5 J	13A	6358	A -20 4221
16		8.5R	19 41.323	-0.0009	15	-25 39 21.54	-0.018	15	0.30	41.338	16	33.4	21.24	16	33.4	K0 J	14	10926	E -2510898
17		6.6T	19 42.547	0.0029	11	-29 9 49.27	0.009	10	0.58	42.389	17	96.2	49.76	18	94.0	K0	GC	20668	C -2811311
18		8.5R	19 47.762	0.0016	15	-27 14 42.19	-0.047	15	0.30	47.735	16	33.4	41.41	16	33.4	K0 J	13B	9646	J -2610839
19		8.3R	19 48.451	-0.0022	12	-22 43 16.68	-0.019	12	0.25	48.487	16	33.4	16.36	16	33.4	F0 J	14	10927	E -2210963
20		9.4R	19 49.668	0.0006	18	-22 55 30.66	-0.009	18	0.34	49.659	16	33.4	30.51	16	33.4	K5 M	14	10928	E -2210964
21		8.5R	19 52.220	0.0004	20	-28 59 44.35	0.019	20	0.36	52.212	16	33.4	44.66	16	33.4	K2 J	13B	9648	J -2811314
22		9.7R	19 53.285	0.0022	20	-22 38 31.11	0.068	20	0.36	53.248	16	33.4	32.24	16	33.4	F0 M	14	10930	E -2210965
23		6.8H	19 57.471	0.0021	03	-26 30 40.65	-0.000	03	0.11	57.410	05	20.8	40.63	05	12.8	K0	F4	1404	C -2610842
24		9.0A	20 24.095	-0.0016	11	-21 29 41.88	-0.001	09	0.23	24.121	16	33.4	41.87	16	33.4	M0 J	13A	6362	A -21 4098
25		9.0R	20 27.548	-0.0002	12	-29 48 49.07	-0.023	12	0.25	27.552	16	33.4	48.68	16	33.4	A3 J	13B	9651	J -2911665
26		8.4R	20 32.627	0.0020	18	-23 54 51.88	-0.019	18	0.34	32.593	16	33.4	51.57	16	33.4	A0 J	14	10932	E -2312251
27		9.1R	20 34.882	-0.0023	18	-25 11 38.60	0.040	18	0.34	34.920	16	33.4	39.26	16	33.4	G5 M	14	10934	E -2412030
28		8.3R	20 35.977	-0.0064	15	-27 4 55.21	-0.091	15	0.30	36.083	16	33.4	53.70	16	33.4	F8 J	14	10933	E -2610846
29		8.6R	20 41.761	0.0003	12	-26 47 2.54	-0.012	12	0.25	41.756	16	33.4	2.34	16	33.4	K2 J	14	10935	E -2610847
30		8.6R	20 42.875	-0.0028	18	-27 46 29.65	-0.013	18	0.34	42.922	16	33.4	29.43	16	33.4	A0 J	13B	9653	J -2710349
31		8.9A	20 58.427	-0.0001	15	-22 10 29.94	-0.024	12	0.27	58.429	16	33.4	29.55	16	33.4	K0 J	13A	6364	A -21 4101
32		9.4R	21 1.474	-0.0041	18	-26 49 53.59	-0.009	18	0.34	1.541	16	33.4	53.44	16	33.4	G0 J	14	10938	E -2610850
33		7.5T	21 2.170	0.0012	09	-27 7 40.28	-0.038	09	0.55	2.101	17	92.3	38.03	18	90.7	G5	GC	20693K	C -2610849
34		8.5R	21 16.025	-0.0010	15	-22 32 50.19	-0.034	15	0.30	16.042	16	33.4	49.62	16	33.4	K5 J	14	10939	E -2210972
35		9.0A	21 17.004	-0.0004	15	-20 39 58.72	-0.004	11	0.27	17.011	16	33.4	58.66	16	33.4	K0 J	13A	6366	A -20 4224
36		9.1A	21 21.544	-0.0034	18	-20 33 21.15	0.000	15	0.32	21.600	16	33.4	21.16	16	33.4	G5 J	13A	6368	A -20 4226
37		9.2R	21 28.475	-0.0026	18	-24 41 51.63	0.011	18	0.34	28.518	16	33.4	51.80	16	33.4	F0 M	14	10940	E -2412040
38		8.1R	21 29.754	-0.0012	18	-25 35 11.65	0.016	18	0.34	29.774	16	33.4	11.92	16	33.4	K5 J	14	10941	E -2510907
39		8.5R	21 34.044	0.0006	20	-26 1 55.63	0.001	20	0.36	34.035	16	33.4	55.65	16	33.4	K2 J	14	10942	E -2510908
40		9.0R	21 35.975	0.0005	12	-29 3 31.49	0.063	12	0.25	35.967	16	33.4	32.53	16	33.4	G0 J	13B	9660	J -2811330
41		8.7R	21 36.498	0.0013	18	-24 11 39.19	-0.063	18	0.34	36.476	16	33.4	38.13	16	33.4	A5 J	14	10943	E -2312264
42		7.3R	21 40.870	-0.0038	18	-25 29 27.36	-0.026	18	0.34	40.934	16	33.4	26.93	16	33.4	K2 J	14	10944	E -2510910
43		8.3R	21 54.489	-0.0009	15	-23 19 59.14	-0.046	15	0.30	54.505	16	33.4	58.38	16	33.4	F0 J	14	10946	E -2312270
44		9.2R	21 54.649	-0.0044	15	-24 2 28.59	-0.018	15	0.30	54.722	16	33.4	28.30	16	33.4	K2 M	14	10945	E -2312269
45		8.1R	21 57.794	0.0007	18	-23 11 0.47	-0.045	18	0.34	57.783	16	33.4	-59.72	16	33.4	F0 J	14	10947K	E -2210975
46		8.5R	22 0.129	-0.0035	18	-22 43 32.39	-0.025	18	0.34	0.187	16	33.4	31.98	16	33.4	K0 J	14	10948	E -2210976
47		7.5A	22 2.980	-0.0010	15	-21 52 4.04	0.003	12	0.27	2.996	16	33.4	4.10	16	33.4	K2 J	13A	6373	A -21 4103
48		8.0F	22 9.482	0.0006	12	-26 34 38.46	0.000	15	0.27	9.471	16	33.4	38.46	16	33.4	M1 M	14	10949	E -2610860
49		8.3R	22 9.876	-0.0005	12	-26 23 57.78	-0.058	12	0.25	9.884	16	33.4	56.81	16	33.4	F2 J	14	10950	E -2610862
50		8.3R	22 11.337	-0.0010	18	-23 29 43.09	-0.061	18	0.34	11.354	16	33.4	42.08	16	33.4	F8 J	14	10951	E -2312272
51		9.5R	15 22 11.970	-0.0015	18	-28 0 14.16	0.012	18	0.34	11.994	16	33.4	14.36	16	33.4	A5 M	13B	9665	J -2710358
52		8.6R	22 28.176	0.0010	18	-23 8 39.78	-0.006	18	0.34	28.159	16	33.4	39.68	16	33.4	K5 J	14	10953	E -2210983
53		9.0R	22 30.501	-0.0022	18	-26 26 53.00	-0.037	18	0.34	30.537	16	33.4	52.39	16	33.4	F5 J	14	10952	E -2610866
54		9.1R	22 31.134	-0.0016	18	-24 45 23.22	-0.003	18	0.34	31.161	16	33.4	23.17	16	33.4	K0 M	14	10954	E -2412054
55		8.8R	22 33.283	0.0003	18	-23 30 43.63	-0.024	18	0.34	33.278	16	33.4	43.22	16	33.4	A5 J	14	10955	E -2312276
56		7.7R	22 39.295	-0.0020	20	-27 55 12.95	-0.002	20	0.36	39.328	16	33.4	12.91	16	33.4	G5 J	13B	9670	J -2710363
57		9.1R	22 43.082	-0.0028	17	-29 24 8.38	-0.018	17	0.32	43.127	16	33.4	8.08	16	33.4	K0 M	13B	9671	J -2911684
58		8.9R	22 57.895	-0.0017	15	-26 43 59.30	-0.018	15	0.30	57.924	16	33.4	59.00	16	33.4	K0 J	14	10956	E -2610868
59		8.4R	22 58.281	-0.0045	20	-29 55 45.31	-0.015	20	0.36	58.355	16	33.4	45.06	16	33.4	G0 M	13B	9674	J -2911688
60		9.1A	23 1.149	-0.0025	13	-22 5 35.06	-0.016	09	0.25	1.190	16	33.4	34.80	16	33.4	G5 J	13A	6377	A -21 4106
61		8.7R	23 1.273	0.0001	12	-29 15 20.57	0.021	12	0.25	1.270	16	33.4	20.92	16	33.4	K2 J	13B	9675	J -2811337
62		8.5R	23 1.720	-0.0604	15	-26 31 51.02	-0.006	15	0.30	2.723	16	33.4	50.92	16	33.4	K0 J	14	10957	E -2610870
63		8.5R	23 6.881	-0.0021	15	-25 26 32.33	-0.031	15	0.30	6.916	16	33.4	31.81	16	33.4	A0 J	14	10958	E -2510919
64		9.4R	23 7.913	0.0001	20	-29 55 5.78	-0.013	20	0.36	7.912	16	33.4	5.56	16	33.4	A2 M	13B	9677	J -2911690
65		9.0R	23 9.763	0.0003	18	-23 54 15.85	-0.029	18	0.34	9.758	16	33.4	15.37	16	33.4	K0 M	14	10959	E -2312281
66		7.1T	23 11.477	-0.0026	08	-21 12 21.46	0.006	07	0.40	11.602	14	01.2	21.78	14	97.7	K0	GC	20734	-20 4233
67		9.2R	23 13.833	0.0002	18	-24 57 41.31	0.017	18	0.34	13.831	16	33.4	41.59	16	33.4	K0 M	14	10960	E -2412063
68		8.6R	23 19.729	-0.0017	18	-24 48 49.52	0.021	18	0.34	19.757	16	33.4	49.86	16	33.4	A2 M	14	10961	E -2412066
69		9.4R	23 22.362	-0.0023	15	-23 53 10.26	-0.019	15	0.30	22.400	16	33.4	9.95	16	33.4	G0 M	14	10963	E -2312284
70		9.4R	23 23.192	0.0002	18	-24 37 42.44	0.001	18	0.34	23.189	16	33.4	42.46	16	33.4	F0 M	14	10962	E -2412068
71		9.3R	23 24.496	0.0021	20	-23 12 52.18	-0.042	20	0.36	24.461	16	33.4	51.48	16	33.4	F8 M	14	10964	E -2210993
72		8.7A	23 41.803	-0.0005	15	-20 19 26.27	-0.063	12	0.27	41.811	16	33.4	25.22	16	33.4	K2 J	13A	6381	A -19 4104
73		7.6R	23 47.892	0.0014	12	-27 47 54.74	0.040	12	0.25	47.869	16	33.4	55.40	16	33.4	F8 J	13B	9682	J -2710372
74		8.6R	23 49.379	-0.0026	18	-22 19 52.57	-0.040	18	0.34	49.422	16	33.4	51.91	16	33.4	K0 J	14	10965	E -2210999
75		8.9R	23 50.197	-0.0004	18	-28 14 31.40	0.002	18	0.34	50.204	16	33.4	31.43	16	33.4	K5 J	13B	9683	J -2710373
76		9.6R	23 50.835	0.0017	18	-23 4 10.11	-0.025	18	0.34	50.806	16	33.4	9.70	16	33.4	G0 M	14	10966	E -2210998
77		9.1R	24 4.544	0.0006	18	-24 21 8.96	-0.004	18	0.34	4.534	16	33.4	9.03	16	33.4	F0 M	14	10968	E -2412077
78		9.1A	24 11.986	-0.0030	13	-21 41 59.64	-0.013	09	0.25	12.035	16	33.4	59.43	16	33.4	K0 J	13A	6384	A -21 4111
79		8.8A	24 12.777	-0.0006	15	-20 33 59.80	-0.129	12	0.27	12.787	16	33.4	57.67	16	33.4	G0 J	13A	6386	A -20 4237
80		8.9R	24 12.930	-0.0086	12	-28 33 36.45	-0.172	12	0.25	13.072	16	33.4	33.59	16	33.4	G5 J	13B	9684	J -2811348
81		9.5R	24 14.750	-0.0020	15	-22 42 57.33	0.014	15	0.30	14.784	16	33.4	57.56	16	33.4	K0 J	14	10969	E -2211003
82		8.8R	24 30.252	-0.0009	17	-29 21 21.18	0.001	17	0.32	30.268	16	33.4	21.19	16	33.4	A0 J	13B	9686	J -2911699
83		8.8R	24 37.266	0.0004	20	-28 37 23.72	-0.025	20	0.36	37.259	16	33.4	23.30	16	33.4	K0 J	13B	9688	J -2811355
84		9.0R	24 45.773	-0.0035	18	-24 13 6.58	-0.017	18	0.34	45.831	16	33.4	6.30	16	33.4	A5 M	14	10970	E -2312301
85		7.5R	24 50.030	-0.0009	18	-24 59 47.20	-0.027	18	0.34	50.045	16	33.4	46.74	16	33.4	R0 J	14	10971	E -2412084
86		9.2R	25 3.316	-0.0003	20	-26 3 44.82	0.015	20	0.36	3.321	16	33.4	45.07	16	33.4	G0 J	14	10972	E -2510935
87		8.7R	25 6.444	-0.0108	12	-26 57 46.21	-0.066	12	0.25	6.623	16	33.4	45.11	16	33.4	G5 J	14	10974	E -2610888
88		8.0R	25 9.400	0.0023	20	-27 9 1.92	0.022	20	0.36	9.362	16	33.4	2.28	16	33.4	K2 J	14	10975	E -2610889
89		8.5R	25 9.932	0.0008	20	-27 27 10.85	0.032	20	0.36	9.919	16	33.4	11.38	16	33.4	F5 J	13B	9689	J -2710381
90		9.4R	25 12.538	-0.0033	15	-23 4 48.82	-0.012	15	0.30	12.593	16	33.4	48.62	16	33.4	K0 M	14	10976	E -2211012
91		8.7R	25 13.159	-0.0010	20	-27 21 11.35	0.053	20	0.36	13.175	16	33.4	12.22	16	33.4	K2 J	13B	9690	J -2710382
92		9.2R	25 18.876	-0.0036	20	-26 56 44.68	-0.019	20	0.36	18.936	16	33.4	44.36	16	33.4	A2 J	14	10977	E -2610890
93		9.0R	25 21.922	0.0015	18	-25 9 55.61	0.019	18	0.34	21.898	16	33.4	55.92	16	33.4	F5 M	14	10979	E -2412090
94		9.4R	25 22.362	-0.0034	18	-24 10 58.35	-0.023	18	0.34	22.417	16	33.4	57.97	16	33.4	K0 M	14	10980	E -2312309
95		7.7Q	25 24.567	0.0026	10	-21 2 14.13	-0.016	08	0.47	24.442	17	02.6	13.33	17	98.9	G5	GC	20781	-20 4239
96		9.2A	25 24.889	-0.0001	18	-21 12 19.26	0.003	13	0.31	24.892	16	33.4	19.32	16	33.4	K2 J	13A	6391	A -20 4240
97		8.6R	25 30.436	-0.0034	20	-26 41 16.36	0.044	20	0.36	30.492	16	33.4	17.09	16	33.4	K5 J	14	10981	E -2610891
98		9.1A	25 32.378	0.0002	17	-21 30 8.64	-0.013	13	0.30	32.374	16	33.4	8.43	16	33.4	K0 J	13A	6393	A -21 4117
99		8.9A	25 37.836	-0.0033	15	-21 38 29.33	-0.002	12	0.27	37.890	16	33.4	29.30	16	33.4	F8 J	13A	6394	A -21 4120
00		7.6R	25 37.950	-0.0025	17	-29 23 45.50	-0.019	17	0.32	37.991	16	33.4	45.18	16	33.4	A3 J	13B	9696	J -2911710

183500

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	σ'_μ ″.001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	CAT.	STAR NUMBER	DM NUMBER
1		8.8R	15 25 44.052	-0.0015	20	-26 20 28.90	-0.018	20	0.36	44.076	16	33.4	28.60	16	33.4	F8 J	14	10983	E -2610894
2		8.9R	25 47.474	0.0013	20	-27 26 55.62	-0.010	20	0.36	47.452	16	33.4	55.45	16	33.4	G0 J	13B	9698	J -2710386
3		9.3R	25 48.619	0.0029	18	-23 53 38.85	-0.072	18	0.34	48.570	16	33.4	37.66	16	33.4	K0 M	14	10984	E -2312317
4		9.3R	25 49.458	-0.0020	15	-24 25 16.57	0.056	20	0.53	49.490	16	33.4	17.51	16	33.4	G0 M	14	10985	E -2412098
5		9.3R	25 53.000	-0.0006	15	-24 20 32.53	0.021	15	0.30	53.009	16	33.4	32.88	16	33.4	K0 M	14	10986	E -2412099
6		7.5T	25 56.097	-0.0019	07	-28 41 38.58	-0.053	07	0.42	56.196	15	97.0	35.47	15	91.6	F8	GC	20806K	C*-2811366
7		9.5R	25 56.656	-0.0021	18	-24 13 38.39	0.003	18	0.34	56.691	16	33.4	38.45	16	33.4	K2 M	14	10987	E -2312318
8		9.5R	25 57.584	-0.0015	18	-22 47 46.99	0.032	18	0.34	57.609	16	33.4	47.52	16	33.4	K2 M	14	10988	E -2211020
9		8.7A	26 1.823	-0.0028	15	-20 2 11.84	-0.009	12	0.28	1.870	18	33.4	11.69	16	33.4	G0 J	12B	6396	A -19 4114
10		9.2R	26 3.879	-0.0014	18	-24 26 23.16	0.000	18	0.34	3.902	16	33.4	23.17	16	33.4	G5 M	14	10989	E -2412102
11		9.3R	26 11.693	0.0023	18	-23 31 38.94	-0.029	18	0.34	11.655	16	33.4	38.45	16	33.4	G5 J	14	10992	E -2312321
12		8.8R	26 11.792	-0.0017	15	-24 36 34.94	-0.022	15	0.30	11.821	16	33.4	34.58	16	33.4	K2 J	14	10990	E -2412105
13		7.8R	26 12.361	0.0001	18	-24 16 46.72	-0.009	18	0.34	12.359	16	33.4	46.58	16	33.4	K0 J	14	10991	E -2412106
14		8.6R	26 19.041	-0.0001	17	-27 31 50.64	-0.014	17	0.32	19.043	16	33.4	50.40	16	33.4	G5 J	13B	9701	J -2710392
15		8.7R	26 20.525	-0.0013	18	-22 31 41.99	-0.016	18	0.34	20.542	16	33.4	41.72	16	33.4	F5 J	14	10993	E -2211022
16		9.5R	26 22.100	0.0000	20	-27 28 14.57	-0.003	20	0.36	22.099	16	33.4	14.52	16	33.4	G0 M	13B	9702	J -2710393
17		8.4R	26 24.416	-0.0029	12	-28 40 32.19	-0.063	12	0.25	24.464	16	33.4	31.14	16	33.4	G5 J	13B	9703	J -2811369
18		8.2R	26 26.351	0.0003	12	-26 26 2.50	-0.006	12	0.25	26.346	16	33.4	2.40	16	33.4	K5 J	14	10994	E -2610901
19		9.2A	26 28.559	0.0002	13	-21 14 12.73	-0.003	09	0.25	28.556	16	33.4	12.69	16	33.4	G5 J	13A	6398	A -20 4242
20		8.4R	26 55.952	0.0011	18	-23 52 24.10	-0.026	18	0.34	55.933	16	33.4	23.67	16	33.4	A5 J	14	10995	E -2312329
21		8.8R	27 9.888	-0.0009	18	-24 21 32.09	-0.027	18	0.34	9.902	16	33.4	31.65	16	33.4	A0 J	14	10996	E -2412118
22		9.4R	27 11.882	0.0011	18	-27 45 18.99	-0.067	18	0.34	11.864	16	33.4	17.88	16	33.4	K5 M	13B	9705	J -2710399
23		9.1R	27 17.922	-0.0007	12	-28 27 2.08	0.032	12	0.25	17.934	16	33.4	2.61	16	33.4	A3 J	13B	9707	J -2811377
24		9.0R	27 18.913	-0.0083	21	-24 4 2.67	-0.004	21	0.38	19.051	16	33.4	2.61	16	33.4	G5 M	14	10998	E -2312332
25		8.8R	27 23.534	-0.0041	12	-27 6 14.61	-0.042	12	0.25	23.601	16	33.4	13.91	16	33.4	K0 J	14	10999	E -2610910
26		9.3R	27 24.978	-0.0001	12	-29 51 9.88	-0.006	12	0.25	24.979	16	33.4	9.78	16	33.4	F0 M	13B	9708	J -2911729
27		9.2A	27 28.112	-0.0019	15	-20 26 33.32	-0.025	12	0.27	28.143	16	33.4	32.90	16	33.4	G5 J	13A	6403	A -20 4244
28		8.6R	27 28.893	0.0022	15	-25 7 44.21	0.004	15	0.30	28.856	16	33.4	44.27	16	33.4	K2 J	14	11000	E -2412121
29		9.2A	27 33.800	-0.0033	18	-22 8 40.92	-0.153	13	0.31	33.854	16	33.4	38.39	16	33.4	G0 J	13A	6404	A -21 4126
30		9.5R	27 36.870	-0.0017	18	-24 7 43.87	-0.014	18	0.34	36.897	16	33.4	43.64	16	33.4	G0 M	14	11001	E -2312336
31		9.1R	27 37.765	-0.0003	18	-27 36 17.96	-0.049	18	0.34	37.771	16	33.4	17.15	16	33.4	G0 J	13B	9711	J -2710403
32		9.1R	27 38.645	-0.0001	12	-29 39 33.77	0.003	12	0.25	38.646	16	33.4	33.81	16	33.4	K2 M	13B	9710	J -2911730
33		6.1T	27 42.569	0.0009	06	-20 33 27.76	-0.023	06	0.25	42.532	06	15.4	26.87	06	10.8	A2	GC	20834	-20 4246
34		7.5A	27 48.115	-0.0015	17	-21 42 31.30	0.012	13	0.30	48.138	16	33.4	31.50	16	33.4	G0 J	13A	6406	A -21 4128
35		8.8A	27 50.041	0.0012	17	-22 1 12.20	-0.008	13	0.30	50.021	16	33.4	12.07	16	33.4	A2 J	13A	6407	A -21 4129
36		8.9R	28 6.907	-0.0080	18	-23 15 56.31	-0.203	18	0.34	7.041	16	33.4	52.94	16	33.4	G5 J	14	11003	E -2312345
37		8.0R	28 10.314	-0.0061	18	-23 29 10.47	-0.078	18	0.34	10.400	16	33.4	9.18	16	33.4	K0 J	14	11004	E -2312346
38		9.0R	28 22.474	-0.0012	17	-29 21 34.76	-0.006	17	0.32	22.493	16	33.4	34.66	16	33.4	K2 M	13B	9715	J -2911739
39		9.1R	28 34.244	0.0006	12	-24 2 54.44	-0.019	12	0.25	34.234	16	33.4	54.13	16	33.4	K0 J	14	11005	E -2312354
40		7.7R	28 41.552	-0.0024	12	-28 14 14.92	-0.040	12	0.25	41.592	16	33.4	14.26	16	33.4	K2 J	13B	9720	J -2710415
41		9.2R	28 47.666	0.0021	18	-24 10 32.60	0.013	18	0.34	47.632	16	33.4	32.82	16	33.4	A0 J	14	11007	E -2312356
42		9.4R	28 55.136	0.0007	18	-22 40 49.65	-0.002	18	0.34	55.123	16	33.4	49.62	16	33.4	G5 J	14	11008	E -2211043
43		9.0R	28 55.941	-0.0021	17	-28 35 21.87	-0.082	17	0.32	55.977	16	33.4	20.51	16	33.4	F8 J	13B	9721	J -2811393
44		9.4R	29 1.990	0.0037	18	-23 42 29.75	-0.053	18	0.34	1.928	16	33.4	28.86	16	33.4	G0 M	14	11009	E -2312357
45		8.8A	29 2.874	0.0017	15	-20 27 35.50	0.011	11	0.27	2.846	16	33.4	35.68	16	33.4	F8 J	13A	6411	A -20 4259
46		7.8T	29 5.494	0.0009	11	-27 59 51.06	-0.023	09	0.55	5.447	17	99.4	49.86	18	98.0	A0	GC	20864	C -2710419
47		7.5A	29 15.258	-0.0004	13	-21 47 51.89	-0.017	09	0.25	15.264	16	33.4	51.61	16	33.4	B9 J	13A	6413	A -21 4135
48		7.1T	29 17.808	0.0003	10	-23 42 40.93	-0.005	09	0.57	17.793	17	95.1	40.67	17	92.4	MB	GC	20870	C -2312359
49		9.3R	29 18.760	0.0007	18	-24 2 13.14	-0.026	18	0.34	18.747	16	33.4	12.71	16	33.4	A2 J	14	11011	E -2312360
50		9.5R	29 25.934	-0.0015	18	-23 18 20.52	0.018	18	0.34	25.959	16	33.4	20.82	16	33.4	A0 M	14	11012	E -2312362
51		8.5R	15 29 31.294	-0.0030	12	-26 29 16.78	-0.004	12	0.25	31.344	16	33.4	16.71	16	33.4	F5 J	14	11013	E -2610929
52		9.1A	29 32.603	-0.0021	18	-20 0 46.74	-0.035	15	0.32	32.637	18	33.9	46.17	16	33.9	G5 J	12B	6415	A -19 4132
53		9.0R	29 34.117	-0.0019	18	-22 52 14.83	-0.003	18	0.34	34.150	16	33.4	14.78	16	33.4	F8 J	14	11014	E -2211049
54		8.8R	29 36.728	-0.0019	15	-23 45 13.12	-0.007	15	0.30	36.759	16	33.4	13.01	16	33.4	K0 J	14	11015	E -2312363
55		9.3R	29 36.794	-0.0068	15	-28 2 52.66	-0.024	15	0.30	36.908	16	33.4	52.26	16	33.4	G M	13B	9727	J -2710426
56		9.4R	29 37.103	-0.0056	18	-23 15 34.52	0.001	18	0.34	37.197	16	33.4	34.54	16	33.4	F5 M	14	11016	E -2312364
57		9.2R	29 45.152	-0.0044	15	-27 40 58.24	-0.004	15	0.30	45.225	16	33.4	58.17	16	33.4	F8 J	13B	9729	J -2710428
58		8.4R	29 45.229	-0.0048	12	-29 24 32.78	-0.018	12	0.25	45.308	16	33.4	32.48	16	33.4	G5 J	13B	9728	J -2911758
59		9.1A	29 46.019	-0.0022	15	-20 41 36.99	-0.018	11	0.27	46.056	16	33.4	36.70	16	33.4	G5 J	13A	6419	A -20 4255
60		9.0R	29 56.342	0.0010	18	-22 51 2.55	0.002	18	0.34	56.325	16	33.4	2.58	16	33.4	K2 J	14	11017	E -2211050
61		9.1A	29 58.631	-0.0020	15	-20 27 49.41	-0.030	12	0.27	58.664	16	33.4	48.91	16	33.4	K2 J	13A	6421	A -20 4256
62		8.5R	30 3.550	0.0003	12	-29 29 31.14	-0.003	12	0.25	3.546	16	33.4	31.09	16	33.4	K5 J	13B	9730	J -2911763
63		7.5T	30 8.256	-0.0030	09	-25 37 56.39	-0.043	08	0.45	8.405	10	00.1	54.14	12	97.3	K2	GC	20890	C -2510968
64		9.0A	30 10.868	-0.0029	20	-20 28 59.01	-0.012	15	0.33	10.917	16	33.4	58.82	16	33.4	K0 J	13A	6422	A -20 4257
65		7.1T	30 11.123	-0.0002	10	-24 19 15.81	-0.042	09	0.53	11.135	15	98.5	13.40	17	93.0	A3	GC	20892K	C*-2412155
66		9.1R	30 11.535	-0.0010	17	-29 33 10.53	-0.022	17	0.32	11.552	16	33.4	10.16	16	33.4	A0 J	13B	9731	J -2911765
67		7.0T	30 11.638	-0.0020	10	-24 19 19.48	-0.026	09	0.47	11.737	10	01.2	18.14	12	98.8	A3	GC	20893K	C*-2412155
68		8.4R	30 18.895	-0.0006	12	-23 17 50.62	-0.019	12	0.25	18.906	16	33.4	50.30	16	33.4	K5 J	14	11023	E -2312372
69		9.1R	30 20.317	-0.0002	15	-24 51 32.89	0.007	15	0.30	20.320	16	33.4	33.01	16	33.4	B5 J	14	11022	E -2412156
70		9.1A	30 33.755	0.0001	17	-20 4 38.97	-0.052	13	0.30	33.753	18	33.9	38.13	16	33.9	G5 J	12B	6424	A -19 4140
71		8.7A	30 48.700	-0.0017	15	-20 22 52.06	-0.023	12	0.27	48.728	16	33.4	51.68	16	33.4	A2 J	13A	6426	A -20 4260
72		7.6T	30 56.197	-0.0042	08	-24 56 35.94	-0.024	09	0.52	56.446	15	90.7	34.54	17	91.7	F8	GC	20909	C -2412161
73		8.8R	31 0.338	-0.0021	12	-25 30 9.54	-0.065	12	0.25	0.372	16	33.4	8.47	16	33.4	G0 J	14	11026	E -2510971
74		8.7R	31 4.062	0.0009	18	-24 41 0.39	-0.002	18	0.34	4.047	16	33.4	0.36	16	33.4	K0 J	14	11027	E -2412163
75		8.0A	31 15.001	0.0007	15	-21 8 40.03	-0.007	12	0.27	14.988	16	33.4	39.92	16	33.4	A0 J	13A	6428	A -20 4262
76		9.0R	31 18.997	0.0039	15	-24 4 0.72	0.011	15	0.30	18.932	16	33.4	0.89	16	33.4	G5 J	14	11028	E -2312384
77		9.4R	31 24.920	0.0005	15	-27 32 14.86	-0.016	15	0.30	24.911	16	33.4	14.59	16	33.4	F8 J	13B	9739	J -2710441
78		9.2R	31 25.452	0.0006	18	-22 50 2.59	-0.012	18	0.34	25.442	16	33.4	2.39	16	33.4	A2 J	14	11029	E -2211064
79		8.7A	31 34.863	-0.0015	18	-21 45 6.71	-0.006	13	0.31	34.887	16	33.4	6.61	16	33.4	A0 J	13A	6430	A -21 4145
80		5.2T	31 35.056	0.0011	04	-27 52 47.95	-0.036	04	0.24	35.006	10	02.7	46.16	10	99.9	K0	GC	20918	C*-2710443
81		9.3R	31 35.453	-0.0017	15	-24 48 19.24	-0.012	15	0.30	35.480	16	33.4	19.04	16	33.4	G5 J	14	11030	E -2412170
82		8.7R	31 37.521	0.0015	12	-28 44 0.35	-0.015	12	0.25	37.497	16	33.4	0.10	16	33.4	K0 J	13B	9741	J -2811418
83		9.0R	31 43.716	-0.0010	17	-28 31 51.78	-0.008	17	0.32	43.733	16	33.4	51.64	16	33.4	K5 J	13B	9742	J -2811419
84		8.6R	31 45.696	-0.0026	15	-27 57 50.35	-0.011	15	0.30	45.740	16	33.4	50.18	16	33.4	G5 J	13B	9743	J -2710445
85		9.5R	31 45.736	-0.0011	18	-22 36 17.70	-0.001	18	0.34	45.753	16	33.4	17.68	16	33.4	K0 J	14	11031	E -2211071
86		8.9R	31 46.034	-0.0041	20	-27 19 28.68	-0.018	20	0.36	46.103	16	33.4	28.39	16	33.4	F5 J	13B	9744	J -2711447
87		8.2R	31 52.193	-0.0019	12	-26 59 12.21	-0.046	12	0.25	52.224	16	33.4	11.45	16	33.4	A0 J	14	11032	E -2610944
88		8.7R	31 57.432	0.0003	17	-28 48 6.63	-0.008	17	0.32	57.428	16	33.4	6.49	16	33.4	K0 J	13B	9746	J -2811422
89		8.6R	32 3.986	0.0009	18	-23 59 20.21	-0.048	18	0.34	3.971	16	33.4	19.40	16	33.4	K5 J	14	11033	E -2312390
90		9.0A	32 4.712	-0.0024	17	-20 53 31.54	-0.021	13	0.30	4.752	16	33.4	31.20	16	33.4	K5 J	13A	6432	A -20 4265
91		8.1T	32 7.575	-0.0037	13	-24 56 22.92	-0.052	12	0.71	7.766	19	98.2	20.15	19	96.7	F2	GC	20933	C -2412179
92		7.8R	32 10.707	-0.0023	12	-28 18 26.23	-0.049	12	0.25	10.745	16	33.4	25.42	16	33.4	F8 J	13B	9748	J -2811427
93		9.3A	32 16.070	0.0007	13	-21 58 33.68	-0.017	09	0.25	16.059	16	33.4	33.40	16	33.4	F5 J	13A	6434	A -21 4147
94		7.3T	32 16.582	-0.0017	11	-25 34 4.57	-0.020	09	0.55	16.671	15	97.4	3.43	17	92.1	A0	GC	20937	C -2510982
95		8.6A	32 17.072	-0.0001	18	-20 59 31.05	-0.015	13	0.31	17.073	16	33.4	30.81	16	33.4	A0 J	13A	6435	A -20 4266
96		7.6T	32 17.168	-0.0032	12	-28 53 3.12	-0.030	09	0.60	17.336	18	97.7	1.43	18	93.4	A0	GC	20938	C -2811429
97		9.2R	32 22.937	-0.0011	15	-26 19 3.67	0.005	15	0.30	22.956	16	33.4	3.76	16	33.4	K5 J	14	11036	E -2610946
98		8.7R	32 38.891	-0.0014	18	-24 59 2.35	0.004	18	0.34	38.913	16	33.4	2.41	16	33.4	A3 J	14	11038	E -2412183
99		8.7R	32 40.087	-0.0007	12	-26 8 8.15	-0.009	12	0.25	40.099	16	33.4	8.01	16	33.4	B9 J	14	11037	E -2510985
00		8.6R	32 41.001	-0.0037	15	-28 2 28.20	-0.070	15	0.30	41.062	16	33.4	27.94	16	33.4	K0 J	13B	9754	J -2710454

SOURCE: CAT. 14 — STAR NUMBER 10983

-20° 15H

DM NUMBER

183600

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	EPOCH 1950 μ s	EPOCH 1950 σ_μ ″.001	EPOCH 1950 δ_{1950} ° ′ ″	EPOCH 1950 μ' ″	EPOCH 1950 σ'_μ ″.001	EPOCH 1950 σ_{1950} ″	ORIGINAL EPOCH α_2 s	ORIGINAL EPOCH σ ″.01	ORIGINAL EPOCH ep.	ORIGINAL EPOCH δ_2 ″	ORIGINAL EPOCH σ' ″.01	ORIGINAL EPOCH ep.	SP.		SOURCE CAT.	SOURCE STAR NUMBER	-20° 15H DM NUMBER
1		8.8R	15 32 43.738	-0.0017	18	-23 58 16.03	-0.029	18	0.34	43.765	16	33.4	16.50	16	33.4	G5	J	14	11039	E -2312598
2		8.8R	32 45.679	0.0005	15	-23 12 7.19	-0.020	15	0.30	45.679	16	33.4	6.86	16	33.4	K0	J	14	11040	E -2311981
3		8.8R	32 48.045	0.0012	18	-24 8 36.96	0.001	18	0.34	48.025	16	33.4	36.97	16	33.4	F5	J	14	11041	E -2312593
4		8.3R	32 48.321	-0.0011	17	-29 24 30.39	-0.034	17	0.32	48.340	16	33.4	29.82	16	33.4	G0	J	13B	9745	J -2811797
5		9.2R	32 48.541	0.0009	18	-22 50 6.00	-0.020	18	0.34	48.526	16	33.4	5.67	16	33.4	K2	J	14	11042	E -2311982
6		7.0T	33 9.469	0.0001	11	-28 50 2.08	-0.013	09	0.58	9.465	18	97.3	1.35	18	93.5	K5		GC	20998	C -2811434
7		8.8A	33 11.101	-0.0005	18	-20 32 31.16	-0.016	13	0.31	11.109	16	33.4	30.90	16	33.4	K0	J	13A	6442	A -20 4274
8		7.7T	33 13.013	0.0038	11	-21 34 49.16	-0.090	12	0.59	12.825	18	01.1	44.69	17	00.5	G5		GC	20959	-21 4148
9		9.1A	33 14.985	-0.0002	15	-20 16 23.76	-0.018	12	0.27	14.990	16	33.4	23.47	16	33.4	F2	J	13A	6444	A -19 4133
10		9.0R	33 29.046	-0.0067	20	-28 22 54.07	0.016	20	0.36	29.158	16	33.4	54.34	16	33.4	F8	J	13B	9760	J -2811437
11		8.0R	33 37.629	-0.0024	18	-23 49 51.88	-0.055	18	0.34	37.668	16	33.4	50.96	16	33.4	F2	J	14	11043	E -2312406
12		8.6R	33 40.357	-0.0041	20	-28 41 10.57	-0.029	20	0.36	40.426	16	33.4	10.09	16	33.4	A3	J	13B	9761	J -2811439
13		8.5R	33 40.649	-0.0026	18	-23 53 49.06	-0.030	18	0.34	40.692	16	33.4	48.55	16	33.4	F5	J	14	11044	E -2312409
14		9.0R	33 43.606	-0.0008	20	-29 1 44.66	-0.052	20	0.36	43.620	16	33.4	43.80	16	33.4	G5	J	13B	9762	J -2811440
15		9.5R	33 47.576	-0.0022	18	-22 46 35.57	-0.026	18	0.34	47.611	16	33.4	35.14	16	33.4	F8	J	14	11045	E -2311989
16		9.2R	33 51.916	-0.0001	00	-24 25 19.85	-0.016	21	0.29	51.917	16	33.4	19.58	16	33.4	K0	J	14	11046	E -2412195
17		9.2R	33 56.014	0.0022	18	-22 26 19.29	-0.009	18	0.34	55.977	16	33.4	19.14	16	33.4	K5	J	14	11047	E -2311992
18		9.3A	33 57.059	-0.0007	17	-20 11 0.40	-0.020	13	0.30	57.070	16	33.4	0.07	16	33.4	F5	J	13A	6449	A -19 4158
19		8.8H	33 58.965	-0.0006	02	-27 58 15.39	-0.002	02	0.08	58.983	04	16.8	15.33	04	15.4	K2		F4	579	C -2710464
20		8.8R	34 1.853	0.0002	15	-24 8 56.50	0.044	15	0.30	1.850	16	33.4	57.22	16	33.4	G5	J	14	11049	E -2312414
21		8.6R	34 2.834	-0.0006	15	-25 41 51.25	-0.001	15	0.30	2.844	16	33.4	51.24	16	33.4	K2	J	14	11048	E -2510996
22		7.2T	34 6.332	-0.0009	10	-26 19 41.94	-0.007	09	0.56	6.379	15	97.0	41.56	17	92.3	B9		GC	20982	C*-2610958
23		9.3R	34 8.738	-0.0035	20	-29 7 20.49	-0.046	20	0.36	8.796	16	33.4	19.72	16	33.4	G0	J	13B	9767	J -2811445
24		8.5R	34 14.615	-0.0014	18	-23 29 14.33	0.002	18	0.34	14.639	16	33.4	14.36	16	33.4	G5	J	14	11051K	E -2312418
25		8.8A	34 15.434	-0.0020	18	-21 6 8.99	-0.087	13	0.31	15.467	16	33.4	7.55	16	33.4	G5	J	13A	6451	A -20 4279
26		9.5R	34 15.981	0.0007	18	-22 44 39.47	0.018	18	0.34	15.968	16	33.4	39.77	16	33.4	K0	J	14	11052	E -2311995
27		9.2R	34 17.492	-0.0062	15	-27 18 32.80	-0.027	15	0.30	17.594	16	33.4	32.36	16	33.4	G0	J	13B	9770	J -2710467
28		9.0R	34 20.231	-0.0022	15	-24 14 44.42	-0.039	15	0.30	20.268	16	33.4	43.76	16	33.4	K2	J	14	11053	E -2312420
29		8.6R	34 21.135	0.0018	20	-29 8 51.42	-0.069	20	0.36	21.106	16	33.4	50.28	16	33.4	G0	J	13B	9771	J -2811446
30		8.8A	34 23.542	0.0003	15	-21 15 14.86	-0.011	12	0.27	23.537	16	33.4	14.68	16	33.4	G5	J	13A	6452	A -20 4280
31		6.0T	34 28.166	-0.0007	07	-26 6 57.22	-0.026	07	0.38	28.201	10	99.0	55.88	12	97.7	B9		GC	20993	C -2511000
32		7.0T	34 35.654	0.0008	13	-21 57 9.90	0.035	13	0.67	35.612	17	00.8	11.59	17	01.3	A0		GC	20995	-21 4152
33		9.3R	34 40.142	-0.0022	20	-25 29 25.51	-0.046	20	0.36	40.178	16	33.4	24.75	16	33.4	F8	J	14	11056	E -2511004
34		8.6R	34 40.968	-0.0036	20	-26 27 21.26	-0.010	20	0.36	41.027	16	33.4	21.10	16	33.4	K5	J	14	11055	E -2610962
35		8.6R	34 46.457	-0.0006	15	-24 22 4.35	-0.013	15	0.30	46.470	16	33.4	4.13	16	33.4	K2	J	14	11057	E -2412204
36		9.3R	34 50.421	-0.0028	20	-26 12 26.74	-0.004	20	0.36	50.468	16	33.4	26.68	16	33.4	G0	J	14	11058	E -2511007
37		5.8T	34 51.356	-0.0016	08	-22 58 38.13	-0.083	08	0.34	51.426	07	06.5	34.50	09	06.2	K5		GC	21005	B*-22 3989
38		9.2A	34 56.169	-0.0018	17	-21 [illegible] 32.91	-0.024	13	0.30	56.198	16	33.4	32.52	16	33.4	F8	J	13A	6458	A -21 4153
39		9.2R	34 57.647	0.0010	18	-23 31 37.09	-0.030	18	0.34	57.631	16	33.4	36.58	16	33.4	K0	J	14	11060	E -2312424
40		9.4R	35 10.328	-0.0051	17	-24 7 58.50	-0.092	17	0.32	10.412	16	33.4	56.97	16	33.4	G0	J	14	11061	E -2312427
41		6.3T	35 12.915	0.0003	09	-28 2 36.52	-0.029	07	0.48	12.901	17	93.0	34.87	15	92.5	K2		GC	21011	C -2710478
42		8.0R	35 17.174	-0.0014	20	-29 25 59.09	-0.043	20	0.36	17.197	16	33.4	58.37	16	33.4	F0	J	13B	9777	J -2911834
43		9.1R	35 17.185	-0.0020	20	-28 25 15.82	0.021	20	0.36	17.219	16	33.4	16.18	16	33.4	F5	J	13B	9778	J -2811457
44		8.8A	35 17.740	-0.0023	18	-21 11 59.88	-0.022	13	0.31	17.779	16	33.4	59.52	16	33.4	K2	J	13A	6459	A -20 4284
45		9.1R	35 17.799	-0.0026	20	-28 52 11.26	0.016	20	0.36	17.843	16	33.4	11.52	16	33.4	K5	J	13B	9779	J -2811456
46		5.9T	35 21.560	0.0048	06	-20 51 9.12	-0.064	07	0.26	21.371	07	10.8	6.60	09	10.3	K0		GC	21014	-20 4285
47		8.4R	35 23.608	-0.0006	18	-24 29 31.95	-0.043	18	0.34	23.619	16	33.4	31.23	16	33.4	A0	J	14	11063	E -2412207
48		8.7A	35 24.790	0.0017	18	-20 11 9.26	-0.017	13	0.31	24.761	16	33.4	8.98	16	33.4	K0	J	13A	6461	A -19 4164
49		3.8T	35 34.733	-0.0011	03	-29 36 53.56	-0.033	03	0.15	34.778	06	08.1	52.12	06	06.5	B3		GC	21019	C*-2911637
50		8.5A	35 39.132	0.0023	18	-21 26 10.65	0.024	13	0.31	39.093	16	33.4	11.05	16	33.4	A5	J	13A	6463	A -21 4157
51		8.4R	15 35 42.176	-0.0024	18	-26 40 40.68	-0.080	18	0.34	42.217	16	33.4	39.36	16	33.4	F8	J	14	11064	E -2610966
52		9.1R	35 43.063	0.0043	15	-26 6.15	-0.012	15	0.30	43.042	16	33.4	5.96	16	33.4	K5	J	14	11065	E -2511013
53		9.1R	35 46.133	-0.0043	20	-28 18 48.40	-0.014	20	0.36	46.204	16	33.4	48.64	16	33.4	F8	J	13B	9783	J -2811462
54		7.6R	35 47.836	-0.0024	12	-28 53 12.55	0.001	12	0.25	47.875	16	33.4	12.57	16	33.4	K5	J	14	11066	E -2211109
55		9.0R	35 58.740	-0.0054	17	-27 5 1.45	-0.015	17	0.32	58.829	16	33.4	1.21	16	33.4	F5	J	14	11067	E -2610967
56		9.2R	36 4.220	-0.0077	20	-29 23 15.42	-0.008	20	0.36	4.348	16	33.4	15.28	16	33.4	G0	J	13B	9784	J -2911843
57		7.7R	36 5.259	0.0003	15	-22 18 41.67	0.013	15	0.30	5.255	16	33.4	41.88	16	33.4	K5	J	14	11068	E -2211112
58		8.6A	36 5.766	-0.0039	17	-20 25 14.18	-0.066	13	0.30	5.831	16	33.4	13.09	16	33.4	F5	J	13A	6471	A -20 4289
59		8.7A	36 5.974	-0.0011	18	-21 6 40.22	-0.019	13	0.31	5.991	16	33.4	39.91	16	33.4	F0	J	13A	6470	A -20 4288
60		9.3R	36 6.734	0.0005	18	-28 12 15.51	-0.053	18	0.34	6.725	16	33.4	14.64	16	33.4	K5	J	13B	9785	J -2710486
61		8.5R	36 12.104	-0.0017	18	-23 47 48.13	-0.018	18	0.34	12.131	16	33.4	47.82	16	33.4	K0	J	14	11069	E -2312446
62		9.4R	36 12.278	-0.0044	20	-29 30 44.36	-0.012	20	0.36	12.350	16	33.4	44.16	16	33.4	F5	J	13B	9786	J -2911845
63		9.4R	36 18.456	0.0004	20	-24 59 2.03	0.013	20	0.36	18.449	16	33.4	2.25	16	33.4	F2	J	14	11070	E -2412217
64		9.2R	36 22.878	-0.0022	20	-27 0 37.39	-0.008	20	0.36	22.915	16	33.4	37.26	16	33.4	G0	J	14	11071	E -2610970
65		6.2T	36 24.511	-0.0026	11	-22 59 17.32	-0.032	11	0.57	24.638	14	01.4	15.75	14	00.5	A0		GC	21039	-22 3996
66		9.2R	36 27.630	0.0006	15	-27 31 43.28	0.013	15	0.30	27.620	16	33.4	43.50	16	33.4	K0	J	13B	9790	J -2710491
67		8.5R	36 28.935	-0.0052	20	-28 20 40.77	-0.025	20	0.36	29.022	16	33.4	40.36	16	33.4	F8	J	13B	9791	J -2811472
68		7.7T	36 34.087	0.0006	10	-27 28 53.71	0.010	08	0.53	34.053	15	96.8	54.32	17	90.9	A0		GC	21041K	C*-2710492
69		8.9R	36 35.991	0.0001	15	-27 21 45.77	0.028	15	0.30	35.990	16	33.4	46.24	16	33.4	F5	J	13B	9794	J -2710494
70		9.0R	36 36.401	-0.0002	12	-25 12 3.41	-0.023	12	0.25	36.404	16	33.4	3.03	16	33.4	K5	M	14	11073	E -2412218
71		8.3R	36 38.274	-0.0007	20	-23 38 21.05	-0.037	20	0.36	38.286	16	33.4	20.43	16	33.4	F0	J	14	11074	E -2312447
72		9.2R	36 40.803	-0.0026	15	-27 12 49.79	-0.013	15	0.30	40.845	16	33.4	49.58	16	33.4	G5	J	13B	9795	J -2610973
73		8.7R	36 45.198	0.0012	18	-23 33 42.60	-0.009	18	0.34	45.178	16	33.4	42.44	16	33.4	M0	M	14	11075	E -2312450
74		9.1R	36 47.655	0.0028	18	-22 43 48.26	0.037	18	0.34	47.609	16	33.4	48.87	16	33.4	K2	J	14	11077	E -2211119
75		8.6R	36 49.094	-0.0004	20	-27 52 52.51	-0.023	20	0.36	49.100	16	33.4	52.13	16	33.4	K5	J	13B	9798	J -2710495
76		8.7R	36 50.164	0.0043	20	-29 35 15.42	-0.064	20	0.36	50.093	16	33.4	14.36	16	33.4	F8	J	13B	9796	J -2911854
77		8.6R	36 53.190	-0.0020	18	-23 18 23.74	0.008	18	0.34	53.223	16	33.4	23.87	16	33.4	K2	J	14	11078	E -2312454
78		9.1R	36 54.834	-0.0000	20	-29 47 20.26	-0.061	20	0.36	54.834	16	33.4	19.24	16	33.4	F8	J	13B	9799	J -2911855
79		9.3R	36 58.883	-0.0005	20	-28 45 29.10	-0.008	20	0.36	58.892	16	33.4	28.96	16	33.4	G	J	13B	9800	J -2811477
80		8.5R	37 2.491	-0.0043	20	-29 3 48.25	-0.009	20	0.36	2.563	16	33.4	48.10	16	33.4	A0	J	13B	9801	J -2811478
81		9.1R	37 9.376	0.0005	18	-27 53 53.86	-0.048	18	0.34	9.367	16	33.4	53.07	16	33.4	G5	J	13B	9804	J -2710497
82		9.4A	37 9.484	0.0091	15	-22 9 50.14	-0.050	11	0.27	9.333	16	33.4	49.31	16	33.4	G5	J	13A	6481	A -21 4160
83		8.9R	37 10.083	-0.0007	15	-22 14 46.72	0.008	15	0.30	10.094	16	33.4	46.85	16	33.4	M0	J	14	11079	E -2211126
84		8.3R	37 16.579	-0.0013	20	-29 48 23.46	-0.022	20	0.36	16.601	16	33.4	23.09	16	33.4	A0	J	13B	9805	J -2911857
85		8.8R	37 16.758	-0.0066	21	-23 25 44.29	0.044	21	0.38	16.867	16	33.4	45.02	16	33.4	K2	J	14	11080	E -2312457
86		5.1T	37 19.173	-0.0013	03	-23 39 25.48	-0.018	03	0.15	19.241	06	98.8	24.52	06	97.7	K0		GC	21067	C*-2314458
87		8.5R	37 19.832	-0.0001	20	-29 37 7.94	-0.008	20	0.36	19.833	16	33.4	7.80	16	33.4	G5	J	13B	9806	J -2911859
88		9.5R	37 20.473	-0.0022	12	-23 59 32.12	-0.001	12	0.25	20.510	16	33.4	32.09	16	33.4	F5	M	14	11082	E -2312456
89		9.0A	37 28.838	-0.0115	15	-20 48 31.57	-0.158	12	0.27	29.028	16	33.4	28.95	16	33.4	G5	J	13A	6483	A -20 4295
90		8.4R	37 30.970	-0.0014	20	-28 55 0.18	0.010	20	0.36	30.994	16	33.4	0.34	16	33.4	K5	J	13B	9809	J -2811482
91		8.6R	37 31.513	-0.0004	20	-29 9 50.78	-0.005	20	0.36	31.520	16	33.4	50.70	16	33.4	K2	J	13B	9810	J -2811484
92		8.5R	37 38.115	-0.0026	12	-25 25 52.94	-0.036	12	0.25	38.158	16	33.4	52.34	16	33.4	F2	J	14	11083	E -2511031
93		9.3R	37 38.769	0.0012	15	-23 43 12.96	-0.031	15	0.30	38.749	16	33.4	12.44	16	33.4	K2	M	14	11084	E -2312459
94		9.4R	37 42.463	-0.0010	12	-24 5 44.22	-0.020	12	0.25	42.479	16	33.4	43.88	16	33.4	B9	M	14	11085	E -2312460
95		9.1R	37 47.145	-0.0004	17	-29 14 25.11	0.063	17	0.32	47.151	16	33.4	26.16	16	33.4	G0	J	13B	9812	J -2811491
96		8.1A	37 48.621	-0.0006	11	-21 26 38.94	-0.012	09	0.23	48.631	16	33.4	38.75	16	33.4	K0	J	13A	6484	A -21 4165
97		9.1A	37 49.082	-0.0004	18	-21 1 40.22	-0.010	13	0.31	49.088	16	33.4	40.06	16	33.4	A5	J	13A	6485	A -20 4298
98		9.0R	38 0.895	-0.0024	12	-27 54 18.69	0.030	12	0.25	0.935	16	33.4	19.20	16	33.4	A0	J	13B	9813	J -2710498
99		9.1R	38 1.460	0.0007	15	-24 9 41.82	-0.011	15	0.30	1.449	16	33.4	41.63	16	33.4	F8	M	14	11086	E -2312463
00		8.4R	38 17.138	0.0029	18	-24 14 20.03	0.011	18	0.34	17.089	16	33.4	20.20	16	33.4	F2	J	14	11087	E -2312464

183700

EPOCH 1950 — ORIGINAL EPOCH — SOURCE — -20° 15H

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	α_{1950} h m s	μ s	σ_μ ″ .001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″ .001	σ_{1950} ″	α_2 s	σ ″ .01	ep.	δ_2 ″	σ' ″ .01	ep.	SP.	CAT.	STAR NUMBER	DM NUMBER
1		9.3R	15 38 17.222	-0.0002	17	-29 3 23.64	-0.051	17	0.32	17.226	16	33.4	22.79	16	33.4	K0	J	13B	9817	J -2811495
2		8.7R	38 21.634	-0.0020	12	-27 39 24.39	-0.025	12	0.25	21.668	16	33.4	23.99	16	33.4	G5	J	13B	9818	J -2710500
3		9.6R	38 23.282	-0.0010	15	-22 31 16.21	0.023	15	0.30	23.266	16	33.4	16.59	16	33.4	A7	M	14	11048	E -2211137
4		8.6R	38 25.340	-0.0010	12	-24 16 42.67	-0.014	12	0.25	25.356	16	33.4	42.43	16	33.4	K2	M	14	11049	E -2412230
5		7.6T	38 28.508	-0.0005	08	-29 8 23.27	-0.007	09	0.53	28.538	15	92.5	22.88	17	93.3	M0		GC	21042	C -2811499
6		8.9R	38 31.683	0.0003	15	-25 11 0.00	-0.022	15	0.30	31.677	16	33.4	-59.64	16	33.4	K0	J	14	11091	E -2412231
7		7.9T	38 32.995	-0.0042	11	-29 1 38.16	-0.047	10	0.56	33.213	15	98.3	35.58	18	94.9	K0		GC	21045	C -2811500
8		8.9R	38 33.322	0.0002	12	-27 57 45.00	-0.020	12	0.25	33.319	16	33.4	44.68	16	33.4	K0	J	13B	9822	J -2710502
9		8.6R	38 48.548	0.0007	12	-25 59 23.47	0.007	12	0.25	48.537	16	33.4	23.59	16	33.4	G5	J	14	11092	E -2511038
10		7.5R	38 48.969	-0.0029	17	-29 59 12.28	0.031	17	0.32	49.018	16	33.4	12.79	16	33.4	K0	J	13B	9823	J -2911877
11		9.2R	38 50.101	-0.0014	20	-29 58 42.02	-0.075	20	0.36	50.124	16	33.4	40.77	16	33.4	F5	J	13B	9824	J -2911878
12		7.9R	38 56.035	-0.0025	18	-23 6 44.93	-0.010	18	0.34	56.077	16	33.4	44.76	16	33.4	F8	J	14	11093	E -2211142
13		7.4T	38 59.562	-0.0024	16	-24 8 26.56	-0.046	17	0.82	59.681	18	01.1	24.32	18	01.7	A5		GC	21093	C -2312472
14		8.9R	39 5.124	-0.0026	20	-28 43 45.55	-0.041	20	0.36	5.168	16	33.4	44.87	16	33.4	F8	J	13B	9827	J -2811507
15		8.2R	39 7.336	0.0012	15	-22 52 38.50	-0.023	15	0.30	7.315	16	33.4	38.12	16	33.4	A0	J	14	11095	E -2211145
16		8.3A	39 14.612	0.0026	18	-21 44 25.23	-0.027	13	0.31	14.568	16	33.4	24.78	16	33.4	K0	J	13A	6495	A -21 4172
17		9.1A	39 18.079	0.0017	15	-21 8 54.95	-0.022	12	0.27	18.050	16	33.4	55.32	16	33.4	F8	J	13A	6496	A -20 4307
18		9.0R	39 28.903	0.0001	20	-29 14 41.59	-0.045	18	0.35	28.902	16	33.4	40.85	16	33.4	K5	J	13B	9831	J -2911882
19		8.9R	39 39.776	-0.0016	18	-25 4 33.10	-0.006	18	0.34	39.803	16	33.4	33.00	16	33.4	G5	J	14	11096	E -2412240
20		9.5R	39 41.023	0.0014	15	-25 49 53.87	-0.004	15	0.30	41.000	16	33.4	53.81	16	33.4	G0	M	14	11097	E -2511041
21		9.0R	39 48.670	0.0008	15	-28 2 7.72	-0.004	15	0.30	48.656	16	33.4	7.66	16	33.4	G5	J	13B	9834	J -2710514
22		9.2R	39 51.039	-0.0093	12	-26 3 37.74	-0.037	12	0.25	51.193	16	33.4	37.13	16	33.4	G0	J	14	11098	E -2511043
23		9.0A	39 57.615	-0.0012	17	-20 5 15.83	0.002	13	0.30	57.635	18	33.9	15.86	16	33.9	K2	J	12B	6500	A -19 4194
24		8.6R	40 1.028	-0.0014	12	-27 49 5.00	0.021	12	0.25	1.060	16	33.4	5.35	16	33.4	F2	J	13B	9838	J -2710516
25		8.4R	40 1.069	0.0003	12	-24 6 25.58	-0.007	12	0.25	1.064	16	33.4	25.46	16	33.4	K5	J	14	11099	E -2312481
26		8.8R	40 2.905	0.0002	15	-25 3 51.04	-0.016	15	0.30	2.902	16	33.4	50.77	16	33.4	K0	J	14	11100	E -2412241
27		8.6R	40 3.925	-0.0015	18	-24 59 34.37	0.010	18	0.34	3.949	16	33.4	34.54	16	33.4	A2	J	14	11101	E -2412242
28		9.0R	40 5.971	-0.0025	17	-29 21 27.54	-0.017	17	0.32	6.013	16	33.4	27.26	16	33.4	G0	M	13B	9841	J -2911893
29		9.7R	40 6.724	0.0013	20	-24 20 29.34	0.015	20	0.36	6.703	16	33.4	29.58	16	33.4	F5	M	14	11102	E -2412244
30		8.5R	40 9.173	-0.0021	15	-27 59 30.32	0.022	15	0.30	9.208	16	33.4	30.68	16	33.4	K0	J	13B	9842	J -2710520
31		7.2T	40 11.592	0.0011	11	-25 15 26.55	-0.012	08	0.53	11.537	18	00.3	25.94	18	98.1	F0		GC	21117K	C*-2511047
32		8.8R	40 15.521	-0.0013	20	-26 19 5.21	-0.033	20	0.36	15.542	16	33.4	4.67	16	33.4	F5	J	14	11104	E -2611000
33		8.5R	40 15.896	-0.0023	20	-29 2 8.11	-0.044	20	0.36	15.935	16	33.4	7.38	16	33.4	K0	J	13B	9843	J -2811516
34		9.2R	40 18.263	-0.0039	15	-24 29 47.03	-0.009	15	0.30	18.327	16	33.4	46.87	16	33.4	A0	J	14	11106	E -2412245
35		9.2R	40 19.222	-0.0018	20	-26 45 58.05	-0.024	20	0.36	19.253	16	33.4	57.66	16	33.4	F5	J	14	11105	E -2611001
36		8.9A	40 24.730	-0.0056	15	-20 57 40.13	-0.163	12	0.27	24.822	16	33.4	37.43	16	33.4	G0	J	13A	6503	A -20 4309
37		8.7R	40 25.777	-0.0072	20	-27 35 31.83	0.030	20	0.36	25.897	16	33.4	32.33	16	33.4	A3	J	13B	9847	J -2710521
38		9.3R	40 27.436	0.0022	18	-23 33 59.34	-0.025	18	0.34	27.399	16	33.4	58.92	16	33.4	K0	M	14	11107	E -2312484
39		9.1R	40 30.249	0.0000	13	-28 24 54.18	-0.033	13	0.27	30.249	16	33.4	53.63	16	33.4	G0	J	13B	9849	J -2811518
40		9.0R	40 37.974	0.0007	13	-28 26 7.15	0.015	13	0.27	37.963	16	33.4	7.41	16	33.4	F0	J	13B	9850	J -2811519
41		9.0R	41 4.578	-0.0026	20	-28 40 31.23	-0.046	20	0.36	4.622	16	33.4	30.46	16	33.4	A3	J	13B	9855	J -2811523
42		8.5R	41 8.062	0.0036	18	-22 32 54.09	-0.109	18	0.34	8.002	16	33.4	52.28	16	33.4	K0	J	14	11108	E -2211159
43		8.4R	41 12.834	0.0010	18	-27 56 4.73	-0.028	18	0.34	12.818	16	33.4	4.27	16	33.4	K5	J	13B	9856	J -2710525
44		9.0R	41 14.296	0.0023	18	-24 43 56.71	0.008	18	0.34	14.258	16	33.4	56.84	16	33.4	K2	J	14	11109	E -2412261
45		7.7T	41 19.087	-0.0041	15	-24 14 18.26	-0.003	17	0.75	19.280	12	03.4	18.10	14	03.5	A0		GC	21150	C -2312487
46		8.9R	41 20.601	-0.0009	20	-27 17 57.16	-0.063	20	0.36	20.616	16	33.4	56.12	16	33.4	G5	J	13B	9858	J -2710527
47		9.1A	41 24.516	0.0053	11	-22 13 13.75	-0.092	09	0.23	24.428	16	33.4	12.22	16	33.4	G0	J	13A	6506	A -21 4178
48		9.0R	41 25.649	-0.0020	18	-23 10 54.92	-0.036	18	0.34	25.682	16	33.4	54.32	16	33.4	F8	J	14	11112	E -2211162
49		9.0R	41 31.035	0.0003	20	-28 45 25.21	-0.010	20	0.36	31.031	16	33.4	25.04	16	33.4	M0	M	13B	9859	J -2811532
50		9.3R	41 38.400	-0.0006	20	-29 47 15.01	0.003	20	0.36	38.410	16	33.4	15.06	16	33.4	G5	M	13B	9861	J -2911916
51		8.7R	15 41 43.502	-0.0026	18	-24 3 13.65	-0.015	16	0.34	43.545	16	33.4	13.39	16	33.4	A2	J	14	11113	E -2312491
52		8.5R	41 55.849	-0.0106	18	-22 55 57.26	-0.198	16	0.34	56.025	16	33.4	53.97	16	33.4	G0	J	14	11114	E -2211167
53		8.8A	42 0.865	0.0013	15	-21 39 31.72	-0.019	12	0.27	0.844	16	33.4	31.40	16	33.4	B3	J	13A	6510	A -21 4180
54		8.1R	42 8.804	-0.0059	20	-28 22 33.94	0.022	20	0.36	8.902	16	33.4	34.31	16	33.4	K0	J	13B	9864	J -2811541
55		9.1R	42 12.561	0.0001	20	-29 46 52.62	-0.033	20	0.36	12.560	16	33.4	52.07	16	33.4	K0	M	13B	9865	J -2911927
56		8.2R	42 14.292	-0.0003	18	-22 44 4.68	0.001	18	0.34	14.297	16	33.4	4.69	16	33.4	F8	J	14	11115	E -2211169
57		8.9R	42 17.554	0.0032	18	-27 44 49.64	-0.006	18	0.34	17.501	16	33.4	49.55	16	33.4	K5	J	13B	9867	J -2710535
58		8.9R	42 25.207	0.0027	15	-26 8 34.53	-0.055	15	0.30	25.162	16	33.4	33.62	16	33.4	F5	M	14	11116	E -2511066
59		8.8R	42 31.518	-0.0022	18	-23 21 11.66	-0.075	18	0.34	31.554	16	33.4	10.42	16	33.4	F8	J	14	11117	E -2312498
60		8.5R	42 32.804	-0.0032	20	-29 3 36.45	-0.046	20	0.36	32.858	16	33.4	35.68	16	33.4	K2	J	13B	9872	J -2811552
61		8.7R	42 34.935	-0.0016	20	-27 28 27.72	-0.007	20	0.36	34.962	16	33.4	27.61	16	33.4	M1	M	13B	9873	J -2710541
62		9.5R	42 39.566	-0.0006	18	-24 36 37.92	0.029	18	0.34	39.576	16	33.4	38.40	16	33.4	G5	M	14	11118	E -2412274
63		7.0T	42 40.897	-0.0055	10	-29 53 8.43	-0.029	06	0.49	41.198	17	95.0	6.59	15	86.8	K0		GC	21168	C -2911930
64		9.0R	42 45.537	0.0047	20	-29 42 27.82	-0.036	20	0.36	45.459	16	33.4	27.22	16	33.4	A3	J	13B	9878	J -2911933
65		6.9T	42 46.147	-0.0014	14	-22 35 51.78	-0.035	14	0.68	46.213	10	02.9	50.12	12	02.4	K0		GC	21173	-22 4020
66		7.3R	42 46.366	-0.0011	15	-25 20 23.91	0.010	15	0.30	46.364	16	33.4	24.08	16	33.4	K5	J	14	11119	E -2511070
67		7.5T	42 50.908	-0.0063	06	-24 33 38.39	-0.058	05	0.26	51.210	09	02.1	35.55	10	01.1	K0		GC	21176	C*-2412275
68		9.0R	42 55.108	0.0061	17	-29 1 31.93	-0.001	17	0.32	55.007	16	33.4	31.91	16	33.4	F2	J	13B	9880	J -2811557
69		8.5R	42 55.347	0.0017	18	-24 24 13.65	-0.022	18	0.34	55.319	16	33.4	13.27	16	33.4	K5	J	14	11122	E -2412276
70		9.2A	43 0.246	-0.0018	15	-22 26 6.03	-0.017	11	0.27	0.275	16	33.4	5.75	16	33.4	K0	J	13A	6515	A -22 4021
71		9.1R	43 7.740	-0.0012	18	-27 55 4.59	-0.054	18	0.34	7.760	16	33.4	3.69	16	33.4	G0	M	13B	9882	J -2710549
72		6.5T	43 9.777	-0.0050	08	-27 54 22.38	-0.029	07	0.33	9.995	09	06.8	21.10	10	05.5	A5		GC	21182K	C*-2710550
73		9.5R	43 20.953	-0.0035	20	-29 9 16.39	-0.032	20	0.36	21.011	16	33.4	15.86	16	33.4	K0	M	13B	9887	J -2811562
74		8.9R	43 23.947	-0.0036	15	-23 53 9.76	0.031	15	0.30	24.007	16	33.4	10.26	16	33.4	G0	J	14	11123	E -2312507
75		9.4R	43 30.748	-0.0065	20	-29 1 51.53	-0.051	20	0.36	30.856	16	33.4	50.68	16	33.4	G5	M	13B	9890	J -2811565
76		9.4R	43 31.831	-0.0011	18	-23 45 20.93	-0.055	18	0.34	31.849	16	33.4	20.01	16	33.4	K0	M	14	11124	E -2312508
77		8.8R	43 37.842	0.0002	18	-26 33 8.74	-0.022	18	0.34	37.837	16	33.4	8.38	16	33.4	K5	J	14	11125	E -2611025
78		9.2R	43 42.444	0.0002	20	-26 57 4.78	0.019	20	0.36	42.441	16	33.4	5.10	16	33.4	A5	J	14	11126	E -2611028
79		9.0R	43 44.377	-0.0009	15	-26 13 24.37	-0.037	15	0.30	44.392	16	33.4	23.76	16	33.4	K0	J	14	11127	E -2511082
80		9.2R	43 45.019	-0.0079	18	-24 55 0.98	-0.006	18	0.34	45.150	16	33.4	0.85	16	33.4	G0	J	14	11128	E -2412284
81		8.5R	43 47.625	0.0002	15	-25 49 6.20	-0.004	15	0.30	47.621	16	33.4	6.14	16	33.4	K0	J	14	11129	E -2511085
82		8.7R	43 49.401	-0.0012	15	-25 5 17.35	-0.040	15	0.30	49.421	16	33.4	16.69	16	33.4	A3	J	14	11130	E -2412286
83		9.0R	43 54.864	-0.0060	20	-28 24 48.64	-0.193	20	0.36	54.963	16	33.4	45.45	16	33.4	G0	J	13B	9893	J -2811568
84		8.9R	44 0.909	-0.0001	12	-26 9 49.14	0.006	12	0.25	0.912	16	33.4	49.25	16	33.4	K0	J	14	11131	E -2511089
85		8.7R	44 1.062	-0.0023	15	-25 47 7.09	-0.013	15	0.30	1.100	16	33.4	6.88	16	33.4	G5	J	14	11132	E -2511090
86		9.2A	44 13.566	-0.0006	13	-21 22 41.37	-0.015	09	0.25	13.575	16	33.4	41.13	16	33.4	A2	J	13A	6520	A -21 4187
87		9.4R	44 15.192	0.0017	20	-26 53 34.09	0.025	20	0.36	15.163	16	33.4	34.51	16	33.4	K2	J	14	11133	E -2611035
88		8.3R	44 18.194	0.0025	20	-26 55 59.59	0.004	20	0.36	18.152	16	33.4	59.66	16	33.4	K0	J	14	11134	E -2611036
89		8.0R	44 22.721	-0.0013	15	-25 42 47.77	0.019	15	0.30	22.742	16	33.4	48.10	16	33.4	A2	J	14	11135	E -2511095
90		7.7T	44 26.083	-0.0069	12	-20 18 51.25	-0.135	11	0.55	26.407	09	03.0	44.71	12	01.5	G0		GC	21209	-20 4322
91		9.5R	44 28.622	-0.0035	18	-24 12 39.33	-0.012	18	0.34	28.680	16	33.4	39.12	16	33.4	F8	J	14	11136	E -2312514
92		9.1R	44 32.763	-0.0017	20	-28 7 11.58	-0.024	20	0.36	32.792	16	33.4	11.18	16	33.4	A2	J	13B	9885	J -2710565
93		8.2A	44 35.992	0.0011	13	-21 4 47.82	-0.010	09	0.25	35.974	16	33.4	47.66	16	33.4	G5	J	13A	6523	A -20 4323
94		9.0R	44 36.147	-0.0030	12	-29 9 33.56	-0.068	12	0.25	36.198	16	33.4	32.43	16	33.4	G0	J	13B	9886	J -2811574
95		9.0R	44 53.517	-0.0040	17	-29 14 37.06	-0.035	17	0.32	53.584	16	33.4	36.47	16	33.4	K0	J	13B	9889	J -2911960
96		9.2R	44 54.130	-0.0021	17	-29 21 18.82	-0.004	17	0.32	54.165	16	33.4	18.75	16	33.4	K0	J	13B	9900	J -2911961
97		6.9T	44 55.394	0.0027	11	-25 50 0.85	-0.009	09	0.57	55.248	18	96.3	0.36	18	93.2	A0		GC	21222	C -2511096
98		9.2A	44 55.772	-0.0019	17	-20 25 14.45	-0.039	13	0.30	55.804	16	33.4	13.81	16	33.4	G5	J	13A	6524	A -20 4324
99		8.9R	44 56.689	0.0014	12	-29 35 40.59	-0.012	12	0.25	56.666	16	33.4	40.39	16	33.4	K0	J	13B	99F1	J -2911963
00		9.1A	44 59.672	0.0000	17	-21 28 53.89	-0.010	13	0.30	59.671	16	33.4	53.73	16	33.4	K0	J	13A	6526	A -21 4192

183800

EPOCH 1950 — ORIGINAL EPOCH — SOURCE — −20° 15H

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	CAT.	STAR NUMBER	DM NUMBER
1		9.1R	15 45 1.638	-0.0009	15	-22 31 41.14	-0.010	15	0.30	1.623	16	33.4	40.97	16	33.4	G5 J	14	11139	E -2211190
2		7.3T	45 3.452	-0.0002	12	-25 3 44.40	-0.035	10	0.60	3.462	15	98.8	42.43	17	93.5	A5	GC	21225	C -2412296
3		9.2R	45 5.396	-0.0013	18	-23 38 30.35	-0.015	18	0.34	5.417	16	33.4	30.09	16	33.4	K0 J	14	11141	E -2312518
4		8.8R	45 6.596	-0.0077	18	-26 22 48.60	-0.137	18	0.34	6.725	16	33.4	46.33	16	33.4	G0 J	14	11140	E -2611040
5		9.0R	45 11.047	-0.0009	18	-23 12 20.31	-0.034	18	0.34	11.061	16	33.4	19.75	16	33.4	G0 J	14	11142	E -2211193
6		9.0R	45 11.569	-0.0024	18	-23 13 13.28	-0.086	18	0.34	11.609	16	33.4	11.86	16	33.4	G M	14	11143	E -2211194
7		9.2R	45 14.663	-0.0037	20	-28 32 49.51	-0.044	20	0.36	14.725	16	33.4	48.78	16	33.4	K0 M	13B	9903	J -2811584
8		8.8R	45 15.070	-0.0002	15	-23 31 42.48	0.009	15	0.30	15.073	16	33.4	42.62	16	33.4	K0 J	14	11145	E -2312522
9		8.8R	45 17.569	0.0008	18	-26 21 12.89	0.013	18	0.34	17.556	16	33.4	13.11	16	33.4	A2 J	14	11144	E -2611043
10		7.8T	45 18.359	-0.0027	10	-28 38 9.05	-0.019	09	0.57	18.504	18	97.1	8.00	18	94.6	F2	GC	21230	C -2811585
11		9.3A	45 25.863	-0.0020	15	-22 0 47.61	-0.023	11	0.27	25.896	16	33.4	47.23	16	33.4	F8 J	13A	6528	A -21 4194
12		8.7A	45 28.374	0.0010	18	-20 14 33.41	-0.008	13	0.31	28.358	16	33.4	33.28	16	33.4	K0 J	13A	6529	A -19 4221
13		6.7T	45 28.422	-0.0038	06	-23 40 52.33	-0.026	05	0.27	28.592	07	05.7	51.14	09	04.7	A5	GC	21235	C*-2312525
14		9.1T	45 31.810	-0.0008	14	-29 51 40.39	-0.011	14	0.69	31.846	22	03.9	39.88	22	03.9	F5	GC	21237	C -2911974
15		8.5R	45 40.071	0.0016	15	-27 25 46.02	0.052	15	0.30	40.045	16	33.4	46.89	16	33.4	B9 J	13B	9910	J -2710575
16		9.0R	45 42.371	0.0013	18	-27 2 21.41	-0.012	18	0.34	42.349	16	33.4	21.22	16	33.4	M0 M	14	11147	E -2611044
17		9.2A	45 46.187	0.0031	18	-20 0 41.33	-0.170	13	0.31	46.137	18	33.9	38.60	16	33.9	G5 J	12B	6532	A -19 4224
18		7.9T	45 46.828	-0.0005	12	-29 19 51.50	-0.023	10	0.60	46.854	18	98.9	50.25	18	95.5	A2	GC	21242	C -2911976
19		8.6A	45 51.201	0.0004	17	-21 3 59.43	-0.007	13	0.30	51.193	16	33.4	59.32	16	33.4	K5 J	13A	6534	A -20 4328
20		8.8R	45 52.644	0.0010	18	-23 31 59.24	0.007	18	0.34	52.627	16	33.4	59.35	16	33.4	F8 J	14	11148	E -2312527
21		9.0R	45 55.607	-0.0020	18	-28 8 41.73	-0.048	18	0.34	55.641	16	33.4	40.94	16	33.4	K5 J	13B	9913	J -2710577
22		7.5A	46 0.383	-0.0010	15	-20 17 47.80	-0.026	12	0.27	0.400	16	33.4	47.37	16	33.4	M2 J	13A	6536	A -20 4329
23		9.4R	46 4.622	-0.0033	12	-22 53 22.71	-0.068	12	0.25	4.677	16	33.4	21.58	16	33.4	G5 M	14	11149	E -2211200
24		8.5R	46 5.085	0.0016	15	-27 19 31.97	0.011	15	0.30	5.060	16	33.4	32.16	16	33.4	G5 J	13B	9916	J -2710579
25		8.9R	46 7.227	-0.0019	17	-28 37 26.16	0.004	17	0.32	7.259	16	33.4	26.22	16	33.4	K0 M	13B	9917	J -2811597
26		8.9A	46 11.945	0.0016	17	-22 8 58.37	-0.003	13	0.30	11.919	16	33.4	58.32	16	33.4	G5 J	13A	6538	A -21 4196
27		8.8R	46 17.976	0.0032	18	-26 23 36.45	-0.050	18	0.34	17.923	16	33.4	35.63	16	33.4	F5 J	14	11150	E -2611048
28		8.5R	46 24.195	0.0011	20	-28 45 19.15	-0.004	20	0.36	24.177	16	33.4	19.08	16	33.4	K5 J	13B	9920	J -2811599
29		7.7A	46 27.280	-0.0067	18	-20 7 58.46	0.004	13	0.31	27.388	18	33.9	58.52	16	33.9	K0 J	12B	6540	A -19 4227
30		8.9R	46 33.961	-0.0007	17	-29 16 28.70	-0.002	17	0.32	33.974	16	33.4	28.67	16	33.4	A2 J	13B	9922	J -2911989
31		8.5R	46 38.753	-0.0032	17	-28 45 16.73	-0.017	17	0.32	38.856	16	33.4	16.45	16	33.4	K2 J	13B	9924	J -2811600
32		8.7A	46 40.456	0.0006	17	-20 18 49.51	-0.020	13	0.30	40.443	16	33.4	49.18	16	33.4	A0 J	13A	6541	A -20 4331
33		7.8A	46 45.244	-0.0029	17	-20 37 34.17	-0.014	13	0.30	45.292	16	33.4	33.94	16	33.4	B8 J	13A	6542	A -20 4332
34		8.3R	46 47.961	-0.0033	12	-27 43 44.45	-0.050	12	0.25	48.016	16	33.4	43.62	16	33.4	G0 J	13B	9925	J -2710585
35		9.3R	46 49.416	0.0002	20	-28 9 42.64	0.028	20	0.36	49.412	16	33.4	43.11	16	33.4	G0 M	13B	9927	J -2710584
36		8.7R	46 59.814	-0.0001	18	-24 59 58.21	-0.019	18	0.34	59.815	16	33.4	57.89	16	33.4	A5 J	14	11153	E -2412314
37		7.7T	47 0.763	0.0002	16	-21 20 21.40	-0.022	14	0.73	0.753	19	02.7	20.35	12	01.5	K0	GC	21270	-21 4197
38		8.7R	47 1.790	-0.0008	15	-25 15 30.25	-0.023	15	0.30	1.802	16	33.4	29.87	16	33.4	A0 J	14	11154	E -2511122
39		9.3R	47 2.822	0.0011	20	-27 11 24.56	0.020	20	0.36	2.804	16	33.4	24.90	16	33.4	K0 J	13B	9929	J -2611055
40		9.1R	47 6.295	0.0010	18	-28 58 0.71	-0.024	18	0.34	6.277	16	33.4	0.31	16	33.4	A0 J	14	11155	E -2412315
41		8.5R	47 7.024	-0.0015	20	-28 33 11.34	0.022	20	0.36	7.049	16	33.4	11.70	16	33.4	A0 J	13B	9931	J -2811605
42		9.1R	47 8.705	-0.0026	20	-29 16 18.15	0.021	20	0.36	8.748	16	33.4	18.50	16	33.4	A3 J	13B	9932	J -2911999
43		9.4R	47 15.942	0.0003	18	-25 22 54.30	-0.089	18	0.34	15.936	16	33.4	52.82	16	33.4	G0 J	14	11156	E -2511123
44		8.7R	47 18.191	0.0035	20	-29 15 42.45	0.055	20	0.36	18.133	16	33.4	43.37	16	33.4	A2 J	13B	9934	J -2912003
45		9.4R	47 27.716	0.0017	17	-29 23 6.50	-0.024	17	0.32	27.688	16	33.4	6.10	16	33.4	M3 M	13B	9937	J -2912005
46		8.7R	47 29.243	0.0002	15	-22 43 17.81	0.001	15	0.30	29.240	16	33.4	17.83	16	33.4	K0 J	14	11157	E -2211213
47		6.7T	47 33.699	-0.0066	10	-26 8 18.27	-0.015	09	0.56	34.061	17	95.1	17.42	17	91.8	K0	GC	21277	C -2511125
48		8.4A	47 35.560	0.0012	15	-20 41 50.59	-0.034	12	0.27	35.540	16	33.4	50.03	16	33.4	A2 J	13A	6546	A -20 4335
49		8.2R	47 38.324	-0.0007	20	-26 22 43.41	0.027	20	0.36	38.335	16	33.4	43.87	16	33.4	G0 M	14	11159	E -2611059
50		7.1R	47 41.973	-0.0021	18	-23 6 25.76	-0.041	18	0.34	42.007	16	33.4	25.08	16	33.4	F8 J	14	11160	E -2211216
51		8.6R	15 47 45.674	-0.0028	15	-23 51 9.41	-0.003	15	0.30	45.719	16	33.4	9.35	16	33.4	G5 J	14	11161	E -2312546
52		8.9R	47 48.179	0.0012	12	-29 21 13.91	0.003	12	0.25	48.159	16	33.4	13.96	16	33.4	A0 J	13B	9940	J -2912011
53		9.3R	47 55.872	0.0002	20	-25 25 16.42	0.010	20	0.36	55.869	16	33.4	16.58	16	33.4	F8 J	14	11162	E -2511130
54		4.8T	47 57.944	-0.0013	03	-25 36 2.98	-0.027	03	0.18	58.008	07	99.8	1.56	07	96.5	B3	GC	21285	C*-2511131
55		8.3R	47 58.657	0.0053	20	-29 56 3.54	-0.127	20	0.36	58.569	16	33.4	1.43	16	33.4	G5 J	13B	9942	J -2912013
56		9.0R	47 59.792	0.0013	18	-24 54 29.18	-0.004	18	0.34	59.771	16	33.4	29.11	16	33.4	K0 J	14	11165	E -2412327
57		8.7R	48 0.068	-0.0006	18	-26 38 20.57	0.002	18	0.34	0.077	16	33.4	20.61	16	33.4	K0 J	14	11164	E -2611061
58		8.0R	48 8.364	-0.0053	18	-22 28 33.84	-0.024	18	0.34	8.452	16	33.4	33.44	16	33.4	F5 J	14	11166	E -2211218
59		9.0R	48 9.500	-0.0027	20	-29 5 27.09	-0.008	20	0.36	9.545	16	33.4	26.95	16	33.4	K0 M	13B	9944	J -2811615
60		9.2A	48 12.120	0.0006	17	-20 49 43.89	-0.018	13	0.30	12.110	16	33.4	43.59	16	33.4	A2 J	13A	6552	A -20 4338
61		8.6R	48 12.526	0.0001	20	-28 14 49.22	0.008	20	0.36	12.525	16	33.4	49.35	16	33.4	K0 J	13B	9947	J -2811616
62		9.2T	48 13.443	-0.0030	12	-29 32 7.18	-0.019	09	0.57	13.589	22	01.0	6.16	21	96.7	F5	GC	21287	C -2912017
63		8.8R	48 28.089	0.0011	15	-22 26 31.22	-0.004	15	0.30	28.070	16	33.4	31.15	16	33.4	K2 J	14	11167	E -2211221
64		8.2A	48 34.995	0.0007	15	-20 26 15.96	0.000	12	0.27	34.984	16	33.4	15.97	16	33.4	B9 J	13A	6554	A -20 4343
65		9.0A	48 38.813	-0.0004	15	-20 46 9.85	-0.030	12	0.27	38.820	16	33.4	9.35	16	33.4	K0 J	13A	6555	A -20 4344
66		9.0R	48 39.523	-0.0035	18	-25 28 55.09	-0.054	18	0.34	39.581	16	33.4	54.20	16	33.4	F8 J	14	11169	E -2511143
67		9.4R	48 44.474	-0.0074	21	-24 33 31.59	0.020	21	0.38	44.596	16	33.4	31.92	16	33.4	F8 M	14	11170	E -2412333
68		9.0R	48 45.003	0.0001	20	-28 35 32.95	-0.031	20	0.36	45.001	16	33.4	32.43	16	33.4	F8 M	13B	9952	J -2811625
69		9.1R	48 52.766	-0.0038	15	-26 13 5.78	-0.010	20	0.33	52.829	16	33.4	5.62	16	33.4	F8 J	14	11171	E -2511147
70		9.5R	48 56.747	-0.0025	20	-28 3 40.40	0.016	20	0.36	56.788	16	33.4	40.67	16	33.4	F8 M	13B	9953	J -2710606
71		9.2R	49 1.724	-0.0024	15	-25 58 21.86	0.011	15	0.30	1.765	16	33.4	22.05	16	33.4	F5 J	14	11173	E -2511149
72		7.0T	49 2.717	-0.0023	10	-26 22 26.59	-0.012	09	0.55	2.841	17	95.5	25.92	17	91.9	F0	GC	21310	C -2611073
73		6.4T	49 7.220	-0.0103	06	-29 44 11.21	-0.091	05	0.27	7.673	12	96.0	6.65	12	99.9	K0	GC	21313K	C*-2912030
74		9.2R	49 7.525	-0.0023	20	-24 49 30.41	0.016	20	0.36	7.562	16	33.4	30.68	16	33.4	K0 M	14	11175	E -2412335
75		8.2A	49 13.085	0.0011	11	-21 32 2.19	-0.030	09	0.23	13.068	16	33.4	1.69	16	33.4	A3 J	13A	6557	A -21 4207
76		9.2R	49 13.798	-0.0002	15	-26 10 6.40	-0.010	15	0.30	13.802	16	33.4	6.24	16	33.4	F8 J	14	11176	E -2511151
77		9.2T	49 16.151	-0.0021	13	-29 22 55.98	0.015	10	0.62	16.251	22	02.6	56.75	21	98.7	K2	GC	21317	C -2912033
78		8.8R	49 18.553	0.0012	12	-24 50 11.87	-0.005	12	0.25	18.534	16	33.4	11.79	16	33.4	K0 J	14	11177	E -2412337
79		9.2R	49 26.415	-0.0001	20	-26 59 54.62	0.002	20	0.36	26.415	16	33.4	54.66	16	33.4	A3 J	14	11179	E -2611076
80		9.3R	49 26.542	0.0000	12	-22 52 28.21	0.020	12	0.25	26.542	16	33.4	28.54	16	33.4	A0 J	14	11181	E -2211227
81		8.8R	49 30.774	-0.0028	20	-26 57 7.36	0.012	20	0.36	30.820	16	33.4	7.57	16	33.4	K5 J	14	11180	E -2611077
82		8.9R	49 32.723	0.0015	17	-29 16 39.93	-0.025	17	0.32	32.699	16	33.4	39.52	16	33.4	K5 J	13B	9958	J -2912037
83		7.9R	49 35.367	0.0005	18	-24 52 0.49	-0.027	18	0.34	35.358	16	33.4	0.04	16	33.4	M0 M	14	11182	E -2412339
84		8.4R	49 40.333	-0.0024	15	-26 56 30.86	-0.031	15	0.30	40.373	16	33.4	30.35	16	33.4	A0 J	14	11183	E -2611080
85		9.3R	49 40.592	-0.0036	20	-29 26 45.86	0.049	20	0.36	40.652	16	33.4	46.67	16	33.4	K0 M	13B	9959	J -2912038
86		8.9R	49 43.362	-0.0002	20	-25 56 49.61	0.030	20	0.36	43.366	16	33.4	50.12	16	33.4	M5 M	14	11184	E -2511162
87		8.8T	49 46.202	-0.0056	13	-29 42 54.94	0.005	11	0.62	46.459	22	03.9	55.18	22	01.3	K0	GC	21322	C -2912042
88		8.9R	49 47.396	-0.0023	12	-25 55 7.21	-0.020	12	0.25	47.434	16	33.4	6.89	16	33.4	F2 J	14	11185	E -2511163
89		8.6T	49 50.502	-0.0012	13	-29 41 39.96	-0.035	09	0.60	50.559	22	01.9	38.10	21	97.0	A5	GC	21323	C -2912044
90		9.3A	49 53.495	0.0003	15	-20 9 1.66	-0.014	12	0.27	53.491	16	33.4	1.43	16	33.4	A5 J	13A	6559	A -19 4248
91		9.0R	50 5.511	-0.0050	21	-24 37 3.51	-0.002	21	0.38	5.593	16	33.4	3.48	16	33.4	K0 J	14	11186	E -2412343
92		8.7R	50 21.752	0.0037	12	-28 50 14.24	0.025	12	0.25	21.691	16	33.4	14.65	16	33.4	F8 J	13B	9965	J -2811645
93		8.4R	50 24.792	0.0014	18	-27 32 34.62	-0.011	18	0.34	24.768	16	33.4	34.45	16	33.4	K2 J	13B	9967	J -2710623
94		8.6A	50 25.459	0.0009	11	-21 49 24.24	-0.019	09	0.23	25.444	16	33.4	23.92	16	33.4	A3 J	13A	6561	A -21 4214
95		5.1H	50 25.602	-0.0008	01	-20 1 8.70	-0.027	01	0.06	25.633	03	11.9	7.60	03	09.1	B3	F4	1415	C -19 4249
96		4.7T	50 36.264	-0.0011	03	-25 10 45.87	-0.028	03	0.18	36.323	07	97.0	44.30	07	93.8	B3	GC	21329K	C*-2412352
97		9.1A	50 37.045	-0.0015	17	-21 36 19.47	0.008	13	0.30	37.069	16	33.5	19.60	16	33.5	G5 J	13A	6564	A -21 4217
98		9.2A	50 49.528	-0.0002	11	-21 35 24.73	-0.026	09	0.22	49.531	16	33.5	24.30	16	33.5	G0 J	13A	6565	A -21 4219
99		9.5R	50 50.846	-0.0012	18	-28 2 37.67	0.002	18	0.34	50.866	16	33.5	37.71	16	33.5	B9 M	13B	9969	J -2710629
00		5.4T	50 54.345	-0.0017	04	-24 23 8.47	-0.026	04	0.22	54.424	07	01.3	7.17	09	00.6	B5	GC	21339	C*-2412354

183900

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ s	σ_μ ″ .001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″ .001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ ″ .01	ep.	δ_2 ″	σ' ″ .01	ep.	SP.		SOURCE CAT.	STAR NUMBER	-20° 15H DM NUMBER
1		5.4T	15 50 56.973	-0.0011	05	-23 49 50.36	-0.028	05	0.24	57.026	07	03.7	49.01	07	02.4	B3		GC	21341	C*-2512569
2		8.8A	50 57.694	-0.0019	15	-23 10 3.48	-0.001	12	0.27	57.725	16	33.5	3.47	16	33.5	K2	J	13A	6566	A -19 4253
3		9.0R	51 0.595	-0.0041	21	-25 5 33.11	0.042	21	0.38	0.162	16	33.5	33.80	16	33.5	K0	J	14	11152	E -2412555
4		8.9R	51 15.639	0.0033	18	-27 56 35.50	-0.015	18	0.34	15.585	16	33.5	35.25	16	33.5	K5	J	13B	9972	J -2710637
5		9.4R	51 16.621	0.0002	15	-23 1 18.69	-0.022	15	0.29	16.617	16	33.5	18.33	16	33.5	F8	J	14	11154	E -2211258
6		8.6R	51 23.043	0.0021	18	-27 24 52.19	-0.020	18	0.34	23.009	16	33.5	51.87	16	33.5	A3	J	13B	9974	J -2710645
7		6.0T	51 27.050	-0.0018	10	-27 11 30.18	-0.026	08	0.45	27.136	12	01.1	28.85	12	98.2	B5		GC	21352	C -2611096
8		9.1R	51 28.390	-0.0001	12	-29 0 15.74	-0.019	12	0.25	28.392	16	33.5	15.42	16	33.5	A3	J	13B	9976	J -2811668
9		8.8R	51 29.361	0.0008	15	-27 58 2.75	-0.043	15	0.29	29.347	16	33.5	2.05	16	33.5	K0	M	13B	9978	J -2710641
10		9.0A	51 30.662	-0.0016	17	-21 25 7.20	-0.015	13	0.30	30.688	16	33.5	6.96	16	33.5	F0	J	13A	6570	A -21 4223
11		8.6R	51 30.801	0.0008	15	-26 56 47.82	-0.030	15	0.29	30.788	16	33.5	47.33	16	33.5	F8	J	14	11195	E -2611097
12		9.4R	51 37.756	-0.0002	18	-23 47 47.97	0.001	18	0.34	37.709	16	33.5	47.98	16	33.5	F8	M	14	11198	E -2312570
13		8.8R	51 37.857	-0.0167	15	-25 51 33.10	0.107	15	0.29	38.133	16	33.5	34.88	16	33.5	K2	J	14	11196	E -2511183
14		5.9T	51 39.067	-0.0009	05	-25 5 49.31	-0.025	04	0.24	39.112	09	01.1	48.03	09	98.8	B8		GC	21355	C*-2412365
15		9.2R	51 41.234	-0.0012	17	-29 35 17.62	-0.001	17	0.31	41.254	16	33.5	17.60	16	33.5	K0	M	13B	9986	J -2912073
16		6.7T	51 44.263	0.0026	16	-22 37 10.25	-0.010	14	0.74	44.140	10	02.5	9.76	12	00.8	B8		GC	21356	-22 4046
17		9.5R	51 53.064	-0.0017	20	-22 46 1.95	-0.016	20	0.36	53.092	16	33.5	1.68	16	33.5	F5	M	14	11200	E -2211241
18		9.4R	51 53.445	-0.0004	20	-27 33 16.51	0.009	20	0.36	53.451	16	33.5	16.67	16	33.5	F8	M	13B	9981	J -2710642
19		8.5R	51 58.352	-0.0034	20	-27 45 26.23	0.001	20	0.36	58.408	16	33.5	26.25	16	33.5	G0	J	13B	9983	J -2710646
20		8.8R	52 1.247	-0.0003	21	-23 38 30.35	-0.023	21	0.38	1.253	16	33.5	29.96	16	33.5	G0	J	14	11201	E -2312575
21		8.9A	52 7.270	-0.0029	15	-20 6 28.72	-0.021	12	0.27	7.318	16	33.5	28.38	16	33.5	K0	J	13A	6573	A -19 4260
22		9.3R	52 8.585	-0.0030	20	-26 35 15.65	0.056	20	0.36	8.636	16	33.5	16.59	16	33.5	F2	M	14	11202	E -2611103
23		8.1R	52 11.170	0.0012	15	-25 38 1.17	0.007	15	0.29	11.151	16	33.5	1.29	16	33.5	K0	J	14	11203	E -2511186
24		9.0R	52 12.997	-0.0057	21	-24 11 38.07	-0.060	21	0.38	13.091	16	33.5	37.07	16	33.5	A0	J	14	11204	E -2312576
25		9.0R	52 14.796	-0.0016	12	-22 44 54.31	0.002	12	0.25	14.822	16	33.5	54.34	16	33.5	K5	M	14	11205	E -2211246
26		9.2A	52 17.709	-0.0029	18	-22 7 48.67	-0.053	13	0.31	17.757	16	33.5	47.79	16	33.5	A3	J	13A	6576	A -21 4225
27		8.5R	52 19.340	-0.0012	18	-23 13 17.85	-0.018	18	0.34	19.360	16	33.5	17.55	16	33.5	A2	J	14	11207	E -2211247
28		9.1R	52 22.148	-0.0039	12	-26 7 14.16	-0.018	12	0.25	22.212	16	33.5	13.87	16	33.5	F8	J	14	11206	E -2511189
29		8.8R	52 22.729	0.0007	18	-24 31 28.53	-0.003	18	0.34	22.717	16	33.5	28.48	16	33.5	K0	J	14	11208	E -2412379
30		8.3R	52 26.337	0.0023	12	-29 2 41.09	0.001	12	0.25	26.299	16	33.5	41.11	16	33.5	K2	J	13B	9986	J -2811690
31		5.6T	52 28.423	-0.0033	04	-26 7 12.41	-0.024	05	0.24	28.580	07	02.1	11.27	09	01.8	A2		GC	21371	C*-2511190
32		9.4R	52 38.100	0.0012	20	-28 16 27.57	0.014	20	0.36	38.080	16	33.5	27.80	16	33.5	K5	M	13B	9988	J -2811695
33		7.3T	52 39.527	-0.0016	10	-26 36 3.18	-0.084	09	0.57	39.612	15	95.9	58.45	18	93.5	F8		GC	21374K	C*-2611106
34		8.2T	52 40.681	0.0039	20	-28 12 53.65	-0.005	16	0.88	40.501	22	03.3	53.41	21	00.7	F0		GC	21375	C -2710651
35		8.6R	52 43.995	-0.0043	20	-27 48 23.62	0.036	20	0.36	44.066	16	33.5	24.22	16	33.5	K0	J	13B	9990	J -2710652
36		8.9A	52 51.192	0.0011	15	-20 47 56.29	-0.036	12	0.27	51.174	16	33.5	55.70	16	33.5	K2	J	13A	6579	A -20 4359
37		9.1R	52 55.922	-0.0015	18	-24 8 58.97	0.021	18	0.34	55.947	16	33.5	59.31	16	33.5	K5	M	14	11213	E -2312582
38		8.9R	52 57.468	-0.0014	20	-26 37 26.93	0.044	20	0.36	57.491	16	33.5	27.67	16	33.5	G0	J	14	11211	E -2611111
39		9.4R	52 58.685	0.0030	20	-26 48 51.66	-0.013	20	0.36	58.635	16	33.5	51.45	16	33.5	G0	M	14	11212	E -2611110
40		9.3R	53 1.818	-0.0025	20	-28 43 57.41	0.055	20	0.36	1.859	16	33.5	58.32	16	33.5	K0	M	13B	9992	J -2811704
41		9.1R	53 2.100	-0.0016	17	-27 2 23.06	0.020	17	0.31	2.127	16	33.5	23.40	16	33.5	A2	J	14	11214	E -2611113
42		7.9R	53 3.711	-0.0027	15	-25 47 25.31	-0.020	15	0.29	3.756	16	33.5	24.99	16	33.5	A2	J	14	11215	E -2511192
43		9.3R	53 6.251	-0.0014	20	-28 3 37.44	-0.060	20	0.36	6.273	16	33.5	36.45	16	33.5	F5	M	13B	9993	J -2710656
44		8.6Q	53 8.068	-0.0057	18	-21 22 49.63	-0.041	15	0.75	8.307	19	07.9	47.71	18	03.9	A0		GC	21388	-21 4227
45		8.7R	53 10.184	-0.0009	15	-23 44 53.35	-0.041	15	0.29	10.199	16	33.5	52.64	16	33.5	A5	J	14	11217	E -2312584
46		8.9R	53 10.439	-0.0018	18	-23 19 52.33	-0.014	18	0.34	10.468	16	33.5	52.10	16	33.5	A0	J	14	11218	E -2312585
47		8.8R	53 11.634	-0.0013	12	-25 39 35.38	-0.009	12	0.25	11.655	16	33.5	35.24	16	33.5	A2	J	14	11216	E -2511193
48		9.1R	53 14.441	-0.0030	15	-25 36 5.97	-0.008	15	0.29	14.490	16	33.5	5.84	16	33.5	G5	M	14	11219	E -2511196
49		8.9R	53 17.398	-0.0017	15	-27 17 48.01	0.016	15	0.29	17.426	16	33.5	48.27	16	33.5	A5	J	14	11220	E -2511197
50		8.5R	53 20.712	-0.0008	20	-27 54 26.86	0.007	20	0.36	20.725	16	33.5	26.98	16	33.5	K2	J	13B	9995	J -2710660
51		9.4R	15 53 23.771	0.0043	20	-28 35 34.34	0.008	20	0.36	23.700	16	33.5	34.47	16	33.5	F8	M	13B	9996	J -2811708
52		8.3A	53 26.741	0.0012	17	-20 37 47.92	-0.005	13	0.30	26.721	16	33.5	47.84	16	33.5	K5	J	13A	6582	A -20 4362
53		9.0R	53 38.006	-0.0026	18	-24 11 30.46	-0.021	18	0.34	37.962	16	33.5	30.11	16	33.5	F8	J	14	11222	E -2312590
54		8.2A	53 41.089	0.0005	17	-21 39 27.79	-0.020	12	0.29	41.081	16	33.5	27.46	16	33.5	K0	J	13A	6583	A -21 4229
55		8.7A	53 42.373	0.0010	15	-20 17 10.84	-0.008	12	0.27	42.357	16	33.5	10.71	16	33.5	G5	J	13A	6585	A -20 4363
56		8.2A	53 43.265	-0.0002	15	-21 53 0.02	-0.036	12	0.27	43.268	16	33.5	59.42	16	33.5	A3	J	13A	6584	A -21 4228
57		4.0T	53 47.507	-0.0006	03	-29 4 10.42	-0.021	03	0.16	47.537	06	01.7	9.37	06	99.8	B3		GC	21398K	C*-2811714
58		8.0R	53 49.726	-0.0005	18	-23 2 23.26	-0.054	18	0.34	49.734	16	33.5	22.37	16	33.5	A0	J	14	11224	E -2211262
59		9.0R	53 49.951	-0.0002	20	-29 0 42.80	0.003	20	0.36	49.955	16	33.5	42.85	16	33.5			13B	10000	J -2811715
60		8.8A	53 54.118	0.0009	17	-22 4 31.66	-0.053	13	0.30	54.103	16	33.5	30.78	16	33.5	F5	J	13A	6587	A -21 4230
61		9.3R	53 55.506	-0.0020	15	-24 58 51.53	-0.011	15	0.29	55.540	16	33.5	51.35	16	33.5	A3	J	14	11225	E -2412397
62		8.0R	54 1.956	-0.0012	20	-28 32 8.14	0.009	20	0.36	1.976	16	33.5	8.29	16	33.5	K0	J	13B	10004	J -2811717
63		9.2R	54 4.210	0.0006	18	-25 7 9.65	0.021	18	0.34	4.202	16	33.5	10.00	16	33.5	K2	M	14	11226	E -2412400
64		8.3R	54 8.649	0.0020	18	-27 38 53.13	-0.064	18	0.34	8.615	16	33.5	52.08	16	33.5	K0	J	13B	10007	J -2710666
65		7.2T	54 10.179	-0.0021	11	-27 29 53.73	-0.067	10	0.60	10.290	18	96.3	50.09	18	95.4	F2		GC	21409	C -2710667
66		8.2R	54 11.082	-0.0024	20	-29 51 5.52	-0.026	20	0.36	11.121	16	33.5	5.09	16	33.5	F8	J	13B	10006	J -2912119
67		8.8A	54 11.953	-0.0021	15	-21 26 11.60	-0.031	12	0.27	11.987	16	33.5	11.09	16	33.5	F8	J	13A	6588	A -21 4232
68		8.5R	54 14.851	-0.0027	18	-25 6 35.10	0.014	18	0.34	14.896	16	33.5	35.33	16	33.5	A3	J	14	11227	E -2412403
69		7.0T	54 16.471	-0.0016	07	-21 20 31.68	-0.035	07	0.37	16.550	09	00.0	29.84	10	96.8	B9		GC	21413	-21 4233
70		9.5R	54 35.420	0.0003	18	-24 21 36.44	-0.008	18	0.34	35.415	16	33.5	36.30	16	33.5	K0	M	14	11228	E -2412414
71		9.3A	54 44.527	-0.0027	17	-21 54 27.30	-0.043	13	0.30	44.571	16	33.5	26.59	16	33.5	G0	J	13A	6595	A -21 4235
72		5.9T	54 44.790	-0.0012	07	-20 50 22.26	-0.021	07	0.41	44.853	12	97.5	21.17	14	97.0	B5		GC	21420	-20 4364
73		6.7T	54 50.185	-0.0006	10	-23 23 1.98	-0.011	08	0.49	50.216	17	96.2	1.38	17	94.9	B9		GC	21422	C -2312597
74		9.2R	54 58.047	0.0005	18	-26 33 16.78	-0.020	18	0.34	58.038	16	33.5	16.45	16	33.5	K2	J	14	11235	E -2611126
75		9.2R	54 58.278	0.0029	15	-25 42 15.61	-0.049	15	0.29	58.231	16	33.5	14.81	16	33.5	G0	J	14	11231	E -2511218
76		8.5R	55 2.562	-0.0012	15	-22 24 11.20	-0.003	15	0.29	2.582	16	33.5	11.15	16	33.5	A2	J	14	11232	E -2211269
77		9.6R	55 12.808	-0.0025	18	-24 12 3.87	-0.021	18	0.34	12.850	16	33.5	3.51	16	33.5	G0	J	14	11233	E -2312601
78		9.5R	55 14.146	-0.0009	18	-23 20 2.20	-0.033	18	0.34	14.160	16	33.5	1.65	16	33.5	G5	M	14	11234	E -2312602
79		9.3R	55 27.300	-0.0027	21	-27 48 48.15	0.062	21	0.38	27.345	16	33.5	49.18	16	33.5	F0	M	13B	10015	J -2710679
80		8.5R	55 29.277	-0.0012	18	-28 9 34.64	-0.074	18	0.34	29.297	16	33.5	33.41	16	33.5	F0	J	13B	10016	J -2710680
81		8.8A	55 33.173	0.0006	17	-21 15 30.84	-0.007	13	0.30	33.163	16	33.5	30.73	16	33.5	F2	J	13A	6594	A -20 4366
82		5.4T	55 34.632	-0.0010	06	-24 41 19.68	-0.021	06	0.29	34.677	09	04.7	18.69	09	02.9	B8		GC	21442	C*-2412427
83		7.6A	55 34.825	0.0001	15	-20 45 3.30	-0.058	12	0.27	34.824	16	33.5	2.33	16	33.5	A2	J	13A	6595	A -20 4368
84		8.7R	55 35.627	0.0001	15	-25 20 23.87	-0.010	15	0.29	35.626	16	33.5	23.71	16	33.5	K0	J	14	11236	E -2511224
85		8.9R	55 37.495	-0.0151	18	-23 45 49.96	-0.183	18	0.34	37.745	16	33.5	46.93	16	33.5	G5	J	14	11237	E -2312605
86		9.5R	55 38.890	-0.0026	18	-22 48 42.34	-0.015	18	0.34	38.933	16	33.5	42.09	16	33.5	G5	J	14	11238	E -2211272
87		3.0H	55 49.301	-0.0007	02	-25 58 18.14	-0.027	02	0.06	49.322	03	20.9	17.28	04	17.7	B2		F4	592	C -2511228
88		8.7R	55 50.364	-0.0011	20	-26 48 40.45	-0.008	20	0.36	50.382	16	33.5	40.33	16	33.5	K0	J	14	11240	E -2611133
89		9.0R	55 52.992	0.0015	12	-29 50 34.83	-0.019	12	0.25	52.967	16	33.5	34.51	16	33.5	K7	M	13B	10021	J -2912147
90		9.3R	55 52.994	-0.0021	20	-27 53 58.18	-0.034	20	0.36	53.029	16	33.5	57.63	16	33.5	F8	M	13B	10022	J -2710685
91		8.6A	56 4.306	0.0006	18	-20 52 30.50	-0.024	13	0.31	4.295	16	33.5	30.11	16	33.5	A3	J	13A	6597	A -20 4370
92		8.6R	56 6.472	-0.0043	20	-29 50 11.13	-0.053	20	0.36	6.543	16	33.5	10.25	16	33.5	F5	J	13B	10023	J -2912150
93		8.3R	56 9.452	-0.0019	18	-26 26 29.82	-0.020	18	0.34	9.484	16	33.5	29.50	16	33.5	A2	J	14	11241	E -2611137
94		9.0R	56 14.461	0.0007	20	-27 56 12.32	-0.001	20	0.36	14.450	16	33.5	12.31	16	33.5	K7	M	13B	10025	J -2710689
95		7.1T	56 24.685	0.0009	14	-26 52 29.03	-0.003	10	0.66	24.639	21	00.7	28.88	19	95.4	G5		GC	21459	C -2611145
96		9.1R	56 25.711	-0.0012	15	-22 54 33.45	0.004	15	0.29	25.731	16	33.5	33.51	16	33.5	K0	M	14	11243	E -2211280
97		9.0R	56 28.318	-0.0036	20	-28 50 50.45	0.005	20	0.36	28.378	16	33.5	50.53	16	33.5	A2	J	13B	10027	J -2811755
98		8.9R	56 29.467	0.0003	18	-24 58 32.70	-0.003	18	0.34	29.461	16	33.5	32.65	16	33.5	A0	J	14	11244	E -2412439
99		7.2T	56 32.166	-0.0054	12	-29 29 27.29	-0.049	10	0.62	32.445	18	98.4	24.59	18	94.8	G0		GC	21463	C -2912160
00		7.1T	56 32.812	0.0001	11	-29 56 31.00	-0.033	09	0.58	32.805	18	95.5	29.15	17	92.8	A2		GC	21464	C*-2912159

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NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	EPOCH 1950 μ s	EPOCH 1950 σ_μ .001	EPOCH 1950 δ_{1950} ° ′ ″	EPOCH 1950 μ' ″	EPOCH 1950 $\sigma_{\mu'}$ .001	EPOCH 1950 σ_{1950} ″	ORIGINAL EPOCH α_2 s	ORIGINAL EPOCH σ .01	ORIGINAL EPOCH ep.	ORIGINAL EPOCH δ_2 ″	ORIGINAL EPOCH σ' .01	ORIGINAL EPOCH ep.	SP.		SOURCE CAT.	SOURCE STAR NUMBER	DM NUMBER
1		8.2R	15 56 33.001	-0.0008	18	-24 3 16.97	-0.059	18	0.34	33.014	16	33.5	15.99	16	33.5	G0	J	14	11245	E -2312612
2		9.2R	56 38.434	-0.0006	20	-29 25 12.10	-0.042	20	0.36	38.444	16	33.5	11.41	16	33.5	K5	M	13B	10031	J -2912161
3		9.2R	56 39.361	-0.0012	15	-23 49 14.64	-0.012	15	0.29	39.381	16	33.5	14.44	16	33.5	G5	J	14	11246	E -2312614
4		9.1R	56 42.034	0.0020	20	-29 44 41.49	0.007	20	0.36	42.001	16	33.5	41.60	16	33.5	K0	M	13B	10032	J -2912162
5		8.8R	56 45.262	0.0018	18	-22 32 28.52	-0.063	18	0.34	45.232	16	33.5	27.49	16	33.5	K0	J	14	11247	E -2211282
6		9.1A	56 50.280	0.0018	15	-20 49 43.94	-0.005	12	0.27	50.250	16	33.5	43.86	16	33.5	F5	J	13A	6601	A -20 4375
7		9.2R	56 55.224	0.0021	18	-22 25 35.04	0.001	18	0.34	55.190	16	33.5	35.06	16	33.5	A2	J	14	11248	E -2211286
8		8.7R	57 0.163	0.0051	20	-29 50 51.52	0.041	20	0.36	0.079	16	33.5	52.20	16	33.5	A2	J	13B	10036	J -2912164
9		9.1R	57 1.452	-0.0011	20	-27 23 15.86	0.020	15	0.33	1.470	16	33.5	16.20	16	33.5	F8	J	13B	10038	J -2710698
10		8.8R	57 2.483	0.0008	18	-23 3 34.44	0.002	18	0.34	2.469	16	33.5	34.47	16	33.5	F0	J	14	11249K	E -2211287
11		8.8R	57 9.619	0.0036	20	-26 2 11.16	-0.009	20	0.36	9.559	16	33.5	11.02	16	33.5	F5	J	14	11250	E -2511242
12		9.0R	57 15.670	-0.0004	18	-27 12 28.83	-0.050	18	0.34	15.676	16	33.5	28.01	16	33.5	A5	J	13B	10040	J -2611143
13		8.8R	57 22.010	-0.0026	21	-23 35 27.07	-0.016	21	0.38	22.053	16	33.5	26.80	16	33.5	F5	J	14	11251	E -2312625
14		2.5H	57 22.318	-0.0007	01	-22 28 51.37	-0.025	01	0.04	22.347	02	09.4	50.40	02	11.4	B0		F4	594	-22 4068
15		9.2A	57 24.828	0.0013	18	-21 21 3.97	-0.019	13	0.31	24.806	16	33.5	3.66	16	33.5	M2	J	13A	6606	A -21 4247
16		8.7R	57 28.496	0.0003	15	-26 30 41.02	0.008	15	0.29	28.490	16	33.5	41.16	16	33.5	K2	J	14	11253	E -2611146
17		9.0R	57 40.359	-0.0003	15	-26 15 3.80	-0.008	15	0.29	40.364	16	33.5	3.68	16	33.5	G0	J	14	11254	E -2611150
18		9.2R	57 41.828	-0.0055	20	-29 45 36.73	-0.010	20	0.36	41.918	16	33.5	36.56	16	33.5	F5	M	13B	10044	J -2912175
19		9.0A	57 45.325	0.0013	15	-22 6 39.49	-0.021	12	0.27	45.304	16	33.5	39.14	16	33.5	K0	J	13A	6608	A -21 4249
20		8.5R	57 54.259	0.0001	18	-24 39 9.77	-0.009	18	0.34	54.258	16	33.5	9.62	16	33.5	A3	J	14	11255	E -2412455
21		9.0R	57 58.167	-0.0033	15	-27 4 18.52	-0.007	15	0.29	58.221	16	33.5	18.41	16	33.5	A3	J	14	11256	E -2611153
22		9.2R	57 58.374	0.0017	18	-23 29 17.02	-0.062	18	0.34	58.346	16	33.5	15.99	16	33.5	F5	J	14	11258	E -2312629
23		8.9R	57 58.516	-0.0016	20	-27 50 20.67	0.049	20	0.36	58.542	16	33.5	21.48	16	33.5	A2	J	13B	10046	J -2710707
24		8.0R	58 1.172	-0.0045	20	-26 54 26.01	0.001	20	0.36	1.247	16	33.5	26.04	16	33.5	F2	J	14	11257	E -2611154
25		8.5R	58 6.320	0.0002	20	-28 11 35.16	0.016	20	0.36	6.317	16	33.5	35.42	16	33.5	K2	J	13B	10048	J -2710709
26		9.2R	58 7.329	0.0001	17	-28 51 44.15	0.010	17	0.31	7.328	16	33.5	44.31	16	33.5	A0	J	13B	10049	J -2811789
27		7.8R	58 8.329	0.0022	18	-24 7 37.23	-0.005	18	0.34	8.292	16	33.5	37.14	16	33.5	K2	J	14	11259	E -2312631
28		9.2R	58 9.863	-0.0002	21	-29 36 41.69	-0.004	21	0.38	9.865	16	33.5	41.62	16	33.5	K0	M	13B	10051	J -2912183
29		7.6A	58 9.888	0.0010	18	-21 0 57.19	-0.016	13	0.31	9.871	16	33.5	56.93	16	33.5	K0	J	13A	6611	A -20 4380
30		8.4A	58 10.843	-0.0005	17	-22 1 43.17	-0.002	13	0.30	10.851	16	33.5	43.14	16	33.5	F0	J	13A	6610	A -21 4250
31		9.0R	58 17.544	0.0017	18	-23 53 15.40	0.021	18	0.34	17.516	16	33.5	15.74	16	33.5	F0	J	14	11260	E -2312633
32		8.6R	58 25.782	0.0005	18	-25 3 32.07	-0.032	18	0.34	25.774	16	33.5	31.54	16	33.5	A2	J	14	11261	E -2412458
33		9.4R	58 31.849	-0.0016	20	-25 24 21.78	0.032	20	0.36	31.875	16	33.5	22.31	16	33.5	K0	M	14	11263	E -2511263
34		9.3R	58 32.768	-0.0008	17	-28 19 27.36	0.049	17	0.31	32.782	16	33.5	28.18	16	33.5	G0	M	13B	10053	J -2811797
35		8.8R	58 32.920	-0.0009	15	-27 8 22.84	-0.032	15	0.29	32.935	16	33.5	22.32	16	33.5	G5	J	14	11262	E -2611158
36		9.1R	58 35.074	-0.0027	15	-24 8 43.88	0.058	15	0.29	35.118	16	33.5	44.83	16	33.5	G0	J	14	11264	E -2312637
37		9.3R	58 37.235	0.0000	21	-28 19 4.22	0.070	21	0.38	37.235	16	33.5	5.38	16	33.5	K5	M	13B	10054	J -2811798
38		8.7R	58 40.740	0.0005	18	-24 11 9.73	-0.030	18	0.34	40.732	16	33.5	9.23	16	33.5	G5	J	14	11265	E -2312639
39		8.9R	58 42.770	0.0004	15	-28 9 58.95	-0.015	15	0.29	42.764	16	33.5	58.70	16	33.5	M0	M	13B	10055	J -2710717
40		9.1R	58 52.427	-0.0010	15	-22 40 4.35	0.006	15	0.29	52.443	16	33.5	4.45	16	33.5	A2	J	14	11266	E -2211301
41		9.2R	58 52.825	-0.0017	20	-28 22 35.89	-0.015	20	0.36	52.854	16	33.5	35.65	16	33.5	G0	J	13B	10060	J -2811804
42		8.9R	58 54.582	-0.0029	20	-28 50 39.35	0.021	20	0.36	54.631	16	33.5	39.70	16	33.5	M2	M	13B	10061	J -2811805
43		7.3A	58 58.408	-0.0010	17	-21 50 28.77	-0.012	13	0.30	58.424	16	33.5	28.57	16	33.5	B9	J	13A	6614	A -21 4255
44		8.9A	59 9.979	0.0040	15	-20 37 1.92	0.010	11	0.26	9.912	16	33.5	2.09	16	33.5	F0	J	13A	6615	A -20 4384
45		8.0R	59 15.671	-0.0004	18	-24 43 55.88	-0.026	18	0.34	15.678	16	33.5	55.45	16	33.5	B9	J	14	11268	E -2211306
46		9.2R	59 18.175	-0.0004	18	-24 43 49.05	-0.018	18	0.34	18.181	16	33.5	48.75	16	33.5	K0	J	14	11267	E -2412471
47		7.9R	59 26.849	0.0030	12	-26 0 34.98	0.009	12	0.25	26.800	16	33.5	35.13	16	33.5	M3	M	14	11269	E -2511281
48		9.4R	59 28.145	-0.0004	18	-24 47 31.42	0.109	18	0.34	28.151	16	33.5	33.22	16	33.5	K0	J	14	11271	E -2412475
49		6.2T	59 33.257	0.0028	07	-28 59 51.70	-0.016	07	0.33	33.139	10	07.5	51.01	10	06.5	K0		GC	21540K	C -2811817
50		9.2A	59 33.694	-0.0021	18	-20 21 42.85	-0.039	13	0.31	33.729	16	33.5	42.21	16	33.5	K5	J	13A	6619	A -20 4385
51		9.0R	15 59 35.398	-0.0006	18	-23 32 30.48	0.018	18	0.34	35.407	16	33.5	30.77	16	33.5	K0	J	14	11272	E -2312649
52		9.0R	59 35.502	-0.0007	20	-28 35 59.94	-0.023	20	0.36	35.514	16	33.5	59.56	16	33.5	K2	M	13B	10066	J -2811819
53		8.4R	59 42.076	-0.0007	12	-26 6 56.18	0.004	12	0.25	42.087	16	33.5	56.25	16	33.5	K0	J	14	11273	E -2511290
54		9.4R	59 42.222	-0.0002	21	-24 6 39.06	-0.033	21	0.38	42.225	16	33.5	38.51	16	33.5	K0	J	14	11274	E -2312652
55		7.7R	59 46.826	0.0011	15	-23 2 35.26	0.012	15	0.29	46.808	16	33.5	35.46	16	33.5	A2	J	14	11276	E -2211307
56		9.2R	59 47.115	0.0002	18	-24 59 19.55	0.006	18	0.34	47.112	16	33.5	19.65	16	33.5	K0	J	14	11275	E -2412479
57		8.5R	59 49.247	-0.0025	20	-28 20 3.44	0.043	20	0.36	49.288	16	33.5	4.15	16	33.5	K5	J	13B	10071	J -2811822
58		6.9T	59 51.332	0.0003	17	-24 52 35.41	-0.038	14	0.78	51.317	18	02.0	33.55	19	01.0	A0		GC	21544K	C*-2412481
59		7.7R	59 57.636	-0.0005	18	-24 2 9.24	-0.040	18	0.34	57.644	16	33.5	8.57	16	33.5	K2	J	14	11279	E -2312656
60		9.5R	16 0 3.885	-0.0012	21	-24 1 15.31	-0.032	21	0.38	3.904	16	33.5	14.77	16	33.5	F2	M	14	11280	E -2312657
61		9.0R	0 6.693	-0.0020	15	-28 0 37.00	-0.011	15	0.29	6.725	16	33.5	36.83	16	33.5	A0	J	13B	10073	J -2710730
62		8.4R	0 7.498	0.0001	18	-26 29 32.53	-0.042	18	0.34	7.497	16	33.5	31.84	16	33.5	A0	J	14	11281	E -2611170
63		9.2A	0 7.742	0.0014	15	-20 20 1.09	-0.005	11	0.26	7.720	16	33.5	1.01	16	33.5	G5	J	13A	6622	A -20 4388
64		6.9T	0 13.302	0.0014	12	-26 34 36.68	-0.161	10	0.64	13.226	17	97.4	27.65	15	93.8	F8		GC	21554	C*-2611171
65		9.3R	0 13.455	-0.0033	21	-29 52 20.16	-0.047	21	0.38	13.509	16	33.5	19.38	16	33.5	F0	M	13B	10075	J -2912215
66		8.6R	0 13.599	-0.0018	12	-24 31 34.52	-0.018	12	0.25	13.629	16	33.5	34.22	16	33.5	A0	J	14	11284	E -2412488
67		9.2R	0 14.122	-0.0001	20	-26 15 11.34	0.010	20	0.36	14.124	16	33.5	11.51	16	33.5	K5	M	14	11283	E -2611173
68		5.1T	0 18.980	-0.0052	04	-25 43 38.83	-0.041	04	0.17	19.191	06	09.2	37.13	06	08.1	K0		GC	21556	C*-2511295
69		9.0R	0 22.739	-0.0040	20	-28 21 32.16	0.026	20	0.36	22.805	16	33.5	32.59	16	33.5	A0	J	13B	10077	J -2811827
70		8.7R	0 26.055	0.0004	20	-29 59 59.16	-0.049	20	0.36	26.048	16	33.5	58.35	16	33.5	F8	J	13B	10079	J -2912217
71		9.2R	0 28.304	-0.0015	17	-24 11 53.70	-0.037	17	0.31	28.329	16	33.5	53.08	16	33.5	K2	J	14	11286	E -2312660
72		9.0R	0 30.697	0.0004	20	-29 0 16.11	-0.029	20	0.36	30.690	16	33.5	15.63	16	33.5	K0	M	13B	10080	J -2811829
73		8.9R	0 35.798	-0.0023	20	-28 15 41.01	0.001	20	0.36	35.835	16	33.5	41.03	16	33.5	A0	J	13B	10081	J -2811831
74		8.9R	0 41.555	-0.0005	12	-26 51 29.24	0.002	12	0.25	41.563	16	33.5	29.28	16	33.5	F5	J	14	11287	E -2611177
75		6.4T	0 54.220	0.0001	10	-24 35 23.05	0.006	08	0.47	54.215	10	00.8	23.36	12	97.7	K0		GC	21571	C*-2412499
76		9.1R	1 5.092	-0.0019	15	-26 6 36.95	0.005	15	0.29	5.124	16	33.5	37.04	16	33.5	K2	J	14	11290	E -2511304
77		8.8T	1 6.849	-0.0197	20	-21 47 23.90	-0.182	16	0.87	7.769	19	03.4	14.89	18	00.6	K0		GC	21575	-21 4264
78		9.0R	1 11.735	-0.0027	17	-29 42 21.27	-0.014	17	0.31	11.780	16	33.5	21.03	16	33.5	K5	J	13B	10083	J -2912234
79		9.3R	1 12.676	-0.0010	15	-22 54 55.25	-0.014	15	0.29	12.692	16	33.5	55.02	16	33.5	K2	M	14	11292	E -2211323
80		9.4R	1 15.860	-0.0024	18	-26 5 6.53	-0.134	18	0.34	15.900	16	33.5	4.32	16	33.5	F8	J	14	11291	E -2511306
81		8.5R	1 18.832	0.0015	15	-25 8 16.82	0.002	15	0.29	18.807	16	33.5	16.85	16	33.5	A2	J	14	11293	E -2412506
82		9.3R	1 19.853	-0.0040	18	-23 36 44.74	0.016	18	0.34	19.918	16	33.5	44.99	16	33.5	F5	J	14	11294	E -2312670
83		7.7T	1 24.657	0.0005	09	-28 47 41.26	0.000	09	0.53	24.629	17	93.0	41.26	17	91.8	K5		GC	21588	C -2811841
84		8.9R	1 37.495	-0.0004	15	-26 20 58.60	-0.036	15	0.29	37.501	16	33.5	58.01	16	33.5	A3	J	14	11295	E -2611186
85		9.0R	1 37.593	0.0022	18	-24 48 7.29	-0.020	18	0.34	37.556	16	33.5	6.96	16	33.5	G5	J	14	11296	E -2412511
86		8.8A	1 39.071	-0.0006	17	-21 12 58.39	0.002	13	0.30	39.080	16	33.5	58.43	16	33.5	K2	J	13A	6631	A -20 4390
87		9.3R	1 46.060	0.0023	15	-25 9 13.87	-0.006	15	0.29	46.021	16	33.5	13.77	16	33.5	K5	M	14	11298	E -2412515
88		9.2R	1 49.881	-0.0043	20	-26 32 2.86	0.003	20	0.36	49.953	16	33.5	2.92	16	33.5	G0	J	14	11299	E -2611192
89		8.8A	1 56.541	-0.0023	18	-20 10 14.59	-0.079	13	0.31	56.579	16	33.5	13.29	16	33.5	G0	J	13A	6634	A -19 4303
90		9.0R	1 57.016	0.0008	18	-23 29 36.87	-0.025	18	0.34	57.002	16	33.5	36.45	16	33.5	K2	J	14	11301	E -2312679
91		9.0R	1 57.766	-0.0025	13	-28 22 12.32	0.052	13	0.27	57.807	16	33.5	13.18	16	33.5	A2	J	13B	10086	J -2811851
92		7.8R	1 57.971	0.0008	18	-26 48 44.01	-0.025	18	0.34	57.957	16	33.5	43.60	16	33.5	G5	J	14	11300	E -2611193
93		8.3R	1 59.473	-0.0019	12	-20 45 50.91	-0.024	09	0.51	59.558	17	04.8	49.71	15	00.8	A2		GC	21598	-20 4392
94		8.8R	2 1.853	-0.0048	12	-26 7 37.50	-0.014	12	0.25	1.933	16	33.5	37.28	16	33.5	F5	J	14	11302	E -2511317
95		8.6R	2 5.116	0.0002	20	-26 53 11.42	0.023	20	0.36	5.111	16	33.5	11.81	16	33.5	K0	J	14	11303	E -2611196
96		8.7R	2 8.653	-0.0001	15	-26 17 23.35	0.018	15	0.29	8.656	16	33.5	23.65	16	33.5	K2	J	14	11304	E -2611199
97		9.0R	2 10.499	-0.0019	21	-23 54 20.73	0.096	21	0.38	10.530	16	33.5	22.31	16	33.5	K0	J	14	11305	E -2312682
98		7.9T	2 19.846	-0.0015	12	-23 32 1.27	-0.033	09	0.59	19.927	18	97.3	-59.34	18	92.1	A0		GC	21606	C -2312687
99		9.5R	2 22.344	-0.0011	18	-27 15 16.43	-0.026	18	0.34	22.361	16	33.5	16.01	16	33.5	K2	M	13B	10090	J -2710756
00		8.2R	2 25.619	-0.0061	20	-26 49 26.75	-0.041	20	0.36	25.719	16	33.5	26.08	16	33.5	F5	J	14	11308	E -2611204

184100

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	σ'_μ ″.001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	CAT.	SOURCE STAR NUMBER	DM NUMBER
1		8.8R	16 2 31.025	0.0074	17	-28 26 33.90	-0.098	17	0.31	30.903	16	33.5	32.28	16	33.5	F8 J	13B	10091	J -2811861
2		8.8A	2 31.415	0.0016	17	-20 26 13.21	-0.040	13	0.30	31.388	16	33.5	12.55	16	33.5	G5 J	13A	6638	A -20 4396
3		9.0R	2 33.495	-0.0028	20	-27 2 44.56	-0.046	20	0.36	33.536	16	33.5	43.81	16	33.5	F8 J	14	11309	E -2611206
4		7.3R	2 35.251	-0.0058	18	-24 5 16.43	-0.081	18	0.34	35.346	16	33.5	15.08	16	33.5	K0 J	14	11310	E -2312692
5		7.1A	2 43.942	0.0228	18	-20 18 37.12	-0.341	13	0.31	43.564	16	33.5	31.49	16	33.5	K0 J	13A	6642	A -20 4399
6		8.0A	2 46.308	-0.0005	13	-21 42 13.53	-0.025	09	0.25	46.316	16	33.5	13.12	16	33.5	A0 J	13A	6643	A -21 4269
7		9.1R	2 54.428	0.0028	20	-27 38 3.58	0.056	20	0.36	54.382	16	33.5	4.52	16	33.5	F8 J	13B	10092	J -2710764
8		9.4R	2 55.117	-0.0017	12	-25 46 44.26	-0.024	12	0.25	55.145	16	33.5	43.89	16	33.5	F2 J	14	11311	E -2511333
9		8.9A	2 56.817	0.0005	18	-20 20 52.88	-0.013	13	0.31	56.859	16	33.5	52.67	16	33.5	A2 J	13A	6645	A -20 4402
10		8.9R	3 0.410	-0.0006	15	-22 27 49.77	0.011	15	0.29	0.420	16	33.5	49.95	16	33.5	K2 J	14	11313	E -2211343
11		9.0R	3 1.779	-0.0019	17	-28 52 1.54	-0.002	17	0.31	1.811	16	33.5	1.51	16	33.5	K2 J	13B	10094	J -2811866
12		8.5R	3 4.319	0.0011	15	-27 41 23.06	-0.005	12	0.27	4.300	16	33.5	22.99	16	33.5	K5 J	13B	10095	J -2710769
13		5.9T	3 7.121	-0.0009	06	-23 28 17.98	-0.031	05	0.28	7.161	09	05.7	16.55	09	03.7	B8		GC	21620	C -2312700
14		9.1R	3 11.380	-0.0042	20	-28 13 41.34	-0.066	20	0.36	11.450	16	33.5	41.24	16	33.5	K5 M	13B	10096	J -2811868
15		9.1A	3 12.477	-0.0029	16	-21 26 31.19	-0.039	13	0.31	12.524	16	33.5	30.55	16	33.5	F8 J	13A	6648	A -21 4271
16		9.4R	3 24.889	-0.0010	18	-27 34 26.91	-0.039	18	0.34	24.905	16	33.5	26.27	16	33.5	F8 J	13B	10098	J -2710772
17		8.5R	3 24.892	-0.0007	18	-24 48 8.91	-0.028	18	0.34	24.904	16	33.5	8.45	16	33.5	K0 J	14	11315	E -2412534
18		8.8R	3 35.884	-0.0021	15	-26 5 16.37	-0.052	15	0.29	35.919	16	33.5	16.35	16	33.5	M1 M	14	11316	E -2511343
19		9.2R	3 36.242	-0.0000	20	-26 16 59.78	-0.011	20	0.36	36.242	16	33.5	59.61	16	33.5	A0 J	14	11317	E -2611210
20		9.2A	3 38.600	-0.0028	17	-22 1 12.22	0.001	13	0.30	38.646	16	33.5	12.24	16	33.5	F5 J	13A	6652	A -21 4272
21		8.8A	3 52.325	0.0033	18	-21 47 12.19	-0.009	13	0.31	52.270	16	33.5	12.04	16	33.5	G J	13A	6654	A -21 4274
22		8.7R	3 52.638	0.0009	18	-23 30 44.86	-0.035	18	0.34	52.623	16	33.5	44.27	16	33.5	K2 J	14	11318	E -2312707
23		4.1T	3 52.659	-0.0007	03	-20 32 7.11	-0.024	02	0.15	52.693	06	99.4	5.80	07	96.5	B2		GC	21639	B*-20 4405
24		8.4T	3 53.564	0.0004	12	-27 35 8.29	-0.033	10	0.60	53.546	18	00.8	6.65	18	99.9	F0		GC	21640	C -2710778
25		8.2A	3 54.064	0.0025	20	-21 43 49.28	-0.007	15	0.33	54.023	16	33.5	49.16	16	33.5	F0 J	13A	6655	A -21 4275
26		9.3R	3 54.810	-0.0021	20	-29 41 34.58	-0.125	20	0.36	54.845	16	33.5	32.51	16	33.5	G5 J	13B	10099	J -2912285
27		8.9R	3 55.532	0.0017	18	-24 1 7.86	-0.045	18	0.34	55.504	16	33.5	7.11	16	33.5	A3 J	14	11319	E -2312709
28		8.8R	4 1.043	0.0025	15	-22 50 29.04	-0.164	15	0.29	1.002	16	33.5	26.34	16	33.5	K0 J	14	11320	E -2211354
29		8.5R	4 8.956	-0.0033	20	-26 57 57.71	-0.026	20	0.36	9.012	16	33.5	57.29	16	33.5	F0 J	14	11321	E -2611215
30		8.8R	4 10.858	-0.0010	20	-26 26 2.23	-0.045	20	0.36	10.875	16	33.5	1.50	16	33.5	K2 J	14	11322	E -2611216
31		8.6R	4 12.728	0.0003	12	-25 22 30.64	0.024	12	0.25	12.722	16	33.5	31.04	16	33.5	M0 M	14	11323	E -2511354
32		9.0R	4 14.128	-0.0009	15	-26 5 23.14	0.010	15	0.29	14.143	16	33.5	23.31	16	33.5	K5 J	14	11324	E -2511353
33		8.8R	4 18.000	-0.0003	20	-28 43 58.67	0.006	20	0.36	18.005	16	33.5	58.77	16	33.5	F0 J	13B	10103	J -2811883
34		8.5A	4 20.359	0.0008	20	-21 55 36.78	-0.028	15	0.33	20.346	16	33.5	36.32	16	33.5	G0 J	13A	6658	A -21 4276
35		4.6T	4 28.091	0.0029	02	-20 44 6.53	-0.041	02	0.12	27.950	05	01.9	4.54	05	00.8	G0		GC	21659	B*-20 4408
36		8.5R	4 29.450	0.0013	21	-29 20 18.42	-0.021	21	0.38	29.429	16	33.5	18.07	16	33.5	K0 J	13B	10106	J -2912299
37		8.8Q	4 29.961	0.0002	11	-20 48 34.19	-0.065	14	0.57	29.952	15	07.8	31.40	15	06.7	G5		GC	21661	-20 4409
38		8.4R	4 30.168	-0.0010	15	-23 49 3.14	-0.031	15	0.29	30.184	16	33.5	2.62	16	33.5	F0 J	14	11327	E -2312717
39		9.3R	4 31.326	-0.0041	21	-29 49 46.77	-0.038	21	0.38	31.394	16	33.5	46.14	16	33.5	G0 J	13B	10107	J -2912300
40		9.0R	4 34.209	-0.0002	18	-24 37 43.44	-0.028	18	0.34	34.213	16	33.5	42.98	16	33.5	G5 J	14	11328	E -2412547
41		7.9A	4 48.009	0.0011	18	-21 16 45.91	0.006	13	0.31	47.991	16	33.5	46.01	16	33.5	G5 J	13A	6662	A -21 4279
42		6.2T	4 51.502	-0.0008	09	-24 19 45.62	-0.010	07	0.45	51.545	14	99.0	45.04	14	94.2	B8		GC	21668	C -2412552
43		7.3T	5 2.657	-0.0007	09	-27 35 53.60	-0.012	07	0.47	2.697	17	97.0	52.96	17	95.6	K5		GC	21672	C*-2710796
44		5.6T	5 4.442	0.0081	04	-26 11 39.79	-0.006	04	0.21	4.035	07	99.9	39.50	07	99.1	M0		GC	21673	C*-2511369
45		9.0A	5 10.468	-0.0007	18	-20 38 9.40	-0.019	13	0.31	10.419	16	33.5	9.09	16	33.5	K5 J	13A	6664	A -20 4412
46		8.9R	5 10.815	-0.0016	18	-23 43 6.21	-0.030	18	0.34	10.841	16	33.5	5.71	16	33.5	G0 J	14	11332	E -2312723
47		8.8R	5 12.727	0.0006	18	-23 39 41.13	-0.024	18	0.34	12.717	16	33.5	40.72	16	33.5	M3 M	14	11333	E -2312725
48		9.0R	5 15.083	-0.0010	18	-25 29 16.86	-0.011	18	0.34	15.099	16	33.5	16.68	16	33.5	K5 J	14	11334	E -2511373
49		8.8A	5 15.517	-0.0046	20	-20 41 21.16	-0.051	15	0.33	15.593	16	33.5	20.32	16	33.5	G5 J	13A	6665	A -20 4413
50		8.5R	5 19.543	-0.0002	15	-24 59 41.87	-0.029	15	0.29	19.546	16	33.5	41.39	16	33.5	F0 J	14	11335	E -2412560
51		9.3R	16 5 20.784	-0.0045	20	-28 17 52.99	-0.038	20	0.36	20.859	16	33.5	52.37	16	33.5	G0 J	13B	10115	J -2811896
52		8.9R	5 21.126	-0.0040	20	-28 46 8.49	-0.052	20	0.36	21.192	16	33.5	7.63	16	33.5	K0 M	13B	10114	J -2811895
53		8.7R	5 23.203	-0.0000	17	-28 50 21.12	-0.051	17	0.31	23.204	16	33.5	20.27	16	33.5	G0 J	13B	10117	J -2811897
54		8.6R	5 24.558	0.0015	17	-29 52 21.15	0.044	17	0.31	24.533	16	33.5	21.87	16	33.5	K0 J	13B	10116	J -2912311
55		8.8R	5 30.744	-0.0031	15	-22 16 31.06	0.007	15	0.29	30.794	16	33.5	31.17	16	33.5	K0 J	14	11337	E -2211371
56		9.2R	5 31.398	-0.0022	20	-25 32 15.59	0.016	20	0.36	31.435	16	33.5	15.86	16	33.5	G5 J	14	11336	E -2511377
57		9.1R	5 33.797	-0.0024	20	-28 43 25.12	-0.105	20	0.36	33.838	16	33.5	25.38	16	33.5	A5 J	13B	10118	J -2811900
58		9.0R	5 35.391	-0.0040	20	-29 1 50.43	-0.007	20	0.36	35.458	16	33.5	50.31	16	33.5	A0 J	13B	10119	J -2811901
59		8.8Q	5 39.000	-0.0045	26	-20 37 36.74	-0.061	20	0.96	39.181	19	09.5	34.13	19	07.0	F0		GC	21690	-20 4414
60		9.4R	5 39.445	-0.0001	17	-23 13 40.48	0.060	17	0.31	39.446	16	33.5	41.48	16	33.5	F8 M	14	11338	E -2312730
61		8.5R	5 42.115	0.0014	15	-25 14 41.87	-0.025	15	0.29	42.092	16	33.5	41.46	16	33.5	F2 J	14	11339	E -2511379
62		9.5R	5 42.219	0.0003	12	-23 11 56.75	-0.021	12	0.25	42.214	16	33.5	56.40	16	33.5	G0 J	14	11340	E -2211373
63		8.8R	5 44.176	-0.0009	18	-22 43 1.82	-0.024	18	0.34	44.190	16	33.5	1.42	16	33.5	K0 J	14	11342	E -2211377
64		5.8T	5 44.218	-0.0009	06	-23 33 12.67	-0.025	06	0.28	44.260	07	05.1	11.53	07	05.2	B9		GC	21694	C -2312731
65		9.1R	5 49.168	-0.0007	20	-28 13 58.19	0.012	20	0.36	49.180	16	33.5	58.39	16	33.5	F8 J	13B	10122	J -2811905
66		9.2R	5 52.809	-0.0015	18	-24 37 45.40	-0.020	18	0.34	52.833	16	33.5	45.07	16	33.5	F8 J	14	11343	E -2412567
67		8.8R	5 56.806	-0.0007	18	-28 3 11.53	-0.036	18	0.34	56.818	16	33.5	10.93	16	33.5	A3 J	13B	10126	J -2710808
68		9.1R	6 1.068	-0.0026	21	-28 27 42.01	0.026	21	0.38	1.112	16	33.5	42.44	16	33.5	K0 J	13B	10127	J -2811909
69		9.0R	6 6.857	-0.0044	21	-29 37 46.80	-0.056	21	0.38	6.930	16	33.5	45.87	16	33.5	K0 J	13B	10128	J -2912317
70		9.0R	6 6.921	-0.0007	20	-29 10 23.40	-0.043	20	0.36	6.933	16	33.5	22.69	16	33.5	F0 J	13B	10129	J -2811912
71		9.0A	6 17.549	0.0009	17	-21 48 36.62	-0.000	13	0.30	17.533	16	33.5	36.62	16	33.5	F0 J	13A	6672	A -21 4284
72		8.1R	6 25.108	0.0011	18	-23 2 49.44	0.035	18	0.34	25.090	16	33.5	50.02	16	33.5	A2 J	14	11344	E -2211378
73		8.0R	6 25.979	0.0011	18	-22 49 11.44	-0.008	18	0.34	25.961	16	33.5	11.31	16	33.5	M0 M	14	11345	E -2211379
74		9.1R	6 28.450	-0.0014	15	-22 28 43.61	0.001	15	0.29	28.473	16	33.5	43.62	16	33.5	K2 J	14	11346	E -2211380
75		7.9R	6 35.879	-0.0020	12	-27 45 48.06	-0.072	12	0.25	35.912	16	33.5	46.87	16	33.5	K2 J	13B	10134	J -2710817
76		8.1A	6 39.117	-0.0009	17	-20 29 5.78	-0.049	13	0.30	39.133	16	33.5	4.97	16	33.5	K5 J	13A	6676	A -20 4417
77		8.3R	6 42.783	-0.0007	15	-26 18 33.79	-0.018	15	0.29	42.794	16	33.5	33.50	16	33.5	A0 J	14	11347	E -2611236
78		9.1R	6 47.600	-0.0013	20	-29 47 30.02	-0.034	20	0.36	47.621	16	33.5	29.46	16	33.5	F2 J	13B	10139	J -2912327
79		9.4R	6 48.841	-0.0024	18	-27 29 3.26	-0.067	18	0.34	48.881	16	33.5	2.16	16	33.5	G0 J	13B	10140	J -2710819
80		8.2R	6 53.155	0.0016	18	-24 35 51.01	-0.005	18	0.34	53.129	16	33.5	50.93	16	33.5	G5 J	14	11348	E -2412575
81		8.0R	7 0.013	-0.0017	15	-22 16 44.97	-0.026	15	0.29	0.041	16	33.5	44.54	16	33.5	A3 J	14	11349	E -2211384
82		6.6T	7 9.226	-0.0011	10	-24 27 7.05	-0.033	09	0.48	9.282	10	00.4	5.32	12	98.1	A0		GC	21735	C -2412577
83		8.5R	7 11.277	-0.0005	15	-25 14 12.12	-0.024	15	0.29	11.284	16	33.5	11.72	16	33.5	K0 J	14	11352	E -2511396
84		6.7T	7 12.390	0.0005	12	-26 46 43.15	-0.031	09	0.58	12.362	18	97.3	41.48	15	95.7	B9		GC	21737	C -2611240
85		9.0R	7 12.405	-0.0016	15	-25 17 38.07	0.004	15	0.29	12.432	16	33.5	38.14	16	33.5	A3 J	14	11353	E -2511398
86		7.5R	7 16.587	0.0007	12	-29 9 12.57	-0.029	12	0.25	16.576	16	33.5	12.09	16	33.5	M2 M	13B	10142	J -2811930
87		8.9R	7 17.791	-0.0018	15	-26 9 17.84	-0.008	15	0.29	17.821	16	33.5	17.72	16	33.5	K0 J	14	11354	E -2511400
88		6.9T	7 22.127	-0.0014	26	-22 1 37.83	-0.043	26	1.20	22.189	19	04.0	35.82	19	03.5	A0		GC	21740	-21 4287
89		7.7R	7 26.517	-0.0006	18	-22 58 35.41	-0.032	18	0.34	26.526	16	33.5	34.88	16	33.5	A2 J	14	11355	E -2211387
90		9.0R	7 30.807	0.0011	20	-28 12 4.18	0.025	20	0.36	30.789	16	33.5	4.60	16	33.5	K0 J	13B	10144	J -2811936
91		8.4R	7 38.136	-0.0009	18	-24 50 41.62	-0.008	18	0.34	38.151	16	33.5	41.49	16	33.5	F0 J	14	11356	E -2412585
92		9.3R	7 40.426	0.0012	17	-29 37 27.06	-0.032	17	0.31	40.407	16	33.5	26.53	16	33.5	K0 M	13B	10145	J -2912341
93		9.1A	7 42.361	-0.0008	18	-21 31 7.93	-0.011	13	0.31	42.374	16	33.5	7.75	16	33.5	A2 J	13A	6681	A -21 4290
94		9.0A	7 43.094	-0.0007	15	-20 34 22.55	-0.040	11	0.26	43.081	16	33.5	21.89	16	33.5	K5 J	13A	6682	A -20 4422
95		8.5A	7 51.641	-0.0052	15	-22 3 57.59	0.047	12	0.27	51.728	16	33.5	58.37	16	33.5	G0 J	13A	6684	A -21 4291
96		8.8R	7 53.186	-0.0016	20	-25 23 34.86	0.006	20	0.36	53.213	16	33.5	34.96	16	33.5	F0 J	14	11357	E -2511411
97		5.2T	7 55.354	-0.0070	05	-29 17 9.30	-0.089	04	0.24	55.635	10	02.8	4.47	10	95.7	K0		GC	21749	C*-2912343
98		7.8R	8 0.388	0.0002	18	-24 59 20.25	0.006	18	0.34	0.386	16	33.5	20.35	16	33.5	K0 J	14	11358	E -2412591
99		8.5A	8 1.825	-0.0026	17	-20 16 11.02	-0.005	13	0.30	1.869	16	33.5	10.94	16	33.5	K5 J	13A	6686	A -20 4423
00		9.1R	8 6.794	-0.0017	15	-25 17 14.79	-0.014	15	0.29	6.822	16	33.5	14.56	16	33.5	F0 J	14	11359	E -2511415

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NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	σ'_μ ″.001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.		SOURCE CAT.	SOURCE STAR NUMBER	-20° 16H DM NUMBER
1		9.0R	16 8 16.887	-0.0022	15	-23 4 29.38	-0.003	15	0.29	16.923	16	33.5	29.33	16	33.5	A5	J	14	11360	E -2211398
2		8.6R	8 21.487	-0.0004	15	-26 20 29.86	-0.017	15	0.29	21.493	16	33.5	29.59	16	33.5	K0	J	14	11361	E -2611244
3		9.0R	8 25.862	-0.0006	18	-26 36 29.00	-0.027	18	0.34	25.871	16	33.5	28.56	16	33.5	A2	J	14	11362	E -2611246
4		9.0R	8 29.121	0.0022	18	-24 37 40.10	-0.006	18	0.34	29.084	16	33.5	40.00	16	33.5	K0	J	14	11365	E -2412596
5		6.8T	8 29.527	-0.0014	10	-27 1 18.86	-0.017	08	0.47	29.594	10	00.7	18.01	12	99.3	B8		GC	21757	C -2611247
6		8.8R	8 30.331	-0.0108	18	-26 49 52.63	-0.077	18	0.34	30.510	16	33.5	51.37	16	33.5	F8	J	14	11364	E -2611248
7		9.3A	8 32.215	-0.0001	17	-21 27 31.45	-0.009	13	0.30	32.216	16	33.5	31.30	16	33.5	G0	J	13A	6688	A -21 4294
8		8.1T	8 32.354	0.0021	15	-26 56 59.83	0.009	14	0.76	32.248	21	00.6	* 0.31	19	98.7	G0		GC	21758	C -2611249
9		7.7T	8 49.166	-0.0106	14	-25 45 15.12	-0.028	18	0.80	49.679	18	01.5	13.82	18	02.9	G5		GC	21764	C*-2511424
10		9.1R	8 49.535	0.0020	17	-29 45 6.25	0.011	17	0.31	49.502	16	33.5	6.43	16	33.5	G5	J	13B	10156	J -2912353
11		8.1R	8 54.379	-0.0008	18	-22 24 59.43	-0.006	18	0.34	54.393	16	33.5	59.33	16	33.5	A2	J	14	11369	E -2211406
12		8.6A	8 54.506	0.0013	15	-20 56 7.92	-0.007	11	0.26	54.485	16	33.5	7.81	16	33.5	K5	J	13A	6691	A -20 4428
13		9.3R	8 56.105	-0.0016	15	-25 17 47.91	-0.007	15	0.29	56.132	16	33.5	47.80	16	33.5	G0	J	14	11368	E -2511425
14		8.9A	8 58.935	-0.0021	17	-20 58 35.65	-0.026	13	0.30	58.970	16	33.5	35.23	16	33.5	F0	J	13A	6692	A -20 4429
15		9.1R	9 6.764	-0.0027	15	-23 7 2.99	-0.005	15	0.29	6.808	16	33.5	2.91	16	33.5	F0	J	14	11370	E -2211407
16		8.6R	9 9.903	-0.0013	18	-23 47 36.63	-0.042	18	0.34	9.924	16	33.5	35.93	16	33.5	A0	J	14	11372	E -2312769
17		5.7T	9 10.231	-0.0023	04	-28 17 20.33	-0.046	04	0.24	10.341	09	02.6	18.04	10	99.8	B9		GC	21776K	C*-2811962
18		9.2A	9 10.459	0.0003	15	-21 15 24.49	-0.017	12	0.27	10.454	16	33.5	24.21	16	33.5	A3	J	13A	6695	A -21 4297
19		8.5R	9 11.002	0.0027	12	-28 52 23.25	0.010	12	0.25	10.958	16	33.5	23.41	16	33.5	F0	J	13B	10158	J -2811961
20		9.2R	9 11.238	-0.0011	15	-26 21 4.22	-0.033	15	0.29	11.257	16	33.5	3.68	16	33.5	G0	J	14	11371	E -2611254
21		4.7T	9 13.074	-0.0009	04	-27 47 53.94	-0.028	03	0.18	13.119	06	02.6	52.58	06	01.2	B3		GC	21778	C*-2710841
22		9.3R	9 23.961	0.0002	20	-29 51 58.68	-0.037	20	0.36	23.957	16	33.5	58.07	16	33.5	G0	J	13B	10163	J -2912361
23		9.4R	9 24.239	-0.0043	18	-27 3 11.66	-0.030	18	0.34	24.311	16	33.5	11.17	16	33.5	K0	M	14	11373	E -2611256
24		9.0R	9 24.249	0.0008	18	-24 58 22.88	0.003	18	0.34	24.235	16	33.5	22.93	16	33.5	K0	J	14	11374	E -2412604
25		8.7R	9 37.869	0.0006	18	-28 11 40.49	-0.038	18	0.34	37.859	16	33.5	39.87	16	33.5	B8	J	13B	10168	J -2710846
26		9.2R	9 40.174	-0.0012	20	-26 45 9.23	-0.016	20	0.36	40.194	16	33.5	8.97	16	33.5	A0	J	14	11375	E -2611259
27		9.1R	9 42.495	-0.0007	12	-26 14 17.21	-0.004	12	0.25	42.506	16	33.5	17.15	16	33.5	F2	J	14	11376	E -2611260
28		8.0T	9 45.111	-0.0004	11	-28 0 18.07	0.017	09	0.55	45.133	18	00.2	18.95	18	99.0	F2		GC	21793	C -2710851
29		9.1R	9 56.045	-0.0002	18	-23 12 7.59	-0.035	18	0.34	56.048	16	33.5	7.01	16	33.5	G0	J	14	11377	E -2312775
30		9.6R	10 0.432	0.0030	18	-25 47 14.24	-0.017	18	0.34	0.382	16	33.5	13.97	16	33.5	K5	J	14	11378	E -2511437
31		8.5R	10 1.981	-0.0028	20	-29 31 13.44	-0.021	20	0.36	2.027	16	33.5	13.09	16	33.5	A0	J	13B	10172	J -2912373
32		8.5R	10 13.306	-0.0011	12	-22 21 28.89	-0.003	12	0.25	13.324	16	33.5	28.84	16	33.5	A2	J	14	11380	E -2211418
33		8.4R	10 23.502	-0.0000	12	-27 16 37.27	-0.043	12	0.25	23.503	16	33.5	36.57	16	33.5	A2	J	13B	10175	J -2710856
34		7.4T	10 31.744	-0.0035	10	-28 55 49.01	-0.029	09	0.56	31.929	15	97.3	47.40	18	94.2	F8		GC	21806	C -2811981
35		8.8A	10 37.702	-0.0008	15	-21 47 32.01	-0.000	12	0.27	37.715	16	33.5	32.01	16	33.5	G5	J	13A	6705	A -21 4303
36		9.1R	10 38.819	0.0022	18	-26 9 38.07	0.044	18	0.34	38.784	16	33.5	38.80	16	33.5	K2	M	14	11381	E -2511443
37		9.0R	10 40.832	-0.0070	21	-24 22 52.78	0.014	21	0.38	40.947	16	33.5	53.00	16	33.5			14	11382	E -2412622
38		9.5R	10 41.100	-0.0015	18	-23 35 21.11	-0.023	18	0.34	41.125	16	33.5	20.72	16	33.5	K0	M	14	11383	E -2312784
39		8.9R	10 42.754	-0.0001	15	-27 39 58.79	-0.018	15	0.29	42.755	16	33.5	58.50	16	33.5	F2	J	13B	10179	J -2710857
40		6.7T	10 43.739	-0.0088	04	-21 16 25.88	0.009	04	0.21	44.171	07	00.8	26.36	07	99.7	G0		GC	21813	B*-21 4305
41		6.3T	10 44.855	0.0010	09	-24 17 44.44	-0.016	08	0.45	44.807	10	00.0	43.58	12	97.4	B8		GC	21814K	C*-2412623
42		8.5R	10 47.620	-0.0006	18	-24 7 46.10	-0.029	18	0.34	47.629	16	33.5	45.61	16	33.5	A0	J	14	11385	E -2312786
43		8.8R	10 51.091	0.0036	15	-26 9 48.85	-0.049	15	0.29	51.031	16	33.5	48.05	16	33.5	G0	J	14	11386	E -2511444
44		8.2R	10 52.479	0.0004	15	-28 7 35.16	-0.025	15	0.29	52.473	16	33.5	34.76	16	33.5	A0	J	13B	10181	J -2710858
45		9.0R	10 58.988	-0.0025	18	-22 18 46.03	0.002	18	0.34	59.030	16	33.5	46.06	16	33.5	A2	J	14	11387	E -2211428
46		8.1R	11 2.016	0.0030	18	-23 38 53.58	-0.014	18	0.34	1.966	16	33.5	53.34	16	33.5	G5	J	14	11388	E -2312790
47		8.9R	11 3.639	-0.0005	18	-24 2 22.15	-0.031	18	0.34	3.647	16	33.5	21.63	16	33.5	A2	J	14	11389	E -2312791
48		8.8A	11 10.840	-0.0093	17	-22 2 9.72	-0.067	13	0.30	10.993	16	33.5	8.61	16	33.5	G0	J	13A	6708	A -21 4307
49		9.2R	11 13.892	0.0035	15	-27 46 9.34	0.000	15	0.29	13.835	16	33.5	9.35	16	33.5	G5	J	13B	10183	J -2710862
50		8.9A	11 22.280	0.0001	18	-22 33 26.64	-0.018	13	0.31	22.279	16	33.5	26.34	16	33.5	K0	J	13A	6709	A -22 4122
51		7.4A	16 11 22.578	-0.0001	17	-22 0 36.75	-0.012	13	0.30	22.579	16	33.5	36.55	16	33.5	A2	J	13A	6710	A -21 4308
52		9.2R	11 23.995	0.0030	12	-29 36 27.36	-0.030	12	0.25	23.945	16	33.5	26.86	16	33.5	G5	M	13B	10184	J -2912388
53		6.3T	11 32.155	-0.0020	10	-20 58 55.02	-0.029	11	0.55	32.257	15	98.5	53.56	15	98.9	A0		GC	21834	-20 4444
54		9.1R	11 36.985	-0.0032	15	-23 5 23.37	0.006	15	0.29	37.037	16	33.5	23.47	16	33.5	K0	J	14	11392	E -2211437
55		9.2R	11 37.168	0.0007	12	-28 55 24.43	-0.005	12	0.25	37.157	16	33.5	24.35	16	33.5	K0	J	13B	10186	J -2811996
56		9.2R	11 38.638	-0.0005	18	-25 18 42.69	-0.002	18	0.34	38.647	16	33.5	42.66	16	33.5	K2	J	14	11391	E -2511450
57		9.1A	11 44.478	-0.0038	17	-20 6 36.92	-0.028	13	0.30	44.541	16	33.5	30.46	16	33.5	F8	J	13A	6713	A -19 4342
58		6.2T	11 51.387	0.0006	08	-25 21 6.42	-0.022	07	0.38	51.358	10	00.2	5.27	10	97.7	B9		GC	21845	C -2511453
59		7.1T	11 55.145	-0.0002	13	-22 15 17.94	-0.012	09	0.54	55.152	09	02.9	17.34	10	01.2	B9		GC	21847	-22 4127
60		8.5R	12 7.092	0.0002	18	-24 27 49.11	-0.044	18	0.34	7.088	16	33.5	48.38	16	33.5	A0	J	14	11395	E -2412637
61		9.1R	12 9.269	-0.0015	18	-23 38 5.25	-0.013	18	0.34	9.294	16	33.5	5.02	16	33.5	F0	J	14	11396	E -2312803
62		7.5T	12 14.885	-0.0048	11	-27 5 2.16	-0.138	08	0.51	15.117	12	01.3	-54.91	12	97.4	G0		GC	21853	C -2611273
63		9.0A	12 31.276	-0.0016	13	-21 27 51.53	-0.007	09	0.25	31.302	16	33.5	51.40	16	33.5	A2	J	13A	6718	A -21 4317
64		9.2A	12 32.578	-0.0021	17	-20 6 51.19	0.008	13	0.30	32.613	16	33.5	51.33	16	33.5	F0	J	13A	6719	A -19 4346
65		8.3R	12 40.796	-0.0006	12	-28 53 12.57	-0.021	12	0.25	40.806	16	33.5	12.22	16	33.5	G5	J	13B	10187	J -2812008
66		8.7R	12 43.323	-0.0014	15	-22 41 1.37	0.017	15	0.29	43.345	16	33.5	1.65	16	33.5	A0	J	14	11399	E -2211453
67		8.0R	12 45.276	0.0002	18	-24 59 46.07	-0.119	18	0.34	45.273	16	33.5	44.11	16	33.5	G0	J	14	11398	E -2412642
68		9.4R	12 51.633	-0.0024	18	-24 12 56.62	-0.022	18	0.34	51.672	16	33.5	56.25	16	33.5	G5	J	14	11400	E -2412643
69		9.2R	12 53.105	0.0007	17	-29 54 19.55	-0.029	17	0.31	53.093	16	33.5	19.07	16	33.5	F0	J	13B	10189	J -2912404
70		9.3R	12 58.831	-0.0006	20	-29 41 19.30	-0.007	20	0.36	58.841	16	33.5	19.18	16	33.5	A0	J	13B	10191	J -2912406
71		9.1A	12 59.838	0.0022	17	-23 2 3.30	-0.007	13	0.30	59.802	16	33.5	3.18	16	33.5	K0	J	13A	6722	A -22 4130
72		8.7R	13 7.927	-0.0028	17	-29 7 8.21	-0.018	17	0.31	7.973	16	33.5	7.91	16	33.5	G5	J	13B	10192	J -2812014
73		8.8R	13 16.251	-0.0004	12	-28 2 25.87	-0.025	12	0.25	16.207	16	33.5	25.46	16	33.5	A0	J	13B	10194	J -2710877
74		8.7R	13 19.288	-0.0003	15	-23 2 18.34	-0.071	15	0.29	19.294	16	33.5	17.17	16	33.5	G	J	14	11402	E -2211459
75		9.2R	13 19.431	-0.0003	20	-23 0 17.15	0.037	20	0.36	19.437	16	33.5	17.76	16	33.5	A5	J	14	11403	E -2211458
76		8.4R	13 21.280	0.0005	15	-24 56 21.97	-0.032	15	0.29	21.273	16	33.5	21.44	16	33.5	A0	J	14	11401	E -2412644
77		8.5R	13 23.571	-0.0008	20	-24 51 54.83	-0.025	20	0.36	23.584	16	33.6	54.42	16	33.6	B9	J	14	11404	E -2412645
78		6.6T	13 26.051	-0.0003	10	-24 9 31.73	-0.011	09	0.53	26.068	14	99.1	31.11	15	96.0	B8		GC	21873	C -2312816
79		9.0R	13 42.301	-0.0014	18	-25 6 22.00	-0.034	18	0.34	42.324	16	33.6	21.44	16	33.6	A2	J	14	11406	E -2412646
80		7.6T	13 44.636	0.0009	11	-29 37 15.81	-0.020	10	0.59	44.588	18	97.1	14.68	18	93.6	B8		GC	21878K	C -2912411
81		8.7R	13 46.670	-0.0027	18	-24 47 38.85	-0.015	18	0.34	46.714	16	33.6	38.60	16	33.6	F5	J	14	11408	E -2412647
82		8.3R	13 47.879	-0.0003	12	-25 44 23.58	-0.026	12	0.25	47.884	16	33.6	23.16	16	33.6	A0	J	14	11407	E -2511464
83		8.6R	13 54.085	-0.0003	15	-22 59 13.83	0.018	15	0.29	54.089	16	33.6	14.12	16	33.6	F0	J	14	11409	E -2211468
84		9.0A	13 56.967	-0.0043	17	-20 39 34.52	0.017	13	0.29	57.038	16	33.6	34.80	16	33.6	G5	J	13A	6727	A -20 4453
85		6.4T	14 1.717	-0.0011	09	-21 10 51.89	-0.019	09	0.45	1.767	14	03.3	50.98	14	01.1	B9		GC	21883	-20 4454
86		9.4R	14 4.114	-0.0016	18	-27 23 15.40	0.001	15	0.32	4.140	16	33.5	15.43	16	33.5	A2	J	13B	10199	J -2710884
87		9.0R	14 15.166	-0.0010	18	-24 6 2.88	-0.016	18	0.34	15.182	16	33.6	2.61	16	33.6	A0	J	14	11412	E -2312827
88		8.4R	14 15.571	-0.0013	18	-22 47 57.87	0.006	18	0.34	15.592	16	33.6	57.97	16	33.6	A3	J	14	11413	E -2211473
89		9.4R	14 17.700	0.0007	15	-26 13 11.24	-0.066	15	0.29	17.689	16	33.6	10.16	16	33.6	G5	J	14	11411	E -2611281
90		8.7R	14 27.280	-0.0012	18	-23 13 10.29	-0.059	18	0.34	27.300	16	33.6	9.32	16	33.6	A2	J	14	11414	E -2312830
91		9.2R	14 30.394	0.0021	18	-24 18 54.11	0.012	18	0.34	30.359	16	33.6	54.30	16	33.6	G5	J	14	11415	E -2412656
92		8.2R	14 35.415	-0.0014	12	-29 40 32.30	-0.091	12	0.25	35.437	16	33.5	30.79	16	33.5	F5	J	13B	10201	J -2912423
93		9.6R	14 37.506	-0.0017	18	-23 44 19.17	0.002	18	0.34	37.533	16	33.6	19.19	16	33.6	A3	J	14	11416	E -2312832
94		9.1R	14 42.365	-0.0015	18	-22 22 21.32	0.013	18	0.34	42.389	16	33.6	21.52	16	33.6	K2	J	14	11417	E -2211479
95		8.9R	14 47.392	0.0007	18	-24 1 27.76	-0.012	18	0.34	47.381	16	33.6	27.55	16	33.6	K0	J	14	11418	E -2312833
96		8.6A	14 49.201	-0.0022	11	-21 46 42.28	-0.010	09	0.22	49.238	16	33.6	42.11	16	33.6	K0	J	13A	6733	A -21 4328
97		9.4R	14 50.124	-0.0011	15	-22 46 33.22	0.033	15	0.29	50.141	16	33.6	33.76	16	33.6	F0	J	14	11419	E -2211481
98		9.0R	14 52.465	-0.0045	18	-24 45 39.92	-0.013	18	0.34	52.539	16	33.6	40.13	16	33.6	K0	J	14	11420	E -2412660
99		9.2R	15 9.704	-0.0013	18	-22 35 1.36	-0.004	18	0.34	9.682	16	33.6	1.29	16	33.6	F5	J	14	11421	E -2211487
00		6.8T	15 10.529	-0.0000	10	-27 55 12.88	-0.035	09	0.56	10.532	17	94.9	10.85	15	91.7	A0		GC	21908	C*-2710893

184300			EPOCH 1950									ORIGINAL EPOCH							SP.	SOURCE		-20° 16H
NUMBER	MAGNITUDES		α_{1950}	μ	σ_μ	δ_{1950}	μ'	$\sigma_{\mu'}$	σ_{1950}	α_2	σ	ep.	δ_2	σ'	ep.		CAT.	STAR NUMBER	DM NUMBER
	m_{pg}	m_v	h m s	s	″.001	° ′ ″	″	″.001	″	s	″.01		″	″.01					
1		4.9T	16 15 11.495	-0.0022	04	-28 29 29.28	-0.106	04	0.20	11.595	07	05.4	24.60	07	05.8	A0	GC	21910	C*-28120 57
2		9.2R	15 17.714	-0.0015	18	-23 1 16.48	0.011	18	0.34	17.739	16	33.6	16.66	16	33.6	G5 J	14	11422	E -2211489
3		9.1R	15 19.606	0.0018	20	-29 30 31.73	-0.011	20	0.36	19.576	16	33.5	31.54	16	33.5	G5 J	13B	10208	J -2912433
4		9.3R	15 19.736	-0.0069	21	-23 9 42.52	0.045	21	0.38	19.849	16	33.6	43.26	16	33.6	F5 J	14	11423	E -2211490
5		7.5R	15 28.666	-0.0020	18	-23 9 10.66	-0.029	18	0.34	28.699	16	33.6	10.18	16	33.6	A0 J	14	11425	E -2211491
6		9.0A	15 41.610	-0.0012	11	-21 28 17.93	-0.019	09	0.22	41.629	16	33.6	17.62	16	33.6	F2 J	13A	6735	A -21 4330
7		9.2R	15 52.551	0.0007	15	-22 38 23.49	0.031	15	0.29	52.540	16	33.6	24.00	16	33.6	G5 J	14	11427	E -2211498
8		7.7T	16 2.160	0.0050	10	-28 10 12.02	-0.258	09	0.55	1.897	17	96.9	-57.70	17	94.4	G0	GC	21931	C -2710902
9		6.4T	16 11.731	0.0007	04	-20 5 51.18	-0.008	04	0.23	11.697	07	02.4	50.79	07	00.8	K0	GC	21935	B*-19 4357
10		8.4T	16 20.134	-0.0046	13	-25 38 24.18	-0.031	12	0.67	20.362	22	00.5	22.59	21	98.2	G5	GC	21939	C -2511473
11		8.2R	16 24.569	-0.0002	12	-29 49 41.36	-0.050	12	0.25	24.572	16	33.5	40.53	16	33.5	F8 J	13B	10220	J -2912445
12		9.1A	16 31.893	-0.0017	17	-21 16 59.64	-0.007	13	0.29	31.921	16	33.6	59.53	16	33.6	F2 J	13A	6739	A -21 4334
13		9.1R	16 34.081	-0.0006	15	-24 43 6.73	-0.021	15	0.29	34.091	16	33.6	6.39	16	33.6	F5 J	14	11430	E -2412666
14		8.9R	16 35.427	0.0023	12	-29 19 14.85	-0.059	12	0.25	35.395	16	33.5	14.75	16	33.5	K5 J	13B	10222	J -2912449
15		9.4R	16 38.675	0.0008	18	-22 18 52.42	0.059	18	0.34	38.661	16	33.6	53.38	16	33.6	F8 J	14	11431	E -2211503
16		8.6A	16 58.722	-0.0011	18	-20 39 45.43	0.018	13	0.30	58.739	16	33.6	45.73	16	33.6	A5 J	13A	6742	A -20 4464
17		9.0R	17 2.323	0.0007	20	-28 58 50.31	0.035	20	0.36	2.312	16	33.5	50.89	16	33.5	G5 J	13B	10223	J -2812655
18		8.0R	17 3.756	-0.0038	18	-24 14 46.32	-0.013	18	0.34	3.818	16	33.6	46.10	16	33.6	G5 J	14	11433	E -2412667
19		9.2R	17 6.965	-0.0021	18	-25 44 16.68	-0.043	18	0.34	6.999	16	33.6	15.98	16	33.6	A2 J	14	11434	E -2511477
20		8.7R	17 8.789	-0.0017	20	-28 35 50.81	-0.012	20	0.36	8.817	16	33.5	50.61	16	33.5	F8 J	13B	10225	J -2812656
21		9.4R	17 9.099	-0.0008	18	-22 23 57.34	-0.008	18	0.34	9.113	16	33.6	57.21	16	33.6	F8 J	14	11438	E -2211508
22		9.4R	17 10.314	-0.0014	18	-23 41 1.87	-0.042	18	0.34	10.338	16	33.6	1.17	16	33.6	F8 M	14	11437	E -2312848
23		9.4T	17 12.407	-0.0005	13	-25 31 35.30	-0.033	11	0.66	12.431	22	00.1	33.57	21	97.1	A0	GC	21961	C -2511478
24		9.0R	17 19.579	0.0007	18	-24 59 45.41	0.003	18	0.34	19.568	16	33.6	45.46	16	33.6	K0 J	14	11440	E -2412668
25		7.6T	17 25.984	0.0013	14	-29 23 45.69	-0.017	10	0.67	25.919	21	99.5	44.74	19	94.0	A0	GC	21965K	C*-2912459
26		8.9A	17 30.638	-0.0001	17	-21 23 23.03	-0.010	13	0.29	30.639	16	33.6	22.87	16	33.6	F0 J	13A	6747	A -21 4338
27		9.2A	17 31.677	-0.0029	18	-21 19 48.67	-0.045	13	0.30	31.724	16	33.6	47.93	16	33.6	G J	13A	6748	A -21 4339
28		8.9R	17 35.684	-0.0023	12	-28 37 30.34	0.008	12	0.25	35.722	16	33.5	30.47	16	33.5	F2 J	13B	10230	J -2812059
29		4.8T	17 37.370	-0.0002	04	-24 3 2.03	-0.026	03	0.19	37.382	07	99.7	0.61	07	96.2	A3	GC	21969	C*-2312849
30		9.0R	17 43.570	0.0016	20	-29 41 14.06	-0.072	20	0.36	43.543	16	33.5	12.87	16	33.5	K7 M	13B	10231	J -2912464
31		7.1T	17 45.377	0.0005	11	-21 43 19.16	-0.063	09	0.45	45.353	09	06.1	19.01	12	05.0	K5	GC	21971	-21 4341
32		8.5R	17 46.912	-0.0003	15	-25 16 32.55	0.009	15	0.29	46.907	16	33.6	32.65	16	33.6	A0 J	14	11442	E -2511483
33		8.7R	17 51.347	-0.0023	15	-22 28 31.42	-0.027	15	0.29	51.385	16	33.6	30.98	16	33.6	F0 J	14	11443	E -2211516
34		9.0R	18 0.844	-0.0012	20	-29 50 57.07	-0.046	20	0.36	0.864	16	33.5	56.31	16	33.5	G5 J	13B	10234	J -2912466
35		8.4R	18 7.036	0.0022	20	-29 59 0.01	-0.045	20	0.36	7.000	16	33.5	-59.26	16	33.5	A5 J	13B	10235	J -2912468
36		3.1N	18 8.667	-0.0007	01	-25 28 28.14	-0.023	01	0.06	8.694	03	11.9	27.19	03	08.2	B1	F4	607V	C -2511485
37		7.0T	18 18.908	-0.0015	08	-23 35 23.07	-0.022	08	0.52	18.995	15	93.3	21.71	17	89.0	B9	GC	21992	C -2312852
38		8.5A	18 22.879	-0.0016	13	-21 59 27.22	-0.012	09	0.25	22.906	16	33.6	27.02	16	33.6	F0 J	13A	6754	A -21 4342
39		9.1R	18 29.358	0.0011	20	-29 15 21.32	-0.017	20	0.36	29.339	16	33.5	21.04	16	33.5		13B	10236	J -2912473
40		8.8R	18 30.711	0.0013	12	-27 48 47.61	-0.004	12	0.25	30.690	16	33.5	47.55	16	33.5	M M	13B	10237	J -2710909
41		9.1R	18 44.753	-0.0001	12	-25 49 43.49	-0.026	12	0.25	44.754	16	33.6	43.07	16	33.6	F8 J	14	11448	E -2511488
42		8.8R	18 54.167	-0.0128	18	-24 52 20.91	-0.093	18	0.34	54.378	16	33.6	19.38	16	33.6	G0 J	14	11449	E -2412671
43		9.4R	18 56.368	-0.0023	18	-24 22 40.20	-0.016	18	0.34	56.406	16	33.6	39.93	16	33.6	A2 J	14	11450	E -2412672
44		8.6A	19 12.274	-0.0004	11	-21 32 14.60	-0.000	09	0.22	12.281	16	33.6	14.60	16	33.6	A2 J	13A	6756	A -21 4345
45		9.0R	19 18.758	0.0006	18	-24 14 46.64	-0.022	18	0.34	18.748	16	33.6	46.27	16	33.6	A0 J	14	11451	E -2412674
46		9.1R	19 20.006	-0.0029	12	-22 31 14.28	0.025	12	0.25	20.053	16	33.6	14.69	16	33.6	A0 J	14	11452	E -2211521
47		8.7R	19 35.543	0.0015	18	-24 15 58.32	-0.047	18	0.34	35.517	16	33.6	57.54	16	33.6	A0 J	14	11453	E -2412675
48		8.5R	19 49.316	-0.0004	12	-29 58 51.06	0.024	12	0.25	49.323	16	33.5	51.45	16	33.5	G5 J	13B	10248	J -2912492
49		9.4R	19 49.711	0.0001	18	-24 29 46.30	-0.054	18	0.34	49.709	16	33.6	45.40	16	33.6	G0 J	14	11454	E -2412676
50		7.7R	19 52.197	0.0007	18	-23 0 7.18	0.006	18	0.34	52.186	16	33.6	7.28	16	33.6	A2 J	14	11455	E -2211522
51		8.4R	16 19 58.963	0.0039	15	-27 45 50.50	-0.028	15	0.29	58.898	16	33.5	50.04	16	33.5	K0 J	13B	10249	J -2710918
52		8.9A	20 13.844	-0.0010	13	-21 10 2.19	0.003	09	0.25	13.860	16	33.6	2.24	16	33.6	K5 J	13A	6759	A -20 4482
53		9.1R	20 16.430	-0.0007	17	-28 55 58.05	0.006	17	0.31	16.442	16	33.5	58.14	16	33.5	F8 J	13B	10251	J -2812081
54		9.2R	20 19.083	-0.0055	20	-26 15 18.75	-0.049	20	0.36	19.165	16	33.6	17.95	16	33.6	G0 J	14	11457	E -2611310
55		9.1R	20 37.763	-0.0019	20	-29 1 8.52	0.019	20	0.36	37.795	16	33.5	8.83	16	33.5	K5 J	13B	10252	J -2812087
56		8.7R	20 43.457	-0.0007	12	-26 9 20.40	-0.024	12	0.25	43.469	16	33.6	20.01	16	33.6	A0 J	14	11458	E -2511495
57		8.9R	20 45.459	0.0013	20	-29 39 44.25	-0.014	20	0.36	45.437	16	33.5	44.01	16	33.5	G0 J	13B	10254	J -2912504
58		9.4R	20 48.103	0.0010	20	-27 14 13.76	0.014	20	0.36	48.086	16	33.5	14.00	16	33.5	A0 J	13B	10256	J -2710923
59		8.4R	20 53.454	-0.0021	15	-22 15 12.80	0.015	15	0.29	53.489	16	33.6	13.05	16	33.6	M3 M	14	11459	E -2211524
60		9.1R	21 0.277	-0.0016	15	-25 17 59.22	-0.008	15	0.29	0.304	16	33.6	59.09	16	33.6	A2 J	14	11460	E -2511498
61		9.2R	21 2.278	0.0013	18	-26 0 59.71	-0.005	18	0.34	2.256	16	33.6	59.63	16	33.6	A2 J	14	11461	E -2511497
62		8.8R	21 12.910	-0.0012	18	-23 23 5.30	-0.036	18	0.34	12.930	16	33.6	4.71	16	33.6	G0 J	14	11462	E -2312858
63		8.4R	21 19.232	0.0010	18	-24 54 37.72	0.009	18	0.34	19.216	16	33.6	37.87	16	33.6	B8 J	14	11463	E -2412682
64		8.8R	21 22.589	-0.0022	15	-25 35 32.27	-0.053	15	0.29	22.626	16	33.6	31.40	16	33.6	A0 J	14	11464	E -2511499
65		7.3T	21 25.377	-0.0055	10	-27 2 10.77	-0.030	07	0.42	25.630	10	03.6	9.19	12	96.7	A0	GC	22049	C -2611327
66		7.8R	21 25.849	0.0025	18	-22 32 24.24	0.005	18	0.34	25.807	16	33.6	24.32	16	33.6	F8 J	14	11466	E -2211525
67		8.9R	21 30.738	-0.0024	18	-27 51 16.57	-0.046	18	0.34	30.778	16	33.5	15.82	16	33.5	K2 J	13B	10266	J -2710927
68		6.6T	21 35.910	-0.0049	10	-29 35 15.87	-0.105	08	0.52	30.652	17	97.5	9.85	18	92.7	G0	GC	22053K	C -2912513
69		5.9T	21 30.998	-0.0051	07	-29 35 21.49	-0.083	06	0.38	30.724	12	96.5	16.85	12	94.2	G0	GC	22054K	C -2912513
70		8.2R	21 36.040	-0.0030	20	-26 41 32.86	-0.006	20	0.36	36.089	16	33.6	32.77	16	33.6	F8 J	14	11467	E -2611329
71		8.1A	21 54.810	-0.0018	17	-22 7 16.42	-0.041	13	0.29	54.839	16	33.6	15.75	16	33.6	K0 J	13A	6765	A -21 4351
72		8.5R	21 56.566	-0.0011	12	-25 14 26.94	-0.019	12	0.25	56.584	16	33.6	26.63	16	33.6	A0 J	14	11469	E -2511501
73		8.3R	22 5.772	-0.0011	15	-27 33 12.03	-0.032	15	0.29	5.791	16	33.6	11.50	16	33.6	K2 J	13B	10273	J -2710930
74		8.5R	22 10.911	-0.0004	15	-27 36 27.54	0.003	15	0.29	10.905	16	33.6	27.60	16	33.6	K2 J	13B	10274	J -2710931
75		9.3R	22 17.766	-0.0053	21	-24 20 2.19	0.012	21	0.38	17.852	16	33.6	2.38	16	33.6		14	11470K	E -2412683
76		8.1R	22 22.819	-0.0010	18	-24 21 7.23	-0.027	18	0.34	22.835	16	33.6	6.78	16	33.6	B3 J	14	11471	E -2412684
77		6.6T	22 24.076	-0.0007	08	-23 20 48.42	-0.040	07	0.41	24.115	12	96.5	46.23	12	95.0	B3	GC	22070K	C*-2312860
78		9.0A	22 26.133	0.0002	13	-21 34 29.08	-0.013	09	0.25	26.129	16	33.6	28.87	16	33.6	A0 J	13A	6767	A -21 4353
79		9.2R	22 28.022	0.0010	12	-29 44 37.15	0.020	12	0.25	28.005	16	33.6	37.47	16	33.6	F0 J	13B	10278	J -2912528
80		7.6T	22 31.103	0.0003	09	-29 17 12.96	-0.005	07	0.48	31.088	17	95.6	12.68	15	92.7	B8	GC	22076K	C -2912529
81		5.9T	22 34.893	-0.0005	03	-23 19 57.72	-0.020	03	0.16	34.917	06	02.7	56.78	07	02.4	B5	GC	22078K	C -2312861
82		5.2T	22 34.963	0.0002	03	-23 20 1.41	-0.021	03	0.15	34.954	06	02.0	0.41	06	02.3	B5	GC	22079K	C*-2312861
83		7.1T	22 35.008	0.0005	07	-23 17 30.47	-0.032	07	0.41	34.980	14	91.8	28.62	15	91.8	A	GC	22080K	C*-2312862
84		7.8T	22 39.695	0.0033	11	-29 48 23.99	0.071	10	0.58	39.521	15	97.5	27.90	17	94.8	G5	GC	22081K	C*-2912531
85		8.7R	22 43.555	-0.0055	18	-27 42 21.55	-0.048	18	0.34	43.645	16	33.6	20.76	16	33.6	G5 J	13B	10283	J -2710934
86		8.2T	22 46.498	0.0001	11	-26 27 18.78	-0.023	08	0.52	46.493	18	00.3	17.58	18	97.1	A0	GC	22083	C -2611336
87		9.1R	23 12.846	0.0011	20	-29 28 12.80	-0.018	20	0.36	12.828	16	33.6	12.50	16	33.6	K0 J	13B	10286	J -2912536
88		8.5R	23 24.136	-0.0018	12	-27 34 34.58	0.014	12	0.25	24.166	16	33.6	34.81	16	33.6	F8 J	13B	10287	J -2710940
89		9.3A	23 31.478	-0.0009	11	-21 40 55.53	0.014	09	0.22	31.493	16	33.6	55.76	16	33.6	F5 J	13A	6769	A -21 4356
90		8.8R	23 49.742	-0.0012	12	-28 59 39.19	-0.023	12	0.25	49.761	16	33.6	38.81	16	33.6	A2 J	13B	10292	J -2812117
91		8.8R	23 52.080	-0.0011	18	-27 1 37.58	-0.044	18	0.34	52.098	16	33.6	36.86	16	33.6	A2 J	14	11477	E -2611344
92		8.0R	24 3.705	0.0007	12	-26 8 45.88	-0.030	12	0.25	3.694	16	33.6	45.39	16	33.6	K0 J	14	11479	E -2511508
93		8.0R	24 7.399	-0.0012	20	-27 4 39.47	-0.010	20	0.36	7.419	16	33.6	39.31	16	33.6	F2 J	14	11480	E -2611346
94		8.9R	24 10.243	-0.0009	17	-29 21 5.67	-0.024	17	0.31	10.258	16	33.6	5.27	16	33.6	A2 J	13B	10295	J -2912548
95		9.2R	24 10.301	-0.0049	17	-29 41 46.09	-0.110	17	0.31	10.381	16	33.6	44.28	16	33.6	G0 M	13B	10294	J -2912547
96		7.6T	24 15.234	-0.0215	12	-22 0 40.96	-0.309	11	0.56	16.239	10	02.0	25.50	10	00.0	F8	GC	22121	B*-21 4360
97		8.5R	24 15.647	0.0021	12	-29 15 31.16	-0.034	12	0.25	15.612	16	33.6	30.60	16	33.6	K0 J	13B	10296	J -2912549
98		6.9T	24 21.655	-0.0013	09	-29 10 36.98	-0.009	09	0.55	21.728	15	94.7	36.46	17	91.5	B9	GC	22126	C -2912551
99		9.1R	24 29.252	-0.0066	18	-25 2 19.32	-0.020	18	0.34	29.361	16	33.6	18.99	16	33.6	F5 J	14	11481	E -2412688
00		9.3R	24 48.084	0.0001	12	-27 11 1.94	0.006	12	0.25	48.082	16	33.6	2.04	16	33.6	A0 J	13B	10300	J -2710950

184400

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ s	σ_μ ″/001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″/001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ ″/.01	ep.	δ_2 ″	σ' ″/.01	ep.	SP.		SOURCE CAT.	SOURCE STAR NUMBER	-20° 16H DM NUMBER
1		9.0R	16 24 51.565	-0.0051	12	-22 29 2.88	-0.072	12	0.25	51.648	16	33.6	1.69	16	33.6	F2	J	14	11482	E -2211538
2		9.3R	25 4.350	0.0025	18	-26 20 35.65	-0.007	18	0.34	4.310	16	33.6	35.54	16	33.6	A3	J	14	11483	E -2611350
3		6.9T	25 12.098	0.0014	13	-25 20 38.72	0.014	11	0.65	12.027	15	98.9	39.46	17	97.1	A2F		GC	22136	C -2511513
4		9.0R	25 20.277	-0.0013	20	-26 21 56.55	-0.006	20	0.36	20.299	16	33.6	56.46	16	33.6	K2	J	14	11485	E -2611353
5		7.2R	25 23.321	-0.0036	18	-24 38 21.65	-0.056	18	0.34	23.379	16	33.6	20.73	16	33.6	F2	J	14	11486	E -2412690
6		9.2R	25 27.725	0.0004	15	-26 6 57.40	0.030	15	0.29	27.719	16	33.6	57.90	16	33.6	K5	J	14	11487	E -2511515
7		9.0R	25 30.536	-0.0002	20	-26 34 18.43	0.022	20	0.36	30.540	16	33.6	18.80	16	33.6	K5	J	14	11488	E -2611354
8		9.2R	25 33.668	-0.0002	20	-29 28 21.62	-0.044	20	0.36	33.672	16	33.6	20.89	16	33.6	G5	J	13B	10304	J -2912562
9		9.1A	25 46.398	-0.0008	13	-22 6 36.68	0.007	09	0.25	46.411	16	33.6	36.78	16	33.6	A2	J	13A	6773	A -21 4364
10		9.0R	25 48.024	-0.0057	17	-26 5 19.33	-0.002	17	0.31	48.118	16	33.6	19.30	16	33.6	F8	J	14	11489	E -2511517
11		9.2R	25 50.898	0.0018	20	-28 56 22.24	-0.079	20	0.36	50.868	16	33.6	20.94	16	33.6	G0	J	13B	10308	J -2812137
12		8.2R	25 57.517	-0.0053	18	-24 25 33.39	-0.204	18	0.34	57.604	16	33.6	30.03	16	33.6	G5	J	14	11490	E -2412691
13		9.0R	26 10.286	-0.0004	20	-27 15 54.56	-0.021	20	0.36	10.293	16	33.6	54.22	16	33.6	G5	J	13B	10312	J -2710960
14		9.1R	26 17.813	-0.0010	20	-29 22 8.68	0.006	20	0.36	17.830	16	33.6	8.77	16	33.6	K5	J	13B	10313	J -2912571
15		3.1M	26 20.206	-0.0005	01	-26 19 21.95	-0.023	01	0.04	20.228	02	01.6	20.90	02	04.0	+++		F4	616D	C -2611359
16		8.3A	26 21.779	-0.0041	18	-21 27 34.95	0.000	13	0.30	21.846	16	33.6	34.96	16	33.6	F5	J	13A	6774	A -21 4366
17		8.3R	26 29.030	-0.0064	21	-29 45 30.36	-0.024	21	0.38	29.135	16	33.6	29.96	16	33.6	K2	J	13B	10315	J -2912573
18		9.2R	26 29.618	-0.0057	21	-29 58 0.63	-0.156	21	0.38	29.711	16	33.6	58.88	16	33.6	G0	J	13B	10316	J -2912574
19		8.5R	26 41.482	-0.0003	20	-29 57 38.95	0.032	20	0.36	41.487	16	33.6	39.47	16	33.6	A0	J	13B	10317	J -2912576
20		9.2R	26 42.450	-0.0009	20	-28 57 21.40	0.001	20	0.36	42.465	16	33.6	21.42	16	33.6	G0	J	13B	10318	J -2812146
21		9.4R	26 43.454	-0.0008	20	-22 44 22.61	0.071	20	0.36	43.467	16	33.6	23.78	16	33.6	G5	J	14	11492	E -2211542
22		8.6A	26 48.159	-0.0012	15	-21 20 17.24	-0.016	12	0.27	48.178	16	33.6	16.98	16	33.6	K0	J	13A	6775	A -21 4368
23		8.6R	26 51.452	-0.0027	20	-26 28 55.48	-0.035	20	0.36	51.496	16	33.6	54.91	16	33.6	A0	J	14	11493	E -2611363
24		8.2R	26 52.292	-0.0001	18	-24 52 14.73	-0.019	18	0.34	52.294	16	33.6	14.42	16	33.6	A2	J	14	11494	E -2412693
25		7.3T	26 56.634	-0.0024	09	-25 2 21.14	-0.033	07	0.47	56.763	15	96.1	19.24	15	92.4	B9		GC	22170	C*-2412694
26		9.2R	27 7.751	0.0031	15	-22 19 54.51	-0.012	15	0.29	7.701	16	33.6	54.31	16	33.6	G5	J	14	11498	E -2211546
27		9.0R	27 9.290	-0.0037	20	-26 26 49.20	-0.014	20	0.36	9.351	16	33.6	48.98	16	33.6	F8	J	14	11496	E -2611366
28		6.8T	27 9.369	-0.0007	09	-27 48 28.62	-0.006	07	0.36	9.401	07	07.3	28.37	09	06.2	B8		GC	22178	C -2710967
29		4.9T	27 9.899	-0.0005	03	-25 0 24.44	-0.024	04	0.16	9.921	06	07.1	23.41	06	07.0	B3		GC	22179	C*-2412695
30		8.0R	27 29.682	-0.0007	18	-27 4 7.73	-0.042	18	0.34	29.692	16	33.6	7.05	16	33.6	K2	J	14	11499	E -2611369
31		8.5R	27 30.990	-0.0014	20	-25 21 44.86	-0.034	20	0.36	31.013	16	33.6	44.30	16	33.6	F8	J	14	11500	E -2511525
32		7.7R	27 33.628	-0.0011	17	-29 22 31.00	-0.028	17	0.31	33.646	16	33.6	30.54	16	33.6	A2	J	13B	10323	J -2912590
33		9.1R	27 50.515	-0.0013	12	-25 33 5.03	-0.032	12	0.25	50.537	16	33.6	4.51	16	33.6	G0	J	14	11501	E -2511526
34		8.9A	27 55.008	-0.0001	15	-20 42 54.59	-0.006	12	0.27	55.008	16	33.6	54.49	16	33.6	K2	J	13A	6780	A -20 4501
35		8.6R	28 1.851	-0.0007	12	-29 53 25.55	-0.019	12	0.25	1.862	16	33.6	25.24	16	33.6	F5	J	13B	10326	J -2912594
36		9.3R	28 8.961	-0.0081	17	-29 50 31.42	-0.020	17	0.31	9.093	16	33.6	31.09	16	33.6	F8	M	13B	10327	J -2912595
37		6.2T	28 18.387	-0.0021	05	-26 25 49.87	-0.036	06	0.31	18.498	09	96.5	47.95	10	96.1	K0		GC	22201	C -2611379
38		8.1R	28 33.156	-0.0021	12	-29 46 56.52	-0.013	12	0.25	33.191	16	33.6	56.30	16	33.6	K0	J	13B	10331	J -2912601
39		9.0R	28 36.864	0.0072	20	-29 32 19.86	-0.051	20	0.36	36.745	16	33.6	19.02	16	33.6	G0	J	13B	10332	J -2912602
40		8.2R	28 37.608	-0.0029	12	-22 41 40.54	-0.001	12	0.25	37.655	16	33.6	40.52	16	33.6	G5	J	14	11505	E -2211549
41		9.4R	28 38.927	-0.0004	18	-24 18 52.19	-0.031	18	0.34	38.934	16	33.6	51.68	16	33.6			14	11504	E -2412698
42		9.0R	28 39.983	-0.0013	18	-26 15 38.52	-0.015	18	0.34	40.004	16	33.6	38.28	16	33.6	F5	J	14	11503	E -2611382
43		9.1R	28 45.151	0.0002	20	-26 30 23.17	-0.010	20	0.36	45.147	16	33.6	23.01	16	33.6	F0	J	14	11506	E -2611383
44		8.2R	28 50.218	-0.0034	12	-25 54 18.51	0.004	12	0.25	50.274	16	33.6	18.58	16	33.6	F8	J	14	11507	E -2511528
45		8.8A	28 52.594	0.0001	18	-21 25 27.26	0.019	13	0.30	52.593	16	33.6	27.58	16	33.6	A0	J	13A	6782	A -21 4380
46		8.9R	28 53.977	-0.0020	20	-29 57 0.24	-0.056	20	0.36	54.009	16	33.6	-59.32	16	33.6	F2	J	13B	10336	J -2912605
47		9.1R	28 56.243	-0.0035	20	-28 23 54.31	0.024	20	0.36	56.300	16	33.6	54.71	16	33.6	G0	J	13B	10339	J -2812173
48		9.3R	28 56.576	0.0004	20	-27 55 29.61	-0.006	20	0.36	56.570	16	33.6	29.52	16	33.6	K5	J	13B	10340	J -2710978
49		9.0R	29 3.677	-0.0058	20	-29 49 11.54	-0.003	20	0.36	3.772	16	33.6	11.49	16	33.6	K5	J	13B	10341	J -2912608
50		4.6T	29 10.062	0.0009	03	-21 21 39.92	0.034	03	0.15	10.014	06	98.0	41.76	06	96.7	F0		GC	22221	B*-21 4381
51		8.2T	16 29 16.490	-0.0009	11	-28 56 14.44	-0.025	09	0.59	16.538	18	97.5	13.04	18	93.7	A2		GC	22226	C -2812178
52		9.2R	29 25.019	-0.0027	15	-26 1 58.86	0.010	15	0.29	25.063	16	33.6	59.05	16	33.6	F8	J	14	11508	E -2511530
53		8.5A	29 28.930	-0.0003	17	-20 38 47.38	-0.008	13	0.29	28.934	16	33.6	47.25	16	33.6	K0	J	13A	6785	A -20 4506
54		9.3R	29 34.306	0.0014	20	-29 8 55.92	0.001	20	0.36	34.283	16	33.6	55.93	16	33.6	A3	J	13B	10347	J -2812182
55		9.1A	29 58.577	-0.0018	13	-20 13 19.14	0.012	09	0.25	58.606	16	33.6	19.34	16	33.6	A0	J	13A	6788	A -20 4509
56		9.0R	30 2.029	0.0009	18	-25 1 26.25	0.030	18	0.34	2.015	16	33.6	26.74	16	33.6	G0	J	14	11510	E -2412700
57		8.4R	30 6.768	0.0012	15	-28 0 37.80	-0.013	15	0.29	6.748	16	33.6	37.59	16	33.6	K0	J	13B	10357	J -2710986
58		8.6R	30 13.360	0.0008	12	-29 50 34.31	-0.003	12	0.25	13.348	16	33.6	34.26	16	33.6	G5	J	13B	10358	J -2912625
59		9.1A	30 35.273	-0.0001	17	-21 15 0.48	0.020	13	0.29	35.274	16	33.6	0.81	16	33.6	A2	J	13A	6789	A -21 4386
60		8.5R	30 49.545	-0.0041	15	-24 11 10.31	-0.020	15	0.29	49.613	16	33.6	9.98	16	33.6	G5	J	14	11511	E -2412704
61		8.6R	30 49.846	0.0014	15	-22 43 19.66	0.035	15	0.29	49.823	16	33.6	20.23	16	33.6	G0	J	14	11512	E -2211553
62		9.2R	30 56.596	-0.0025	12	-25 42 35.15	-0.045	12	0.25	56.637	16	33.6	34.41	16	33.6	G0	J	14	11513	E -2511538
63		9.2R	30 58.732	-0.0011	15	-26 24 4.86	-0.009	15	0.29	58.750	16	33.6	4.72	16	33.6	B9	J	14	11514	E -2611400
64		8.4R	30 59.951	-0.0002	12	-29 43 38.51	-0.011	12	0.25	59.955	16	33.6	38.32	16	33.6	F8	J	13B	10361	J -2912638
65		8.9R	31 4.962	0.0014	12	-29 9 21.12	-0.020	12	0.25	4.938	16	33.6	20.79	16	33.6	K0	J	13B	10362	J -2812207
66		8.6R	31 9.853	-0.0011	18	-24 53 48.88	-0.033	18	0.34	9.871	16	33.6	48.34	16	33.6	K0	J	14	11516	E -2412707
67		8.7R	31 12.579	-0.0014	12	-29 36 33.87	-0.016	12	0.25	12.602	16	33.6	33.61	16	33.6	A2	J	13B	10364	J -2912641
68		9.4R	31 20.842	0.0003	15	-25 26 46.86	-0.016	15	0.29	20.836	16	33.6	46.60	16	33.6	A0	J	14	11517	E -2511541
69		9.1R	31 32.050	0.0013	18	-27 37 56.43	-0.046	18	0.34	32.029	16	33.6	55.67	16	33.6	K2	M	13B	10368	J -2710999
70		9.0R	31 42.287	-0.0030	15	-22 30 46.35	-0.038	15	0.29	42.336	16	33.6	45.72	16	33.6	K5	J	14	11519	E -2211555
71		9.5R	31 50.039	-0.0048	21	-27 13 18.07	0.018	21	0.38	50.118	16	33.6	18.36	16	33.6	F0	M	13B	10370	J -2711001
72		9.0R	31 57.209	0.0009	12	-26 19 52.08	-0.013	12	0.25	57.194	16	33.6	51.86	16	33.6	F5	J	14	11521	E -2611410
73		9.0R	31 59.793	-0.0016	15	-26 11 58.49	-0.002	20	0.33	59.819	16	33.6	58.46	16	33.6	G5	J	14	11522	E -2611411
74		9.0A	32 1.453	0.0013	18	-20 1 40.10	0.006	13	0.31	1.432	18	33.5	40.19	16	33.5	K0	J	12B	6794	A -19 4382
75		8.4R	32 10.485	-0.0026	20	-26 22 33.25	0.002	20	0.36	10.528	16	33.6	33.29	16	33.6	B9	J	14	11523K	E -2611412
76		7.6R	32 16.150	0.0009	12	-29 25 43.22	-0.003	12	0.25	16.135	16	33.6	43.17	16	33.6	K0	J	13B	10371	J -2912652
77		9.4R	32 22.183	0.0022	20	-29 58 18.85	0.014	20	0.36	22.147	16	33.6	19.07	16	33.6	A0	M	13B	10373	J -2912655
78		8.6A	32 30.608	-0.0059	11	-21 46 26.74	-0.122	09	0.22	30.704	16	33.6	24.73	16	33.6	F5	J	13A	6795	A -21 4389
79		9.0A	32 40.287	-0.0007	17	-20 9 12.52	0.035	13	0.29	40.298	16	33.6	13.10	16	33.6	K0	J	13A	6797	A -19 4387
80		9.4R	32 44.305	0.0024	20	-29 34 33.92	0.030	20	0.36	44.266	16	33.6	34.41	16	33.6	F5	M	13B	10375	J -2912664
81		2.9H	32 45.906	-0.0006	01	-28 6 50.56	-0.025	02	0.06	45.928	03	13.7	49.61	03	11.4	B0		F4	620	C -2711015
82		8.4R	32 49.195	-0.0022	12	-25 16 46.62	-0.055	12	0.25	49.230	16	33.6	45.72	16	33.6	K2	J	14	11524	E -2511559
83		8.9R	32 52.715	-0.0010	18	-25 3 52.54	-0.015	18	0.34	52.731	16	33.6	52.29	16	33.6	K0	J	14	11525	E -2412716
84		8.4R	32 55.318	-0.0010	17	-28 15 25.98	0.032	17	0.31	55.334	16	33.6	26.51	16	33.6	B9	J	13B	10377	J -2812233
85		9.0R	33 8.867	0.0007	15	-25 39 8.57	0.002	15	0.29	8.856	16	33.6	8.60	16	33.6	K2	J	14	11527	E -2511562
86		8.5R	33 10.322	-0.0008	20	-29 3 40.54	-0.013	20	0.36	10.335	16	33.6	40.33	16	33.6	K2	J	13B	10380	J -2812238
87		9.0R	33 14.202	0.0007	12	-27 22 59.38	-0.047	12	0.25	14.190	16	33.6	58.61	16	33.6	K2	J	13B	10381	J -2711016
88		9.2R	33 15.946	-0.0046	21	-23 53 1.40	-0.090	21	0.38	16.022	16	33.6	-59.91	16	33.6	G0	J	14	11528	E -2312872
89		9.0A	33 18.902	-0.0011	15	-21 0 0.38	-0.007	12	0.27	18.919	16	33.6	0.27	16	33.6	F8	J	13A	6799	A -20 4524
90		8.5R	33 32.114	-0.0006	12	-29 26 46.89	-0.004	12	0.25	32.123	16	33.6	46.82	16	33.6	A0	J	13B	10388	J -2912678
91		9.2R	33 33.391	-0.0003	20	-28 52 57.75	0.012	20	0.36	33.396	16	33.6	57.95	16	33.6	A0	J	13B	10390	J -2812242
92		9.1A	33 38.378	-0.0030	17	-20 2 55.20	0.009	13	0.29	38.426	16	33.6	55.35	16	33.6	F2	J	13A	6801	A -19 4395
93		8.7R	33 38.833	-0.0023	12	-29 1 17.60	0.012	12	0.25	38.871	16	33.6	17.80	16	33.6	K2	J	13B	10392	J -2812244
94		8.9A	33 46.391	-0.0027	17	-20 26 46.95	0.000	12	0.28	46.435	16	33.6	46.95	16	33.6	A0	J	13A	6803	A -20 4526
95		9.4R	33 47.282	0.0003	20	-27 2 15.25	-0.007	20	0.36	47.277	16	33.6	15.13	16	33.6	G5	J	14	11531	E -2611424
96		9.2R	33 50.528	-0.0007	18	-26 58 23.43	-0.033	18	0.34	50.539	16	33.6	22.89	16	33.6	A0	J	14	11532	E -2611427
97		9.3R	33 51.019	0.0023	20	-29 31 13.79	-0.023	20	0.36	50.982	16	33.6	13.41	16	33.6	G5	J	13B	10396	J -2912685
98		9.1R	33 53.592	-0.0034	20	-29 36 21.22	-0.004	20	0.36	53.648	16	33.6	21.15	16	33.6	K0	J	13B	10399	J -2912691
99		9.0A	34 26.537	-0.0005	18	-20 25 9.74	0.039	13	0.30	26.546	16	33.6	10.39	16	33.6	K2	J	13A	6804	A -20 4528
00		8.5R	34 29.952	-0.0002	12	-28 30 57.52	-0.014	12	0.25	29.956	16	33.6	57.29	16	33.6	K0	J	13B	10403	J -2812250

184500

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ s	σ_μ .001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ .001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ .01	ep.	δ_2 ″	σ' .01	ep.	SP.		SOURCE CAT.	STAR NUMBER	-20° 16H DM NUMBER
1		8.6T	16 34 39.431	-0.0054	12	-21 57 27.53	-0.135	10	0.56	39.683	10	33.6	20.93	14	01.3	G5		GC	22341	-21 4391
2		8.6R	35 1.568	-0.0014	12	-29 34 42.92	-0.021	12	0.25	1.590	16	33.6	42.57	16	33.6	F5	J	13B	10406	J -2912689
3		8.6R	35 2.427	0.0033	12	-28 6 19.87	-0.002	12	0.25	2.372	16	33.6	19.84	16	33.6	K5	J	13B	10407	J -2711049
4		9.2R	35 6.788	-0.0004	15	-22 20 37.01	-0.045	15	0.29	6.796	16	33.6	36.26	16	33.6	G5	J	14	11535	E -2211579
5		9.2R	35 8.552	-0.0044	20	-26 56 9.43	-0.110	20	0.36	8.625	16	33.6	7.62	16	33.6	G5	J	14	11534	E -2611435
6		9.3R	35 11.643	0.0006	18	-23 9 42.57	-0.003	18	0.34	11.633	16	33.6	42.52	16	33.6	A0	J	14	11537	E -2312878
7		9.3R	35 11.929	-0.0001	20	-24 47 18.35	0.010	20	0.36	11.931	16	33.6	18.52	16	33.6	B9	J	14	11536	E -2412737
8		7.6T	35 19.226	-0.0031	10	-22 47 36.12	-0.063	12	0.54	19.378	09	01.2	33.01	12	00.6	F2		GC	22358	B#-22 4182
9		9.5R	35 20.528	-0.0006	18	-25 7 40.72	-0.014	18	0.34	20.528	16	33.6	40.49	16	33.6	A3	J	14	11538	E -2412739
10		8.8R	35 23.014	0.0010	12	-28 49 37.48	0.011	12	0.25	22.998	16	33.6	37.66	16	33.6	A3	J	13B	10411	J -2812260
11		9.3R	35 24.105	0.0011	12	-25 15 56.25	0.023	15	0.27	24.086	16	33.6	56.63	16	33.6	K5	J	14	11540	E -2511585
12		9.3R	35 30.085	-0.0028	20	-28 27 40.83	0.061	20	0.36	30.131	16	33.6	41.83	16	33.6	F5	J	13B	10413	J -2812262
13		8.3R	35 30.773	-0.0010	20	-26 53 25.98	-0.012	20	0.36	30.789	16	33.6	25.78	16	33.6	B9	J	14	11542	E -2611439
14		9.3R	35 30.811	0.0015	15	-25 54 12.13	0.019	15	0.29	30.785	16	33.6	12.44	16	33.6	K2	J	14	11543	E -2511587
15		8.4R	35 31.911	-0.0024	17	-24 1 58.65	0.100	17	0.31	31.950	16	33.6	57.00	16	33.6	F0	J	14	11544	E -2312880
16		8.3R	35 36.236	0.0117	12	-29 47 34.95	-0.097	12	0.25	36.044	16	33.6	33.35	16	33.6	G0	J	13B	10415	J -2912704
17		9.1R	35 48.659	-0.0019	18	-23 3 24.85	-0.013	18	0.33	48.690	16	33.9	24.64	16	33.9	K0	J	14	11545	E -2211572
18		9.5R	35 55.022	0.0017	15	-25 44 06.50	0.001	15	0.29	54.995	16	33.9	26.52	16	33.9	A5	M	14	11546	E -2511591
19		9.2R	35 55.273	0.0013	20	-28 41 19.90	-0.006	20	0.35	55.252	16	33.9	19.80	16	33.9	F8	J	13B	10416	J -2812265
20		8.1R	35 57.648	-0.0047	20	-27 53 2.48	-0.008	20	0.35	57.723	16	33.9	2.35	16	33.9	F8	J	13B, 10418		J -2711050
21		8.5T	35 58.874	0.0020	14	-28 48 20.61	-0.025	14	0.73	58.777	21	01.0	19.36	21	00.1	K0		GC	22373	C -2812267
22		9.1A	36 1.382	-0.0019	17	-21 56 45.88	0.054	13	0.29	1.413	16	33.9	45.94	16	33.9	F8	J	13A	6811	A -21 4394
23		7.2T	36 6.657	0.0000	12	-29 49 35.01	0.005	09	0.60	6.657	18	98.4	35.28	17	92.7	A3		GC	22377	C -2912708
24		9.3R	36 8.630	-0.0045	20	-28 23 25.41	-0.122	20	0.35	8.702	16	33.9	23.45	16	33.9	G5	J	13B	10424	J -2812269
25		8.8R	36 13.279	0.0014	20	-26 21 51.03	-0.044	20	0.35	13.256	16	33.9	50.32	16	33.9	G0	J	14	11547	E -2611447
26		9.4R	36 16.143	-0.0011	15	-23 43 44.97	0.015	15	0.29	16.160	16	33.9	45.20	16	33.9	A2	J	14	11549	E -2312881
27		8.1R	36 25.584	0.0006	12	-27 11 16.82	-0.027	12	0.25	25.575	16	33.9	16.39	16	33.9	B9	J	13B	10427	J -2711054
28		8.8R	36 38.093	0.0004	18	-24 54 39.39	-0.017	18	0.33	38.086	16	33.9	39.67	16	33.9	A0	J	14	11550	E -2412751
29		9.0A	36 53.175	-0.0015	13	-21 53 46.32	-0.010	09	0.24	53.200	16	33.9	46.15	16	33.9	K0	J	13A	6813	A -21 4395
30		9.5R	36 58.366	0.0017	18	-24 59 13.09	-0.017	18	0.33	58.338	16	33.9	12.81	16	33.9	K0	M	14	11551	E -2412753
31		7.9T	37 1.510	-0.0009	10	-25 57 49.92	-0.006	09	0.56	1.559	17	94.7	49.57	15	90.5	A3		GC	22400	C -2511600
32		7.0T	37 2.439	-0.0022	11	-28 50 35.02	-0.034	09	0.60	2.556	18	97.2	33.07	17	92.8	K5		GC	22401	C -2812277
33		8.4R	37 6.946	-0.0008	15	-26 21 24.30	-0.029	15	0.29	6.958	16	33.9	23.83	16	33.9	F0	J	14	11553	E -2611459
34		9.2R	37 8.074	-0.0014	17	-28 47 47.47	-0.042	17	0.31	8.096	16	33.9	46.79	16	33.9	A2	J	13B	10433	J -2812278
35		8.0R	37 8.492	0.0022	18	-26 13 31.16	-0.020	18	0.33	8.456	16	33.9	30.84	16	33.9	K0	J	14	11554	E -2611460
36		8.9R	37 16.446	-0.0019	18	-23 47 56.45	-0.020	18	0.33	16.476	16	33.9	56.12	16	33.9	A0	J	14	11556	E -2312887
37		8.5R	37 16.801	-0.0001	12	-25 10 26.44	-0.008	12	0.25	16.802	16	33.9	26.30	16	33.9	K5	J	14	11555	E -2511602
38		9.6R	37 23.023	-0.0001	18	-23 33 11.40	-0.008	18	0.33	23.025	16	33.9	11.27	16	33.9	A0	J	14	11557	E -2312888
39		9.2A	37 23.655	-0.0007	17	-21 49 14.39	-0.017	13	0.29	23.666	16	33.9	14.11	16	33.9	K2	J	13A	6814	A -21 4396
40		9.0A	37 33.586	0.0018	15	-20 18 13.70	0.006	12	0.27	33.556	16	33.9	13.79	16	33.9	M2	J	13A	6815	A -20 4536
41		6.5T	37 37.395	0.0008	06	-20 18 45.92	0.031	06	0.33	37.354	09	00.0	47.51	09	98.5	K0		GC	22421	-20 4537
42		8.9A	38 0.246	0.0002	20	-21 34 27.15	-0.006	15	0.32	0.243	16	33.9	27.04	16	33.9	K2	J	13A	6819	A -21 4399
43		9.1R	38 8.902	0.0003	12	-29 27 20.88	0.031	12	0.25	8.897	16	33.9	21.38	16	33.9	F5	J	13B	10440	J -2912740
44		8.6R	38 12.624	0.0024	18	-23 13 42.65	0.014	18	0.33	12.585	16	33.9	42.87	16	33.9	K0	J	14	11558	E -2312890
45		8.5R	38 24.508	-0.0032	15	-24 18 24.40	-0.016	15	0.29	24.559	16	33.9	24.14	16	33.9	F8	J	14	11559	E -2412762
46		8.5R	38 27.585	0.0004	12	-28 29 27.55	0.012	12	0.25	27.577	16	33.9	27.74	16	33.9	B9	J	13B	10443	J -2812293
47		6.5T	38 30.652	0.0013	11	-27 42 50.03	-0.036	09	0.57	30.582	18	97.7	48.08	18	95.9	K0		GC	22443	C -2711076
48		8.6R	38 30.823	-0.0004	12	-27 0 34.77	-0.009	15	0.27	30.829	16	33.9	34.63	16	33.9	K0	J	14	11560	E -2611473
49		6.1T	38 34.079	-0.0040	05	-24 22 21.91	-0.010	06	0.26	34.260	07	04.9	21.43	09	03.8	A5		GC	22447	C -2412765
50		8.5R	38 34.365	-0.0037	20	-29 21 12.05	0.010	20	0.35	34.424	16	33.9	12.21	16	33.9	K0	J	13B	10448	J -2912745
51		8.6R	16 38 43.893	-0.0016	20	-27 0 37.01	0.009	20	0.35	43.919	16	33.9	37.15	16	33.9	M5	M	14	11562	E -2611477
52		8.7R	38 58.273	-0.0018	20	-28 45 2.66	-0.066	20	0.35	58.302	16	33.9	1.76	16	33.9	G0	J	13B	10453	J -2812302
53		7.7T	38 58.454	0.0036	11	-29 1 44.27	-0.099	09	0.55	58.269	17	98.3	38.92	17	96.0	G5		GC	22455	C -2812301
54		9.1R	38 59.449	0.0018	20	-29 17 38.91	-0.064	20	0.35	59.420	16	33.9	38.04	16	33.9	M0	M	13B	10454	J -2912753
55		8.7R	39 6.457	-0.0002	18	-24 43 28.92	-0.030	18	0.33	6.460	16	33.9	28.43	16	33.9	K0	J	14	11563	E -2412768
56		9.1R	39 14.251	-0.0033	18	-22 36 27.32	0.061	18	0.33	14.304	16	33.9	28.14	16	33.9	F5	J	14	11564	E -2211589
57		9.2R	39 15.070	0.0019	20	-29 32 30.59	-0.030	20	0.35	15.039	16	33.9	30.10	16	33.9	F8	J	13B	10456	J -2912758
58		8.7A	39 20.524	-0.0020	18	-20 5 33.31	0.006	13	0.30	20.555	16	33.9	33.40	16	33.9	B9	J	13A	6824	A -19 4458
59		8.9R	39 22.266	0.0017	12	-29 17 49.61	0.006	12	0.25	22.238	16	33.9	49.71	16	33.9	G0	J	13B	10457	J -2912761
60		9.5R	39 27.647	-0.0003	00	-23 35 0.32	-0.052	18	0.26	27.651	16	33.9	59.48	16	33.9	F8	M	14	11565	E -2312896
61		8.6A	39 27.730	-0.0005	20	-20 4 11.80	-0.041	15	0.32	27.737	16	33.9	11.14	16	33.9	F5	J	13A	6825	A -19 4409
62		9.4R	39 30.928	-0.0010	20	-24 32 19.05	-0.015	20	0.35	30.944	16	33.9	18.80	16	33.9	K	M	14	11566	E -2412772
63		8.1R	39 41.049	-0.0011	18	-27 5 36.36	-0.038	18	0.33	41.067	16	33.9	35.75	16	33.9	K2	J	14	11567	E -2611484
64		8.7R	39 51.828	-0.0002	12	-29 21 29.21	-0.000	12	0.25	51.831	16	33.9	29.21	16	33.9	A2	J	13B	10459	J -2912770
65		9.2R	39 55.039	-0.0060	21	-23 37 15.18	0.029	21	0.37	55.119	16	33.9	15.64	16	33.9	A2	J	14	11569K	E -2312898
66		9.5R	39 56.120	0.0014	21	-27 36 14.08	0.027	21	0.37	56.098	16	33.9	14.52	16	33.9	K	M	13B	10462	J -2711088
67		9.5R	39 56.768	0.0023	18	-25 7 56.44	-0.008	18	0.33	56.730	16	33.9	56.30	16	33.9	A2	J	14	11568	E -2412780
68		9.5R	39 59.940	-0.0022	18	-25 0 21.56	-0.004	18	0.33	59.976	16	33.9	21.50	16	33.9	G5	J	14	11571	E -2412782
69		8.2R	40 0.342	-0.0037	15	-26 21 53.22	-0.044	12	0.27	0.402	16	33.9	52.51	16	33.9	F2	J	14	11570	E -2611488
70		8.6A	40 3.178	-0.0020	18	-21 14 59.67	-0.069	13	0.30	3.210	16	33.9	58.57	16	33.9	F8	J	13A	6826	A -21 4403
71		8.8R	40 7.303	-0.0033	20	-26 37 25.33	-0.014	20	0.35	7.356	16	33.9	25.10	16	33.9	A5	J	14	11572	E -2611490
72		9.1R	40 9.288	-0.0001	20	-29 17 18.92	0.019	20	0.35	9.290	16	33.9	19.23	16	33.9	G5	J	13B	10464	J -2912775
73		9.2R	40 10.127	0.0006	18	-22 15 3.41	0.037	18	0.33	10.117	16	33.9	3.99	16	33.9	F8	J	14	11573	E -2211654
74		8.0R	40 18.759	-0.0015	12	-28 13 5.30	-0.001	12	0.25	18.783	16	33.9	5.28	16	33.9	F8	J	13B	10466	J -2812329
75		9.1R	40 28.255	0.0002	18	-24 57 2.62	-0.029	18	0.33	28.250	16	33.9	2.15	16	33.9	A2	J	14	11574	E -2412787
76		9.6R	40 35.037	-0.0027	20	-26 20 4.04	0.017	20	0.35	35.080	16	33.9	4.31	16	33.9	K0	M	14	11575	E -2611499
77		9.2A	40 36.792	0.0009	17	-20 7 59.20	-0.012	13	0.29	36.776	16	33.9	59.00	16	33.9	K2	J	13A	6830	A -19 4411
78		7.5T	40 39.574	-0.0031	10	-22 38 35.51	-0.013	13	0.62	39.729	15	99.9	34.86	17	00.4	A0		GC	22490	-22 4196
79		8.4A	40 40.180	0.0002	18	-20 36 12.54	-0.002	13	0.30	40.176	16	33.9	12.51	16	33.9	A0	J	13A	6831	A -20 4547
80		9.4R	40 44.090	-0.0007	15	-25 7 30.19	0.011	15	0.29	44.101	16	33.9	30.37	16	33.9	A0	J	14	11578	E -2412792
81		6.9T	40 45.863	-0.0027	09	-26 42 53.67	-0.095	09	0.49	46.001	12	98.3	48.53	15	95.8	G0		GC	22496	C -2611554
82		8.2R	40 46.101	0.0007	12	-29 29 44.45	0.057	12	0.25	46.090	16	33.9	44.56	16	33.9	A0	J	13B	10470	J -2912788
83		8.5R	40 46.224	0.0100	20	-28 54 23.47	-0.095	20	0.35	46.062	16	33.9	21.94	16	33.9	K5	J	13B	10471	J -2812335
84		9.2R	40 47.166	-0.0021	15	-25 41 6.37	-0.002	15	0.29	47.199	16	33.9	6.34	16	33.9	A0	J	14	11579	E -2511637
85		8.4R	40 49.202	0.0011	12	-28 34 26.53	-0.023	12	0.25	49.185	16	33.9	26.16	16	33.9	A2	J	13B	10473	J -2812336
86		8.1T	40 49.329	0.0023	08	-23 2 16.26	-0.059	07	0.42	49.212	15	99.5	12.99	15	94.6	G0		GC	22498	B#-22 4197
87		9.1R	40 51.956	-0.0022	15	-25 11 26.28	0.018	15	0.29	51.992	16	33.9	26.57	16	33.9	A5	J	14	11581	E -2511638
88		9.0R	40 57.553	0.0006	20	-29 12 18.90	0.021	20	0.35	57.543	16	33.9	19.24	16	33.9	A0	J	13B	10475	J -2912791
89		8.8R	41 2.428	0.0011	18	-23 55 12.51	-0.028	18	0.33	2.410	16	33.9	12.05	16	33.9	A0	J	14	11582	E -2312903
90		8.9R	41 5.691	0.0006	20	-29 0 14.61	0.014	20	0.35	5.681	16	33.9	14.84	16	33.9	F5	J	13B	10476	J -2812344
91		6.4T	41 10.927	-0.0013	07	-27 21 50.42	-0.009	07	0.39	10.991	10	99.9	49.95	12	97.8	A0		GC	22503K	C#-2711153
92		8.6R	41 16.786	-0.0030	20	-26 13 57.76	0.026	20	0.35	16.737	16	33.9	58.18	16	33.9	K5	J	14	11583	E -2611509
93		7.5T	41 17.846	-0.0015	26	-22 25 53.13	-0.035	22	1.14	17.917	19	03.6	51.47	19	03.0	A0		GC	22508	-22 4199
94		9.0R	41 24.140	0.0025	17	-29 30 14.91	0.006	17	0.31	24.100	16	33.9	14.99	16	33.9	A2	J	13B	10480	J -2912795
95		8.7R	41 27.396	0.0043	20	-29 32 37.70	-0.082	20	0.35	27.327	16	33.9	36.38	16	33.9	G0	J	13B	10482K	J -2912796
96		9.3R	41 32.558	0.0009	12	-25 29 4.77	0.009	12	0.25	32.544	16	33.9	4.91	16	33.9	F0	J	14	11585	E -2511645
97		9.1R	41 36.268	-0.0030	18	-22 54 9.98	-0.003	18	0.33	36.316	16	33.9	9.93	16	33.9	G5	J	14	11586	E -2211617
98		8.9R	41 41.026	-0.0091	18	-25 7 24.59	-0.070	18	0.33	41.171	16	33.9	23.47	16	33.9	F8	J	14	11587	E -2412805
99		7.9T	41 43.514	-0.0007	12	-27 21 53.40	-0.049	13	0.68	43.549	21	98.5	50.94	21	99.6	F5		GC	22515K	C -2711113
00		9.0R	41 43.965	0.0009	18	-22 59 31.28	0.002	18	0.33	43.950	16	33.9	31.31	16	33.9	M2	M	14	11588	E -2211618

184600			EPOCH 1950							ORIGINAL EPOCH						SP.	SOURCE		-20° 16H
NUMBER	MAGNITUDES		α_{1950}	μ	σ_μ	δ_{1950}	μ'	$\sigma_{\mu'}$	σ_{1950}	α_2	σ	ep.	δ_2	σ'	ep.		CAT.	STAR NUMBER	DM NUMBER
	m_{pg}	m_v	h m s	s	″ .001	° ′ ″	″	″ .001	″	s	″ .01		″	″ .01						
1		9.0R	16 41 47.380	-0.0008	20	-29 0 7.76	-0.014	20	0.35	47.392	16	33.9	7.53	16	33.9	M0 M	13B	10486	J -2812355
2		6.0T	41 52.276	-0.0020	04	-28 25 6.11	-0.001	04	0.20	52.366	06	06.0	6.07	07	05.6	A2	GC	22525	C -2812358
3		9.3R	41 57.893	-0.0009	17	-27 14 31.76	0.011	17	0.31	57.908	16	33.9	31.94	16	33.9	A2 J	13B	10492	J -2711116
4		9.4R	41 58.337	-0.0070	21	-23 6 16.33	-0.044	21	0.37	58.449	16	33.9	15.63	16	33.9	M0 J	14	11589	E -2211620
5		9.6R	42 0.669	0.0013	18	-22 20 1.02	-0.003	18	0.33	0.649	16	33.9	0.96	16	33.9	G5 M	14	11591	E -2211621
6		9.1R	42 0.900	-0.0006	21	-29 14 20.90	-0.040	21	0.37	0.909	16	33.9	20.26	16	33.9	G5 M	13B	10493	J -2912803
7		6.9T	42 7.949	-0.0019	04	-23 5 33.07	-0.021	04	0.22	8.040	06	02.0	32.03	07	00.3	F5	GC	22527	B*-22 4205
8		9.2R	42 19.522	0.0002	15	-25 50 56.44	0.003	15	0.29	19.518	16	33.9	56.49	16	33.9	K5 J	14	11593	E -2511652
9		9.2R	42 20.434	-0.0031	15	-25 16 39.87	-0.125	15	0.29	20.483	16	33.9	37.86	16	33.9	G5 J	14	11594	E -2511653
10		8.8R	42 20.547	-0.0009	17	-28 59 30.48	-0.007	17	0.31	20.560	16	33.9	30.37	16	33.9	A2 J	13B	10497	J -2812366
11		8.5R	42 22.992	-0.0009	20	-29 20 56.92	-0.006	20	0.35	23.006	16	33.9	56.82	16	33.9	K0 J	13B	10498	J -2912808
12		7.4T	42 25.774	-0.0001	10	-28 44 59.85	-0.009	09	0.52	25.780	15	99.0	59.36	15	96.7	A2	GC	22533	C -2812368
13		8.6R	42 32.713	0.0040	12	-29 12 27.10	-0.009	12	0.25	32.648	16	33.9	26.96	16	33.9	K0F J	13B	10502	J -2912809
14		9.0R	42 34.726	-0.0013	15	-25 36 22.39	0.014	15	0.29	34.747	16	33.9	22.61	16	33.9	F0 J	14	11595	E -2511655
15		9.2R	42 34.937	0.0034	20	-29 1 28.58	-0.002	20	0.35	34.882	16	33.9	28.55	16	33.9	G0 M	13B	10503	J -2812370
16		9.4R	42 35.173	0.0020	18	-24 58 16.35	-0.020	18	0.33	35.140	16	33.9	16.02	16	33.9	K0 M	14	11596	E -2412813
17		6.9T	42 43.068	-0.0018	09	-26 33 30.65	-0.023	09	0.51	43.162	15	97.1	29.38	15	94.5	A0	GC	22539	C -2611533
18		9.3R	42 44.821	-0.0023	20	-27 46 51.18	-0.066	20	0.35	44.858	16	33.9	50.12	16	33.9	G0 J	13B	10508	J -2711128
19		8.0R	42 46.281	0.0023	12	-29 6 55.33	-0.056	12	0.25	46.243	16	33.9	54.43	16	33.9	K0 J	13B	10507	J -2812377
20		9.0R	43 8.100	-0.0018	12	-29 4 33.36	-0.015	12	0.25	8.128	16	33.9	33.12	16	33.9	A3 J	13B	10510	J -2812384
21		9.0R	43 15.644	0.0017	20	-27 13 19.51	-0.037	20	0.35	15.617	16	33.9	18.92	16	33.9	K0 J	13B	10511	J -2711138
22		9.0R	43 24.096	0.0009	18	-23 22 56.85	0.006	18	0.33	24.081	16	33.9	56.95	16	33.9	A0 J	14	11600	E -2312913
23		9.2R	43 25.730	-0.0003	20	-26 13 54.74	0.004	20	0.35	25.735	16	33.9	54.81	16	33.9	A0 J	14	11599	E -2611540
24		9.5R	43 27.571	0.0028	18	-22 13 38.38	0.019	18	0.33	27.526	16	33.9	38.67	16	33.9	F5 J	14	11601	E -2211629
25		8.1R	43 28.942	0.0027	18	-22 32 18.21	0.016	18	0.33	28.899	16	33.9	18.47	16	33.9	F5 J	14	11602	E -2211630
26		8.0R	43 29.567	-0.0014	20	-27 23 30.29	0.025	20	0.35	29.589	16	33.9	30.69	16	33.9	A2 J	13B	10514	J -2711140
27		8.4R	43 34.885	0.0011	12	-28 49 11.58	0.018	12	0.25	34.867	16	33.9	11.87	16	33.9	K0 J	13B	10515	J -2812389
28		9.0R	43 38.607	-0.0011	15	-26 10 48.27	-0.050	12	0.27	38.624	16	33.9	47.46	16	33.9	K0 J	14	11603	E -2611542
29		8.8R	43 42.806	0.0007	18	-24 46 43.14	-0.003	18	0.33	42.795	16	33.9	43.08	16	33.9	K0 J	14	11604	E -2412821
30		6.6T	43 47.404	-0.0003	04	-25 26 21.43	-0.016	04	0.21	47.420	07	98.0	20.58	07	97.7	K0	GC	22570	C*-2511667
31		9.0R	43 52.654	-0.0025	12	-28 17 5.57	0.016	12	0.25	52.694	16	33.9	5.83	16	33.9	F0 M	13B	10518	J -2812397
32		8.0R	43 54.881	0.0028	17	-29 30 16.38	-0.016	17	0.31	54.836	16	33.9	16.12	16	33.9	K0 J	13B	10519	J -2912836
33		9.3R	43 57.605	-0.0027	20	-26 36 55.96	-0.066	20	0.35	57.649	16	33.9	54.90	16	33.9	G5 M	14	11606	E -2611547
34		7.6T	44 0.128	0.0020	09	-20 0 46.17	-0.150	09	0.49	0.028	15	00.6	38.14	14	96.5	K0	GC	22579	-19 4425
35		9.1R	44 11.173	0.0002	18	-23 38 55.51	-0.012	18	0.33	11.170	16	33.9	55.31	16	33.9	K2 J	14	11607	E -2312920
36		9.1R	44 18.998	-0.0022	18	-24 37 2.87	-0.033	18	0.33	19.033	16	33.9	2.33	16	33.9	G0 J	14	11608	E -2412826
37		9.5R	44 22.605	-0.0058	20	-27 7 12.50	-0.036	20	0.35	22.698	16	33.9	11.92	16	33.9	F8 J	13B	10522	J -2611555
38		9.0A	44 24.437	-0.0019	18	-21 41 16.57	-0.003	13	0.30	24.468	16	33.9	16.51	16	33.9	A2 J	13A	6846	A -21 4412
39		8.8R	44 27.043	0.0005	18	-26 48 26.45	-0.030	18	0.33	27.035	16	33.9	25.96	16	33.9	K5 J	14	11609	E -2611557
40		8.9R	44 30.095	0.0007	12	-29 11 15.81	0.012	12	0.25	30.084	16	33.9	16.00	16	33.9	K0 J	13B	10523	J -2912845
41		9.0A	44 30.183	-0.0008	13	-22 5 8.25	-0.013	09	0.24	30.197	16	33.9	8.03	16	33.9	B8 J	13A	6847	A -21 4414
42		9.0R	44 31.629	-0.0003	12	-25 14 55.52	-0.006	12	0.25	31.634	16	33.9	55.42	16	33.9	K0 J	14	11610	E -2511676
43		8.6R	44 36.213	-0.0012	12	-29 51 3.25	-0.044	12	0.25	36.232	16	33.9	2.54	16	33.9	G0 J	13B	10524	J -2912847
44		9.2R	44 37.572	0.0016	18	-24 55 27.36	-0.034	18	0.33	37.547	16	33.9	26.81	16	33.9	K2 J	14	11611	E -2412829
45		9.3R	44 39.577	-0.0048	12	-26 5 50.87	-0.122	12	0.25	39.655	16	33.9	48.91	16	33.9	K0 J	14	11612	E -2511680
46		8.1R	44 44.649	-0.0007	15	-23 53 9.33	-0.002	15	0.29	44.660	16	33.9	9.29	16	33.9	B8 J	14	11613	E -2312923
47		7.8R	44 47.276	-0.0005	12	-28 52 8.79	0.006	12	0.25	47.283	16	33.9	8.89	16	33.9	F8 J	13B	10525	J -2812412
48		8.0R	44 49.631	0.0014	12	-28 17 32.25	-0.008	12	0.25	49.609	16	33.9	32.13	16	33.9	F0 J	13B	10526	J -2812413
49		9.5R	44 59.953	0.0006	20	-24 37 44.69	0.003	20	0.35	59.945	16	33.9	44.73	16	33.9	A2 J	14	11614	E -2412833
50		9.0R	45 8.968	0.0015	18	-22 25 51.89	0.009	18	0.33	8.944	16	33.9	52.03	16	33.9	K0 J	14	11617	E -2211645
51		9.2R	16 45 11.139	0.0013	12	-25 59 2.30	0.006	12	0.25	11.117	16	33.9	2.39	16	33.9	F5 J	14	11615	E -2511685
52		7.5T	45 11.200	-0.0004	05	-24 26 19.65	-0.005	05	0.26	11.219	10	05.3	19.39	10	01.7	K5	GC	22598K	C*-2412834
53		8.7Q	45 14.709	-0.0024	20	-20 51 34.91	-0.101	16	0.79	14.807	21	08.6	30.36	19	04.8	F8	GC	22601	-20 4561
54		8.6A	45 15.344	-0.0011	17	-21 19 38.85	-0.015	12	0.28	15.361	16	33.9	38.62	16	33.9	K5 J	13A	6852	A -21 4418
55		9.1R	45 15.745	0.0008	18	-24 51 48.24	0.018	18	0.33	15.731	16	33.9	48.52	16	33.9	K2 J	14	11618	E -2412836
56		8.8R	45 24.183	-0.0002	20	-28 20 6.51	0.016	20	0.35	24.185	16	33.9	6.77	16	33.9	K0 J	13B	10533	J -2812426
57		8.5A	45 36.958	-0.0013	20	-21 51 14.13	-0.020	15	0.32	36.980	16	33.9	13.80	16	33.9	A0 J	13A	6854	A -21 4420
58		8.5R	45 36.968	-0.0003	12	-29 53 26.29	-0.002	12	0.25	36.973	16	33.9	26.26	16	33.9	K5 J	13B	10536	J -2912866
59		8.7R	45 39.324	-0.0006	20	-29 4 7.05	-0.013	20	0.35	39.334	16	33.9	6.84	16	33.9	A2 J	13B	10537	J -2812431
60		9.5R	45 41.040	0.0005	15	-22 29 45.22	0.017	15	0.29	41.032	16	33.9	45.48	16	33.9	G5 M	14	11619	E -2211652
61		9.0R	45 45.820	-0.0018	20	-28 21 3.92	-0.020	20	0.35	45.849	16	33.9	3.60	16	33.9	K0 J	13B	10538	J -2812435
62		8.6R	45 49.370	0.0006	15	-25 25 16.07	-0.003	15	0.29	49.359	16	33.9	16.02	16	33.9	A2 J	14	11620	E -2511695
63		8.4R	45 53.707	-0.0005	20	-29 51 32.99	-0.033	20	0.35	53.716	16	33.9	32.46	16	33.9	F5 J	13B	10540	J -2912874
64		8.8R	45 56.095	0.0001	15	-24 53 48.05	0.004	15	0.29	56.093	16	33.9	48.12	16	33.9	K0 J	14	11621	E -2412843
65		8.5R	46 1.243	-0.0020	20	-27 29 5.29	0.004	20	0.35	1.275	16	33.9	5.35	16	33.9	G0 J	13B	10543	J -2711180
66		8.3A	46 4.027	-0.0006	18	-20 22 9.53	0.002	13	0.30	4.036	16	33.9	9.56	16	33.9	K5 J	13A	6858	A -20 4563
67		9.5R	46 5.143	0.0013	20	-24 49 9.96	0.044	20	0.35	5.122	16	33.9	10.67	16	33.9	A0 J	14	11622	E -2412847
68		9.0R	46 6.800	0.0002	20	-28 37 25.13	-0.012	20	0.35	6.796	16	33.9	24.94	16	33.9	A3 J	13B	10546	J -2812441
69		8.2R	46 6.836	-0.0010	12	-29 2 8.54	-0.017	12	0.25	6.852	16	33.9	8.27	16	33.9	A2 J	13B	10545	J -2812442
70		9.4R	46 11.158	-0.0013	20	-26 45 33.42	-0.017	20	0.35	11.178	16	33.9	33.15	16	33.9	K0 J	14	11623	E -2611578
71		8.4R	46 11.931	-0.0000	18	-22 37 29.45	-0.018	18	0.33	11.932	16	33.9	29.16	16	33.9	F2 J	14	11626	E -2211659
72		9.2R	46 14.775	-0.0006	12	-25 9 28.40	-0.005	12	0.25	14.784	16	33.9	28.32	16	33.9	A2 J	14	11624	E -2511699
73		9.3R	46 15.283	-0.0033	20	-27 29 12.51	-0.011	20	0.35	15.335	16	33.9	12.34	16	33.9	G0 J	13B	10548	J -2711186
74		8.8R	46 15.331	-0.0013	15	-25 28 17.86	0.003	15	0.29	15.351	16	33.9	17.91	16	33.9	F5 J	14	11625	E -2511700
75		9.3R	46 21.999	0.0001	15	-24 39 5.89	-0.006	20	0.32	21.997	16	33.9	5.79	16	33.9	K0 M	14	11627	E -2412851
76		9.1R	46 23.207	0.0024	18	-22 39 38.19	0.031	18	0.33	23.168	16	33.9	38.69	16	33.9	K0 J	14	11628	E -2211661
77		9.1R	46 31.234	-0.0020	20	-27 57 0.90	-0.003	20	0.35	31.265	16	33.9	0.85	16	33.9	K2 J	13B	10551	J -2711190
78		8.0R	46 31.623	0.0024	15	-24 59 9.86	-0.012	15	0.29	31.584	16	33.9	9.66	16	33.9	K0 J	14	11629	E -2412853
79		8.9R	46 31.793	0.0001	12	-24 34 24.32	-0.044	12	0.25	31.791	16	33.9	23.61	16	33.9	F5 J	14	11630	E -2412854
80		9.7R	46 32.821	0.0043	20	-24 36 7.54	0.009	20	0.35	32.752	16	33.9	7.69	16	33.9		14	11631	E -2412855
81		7.6H	46 35.850	-0.0007	02	-21 45 58.42	-0.019	03	0.09	35.872	04	19.4	57.82	04	18.6	M0	F4	1437	-21 4422
82		8.5R	46 40.846	-0.0024	20	-26 52 50.02	0.008	20	0.35	40.885	16	33.9	50.15	16	33.9	A0 J	14	11632	E -2611581
83		7.0T	46 41.565	-0.0002	04	-24 33 16.27	-0.016	04	0.22	41.574	06	01.8	15.49	07	01.9	A2	GC	22632	C*-2412857
84		9.3R	46 46.105	-0.0038	22	-24 13 38.78	-0.013	22	0.39	46.165	16	33.9	38.57	16	33.9	F0 J	14	11634	E -2412858
85		9.6R	46 49.046	-0.0026	18	-23 9 17.98	0.002	18	0.33	49.087	16	33.9	18.01	16	33.9	F2 J	14	11635	E -2312929
86		9.2R	46 51.542	-0.0196	18	-24 21 35.72	-0.116	18	0.33	51.856	16	33.9	33.85	16	33.9	K5 J	14	11636	E -2412859
87		8.3R	46 58.185	0.0005	18	-23 21 46.41	0.024	18	0.33	58.177	16	33.9	46.79	16	33.9	K0 J	14	11637	E -2312931
88		9.0A	47 3.166	-0.0013	12	-21 52 42.44	-0.031	09	0.23	3.187	16	33.9	41.93	16	33.9	K2 J	13A	6868	A -21 4423
89		7.4R	47 4.977	-0.0004	20	-26 39 24.88	-0.038	20	0.35	4.984	16	33.9	24.27	16	33.9	A0 J	14	11638	E -2611585
90		8.8R	47 9.359	0.0013	18	-23 49 34.90	-0.019	18	0.33	9.339	16	33.9	34.59	16	33.9	A2 J	14	11639	E -2312933
91		8.9R	47 18.212	-0.0008	17	-29 29 40.37	-0.021	17	0.31	18.225	16	33.9	40.03	16	33.9	F5 J	13B	10557	J -2912903
92		9.4R	47 22.239	0.0015	18	-22 33 9.48	0.017	18	0.33	22.215	16	33.9	9.75	16	33.9	K0 M	14	11640	E -2211670
93		9.5R	47 24.159	0.0015	18	-22 58 39.25	-0.021	18	0.33	24.135	16	33.9	38.91	16	33.9	K0 M	14	11642	E -2211671
94		8.6R	47 25.645	-0.0003	18	-24 25 52.10	-0.008	18	0.33	25.649	16	33.9	51.97	16	33.9	A0 J	14	11641	E -2412862
95		8.7R	47 35.917	-0.0022	15	-26 32 19.32	-0.003	15	0.29	35.953	16	33.9	19.27	16	33.9	A0 J	14	11643	E -2611596
96		9.1R	47 35.926	-0.0051	18	-23 56 40.23	-0.084	18	0.33	36.009	16	33.9	38.87	16	33.9	G5 J	14	11645	E -2312934
97		9.3R	47 37.063	-0.0004	20	-27 15 33.98	-0.020	20	0.35	37.070	16	33.9	33.66	16	33.9	K2 J	13B	10562	J -2711203
98		8.7R	47 37.548	-0.0013	15	-26 0 12.44	-0.031	15	0.29	37.569	16	33.9	11.94	16	33.9	G5 J	14	11644	E -2511718
99		8.8R	47 39.182	-0.0005	20	-27 49 1.45	-0.012	20	0.35	39.190	16	33.9	1.26	16	33.9	F5 J	13B	10563	J -2711204
00		8.2R	47 39.440	-0.0016	12	-25 20 34.54	-0.014	12	0.25	39.465	16	33.9	34.32	16	33.9	K5 J	14	11646	E -2511721

184700

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.		SOURCE CAT.	STAR NUMBER	DM NUMBER
1		9.3R	16 47 39.615	0.0011	20	-29 8 50.04	-0.001	20	0.35	39.597	16	33.9	50.02	16	33.9	G5	J	13B	10561	J -2912909
2		8.8R	47 44.747	-0.0009	15	-25 53 39.22	0.014	15	0.29	44.761	16	33.9	39.45	16	33.9	K0	J	14	11647	E -2511723
3		9.0R	47 48.965	-0.0008	20	-26 12 27.92	-0.002	20	0.35	48.978	16	33.9	27.89	16	33.9	K5	M	14	11648	E -2611599
4		8.9A	47 53.181	-0.0031	13	-22 7 16.15	-0.014	09	0.24	53.230	16	33.9	15.92	16	33.9	G0	J	13A	6870	A -21 4426
5		8.3R	47 58.010	-0.0013	20	-27 53 44.80	-0.033	20	0.35	58.030	16	33.9	44.27	16	33.9	K0	J	13B	10567	J -2711207
6		8.6R	48 0.303	0.0018	20	-28 56 20.01	-0.011	20	0.35	0.274	16	33.9	19.83	16	33.9	A0	J	13B	10568	J -2812479
7		9.2A	48 9.515	-0.0024	20	-22 3 31.89	-0.013	15	0.32	9.554	16	33.9	31.67	16	33.9	K7	J	13A	6873	A -21 4427
8		8.0R	48 9.961	0.0001	20	-29 59 47.08	0.009	20	0.35	9.960	16	33.9	47.22	16	33.9	A0	J	13B	10569	J -2912920
9		9.3R	48 10.008	0.0027	18	-25 11 27.41	-0.008	18	0.33	9.964	16	33.9	27.28	16	33.9	K0	M	14	11649	E -2511728
10		8.0A	48 10.126	0.0008	18	-20 32 34.68	-0.028	13	0.30	10.113	16	33.9	34.23	16	33.9	K5	J	13A	6874	A -20 4568
11		9.3R	48 11.376	0.0022	20	-27 52 34.74	-0.017	20	0.35	11.341	16	33.9	34.47	16	33.9	A0	J	13B	10571	J -2711209
12		8.9R	48 12.755	0.0035	12	-29 7 34.76	-0.003	12	0.25	12.699	16	33.9	34.71	16	33.9	K5	J	13B	10570	J -2812484
13		9.1R	48 13.211	-0.0020	15	-26 41 34.56	0.007	15	0.29	13.243	16	33.9	34.67	16	33.9	K0	J	14	11650	E -2611610
14		8.4R	48 17.176	0.0018	20	-27 56 15.90	0.026	20	0.35	17.147	16	33.9	16.32	16	33.9	F2	J	13B	10572	J -2711211
15		7.5T	48 18.200	0.0020	09	-24 44 59.31	0.012	09	0.55	18.081	15	91.1	+ 0.02	15	89.8	F5		GC	22573	C -2412676
16		8.0R	48 23.832	-0.0010	12	-29 19 33.31	0.015	12	0.25	23.848	16	33.9	33.55	16	33.9	G0	J	13B	10574	J -2912927
17		8.5A	48 31.605	-0.0006	20	-21 34 16.12	-0.014	15	0.32	31.615	16	33.9	15.89	16	33.9	K0	J	13A	6876	A -21 4428
18		9.7R	48 32.967	0.0039	22	-27 32 11.95	-0.028	22	0.39	32.904	16	33.9	11.50	16	33.9	A	M	13B	10577	J -2711217
19		8.8R	48 34.644	-0.0028	20	-26 17 20.97	0.059	20	0.35	34.689	16	33.9	21.92	16	33.9	K0	M	14	11653	E -2611616
20		9.2R	48 42.156	-0.0008	20	-28 18 48.16	0.034	20	0.35	42.168	16	33.9	48.71	16	33.9	G5	J	13B	10580	J -2812497
21		9.2R	48 42.433	-0.0066	21	-23 49 8.16	-0.018	21	0.37	42.539	16	33.9	7.87	16	33.9	K0	M	14	11656	E -2312936
22		9.4R	48 42.590	-0.0003	18	-24 36 56.75	-0.031	18	0.33	42.595	16	33.9	56.25	16	33.9	G0	J	14	11655	E -2412884
23		9.1R	48 44.951	0.0017	20	-28 18 48.65	0.031	20	0.35	44.923	16	33.9	49.15	16	33.9	G5	J	13B	10581	J -2812497
24		7.8R	48 45.556	0.0014	15	-26 47 24.61	-0.035	15	0.29	45.533	16	33.9	24.06	16	33.9	F0	J	14	11654	E -2611618
25		8.4R	48 46.608	-0.0006	15	-25 27 5.74	-0.005	15	0.29	46.618	16	33.9	5.66	16	33.9	F2	J	14	11657	E -2511737
26		9.6R	48 52.553	-0.0022	17	-22 19 0.00	-0.000	17	0.31	52.588	16	33.9	-59.99	16	33.9	K0	M	14	11658	E -2211685
27		9.4R	48 57.035	0.0028	18	-22 41 23.39	-0.016	18	0.33	56.990	16	33.9	23.65	16	33.9	K0	M	14	11659	E -2211686
28		9.1A	48 57.819	0.0003	20	-21 14 50.52	-0.026	15	0.32	57.814	16	33.9	50.11	16	33.9	A5	J	13A	6877	A -21 4430
29		8.7A	48 58.650	-0.0015	18	-20 48 48.85	-0.025	13	0.30	58.674	16	33.9	48.54	16	33.9	K0	J	13A	6878	A -20 4569
30		8.0R	49 1.530	0.0011	18	-22 49 33.32	-0.033	18	0.33	1.522	16	33.9	32.79	16	33.9	F0	J	14	11660	E -2211687
31		8.8R	49 1.906	-0.0000	18	-22 14 3.21	-0.008	18	0.33	1.906	16	33.9	3.07	16	33.9	K0	J	14	11662	E -2211688
32		8.5R	49 7.256	-0.0003	18	-26 50 11.09	-0.039	18	0.33	7.261	16	33.9	10.47	16	33.8	F0	J	14	11661	E -2611626
33		9.1R	49 11.552	-0.0007	15	-26 5 19.74	-0.002	15	0.29	11.563	16	33.9	19.71	16	33.9	G5	M	14	11664	E -2511742
34		8.4R	49 11.680	-0.0061	20	-26 55 58.70	-0.036	20	0.35	11.779	16	33.9	58.12	16	33.9	M0	M	14	11663	E -2611627
35		6.9T	49 11.694	-0.0001	05	-25 31 3.28	-0.012	05	0.26	11.698	10	05.6	2.73	10	03.4	A0		GC	22595K	C -2511743
36		9.0R	49 12.699	-0.0008	18	-23 55 19.67	0.073	18	0.33	12.711	16	33.9	20.84	16	33.9	K2	J	14	11666	E -2312943
37		8.9R	49 19.069	-0.0047	20	-28 39 16.41	0.073	20	0.35	19.145	16	33.9	17.58	16	33.9	K5	M	13B	10588	J -2812513
38		9.5R	49 22.234	0.0030	18	-24 37 10.58	0.007	18	0.33	22.185	16	33.9	10.69	16	33.9	G	M	14	11667	E -2412897
39		9.1R	49 24.335	-0.0005	20	-27 18 59.57	0.060	20	0.35	24.343	16	33.9	+ 0.53	16	33.9	K	M	13B	10589	J -2711229
40		8.8R	49 37.217	-0.0006	18	-22 37 56.99	-0.006	18	0.33	37.227	16	33.9	56.89	16	33.9	K5	J	14	11669	E*-2312692
41		9.4R	49 49.732	-0.0006	18	-23 13 28.78	-0.045	18	0.33	49.742	16	33.9	28.06	16	33.9	G0	J	14	11672	E -2312952
42		8.1R	49 50.102	0.0000	12	-26 40 6.52	-0.027	12	0.25	50.102	16	33.9	6.09	16	33.9	K0	J	14	11670	E -2611634
43		8.8R	49 50.648	-0.0024	15	-25 15 45.13	0.015	15	0.29	50.686	16	33.9	45.37	16	33.9	K0	J	14	11671	E -2511754
44		8.4R	49 52.747	-0.0006	12	-28 9 48.28	0.046	12	0.25	52.756	16	33.9	49.02	16	33.9	G5	J	13B	10595	J -2812525
45		9.0R	49 54.871	-0.0010	18	-24 5 52.98	-0.041	18	0.33	54.887	16	33.9	52.32	16	33.9	F5	J	14	11673	E -2312953
46		8.8A	49 59.166	0.0009	18	-20 6 2.59	0.010	13	0.30	59.150	16	33.9	2.75	16	33.9	A2	J	13A	6885	A -19 4455
47		9.5R	49 59.975	-0.0019	15	-24 5 16.52	-0.017	15	0.29	+ 0.005	16	33.9	16.24	16	33.9	K0	M	14	11674	E -2312954
48		8.5R	50 4.454	0.0013	12	-29 53 58.63	0.029	12	0.25	4.432	16	33.9	59.09	16	33.9	K0	J	13B	10597	J -2912956
49		8.1R	50 4.581	0.0008	17	-28 21 57.32	0.032	17	0.31	4.567	16	33.9	57.84	16	33.9	K0	J	13B	10598	J -2812530
50		8.6R	50 4.705	0.0017	15	-25 11 12.23	-0.007	15	0.29	4.678	16	33.9	12.12	16	33.9	F2	J	14	11675	E -2511758
51		9.0A	16 50 16.032	-0.0022	18	-21 35 35.11	-0.012	13	0.30	16.068	16	33.9	34.91	16	33.9	M2	J	13A	6886	A -21 4438
52		9.3R	50 21.028	-0.0077	20	-27 59 22.69	0.011	20	0.35	21.151	16	33.9	22.87	16	33.9	G5	J	13B	10602K	J -2711242
53		9.6R	50 27.822	0.0016	18	-23 4 57.36	0.009	18	0.33	27.797	16	33.9	57.50	16	33.9	G0	M	14	11677	E -2211694
54		5.9T	50 27.851	-0.0036	04	-20 20 1.06	-0.031	04	0.22	28.020	07	02.6	-59.53	09	00.7	G5		GC	22731	B*-20 4572
55		9.1R	50 29.389	0.0025	18	-24 20 19.87	-0.034	18	0.33	29.350	16	33.9	19.32	16	33.9	K0	J	14	11676	E -2412910
56		9.3R	50 29.659	0.0003	20	-28 19 19.93	0.022	20	0.35	29.654	16	33.9	20.28	16	33.9	B5	J	13B	10604	J -2812539
57		9.4R	50 31.145	0.0014	18	-25 2 16.27	0.002	18	0.33	31.123	16	33.9	16.30	16	33.9	A0	J	14	11678	E -2412909
58		9.1R	50 32.851	0.0008	15	-25 38 16.81	-0.024	15	0.29	32.838	16	33.9	16.42	16	33.9	K0	J	14	11679	E -2511762
59		8.4R	50 36.567	0.0014	20	-29 17 31.26	-0.069	20	0.35	36.545	16	33.9	30.15	16	33.9	K0	J	13B	10605	J -2912968
60		8.3R	50 48.881	0.0004	20	-28 52 16.21	0.029	20	0.35	48.874	16	33.9	16.68	16	33.9	A0	J	13B	10606	J -2812548
61		8.7R	50 49.959	-0.0032	20	-27 31 32.61	-0.003	20	0.35	50.009	16	33.9	32.56	16	33.9	F5	J	13B	10609	J -2711248
62		8.4R	50 54.064	0.0010	18	-24 59 18.23	-0.018	18	0.33	54.048	16	33.9	17.94	16	33.9	B8	J	14	11680	E -2412916
63		9.4R	50 54.574	0.0001	15	-22 13 55.74	-0.006	15	0.29	54.573	16	33.9	55.65	16	33.9	M0	J	14	11681	E -2211698
64		9.3R	50 59.061	-0.0021	20	-24 3 54.32	-0.029	20	0.35	59.094	16	33.9	53.85	16	33.9	K0	M	14	11682	E -2312964
65		8.0R	51 0.046	0.0011	12	-29 18 24.77	0.015	12	0.25	0.028	16	33.9	25.01	16	33.9	K0	J	13B	10610	J -2912980
66		9.2R	51 3.836	0.0028	18	-25 2 27.27	-0.025	18	0.33	3.791	16	33.9	26.87	16	33.9	K0	J	14	11683	E -2412922
67		9.3R	51 6.895	-0.0013	20	-26 44 38.38	0.011	20	0.35	6.915	16	33.9	38.56	16	33.9	G0	J	14	11684	E -2611655
68		9.0R	51 6.988	0.0009	20	-28 2 1.95	-0.062	20	0.35	6.973	16	33.9	1.11	16	33.9	G0	J	13B	10612	J -2711255
69		9.1R	51 7.363	-0.0008	18	-24 23 47.88	-0.007	18	0.33	7.376	16	33.9	47.76	16	33.9	A3	J	14	11686	E -2412924
70		9.0R	51 7.678	-0.0021	20	-26 39 35.39	-0.026	20	0.35	7.712	16	33.9	34.97	16	33.9	F0	M	14	11685	E -2611656
71		9.1R	51 10.974	-0.0035	20	-28 3 39.21	-0.004	20	0.35	11.030	16	33.9	39.15	16	33.9	K	M	13B	10614	J -2711256
72		9.0A	51 12.536	-0.0009	18	-21 12 19.27	-0.041	13	0.30	12.549	16	33.9	18.62	16	33.9	K0	J	13A	6893	A -21 4441
73		9.3R	51 13.741	0.0006	12	-26 13 6.09	-0.013	12	0.25	13.731	16	33.9	5.88	16	33.9	G5	J	14	11687	E -2611660
74		9.4R	51 16.019	0.0012	15	-23 54 20.64	0.025	15	0.29	16.000	16	33.9	21.03	16	33.9	F8	J	14	11689	E -2312966
75		7.1T	51 16.195	-0.0059	08	-25 44 54.89	-0.050	08	0.42	16.497	10	98.8	52.27	12	97.5	F8		GC	22758	C -2511770
76		9.3R	51 17.983	0.0020	12	-29 0 12.14	0.035	12	0.25	17.951	16	33.9	12.70	16	33.9	F8	J	13B	10617	J -2812557
77		8.3R	51 19.877	-0.0009	20	-27 29 18.61	0.009	20	0.35	19.891	16	33.9	18.75	16	33.9	A0	J	13B	10620K	J -2711258
78		8.8R	51 22.143	0.0004	17	-28 28 54.27	0.030	17	0.31	22.135	16	33.9	54.75	16	33.9	K0	J	13B	10621	J -2812562
79		8.3R	51 27.674	-0.0020	15	-25 43 58.63	-0.046	15	0.29	27.706	16	33.9	57.89	16	33.9	A2	J	14	11690	E -2511773
80		9.3R	51 33.087	0.0010	20	-29 14 50.99	-0.082	20	0.35	33.071	16	33.9	49.67	16	33.9	F8	J	13B	10624	J -2912985
81		9.3R	51 35.962	-0.0016	15	-25 8 58.35	-0.007	15	0.29	35.987	16	33.9	58.24	16	33.9	F5	J	14	11691	E -2511776
82		8.2A	51 38.953	-0.0009	17	-21 47 58.06	-0.012	13	0.29	38.968	16	33.9	57.86	16	33.9	B5	J	13A	6895	A -21 4443
83		7.7R	51 42.206	-0.0006	20	-27 40 6.67	0.032	20	0.35	42.215	16	33.9	7.19	16	33.9	G5	J	13B	10625	J -2711262
84		7.6R	51 44.443	-0.0061	15	-26 19 59.32	-0.013	15	0.29	44.541	16	33.9	59.11	16	33.9	F0	J	14	11692	E -2611663
85		8.9R	51 44.586	0.0006	18	-22 45 58.14	0.000	18	0.33	44.578	16	33.9	58.14	16	33.9	K5	J	14	11693	E -2211704
86		7.0T	51 49.250	-0.0011	04	-23 25 55.27	-0.031	05	0.24	49.304	09	00.7	53.81	09	02.9	K0		GC	22778	C*-2312968
87		7.9T	51 50.373	0.0001	13	-29 46 23.14	-0.033	10	0.63	50.367	17	99.8	21.32	18	95.4	A0		GC	22779	C -2912993
88		9.4R	51 52.590	-0.0059	17	-26 51 15.44	-0.017	17	0.31	52.685	16	33.9	15.17	16	33.9	K0	M	14	11694	E -2611664
89		7.9R	51 53.453	-0.0003	17	-29 13 32.04	0.006	17	0.31	53.458	16	33.9	32.14	16	33.9	G5	J	13B	10630	J -2912995
90		8.5A	51 53.843	-0.0002	17	-20 42 50.70	0.000	13	0.29	53.846	16	33.9	50.71	16	33.9	K0	J	13A	6897	A -20 4579
91		8.1R	51 54.366	-0.0021	18	-24 25 42.43	-0.014	18	0.33	54.400	16	33.9	42.20	16	33.9	F5	J	14	11696K	E -2412935
92		9.3R	51 55.250	0.0005	20	-29 5 10.67	-0.002	20	0.35	55.241	16	33.9	10.64	16	33.9	A0	J	13B	10631	J -2812574
93		9.1R	52 0.290	-0.0034	21	-23 10 45.23	-0.011	21	0.37	0.345	16	33.9	45.05	16	33.9	K2	J	14	11697	E -2312971
94		9.1A	52 1.131	0.0003	18	-21 0 6.43	0.016	13	0.30	1.126	16	33.9	6.69	16	33.9	F2	J	13A	6898	A -20 4580
95		9.0R	52 7.022	-0.0001	20	-29 41 47.05	-0.024	20	0.35	7.024	16	33.9	46.66	16	33.9	A3	J	13B	10633	J -2912998
96		8.7A	52 7.213	-0.0000	00	-21 53 24.55	-0.015	15	0.23	7.214	16	33.9	24.30	16	33.9	M4	J	13A	6899	A -21 4445
97		9.2R	52 8.896	0.0013	20	-28 58 24.45	-0.035	20	0.35	8.875	16	33.9	23.89	16	33.9	K0	J	13B	10634	J -2812584
98		7.5R	52 22.738	-0.0012	17	-29 11 50.50	0.018	17	0.31	22.757	16	33.9	50.79	16	33.9	K0	J	13B	10638	J -2913005
99		8.9A	52 23.965	-0.0003	20	-21 35 53.61	-0.045	15	0.32	23.969	16	33.9	52.88	16	33.9	K0	J	13A	6901	A -21 4446
00		8.9R	52 26.487	-0.0027	12	-28 15 2.66	0.014	12	0.25	26.529	16	33.9	2.89	16	33.9	K0	J	13B	10639	J -2812588

-20° 16H

184800

EPOCH 1950 — ORIGINAL EPOCH — SOURCE — -20° 16H

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	σ_μ ″.001	σ_{1950} ″	α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	CAT.	STAR NUMBER	DM NUMBER
1		9.4R	16 52 26.603	0.0026	18	-22 57 25.75	-0.024	18	0.33	26.562	16	33.9	25.37	16	33.9	K5 J	14	11700	E -2211712
2		9.3R	52 28.048	-0.0007	18	-24 21 58.58	-0.021	18	0.33	28.059	16	33.9	58.24	16	33.9	G0 M	14	11698	E -2412943
3		9.3R	52 28.295	0.0059	20	-28 14 2.46	0.019	20	0.35	28.200	16	33.9	2.77	16	33.9	K2 J	13B	10640	J -2812590
4		6.8T	52 33.478	-0.0011	15	-21 29 25.79	-0.017	11	0.64	33.529	10	02.2	24.97	12	00.8	B8	GC	22796K	B*-21 4449
5		7.4T	52 40.048	0.0003	10	-25 27 16.88	0.008	09	0.57	40.033	18	96.1	17.31	18	94.1	B8	GC	22800	C -2511789
6		8.7R	52 40.857	0.0001	12	-26 41 6.94	-0.033	12	0.25	40.856	16	33.9	6.41	16	33.9	K0 J	14	11701	E -2611678
7		8.4A	52 42.772	0.0002	18	-20 1 25.25	-0.018	13	0.30	42.769	16	33.9	24.96	16	33.9	K5 J	13A	6905	A -19 4466
8		8.5R	52 43.559	-0.0034	20	-28 55 30.82	-0.037	20	0.35	43.614	16	33.9	30.23	16	33.9	A2 J	13B	10643	J -2812597
9		9.0R	52 43.608	-0.0040	20	-27 4 54.45	0.002	20	0.35	43.673	16	33.9	54.48	16	33.9	A2 J	14	11703	E -2611679
10		8.9R	52 46.466	0.0003	18	-23 56 43.82	-0.004	18	0.33	46.462	16	33.9	43.75	16	33.9	F0 J	14	11704	E -2312977
11		8.7R	53 4.423	-0.0007	15	-25 55 33.29	0.005	15	0.29	4.434	16	33.9	33.37	16	33.9	F2 J	14	11715	E -2511794
12		9.0R	53 6.451	0.0000	20	-27 41 49.90	0.002	20	0.35	6.451	16	33.9	49.94	16	33.9		13B	10649	J -2711284
13		9.0R	53 6.588	-0.0019	20	-27 42 14.13	0.021	20	0.35	6.618	16	33.9	14.47	16	33.9	A2 J	13B	10650	J -2711285
14		8.5R	53 8.075	0.0019	20	-28 1 15.96	-0.027	20	0.35	8.044	16	33.9	15.53	16	33.9	F8 J	13B	10651	J -2711286
15		9.4R	53 10.335	-0.0065	20	-26 4 12.32	0.049	20	0.35	10.439	16	33.9	13.11	16	33.9	G5 M	14	11706	E -2511795
16		9.3R	53 11.014	0.0024	17	-29 13 56.89	-0.002	17	0.31	10.975	16	33.9	56.86	16	33.9	A0 J	13B	10652	J -2913025
17		9.4R	53 19.949	-0.0031	15	-25 50 8.12	-0.003	15	0.29	19.999	16	33.9	8.07	16	33.9	K0 M	14	11707	E -2511799
18		9.4R	53 20.534	0.0036	18	-22 36 44.81	0.023	18	0.33	20.475	16	33.9	45.18	16	33.9	K0 M	14	11708	E -2211726
19		9.2R	53 40.528	-0.0030	18	-22 35 47.98	-0.031	18	0.33	40.576	16	33.9	47.48	16	33.9	G5 M	14	11709	E -2211733
20		8.8R	53 45.367	-0.0014	20	-27 26 23.82	0.032	20	0.35	45.389	16	33.9	24.34	16	33.9	G0 J	13B	10657	J -2711295
21		8.4A	53 45.912	0.0002	20	-21 43 8.57	-0.000	15	0.32	45.909	16	33.9	8.56	16	33.9	K2 J	13A	6908	A -21 4458
22		5.6T	53 46.853	-0.0003	04	-23 4 21.21	-0.001	04	0.21	46.867	05	99.9	21.16	06	99.9	A0	GC	22824K	B*-22 4249
23		9.6R	53 47.632	-0.0003	18	-23 59 59.19	-0.004	00	0.26	47.636	16	33.9	59.12	16	33.9	A2 M	14	11710	E*-2312989
24		9.3R	53 48.279	-0.0035	20	-28 19 0.80	0.022	20	0.35	48.335	16	33.9	1.15	16	33.9	G5 M	13B	10658	J -2812623
25		8.6R	53 51.632	-0.0020	20	-26 52 27.03	-0.010	20	0.35	51.667	16	33.9	26.87	16	33.9	A0 J	14	11711	E -2611696
26		9.5R	53 55.086	-0.0005	21	-23 29 54.77	-0.005	00	0.29	55.095	16	33.9	54.69	16	33.9	A J	14	11713	E*-2312992
27		8.7R	53 59.332	-0.0002	18	-22 29 58.06	-0.020	18	0.33	59.336	16	33.9	57.73	16	33.9	K5 J	14	11714	E -2211738
28		9.0R	54 7.007	-0.0045	20	-27 51 43.24	-0.005	20	0.35	7.078	16	33.9	43.16	16	33.9	F8 J	13B	10662	J -2711299
29		9.1R	54 20.173	-0.0009	20	-27 19 45.07	0.006	20	0.35	20.187	16	33.9	45.17	16	33.9	F8 J	13B	10663	J -2711305
30		8.6R	54 21.447	-0.0005	20	-26 36 24.49	0.000	20	0.35	21.455	16	33.9	24.49	16	33.9	K2 J	14	11715	E -2611706
31		9.4R	54 29.748	0.0005	18	-22 33 59.94	-0.059	18	0.33	29.740	16	33.9	58.99	16	33.9	G0 J	14	11716	E -2211742
32		8.5R	54 32.366	0.0013	18	-24 27 33.11	-0.004	00	0.26	32.345	16	33.9	33.04	16	33.9	A3 J	14	11717	E -2412969
33		8.7R	54 34.143	0.0005	15	-23 14 30.51	0.004	15	0.29	34.135	16	33.9	30.58	16	33.9	M0 M	14	11718	E -2312996
34		9.0R	54 35.336	0.0012	20	-29 31 44.30	-0.037	20	0.35	35.318	16	33.9	43.70	16	33.9	A0 J	13B	10664	J -2913046
35		8.8R	54 40.832	0.0005	18	-24 57 10.79	-0.016	18	0.33	40.823	16	33.9	10.54	16	33.9	K0 J	14	11719	E -2412970
36		8.8A	54 42.645	-0.0004	17	-21 41 54.47	-0.048	13	0.29	42.652	16	33.9	53.69	16	33.9	F2 J	13A	6912	A -21 4462
37		9.0R	54 44.407	0.0025	20	-28 37 46.64	0.017	20	0.35	44.367	16	33.9	46.91	16	33.9	G5 J	13B	10665	J -2812643
38		7.5R	54 46.665	-0.0014	20	-27 32 2.84	-0.006	20	0.35	46.688	16	33.9	2.75	16	33.9	A0 J	13B	10667	J -2711312
39		8.6R	54 48.602	-0.0012	18	-24 50 29.60	-0.077	18	0.33	48.621	16	33.9	28.37	16	33.9	G5 J	14	11720	E -2412971
40		9.3R	54 52.495	-0.0011	20	-26 19 58.68	0.014	20	0.35	52.513	16	33.9	58.90	16	33.9	A5 J	14	11721	E -2611719
41		9.0R	54 54.903	0.0030	20	-29 51 7.38	0.029	20	0.35	54.855	16	33.9	7.85	16	33.9		13B	10668	J -2913051
42		8.5R	54 55.629	0.0009	17	-29 46 57.40	-0.055	17	0.31	55.615	16	33.9	56.52	16	33.9	A3 J	13B	10670	J -2913052
43		8.7A	54 55.971	0.0001	18	-21 8 2.04	0.004	13	0.30	55.970	16	33.9	2.11	16	33.9	G5 J	13A	6914	A -20 4590
44		9.6R	54 56.119	0.0004	18	-22 11 45.33	-0.001	18	0.33	56.114	16	34.0	45.30	16	34.0	G5 M	14	11722	E -2211749
45		8.8A	54 59.162	-0.0005	20	-21 18 36.64	0.004	15	0.32	59.170	16	33.9	36.71	16	33.9	K5 J	13A	6916	A -21 4463
46		8.9R	54 59.556	-0.0013	21	-23 29 53.97	-0.052	21	0.37	59.578	16	34.0	53.14	16	34.0	F0 J	14	11723	E -2313003
47		8.5A	55 2.842	-0.0015	20	-21 32 34.88	-0.107	15	0.32	2.866	16	33.9	33.15	16	33.9	K0 J	13A	6917	A -21 4465
48		9.0R	55 5.706	0.0005	18	-22 57 8.89	0.004	18	0.33	5.697	16	34.0	8.96	16	34.0	A0 J	14	11724	E -2211751
49		7.4T	55 11.559	0.0017	10	-25 58 59.45	0.002	09	0.56	11.464	17	94.5	59.58	15	91.0	K2	GC	22860	C -2511829
50		9.7R	55 11.902	-0.0008	18	-23 56 0.02	-0.019	18	0.33	11.914	16	34.0	59.71	16	34.0	A0 M	14	11726	E -2313004
51		9.2R	16 55 16.789	-0.0018	15	-27 2 17.16	-0.037	15	0.29	16.818	16	34.0	16.57	16	34.0	K0 J	14	11727	E -2611729
52		8.3R	55 17.759	0.0019	20	-29 19 48.32	-0.007	20	0.35	17.729	16	33.9	48.21	16	33.9	B3 J	13B	10673	J -2913057
53		8.8R	55 17.815	-0.0009	18	-24 19 18.78	-0.037	18	0.33	17.830	16	34.0	18.18	16	34.0	F5 J	14	11728	E -2412978
54		8.8R	55 22.740	0.0018	15	-26 16 48.51	-0.022	12	0.27	22.711	16	34.0	48.16	16	34.0	A0 J	14	11729	E -2611731
55		8.7R	55 24.038	0.0003	15	-27 2 10.60	-0.046	15	0.29	24.033	16	34.0	9.86	16	34.0	F2 J	14	11730	E -2611732
56		8.5R	55 24.310	-0.0003	12	-28 44 40.95	-0.017	12	0.25	24.315	16	33.9	40.68	16	33.9	G5 J	13B	10676	J -2812655
57		9.4R	55 26.801	0.0013	18	-23 36 54.82	0.018	18	0.33	26.779	16	34.0	55.10	16	34.0	G0 M	14	11732	E -2313009
58		9.1R	55 26.947	0.0009	18	-24 19 54.66	-0.012	18	0.33	26.932	16	34.0	54.46	16	34.0	K5 M	14	11731	E -2412981
59		8.5A	55 29.983	0.0067	20	-20 42 36.62	-0.008	15	0.32	29.876	16	33.9	36.50	16	33.9	F5 J	13A	6920	A -20 4594
60		8.8R	55 33.864	-0.0028	20	-26 56 27.45	-0.031	20	0.35	33.908	16	34.0	26.95	16	34.0	K0 J	14	11733	E -2611736
61		8.5R	55 39.419	0.0004	12	-28 23 22.90	0.016	12	0.25	39.411	16	33.9	23.16	16	33.9	F8 J	13B	10678	J -2812660
62		9.3R	55 43.307	0.0008	18	-23 44 57.59	0.012	18	0.33	43.293	16	34.0	57.78	16	34.0	G5 M	14	11734	E -2313011
63		9.4R	55 44.700	0.0004	20	-27 47 19.02	0.004	20	0.35	44.693	16	33.9	19.09	16	33.9	A0 J	13B	10680	J -2711330
64		8.5R	55 44.741	0.0001	18	-23 54 40.82	-0.038	18	0.33	44.739	16	34.0	40.21	16	34.0	A5 J	14	11735	E -2313012
65		9.1A	55 46.041	-0.0008	15	-21 41 38.82	-0.017	11	0.26	46.055	16	33.9	38.54	16	33.9	M0 J	13A	6923	A -21 4469
66		9.2R	55 46.691	0.0021	20	-29 5 5.42	0.009	20	0.35	46.657	16	33.9	5.56	16	33.9	G5 J	13B	10682	J -2812663
67		8.9A	55 49.392	0.0002	18	-20 3 34.29	0.013	13	0.30	49.388	16	33.9	34.49	16	33.9	K2 J	13A	6924	A -19 4481
68		9.0R	55 49.767	-0.0011	20	-27 8 50.19	-0.001	20	0.35	49.784	16	33.9	50.17	16	33.9	K0 J	13B	10683	J -2711332
69		8.4T	55 50.260	-0.0041	14	-23 40 14.02	-0.114	16	0.70	50.442	18	05.7	8.87	19	05.0	G5	GC	22874	C -2313013
70		8.4R	55 53.749	-0.0024	17	-28 29 15.95	-0.032	17	0.31	53.788	16	33.9	15.44	16	33.9	K0 J	13B	10684	J -2812665
71		9.1R	55 55.159	-0.0023	20	-26 10 46.61	-0.033	20	0.35	55.196	16	34.0	46.08	16	34.0	K0 J	14	11737	E -2611739
72		9.0R	55 59.262	0.0005	18	-24 18 35.14	-0.005	18	0.33	59.254	16	34.0	35.05	16	34.0	A2 J	14	11738	E -2412985
73		9.0R	56 1.409	-0.0000	17	-27 25 57.62	-0.004	17	0.31	1.410	16	33.9	57.55	16	33.9	A0 J	13B	10687	J -2711336
74		8.7R	56 4.756	0.0017	17	-29 44 1.81	0.044	17	0.31	4.729	16	33.9	2.51	16	33.9	K2 J	13B	10686	J -2913077
75		9.6R	56 5.433	-0.0040	18	-23 17 30.10	-0.021	18	0.33	5.496	16	34.0	29.77	16	34.0	G0 M	14	11739	E -2313016
76		8.2R	56 9.454	-0.0036	20	-28 23 8.70	0.029	20	0.35	9.512	16	33.9	9.17	16	33.9	K0 J	13B	10689	J -2812671
77		8.4R	56 13.161	0.0010	15	-27 45 1.09	-0.025	15	0.29	13.145	16	33.9	0.69	16	33.9	K0 J	13B	10690	J -2711337
78		9.5R	56 16.057	-0.0016	18	-25 0 54.54	-0.002	18	0.33	16.082	16	34.0	54.51	16	34.0	A0 J	14	11740	E -2412988
79		9.2R	56 17.116	0.0012	18	-22 35 40.23	0.013	18	0.33	17.097	16	34.0	40.44	16	34.0	K0 M	14	11742	E -2211763
80		8.3R	56 17.419	0.0012	18	-27 6 13.26	-0.004	18	0.33	17.400	16	33.9	13.19	16	33.9	A2 J	13B	10691	J -2611747
81		8.8A	56 17.842	-0.0009	20	-21 25 30.79	-0.017	15	0.32	17.855	16	33.9	30.52	16	33.9	K5 J	13A	6925	A -21 4471
82		8.1R	56 21.848	-0.0001	15	-26 17 55.26	-0.030	12	0.27	21.849	16	34.0	54.78	16	34.0	A0 J	14	11741	E -2611749
83		9.0R	56 23.803	-0.0016	20	-25 37 30.92	-0.043	20	0.35	23.828	16	34.0	30.23	16	34.0	G5 J	14	11743	E -2511843
84		9.3R	56 25.042	0.0024	18	-23 28 35.51	0.003	18	0.33	25.003	16	34.0	35.56	16	34.0	K0 M	14	11744	E -2313021
85		9.2R	56 36.332	-0.0011	M2	-28 54 14.52	0.026	12	0.25	36.349	16	34.0	14.93	16	34.0	A5 J	13B	10694	J -2812680
86		9.6R	56 38.549	-0.0003	18	-24 0 12.72	-0.030	18	0.33	38.554	16	34.0	12.23	16	34.0	G0 M	14	11745	E -2313026
87		9.2A	56 39.633	-0.0031	17	-21 22 45.45	-0.008	15	0.30	39.683	16	33.9	45.33	16	33.9	K5 J	13A	6929	A -21 4474
88		9.1R	56 46.585	0.0011	17	-29 15 40.23	-0.013	17	0.31	46.568	16	34.0	40.02	16	34.0	K0 J	13B	10698	J -2913090
89		9.0R	56 47.742	0.0026	15	-27 34 31.98	-0.013	15	0.29	47.699	16	34.0	31.77	16	34.0	K0 J	13B	10699	J -2711349
90		9.4R	56 47.877	0.0028	18	-25 5 51.53	0.017	18	0.33	47.831	16	34.0	51.80	16	34.0	A0 J	14	11746	E -2412996
91		9.3R	56 51.544	0.0011	20	-27 33 48.77	-0.006	20	0.35	51.527	16	34.0	48.68	16	34.0	K2 J	13B	10700	J -2711351
92		5.9T	56 53.746	-0.0003	03	-25 1 4.79	-0.008	03	0.17	53.759	06	07.1	4.42	07	04.3	M0	GC	22898	C*-2412997
93		9.0R	56 53.825	-0.0003	20	-24 7 44.59	0.019	15	0.32	53.829	16	34.0	44.89	16	34.0	A2 J	14	11748	E -2412998
94		9.3R	56 54.115	-0.0035	20	-24 7 39.12	-0.006	20	0.35	54.171	16	34.0	39.02	16	34.0	A2 J	14	11749	E -2412998
95		9.1A	57 0.527	0.0005	15	-21 1 41.34	-0.005	11	0.26	0.519	16	33.9	41.27	16	33.9	K7 J	13A	6933	A -20 4599
96		8.5R	57 1.114	-0.0003	20	-27 53 41.01	-0.070	20	0.35	1.118	16	34.0	39.89	16	34.0	F0 J	13B	10702	J -2711354
97		5.8T	57 5.497	0.0045	04	-24 54 52.64	-0.059	04	0.21	5.270	07	99.7	49.59	07	98.6	F0	GC	22905	C*-2413002
98		9.0R	57 5.827	-0.0012	20	-24 40 1.91	0.037	20	0.35	5.846	16	34.0	2.50	16	34.0	K2 M	14	11751	E -2413001
99		9.2R	57 12.301	-0.0010	18	-25 15 43.44	0.007	18	0.33	12.316	16	34.0	43.54	16	34.0	A2 J	14	11752	E -2511856
00		9.3R	57 14.836	0.0001	15	-27 45 0.13	-0.006	15	0.29	14.833	16	34.0	0.04	16	34.0	K0 M	13B	10705	J -2711356

184900 — -20° 16H

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	EPOCH 1950 μ s	σ_μ .001"	EPOCH 1950 δ_{1950} ° ′ ″	EPOCH 1950 μ' ″	$\sigma_{\mu'}$ .001"	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ .01"	ep.	δ_2 ″	σ' .01"	ep.	SP.		SOURCE CAT.	SOURCE STAR NUMBER	DM NUMBER
1		7.9R	16 57 19.994	-0.0005	17	-28 33 39.72	-0.003	17	0.31	20.001	16	34.0	39.67	16	34.0	A0	J	13B	10756	J -2812697
2		9.1A	57 21.515	-0.0005	20	-22 3 31.36	-0.040	15	0.32	21.523	16	33.9	30.71	16	33.9	K5	J	13A	6935	A -21 4477
3		9.3R	57 23.013	0.0025	12	-26 57 50.00	-0.010	12	0.25	22.974	16	34.0	49.84	16	34.0	A0	J	14	11753	E -2611775
4		9.1R	57 28.629	-0.0008	18	-23 31 16.21	-0.013	18	0.33	28.641	16	34.0	16.00	16	34.0	F5	J	14	11754	E -2313035
5		8.5R	57 30.645	0.0018	20	-29 11 1.77	-0.036	20	0.35	30.616	16	34.0	1.19	16	34.0	A0	J	13B	10707K	J -2913101
6		7.4T	57 30.658	-0.0021	14	-21 23 14.50	-0.088	17	0.74	30.755	09	03.0	10.36	12	02.8	K0		GC	22917	-21 4478
7		8.3R	57 32.395	0.0086	15	-27 43 9.97	-0.036	15	0.29	32.257	16	34.0	10.55	16	34.0	F5	J	13B	10709	J -2711365
8		9.1R	57 35.824	0.0011	15	-27 20 53.76	-0.059	15	0.29	35.807	16	34.0	52.82	16	34.0	G0	J	13B	10711	J -2711366
9		8.4R	57 36.150	-0.0020	18	-23 26 28.78	-0.035	18	0.33	36.182	16	34.0	28.22	16	34.0	A5	J	14	11755	E -2313039
10		9.2R	57 38.057	-0.0003	20	-23 4 1.05	-0.019	20	0.35	38.061	16	34.0	0.75	16	34.0	F0	J	14	11756	E -2211773
11		8.7R	57 47.989	0.0011	20	-27 9 59.38	-0.024	20	0.35	47.972	16	34.0	58.99	16	34.0	K5	J	13B	10715	J -2711370
12		7.6R	57 50.982	-0.0022	20	-29 35 54.70	-0.053	20	0.35	51.018	16	34.0	53.85	16	34.0	M3	M	13B	10714	J -2913106
13		9.1R	57 51.811	-0.0017	15	-23 5 32.50	0.002	15	0.29	51.838	16	34.0	32.53	16	34.0	K2	M	14	11757	E -2211776
14		7.6T	57 54.337	0.0001	17	-28 26 46.80	-0.033	16	0.79	54.330	19	03.7	47.25	18	03.0	K0		GC	22925	C -2812708
15		9.0R	57 56.736	0.0004	17	-28 52 6.48	0.008	17	0.31	56.730	16	34.0	6.61	16	34.0	K0	M	13B	10718	J -2812710
16		9.1R	57 57.464	0.0003	20	-28 33 14.98	0.008	20	0.35	57.459	16	34.0	15.11	16	34.0	A2	J	13B	10719	J -2812709
17		9.1R	57 58.854	-0.0054	20	-27 22 30.06	-0.014	20	0.35	58.941	16	34.0	29.83	16	34.0	G0	J	13B	10722	J -2711373
18		7.7R	58 2.125	0.0007	20	-29 36 42.71	-0.004	20	0.35	2.114	16	34.0	42.64	16	34.0	G5	J	13B	10721	J -2913111
19		9.4R	58 4.965	0.0008	18	-23 24 35.76	0.000	18	0.33	4.951	16	34.0	35.76	16	34.0	K	M	14	11758	E -2313044
20		9.3R	58 7.895	-0.0009	20	-28 4 1.99	0.018	20	0.35	7.909	16	34.0	2.28	16	34.0	F8	J	13B	10723K	J -2711376
21		7.7R	58 12.238	0.0015	20	-27 10 42.90	-0.043	20	0.35	12.213	16	34.0	42.21	16	34.0	A2	J	13B	10725	J -2711378
22		7.2T	58 17.110	-0.0007	10	-20 21 52.34	-0.028	10	0.52	17.141	12	03.1	50.95	15	00.4	A0		GC	22931	-20 4606
23		8.4R	58 18.335	-0.0017	12	-26 34 17.16	-0.037	12	0.25	18.363	16	34.0	16.56	16	34.0	G0	J	14	11759	E -2611792
24		8.9R	58 18.900	0.0004	17	-25 40 3.83	-0.011	17	0.31	18.893	16	34.0	3.65	16	34.0	K5	J	14	11760	E -2511674
25		9.6R	58 19.815	-0.0061	18	-22 16 56.66	-0.025	18	0.33	19.912	16	34.0	56.25	16	34.0	K2	J	14	11762	E -2211778
26		9.0R	58 20.930	0.0013	20	-27 12 3.45	0.002	20	0.35	20.909	16	34.0	3.48	16	34.0	K5	J	13B	10727	J -2711381
27		8.3R	58 23.240	-0.0003	18	-25 12 55.23	-0.032	18	0.33	23.245	16	34.0	54.72	16	34.0	F5	J	14	11761	E -2511876
28		8.6R	58 23.900	0.0005	15	-22 45 8.78	-0.019	15	0.29	23.891	16	34.0	8.47	16	34.0	K0	J	14	11763	E -2211779
29		8.9A	58 26.609	-0.0024	20	-20 57 16.83	-0.018	15	0.32	26.647	16	33.9	18.55	16	33.9	K5	J	13A	6942	A -20 4607
30		9.5R	58 28.014	-0.0014	15	-24 48 4.49	-0.002	15	0.29	28.035	16	34.0	4.45	16	34.0	K0	M	14	11764	E -2413020
31		9.0R	58 28.681	0.0035	20	-27 16 0.76	0.021	20	0.35	28.625	16	34.0	1.09	16	34.0	A0	J	13B	10728	J -2711383
32		9.1A	58 32.861	-0.0017	20	-20 52 6.54	-0.048	15	0.32	32.889	16	34.0	5.78	16	34.0	A5	J	13A	6944	A -20 4609
33		9.2R	58 35.654	0.0000	18	-25 2 45.65	-0.014	18	0.33	35.653	16	34.0	45.88	16	34.0	F5	J	14	11766	E -2413021
34		9.1R	58 35.872	0.0053	18	-24 52 8.90	-0.010	18	0.33	35.788	16	34.0	8.73	16	34.0	G5	J	14	11767	E -2413022
35		8.3R	58 37.640	0.0001	18	-26 52 47.48	-0.020	18	0.33	37.639	16	34.0	47.16	16	34.0	A0	J	14	11765	E -2611800
36		7.2T	58 48.464	0.0018	13	-27 52 2.11	-0.020	11	0.65	48.373	18	00.4	1.07	19	97.8	A3		GC	22947	C -2711391
37		8.8R	58 49.907	-0.0027	21	-23 48 8.62	-0.018	21	0.37	49.949	16	34.0	8.33	16	34.0	K0	J	14	11768	E -2313050
38		9.1A	58 50.139	0.0003	20	-20 47 48.71	-0.017	15	0.32	50.134	16	34.0	48.44	16	34.0	G0	J	13A	6945	A -20 4610
39		9.5R	58 53.765	-0.0001	18	-24 4 54.00	-0.009	18	0.33	53.767	16	34.0	54.14	16	34.0	K2	M	14	11769	E -2313051
40		8.7R	58 58.295	0.0014	15	-24 59 15.23	-0.002	15	0.29	58.273	16	34.0	15.19	16	34.0	B8	J	14	11770	E -2413027
41		9.3R	59 0.736	-0.0034	17	-26 15 33.39	-0.014	17	0.31	0.790	16	34.0	33.17	16	34.0	B9	J	14	11771	E -2611809
42		9.1A	59 2.518	-0.0014	20	-20 22 33.33	-0.004	12	0.30	2.540	16	34.0	33.26	16	34.0	A0	J	13A	6947	A -20 4611
43		8.7R	59 2.650	0.0036	20	-27 27 33.70	0.001	20	0.35	2.592	16	34.0	33.71	16	34.0	G0	J	13B	10738	J -2711394
44		7.8A	59 4.175	-0.0010	17	-20 31 26.60	-0.017	13	0.29	4.191	16	34.0	26.33	16	34.0	K0	J	13A	6948	A -20 4612
45		8.3R	59 7.193	-0.0005	15	-23 12 58.91	-0.037	15	0.29	7.201	16	34.0	58.32	16	34.0	G5	J	14	11772	E -2313052
46		8.2R	59 12.489	0.0016	18	-24 25 55.88	0.015	18	0.33	12.462	16	34.0	56.12	16	34.0	K0	J	14	11773	E -2413031
47		8.5R	59 18.153	0.0004	12	-28 54 22.52	-0.009	12	0.25	18.147	16	34.0	22.66	16	34.0	F0	J	13B	10742	J -2812734
48		8.5R	59 26.716	0.0012	20	-29 14 24.02	-0.049	20	0.35	26.697	16	34.0	23.24	16	34.0	A0	J	13B	10743	J -2913137
49		9.0R	59 28.352	0.0008	20	-28 20 14.40	-0.011	20	0.35	28.338	16	34.0	14.58	16	34.0	B9	J	13B	10744	J -2812738
50		9.2A	59 31.489	-0.0008	20	-21 8 17.26	-0.010	15	0.32	31.501	16	34.0	17.11	16	34.0	A2	J	13A	6950	A -20 4614
51		9.6R	16 59 40.896	0.0004	15	-22 34 2.61	-0.016	15	0.29	40.890	16	34.0	2.35	16	34.0	F5	M	14	11774	E -2211792
52		8.8A	59 51.721	0.0013	18	-20 22 10.05	-0.014	13	0.30	51.700	16	34.0	9.82	16	34.0	M0	J	13A	6951	A -20 4615
53		9.5R	59 53.923	-0.0014	20	-23 15 40.76	-0.032	20	0.35	53.946	16	34.0	40.25	16	34.0	F5	J	14	11776K	E -2313058
54		9.2R	59 57.139	0.0017	17	-28 23 15.84	-0.023	17	0.31	57.112	16	34.0	15.47	16	34.0	A0	J	13B	10747	J -2812749
55		7.7R	59 57.670	0.0020	15	-27 1 39.17	-0.004	15	0.29	57.639	16	34.0	39.10	16	34.0	K0	J	14	11775	E -2611830
56		9.4R	17 0 1.352	-0.0021	18	-23 13 43.03	0.007	18	0.33	1.386	16	34.0	43.14	16	34.0	A3	J	14	11777	E -2313059
57		8.5R	0 7.342	0.0011	12	-26 52 50.70	-0.003	12	0.25	7.324	16	34.0	50.65	16	34.0	F8	J	14	11778	E -2611832
58		9.1R	0 12.599	-0.0013	20	-26 21 48.16	0.021	20	0.35	12.619	16	34.0	48.49	16	34.0	A3	J	14	11779	E -2611833
59		9.2R	0 14.186	-0.0010	20	-25 8 39.45	-0.006	20	0.35	14.201	16	34.0	39.36	16	34.0	G5	J	14	11780	E -2511904
60		8.2R	0 14.679	0.0002	18	-24 55 33.09	-0.002	18	0.33	14.676	16	34.0	33.05	16	34.0	K5	J	14	11781	E -2413043
61		9.3R	0 15.510	-0.0029	20	-25 22 47.74	-0.049	20	0.35	15.556	16	34.0	46.95	16	34.0	A0	J	14	11782	E -2511906
62		7.3R	0 20.186	-0.0010	18	-23 4 53.54	0.000	18	0.33	20.202	16	34.0	53.54	16	34.0	K5	J	14	11783	E -2211795
63		8.2A	0 21.213	-0.0007	17	-20 4 15.15	0.001	13	0.29	21.224	16	34.0	15.16	16	34.0	M2	J	13A	6952	A -19 4498
64		7.3T	0 27.254	0.0003	09	-24 10 16.52	-0.008	08	0.54	27.238	17	92.9	15.99	17	88.2	K2		GC	22992	C -2413050
65		8.9R	0 27.355	-0.0015	15	-27 32 41.29	0.007	15	0.29	27.379	16	34.0	41.41	16	34.0	K0	J	13B	10753	J -2711414
66		8.6A	0 29.867	-0.0002	20	-20 0 57.23	0.008	15	0.32	29.869	16	34.0	57.36	16	34.0	A3	J	13A	6954	A -19 4500
67		8.5R	0 30.579	-0.0025	12	-29 37 48.72	-0.003	12	0.25	30.615	16	34.0	48.67	16	34.0	K2	J	13B	10754	J -2913157
68		9.1A	0 37.496	-0.0019	17	-21 21 19 6.36	-0.009	13	0.29	37.527	16	34.0	6.22	16	34.0	A2	J	13A	6955	A -21 4493
69		9.1R	0 38.185	-0.0017	17	-24 12 41.63	-0.007	17	0.31	38.212	16	34.0	41.51	16	34.0	M	M	14	11785	E -2413054
70		8.6R	0 39.779	-0.0027	18	-22 36 23.13	-0.023	18	0.33	39.823	16	34.0	22.76	16	34.0	G0	J	14	11787	E -2211798
71		9.2R	0 39.882	0.0008	18	-24 45 57.44	-0.005	18	0.33	39.869	16	34.0	57.36	16	34.0	B3	J	14	11786	E -2413055
72		8.8R	0 41.867	-0.0026	17	-29 29 31.26	-0.017	17	0.31	41.908	16	34.0	30.99	16	34.0	K2	J	13B	10755	J -2913160
73		8.7A	0 43.149	0.0003	18	-21 20 37.72	-0.035	13	0.30	43.144	16	34.0	37.16	16	34.0	K0	J	13A	6958	A -21 4494
74		8.7R	0 46.493	0.0010	18	-23 32 52.96	0.009	18	0.33	46.477	16	34.0	53.10	16	34.0	F2	J	14	11788	E -2313069
75		8.9A	0 48.663	0.0006	20	-21 27 23.68	-0.024	15	0.32	48.652	16	34.0	23.30	16	34.0	K0	J	13A	6960	A -21 4496
76		8.8A	0 48.946	-0.0003	18	-20 19 10.11	0.006	13	0.30	48.950	16	34.0	10.20	16	34.0	G5	J	13A	6961	A -20 4619
77		9.0R	0 49.987	0.0017	18	-24 46 33.24	-0.033	18	0.33	49.960	16	34.0	32.70	16	34.0	M2	M	14	11790	E -2413058
78		7.8T	0 50.769	0.0027	12	-28 11 14.18	-0.031	11	0.63	50.632	21	00.0	12.56	21	97.7	B9		GC	23003	C -2812760
79		8.8R	0 54.128	0.0016	18	-24 13 27.40	-0.018	18	0.33	54.102	16	34.0	27.11	16	34.0	K0	J	14	11792	E -2413062
80		8.5R	0 54.730	0.0002	18	-22 48 41.28	-0.012	18	0.33	54.726	16	34.0	41.09	16	34.0	K5	J	14	11793	E -2211800
81		7.7R	0 55.010	0.0018	12	-27 8 44.52	-0.053	12	0.25	54.981	16	34.0	43.67	16	34.0	F8	J	13B	10761	J -2711422
82		6.7T	0 55.924	-0.0009	04	-25 37 42.75	-0.026	04	0.23	55.966	09	02.5	41.50	09	01.6	B9		GC	23006	C*-2511915
83		8.4A	0 59.681	-0.0020	11	-20 24 15.73	0.013	09	0.58	59.787	21	96.1	16.48	18	92.2	A2		GC	23008	-20 4623
84		9.5R	1 5.845	0.0006	15	-24 58 7.46	-0.003	15	0.29	5.830	16	34.0	7.50	16	34.0	F5	M	14	11794	E -2413064
85		9.4R	1 7.020	-0.0029	21	-29 40 9.84	-0.081	21	0.37	7.065	16	34.0	8.54	16	34.0	A2	J	13B	10763	J -2913169
86		9.0R	1 7.069	0.0005	20	-27 56 9.53	-0.006	20	0.35	7.061	16	34.0	9.44	16	34.0	A2	J	13B	10764	J -2711423
87		8.5R	1 8.998	-0.0013	12	-26 51 27.10	-0.042	12	0.25	9.018	16	34.0	26.43	16	34.0	A5	J	14	11795	E -2611844
88		9.5R	1 14.604	-0.0036	18	-23 33 16.13	-0.012	18	0.33	14.662	16	34.0	15.93	16	34.0	K0	M	14	11796	E -2313076
89		8.8A	1 16.994	0.0002	17	-20 58 25.53	-0.008	13	0.29	16.990	16	34.0	25.41	16	34.0	A0	J	13A	6964	A -20 4624
90		6.7T	1 18.535	0.0069	07	-28 30 36.80	-0.261	07	0.33	18.224	09	05.5	25.21	09	05.6	G5		GC	23012	C*-2812769
91		7.4T	1 24.729	0.0031	10	-24 10 17.41	0.007	08	0.55	24.563	18	96.0	17.79	18	91.4	K0		GC	23015	C*-2413070
92		7.3T	1 26.064	-0.0008	10	-23 19 19.30	-0.041	09	0.57	26.107	17	95.6	16.93	15	92.2	K0		GC	23017	C -2313078
93		8.5R	1 29.510	-0.0025	12	-26 11 53.46	-0.024	12	0.25	29.549	16	34.0	53.08	16	34.0	K2	J	14	11798	E -2611850
94		9.0R	1 37.769	-0.0009	12	-28 50 46.12	0.008	12	0.25	37.783	16	34.0	46.25	16	34.0	K0	J	13B	10769	J -2812773
95		6.8T	1 38.712	-0.0015	05	-25 34 32.41	-0.078	04	0.23	38.782	07	03.1	28.63	09	01.4	A5		GC	23024	C*-2511924
96		8.6R	1 39.874	-0.0004	18	-27 25 38.30	-0.019	18	0.33	39.881	16	34.0	38.00	16	34.0	B5	M	13B	10771	J -2711432
97		8.3A	1 42.099	-0.0016	17	-21 42 29.68	-0.065	12	0.28	42.125	16	34.0	28.63	16	34.0	G0	J	13A	6967	A -21 4502
98		8.5R	1 45.731	-0.0028	12	-27 18 52.18	-0.035	12	0.25	45.775	16	34.0	51.62	16	34.0	G0	J	13B	10772	J -2711433
99		6.2T	1 47.389	-0.0005	04	-20 25 34.08	-0.026	05	0.22	47.411	07	03.5	32.85	09	02.9	B3		GC	23034	B*-20 4627
00		9.2R	1 50.553	-0.0001	12	-26 50 24.90	-0.020	15	0.27	50.556	16	34.0	24.58	16	34.0	G0	J	14	11802	E -2611858

185000

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	EPOCH 1950 μ s	σ_μ ″.001	EPOCH 1950 δ_{1950} ° ′ ″	EPOCH 1950 μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.		SOURCE CAT.	SOURCE STAR NUMBER	-20° 17H DM NUMBER
1		8.9R	17 1 52.565	-0.0007	15	-26 30 18.26	0.000	15	0.29	52.576	16	34.0	18.26	16	34.0	B9	J	14	11803	E -2611859
2		8.5R	1 53.405	-0.0005	17	-29 39 8.00	-0.009	17	0.31	53.413	16	34.0	7.85	16	34.0	K0	J	13B	10773	J -2913175
3		8.1R	1 55.914	0.0003	17	-29 57 39.10	-0.019	17	0.31	55.909	16	34.0	38.79	16	34.0	A0	J	13B	10774	J -2913176
4		9.0R	1 56.765	-0.0014	17	-28 55 57.40	-0.020	17	0.31	56.787	16	34.0	57.08	16	34.0	K5	M	13B	10776	J -2812780
5		9.1A	2 3.568	-0.0005	17	-20 45 25.59	-0.016	13	0.29	3.576	16	34.0	25.34	16	34.0	A0	J	13A	6970	A -20 4628
6		8.2A	2 9.077	-0.0000	17	-21 56 24.45	-0.037	12	0.28	9.078	16	34.0	23.85	16	34.0	F2	J	13A	6971	A -21 4503
7		9.3R	2 11.866	-0.0018	22	-24 12 4.77	-0.030	22	0.39	11.895	16	34.0	4.28	16	34.0	K0	M	14	11805	E -2413079
8		8.4T	2 17.980	-0.0009	13	-25 24 34.50	-0.001	12	0.67	18.025	19	00.8	34.44	21	00.3	F0		GC	23040	C -2511935
9		8.1A	2 18.393	-0.0011	18	-20 7 26.47	0.000	13	0.30	18.411	16	34.0	26.47	16	34.0	G5	J	13A	6972	A -19 4515
10		8.6R	2 20.174	-0.0004	18	-23 38 50.80	0.001	18	0.33	20.180	16	34.0	50.81	16	34.0	K0	J	14	11807	E -2313091
11		8.4R	2 27.850	-0.0001	18	-24 29 34.63	0.007	18	0.33	27.852	16	34.0	34.73	16	34.0	K5	J	14	11808	E -2413082
12		7.2T	2 30.339	0.0005	17	-22 0 20.44	-0.049	15	0.81	30.316	18	01.4	17.90	18	98.7	B8		GC	23045	-21 4505
13		8.4R	2 33.369	-0.0000	12	-25 44 54.75	-0.027	12	0.25	33.369	16	34.0	54.32	16	34.0	K0	J	14	11810	E -2511937
14		8.3R	2 38.785	0.0010	17	-29 35 11.00	0.026	17	0.31	38.769	16	34.0	11.42	16	34.0	M2	M	13B	10778	J -2913185
15		7.4A	2 43.491	-0.0026	15	-21 12 50.39	-0.057	12	0.27	43.533	16	34.0	49.48	16	34.0	K0	J	13A	6974	A -21 4508
16		9.0R	2 45.220	-0.0050	20	-28 13 20.08	0.045	20	0.35	45.299	16	34.0	20.80	16	34.0	F8	J	13B	10780	J -2812799
17		7.4T	2 47.175	0.0002	11	-28 48 21.08	0.003	09	0.57	47.166	18	97.0	21.24	18	93.1	A0		GC	23052	C -2812800
18		8.7R	2 53.894	-0.0024	20	-29 14 21.16	0.026	20	0.35	53.932	16	34.0	21.58	16	34.0	B9	J	13B	10783	J -2913190
19		9.4R	2 58.396	0.0020	18	-22 47 7.80	-0.337	18	0.33	58.365	16	34.0	2.40	16	34.0	G	M	14	11814	E -2211823
20	7.61		2 59.294	0.0000	10	-26 30 49.30	0.008	07	0.48	59.293	17	97.8	49.76	17	92.6	F5V		GC	23059X	C*-2611880
21		8.8R	3 2.526	-0.0022	15	-26 52 36.47	-0.004	15	0.29	2.562	16	34.0	36.40	16	34.0	K0	J	14	11813	E -2611884
22		9.3R	3 7.646	0.0010	18	-23 55 44.25	-0.021	18	0.33	7.629	16	34.0	43.91	16	34.0	K2	J	14	11815	E -2313104
23		9.1A	3 11.381	0.0011	17	-21 14 56.38	0.005	12	0.28	11.362	16	34.0	56.47	16	34.0	F0	J	13A	6977	A -21 4511
24		6.3T	3 12.443	-0.0014	04	-21 29 49.21	-0.078	03	0.18	12.505	06	04.5	45.63	06	03.9	A0		GC	23065	-21 4512
25		8.5R	3 19.288	-0.0023	17	-28 55 34.31	0.022	17	0.31	19.325	16	34.0	34.66	16	34.0	G5	J	13B	10787	J -2812812
26		8.9R	3 21.639	0.0018	17	-28 31 19.09	0.003	17	0.31	21.609	16	34.0	19.14	16	34.0	A0	J	13B	10788	J -2812815
27		8.9R	3 26.520	0.0009	18	-23 25 17.96	-0.064	18	0.33	26.506	16	34.0	16.93	16	34.0	G0	J	14	11816	E -2313111
28		10.1T	3 31.190	0.0042	16	-28 11 50.83	-0.039	13	0.89	30.955	30	94.5	48.54	30	91.1	F2		GC	23072	C -2812821
29		8.4R	3 31.434	0.0003	18	-23 50 18.39	-0.021	18	0.33	31.429	16	34.0	18.05	16	34.0	M2	M	14	11817	E -2313113
30		9.2R	3 33.364	-0.0029	22	-24 38 36.39	0.023	22	0.39	33.410	16	34.0	36.75	16	34.0	A5	J	14	11818	E -2413097
31		9.3R	3 35.363	0.0011	18	-23 51 45.68	0.007	18	0.33	35.345	16	34.0	45.79	16	34.0	K5	M	14	11820	E -2313114
32		9.4R	3 45.174	-0.0042	21	-24 3 20.03	0.014	21	0.37	45.241	16	34.0	20.25	16	34.0	G	M	14	11822	E -2313118
33		6.2M	3 47.125	0.0003	02	-26 26 49.52	-0.013	02	0.09	47.117	04	19.3	49.13	05	19.4	A0		F4	1447	C -2611896
34		8.7R	3 49.279	0.0012	18	-24 29 38.83	0.002	18	0.33	49.260	16	34.0	38.86	16	34.0	B9	J	14	11823	E -2413102
35		9.2R	3 53.297	0.0021	12	-27 1 32.16	-0.030	12	0.25	53.263	16	34.0	31.68	16	34.0	F5	J	14	11824K	E -2611900
36		8.5R	4 0.195	-0.0019	12	-29 39 12.91	-0.000	12	0.25	0.226	16	34.0	12.91	16	34.0	K0	J	13B	10793	J -2913207
37		9.1R	4 14.574	0.0013	20	-28 55 37.69	-0.023	20	0.35	14.553	16	34.0	37.32	16	34.0	K0	J	13B	10797	J -2812835
38		9.0R	4 18.809	-0.0003	17	-28 44 47.04	-0.023	17	0.31	18.813	16	34.0	46.67	16	34.0	A2	J	13B	10800	J -2812837
39		10.0T	4 25.403	0.0053	12	-28 3 43.76	-0.044	10	0.62	25.139	22	00.6	41.36	21	95.3	G5		GC	23094	C -2711467
40		8.1R	4 28.668	-0.0007	15	-27 39 57.57	-0.009	15	0.29	28.679	16	34.0	57.42	16	34.0	G5	J	13B	10805	J -2711469
41		8.3R	4 32.812	-0.0004	12	-27 38 14.80	-0.035	12	0.25	32.818	16	34.0	14.24	16	34.0	F8	J	13B	10806	J -2711470
42		9.1R	4 37.614	0.0003	18	-24 26 1.74	-0.009	18	0.33	37.609	16	34.0	1.59	16	34.0	A0	J	14	11827	E -2413115
43		8.9R	4 39.969	0.0026	20	-29 27 43.23	-0.011	20	0.35	39.927	16	34.0	43.05	16	34.0	K5	J	13B	10807	J -2913211
44		8.5R	4 40.466	0.0014	20	-28 30 55.54	-0.000	20	0.35	40.443	16	34.0	55.54	16	34.0	A5	J	13B	10809	J -2812845
45		9.1R	4 42.969	0.0033	18	-24 42 31.50	0.014	18	0.33	42.917	16	34.0	31.72	16	34.0	A0	J	14	11828	E -2413116
46		9.5R	4 44.504	-0.0001	20	-29 12 33.29	-0.043	20	0.35	44.506	16	34.0	32.60	16	34.0	K0	M	13B	10810	J -2913213
47		8.7R	4 45.680	-0.0013	18	-22 25 47.50	-0.045	18	0.33	45.702	16	34.0	46.77	16	34.0	K5	J	14	11830	E -2211841
48		8.6R	4 46.553	0.0001	15	-25 23 37.25	-0.007	15	0.29	46.551	16	34.0	37.14	16	34.0	A2	J	14	11829	E -2511966
49		7.2T	4 52.120	-0.0007	08	-24 56 0.89	-0.000	08	0.43	52.153	19	00.9	0.88	12	98.0	G5		GC	23104	C -2413119
50		9.1R	4 53.792	-0.0044	17	-28 46 9.16	0.011	17	0.31	53.862	16	34.0	9.34	16	34.0	A0	J	13B	10811	J -2812850
51		9.5R	17 4 56.120	0.0012	18	-23 50 54.77	0.014	18	0.33	56.101	16	34.0	54.99	16	34.0	K0	M	14	11832	E -2313139
52		8.9R	4 56.494	-0.0025	21	-23 23 35.36	0.034	21	0.37	56.534	16	34.0	35.91	16	34.0	K0	J	14	11834	E -2313138
53		9.1R	4 58.361	0.0012	15	-25 4 42.33	-0.022	15	0.29	58.341	16	34.0	41.98	16	34.0	G0	J	14	11833	E -2413121
54		9.5R	5 1.597	0.0010	18	-22 57 29.32	-0.009	18	0.33	1.581	16	34.0	29.18	16	34.0	G0	M	14	11835	E -2211845
55		7.5R	5 5.968	-0.0010	12	-29 59 14.79	-0.027	12	0.25	5.984	16	34.0	14.36	16	34.0	K0	J	13B	10812	J -2913222
56		8.9R	5 9.206	0.0004	18	-23 36 24.68	0.015	18	0.33	9.199	16	34.0	24.92	16	34.0	A0	J	14	11836	E -2313140
57		8.9R	5 10.124	0.0014	12	-29 17 39.75	0.007	12	0.25	10.101	16	34.0	39.86	16	34.0	K0	J	13B	10813	J -2913224
58		8.3T	5 10.708	0.0008	13	-28 2 19.51	-0.010	12	0.68	10.665	21	99.2	18.98	21	97.0	K5		GC	23114	C -2711474
59		8.5R	5 16.634	-0.0002	17	-28 50 24.62	0.019	17	0.31	16.637	16	34.0	24.93	16	34.0	A2	J	13B	10816	J -2812856
60		9.1R	5 19.090	-0.0017	20	-28 54 19.13	-0.029	20	0.35	19.118	16	34.0	18.66	16	34.0	F5	M	13B	10818	J -2812857
61		7.7R	5 19.754	-0.0014	12	-29 55 17.37	0.015	12	0.25	19.776	16	34.0	17.61	16	34.0	K0	J	13B	10817	J -2913227
62		9.0R	5 21.652	-0.0045	20	-29 58 29.70	-0.045	20	0.35	21.725	16	34.0	28.98	16	34.0	A0	J	13B	10820	J -2913228
63		8.7R	5 23.506	-0.0005	18	-23 31 43.74	-0.004	18	0.33	23.514	16	34.0	43.67	16	34.0	K0	J	14	11837	E -2313144
64		9.5R	5 27.015	-0.0008	18	-22 12 28.31	-0.004	18	0.33	27.028	16	34.0	28.24	16	34.0	K0	M	14	11839	E -2211851
65		8.8R	5 29.934	-0.0007	18	-26 46 22.90	-0.039	18	0.33	29.946	16	34.0	22.27	16	34.0	B8	J	14	11838	E -2611936
66		8.5R	5 31.892	-0.0042	18	-23 9 46.85	-0.064	18	0.33	31.959	16	34.0	45.82	16	34.0	G0	J	14	11840	E -2313147
67		7.9A	5 34.733	-0.0003	00	-20 9 13.26	-0.013	13	0.22	34.737	16	34.0	13.05	16	34.0	A0	J	13A	6994	A -20 4646
68		9.1R	5 37.100	0.0002	18	-24 21 38.00	-0.011	18	0.33	37.096	16	34.0	37.82	16	34.0	A0	J	14	11841	E -2413139
69		8.5R	5 39.516	-0.0012	17	-23 34 36.22	-0.001	18	0.33	39.549	16	34.0	36.20	16	34.0	K5	J	13B	10825	J -2711480
70		9.4R	5 40.043	0.0028	18	-23 51 0.82	0.015	18	0.33	39.999	16	34.0	1.06	16	34.0	G5	M	14	11842	E -2313149
71		8.1R	5 40.848	0.0024	20	-28 9 12.70	-0.018	17	0.33	40.809	16	34.0	12.41	16	34.0	G5	J	13B	10826	J -2812862
72		9.3R	5 43.721	0.0007	18	-23 56 11.27	-0.017	18	0.33	43.709	16	34.0	10.99	16	34.0	F8	J	14	11843	E -2313150
73		9.5R	5 51.893	0.0078	20	-25 4 47.14	-0.039	20	0.35	51.767	16	34.0	46.52	16	34.0	G5	M	14	11844	E -2413144
74		7.9R	5 55.101	-0.0013	18	-23 55 48.49	-0.036	18	0.33	55.122	16	34.0	47.91	16	34.0	F5	J	14	11845	E -2313153
75		8.0R	5 55.726	0.0002	15	-27 49 52.87	-0.037	15	0.29	55.722	16	34.0	52.28	16	34.0	K0	J	13B	10829	J -2711483
76		8.7R	5 58.214	0.0008	15	-27 20 4.23	-0.017	15	0.29	58.201	16	34.0	3.96	16	34.0	K5	J	13B	10831	J -2711484
77		8.8R	6 0.614	-0.0002	15	-26 21 37.49	0.007	15	0.29	0.618	16	34.0	37.60	16	34.0	K5	J	14	11846	E -2611944
78		9.4R	6 1.743	-0.0012	18	-28 3 49.33	-0.030	18	0.33	1.761	16	34.0	48.85	16	34.0	G5	J	13B	10832	J -2711486
79		8.2R	6 9.630	0.0015	12	-29 50 14.51	0.006	12	0.25	9.606	16	34.0	14.60	16	34.0	F5	J	13B	10835K	J -2913241
80		9.4R	6 12.160	-0.0023	18	-22 57 39.59	0.023	18	0.33	12.197	16	34.0	39.96	16	34.0	K0	M	14	11848	E -2211863
81		8.9R	6 20.236	0.0001	12	-23 50 43.30	-0.009	12	0.25	20.234	16	34.0	43.15	16	34.0	K0	M	14	11849	E -2313158
82		9.1R	6 23.243	-0.0046	20	-28 1 37.57	-0.024	20	0.35	23.316	16	34.0	37.19	16	34.0	A2	J	13B	10838	J -2711489
83		9.1R	6 24.769	-0.0011	15	-23 29 18.02	-0.009	15	0.29	24.786	16	34.0	17.88	16	34.0	F5	M	14	11850	E -2313159
84		9.3R	6 25.871	0.0005	18	-23 6 24.17	-0.014	18	0.33	25.863	16	34.0	23.95	16	34.0	A0	J	14	11851	E -2313161
85		9.4R	6 28.099	-0.0001	18	-23 39 54.39	-0.016	18	0.33	28.100	16	34.0	54.13	16	34.0	K0	M	14	11852	E -2313160
86		8.6A	6 29.836	0.0001	15	-20 42 38.19	-0.005	11	0.26	29.833	16	34.0	38.12	16	34.0	A3	J	13A	6999	A -20 4653
87		8.7R	6 32.033	-0.0004	18	-25 28 43.73	0.012	18	0.33	32.039	16	34.0	43.93	16	34.0	K5	J	14	11853	E -2511989
88		9.5R	6 32.187	-0.0015	18	-23 30 15.26	-0.031	18	0.33	32.212	16	34.0	14.76	16	34.0	A3	J	14	11854	E -2313163
89		8.7R	6 35.106	-0.0035	12	-29 9 30.18	0.041	12	0.25	35.162	16	34.0	30.84	16	34.0	K2	J	13B	10839	J -2913248
90		9.2A	6 46.359	-0.0016	20	-20 19 3.86	-0.017	15	0.32	46.385	16	34.0	3.58	16	34.0	A0	J	13A	7001	A -20 4654
91		8.9A	6 50.657	-0.0015	17	-21 43 49.54	0.020	13	0.29	50.681	16	34.0	49.85	16	34.0	G5	J	13A	7002	A -21 4526
92		9.3R	6 52.970	0.0000	20	-28 23 6.05	0.029	20	0.35	52.969	16	34.0	6.52	16	34.0	A5	J	13B	10841	J -2812878
93		9.4R	6 54.016	0.0010	18	-23 28 10.22	0.029	18	0.33	54.000	16	34.0	10.69	16	34.0	K5	M	14	11855	E -2313166
94		9.2R	6 57.208	-0.0070	20	-29 54 36.67	-0.136	20	0.35	57.321	16	34.0	34.49	16	34.0	G5	J	13B	10842	J -2913253
95		8.1A	6 58.985	-0.0002	17	-20 37 4.47	-0.016	12	0.28	58.988	16	34.0	4.22	16	34.0	K0	J	13A	7003	A -20 4655
96		9.1R	6 59.901	-0.0013	18	-24 5 14.90	-0.018	18	0.33	59.922	16	34.0	14.61	16	34.0	A5	J	14	11856	E -2313169
97		7.5R	7 1.043	-0.0011	20	-27 42 39.27	-0.048	20	0.35	1.060	16	34.0	38.50	16	34.0	F2	J	13B	10844	J -2711500
98		8.5R	7 1.649	-0.0028	18	-23 57 6.39	-0.020	18	0.33	1.693	16	34.0	6.06	16	34.0	G5	J	14	11857	E -2313170
99		9.7R	7 4.532	-0.0065	17	-23 31 4.21	0.016	17	0.31	4.636	16	34.0	4.46	16	34.0	A5	M	14	11858	E -2313171
00		9.6R	7 18.065	0.0001	18	-23 38 36.16	-0.050	18	0.33	18.063	16	34.0	35.35	16	34.0	G5	M	14	11859	E -2313172

185100

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ s	σ_μ .001	δ_{1950} ° ′ ″	μ' ″	σ_μ .001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ .01	ep.	δ_2 ″	σ' .01	ep.	SP.		SOURCE CAT.	STAR NUMBER	DM NUMBER
1		9.0A	17 7 19.455	-0.0034	20	-21 31 18.85	-0.074	15	0.32	19.510	16	34.0	17.66	16	34.0	G0	J	13A	7054	A -21 4531
2		8.3R	7 26.610	0.0011	15	-26 10 58.74	-0.054	15	0.29	26.592	16	34.0	57.87	16	34.0	K0	J	14	11860	E -2611967
3		9.3R	7 27.702	-0.0034	20	-28 24 18.34	0.036	20	0.35	27.756	16	34.0	18.92	16	34.0	F8	M	13B	10850	J -2812889
4		9.1R	7 28.789	-0.0026	12	-26 59 46.29	-0.010	12	0.25	28.634	16	34.0	46.13	16	34.0	A2	J	13B	10851	J -2812890
5		9.4R	7 29.326	-0.0098	18	-22 37 36.46	-0.069	18	0.33	29.482	16	34.0	35.35	16	34.0	G5	M	14	11862	E -2211879
6		8.4R	7 30.677	0.0007	18	-26 56 36.92	-0.022	18	0.33	30.666	16	34.0	36.57	16	34.0	K5	J	14	11861	E -2611976
7		9.3R	7 31.094	-0.0040	21	-29 29 17.34	-0.016	21	0.37	31.159	16	34.0	17.08	16	34.0	K	M	13B	10852	J -2913260
8		9.4R	7 41.003	0.0001	18	-23 28 50.25	-0.002	18	0.33	41.001	16	34.0	50.22	16	34.0	A5	J	14	11863	E -2313181
9		8.8A	7 43.822	-0.0013	17	-21 56 35.61	-0.037	13	0.29	43.844	16	34.0	35.01	16	34.0	A2	J	13A	7059	A -21 4534
10		8.7R	7 45.347	-0.0019	22	-24 53 2.45	0.054	22	0.39	45.377	16	34.0	3.31	16	34.0	A3	J	14	11865	E -2413177
11		8.4R	7 45.903	-0.0008	20	-26 23 26.23	-0.012	20	0.35	45.915	16	34.0	26.04	16	34.0	B9	J	14	11864	E -2611974
12		8.6R	7 45.993	-0.0019	12	-24 53 8.59	0.002	12	0.25	46.023	16	34.0	8.63	16	34.0	A3	J	14	11866	E -2413177
13		9.7R	7 50.084	-0.0039	20	-29 59 5.14	-0.054	20	0.35	50.146	16	34.0	4.27	16	34.0	G5	M	13B	10854	J -2913264
14		9.2R	7 51.912	-0.0027	20	-29 55 3.64	-0.019	20	0.35	51.956	16	34.0	3.35	16	34.0			13B	10855	J -2913265
15		9.0R	8 4.054	0.0007	20	-28 34 13.32	-0.014	20	0.35	4.042	16	34.0	13.09	16	34.0	K2	M	13B	10856K	J -2812896
16		7.1T	8 6.077	-0.0006	07	-20 35 30.59	-0.131	07	0.39	6.106	14	98.1	23.46	14	95.4	K0		GC	23173	-20 4659
17		8.0A	8 7.174	-0.0014	20	-20 45 39.73	-0.025	15	0.32	7.195	16	34.0	39.33	16	34.0	K0	J	13A	7013	A -20 4660
18		9.2R	8 8.666	-0.0004	18	-24 6 15.82	-0.006	18	0.33	8.672	16	34.0	15.72	16	34.0	K2	M	14	11867	E -2413183
19		9.0A	8 15.728	-0.0003	20	-21 9 19.92	-0.024	15	0.32	15.732	16	34.0	19.54	16	34.0	K5	J	13A	7015	A -21 4538
20		8.3R	8 16.789	-0.0019	15	-24 58 13.43	-0.048	15	0.29	16.819	16	34.0	12.66	16	34.0	F5	J	14	11868	E -2413185
21		8.5A	8 19.221	-0.0054	20	-21 18 45.33	-0.004	15	0.32	19.307	16	34.0	45.27	16	34.0	K0	J	13A	7016	A -21 4539
22		8.1A	8 23.974	-0.0009	17	-20 21 51.18	-0.036	12	0.28	23.989	16	34.0	50.60	16	34.0	A0	J	13A	7019	A -20 4661
23		8.9A	8 25.536	-0.0021	20	-21 50 11.74	0.005	15	0.32	25.570	16	34.0	11.81	16	34.0	A0	J	13A	7018	A -21 4540
24		9.5R	8 28.867	-0.0050	20	-29 19 55.31	-0.005	20	0.35	28.947	16	34.0	55.23	16	34.0	A2	J	13B	10858	J -2913276
25		9.3R	8 28.887	0.0008	18	-24 0 1.93	0.030	18	0.33	28.874	16	34.0	2.40	16	34.0	K0	M	14	11872	E -2313191
26		7.7T	8 30.240	-0.0010	10	-26 38 31.91	-0.035	09	0.52	30.291	17	97.7	30.05	15	96.8	F8		GC	23179K	C*-2611981
27		8.8R	8 31.498	-0.0026	15	-22 6 22.42	0.012	15	0.29	31.539	16	34.0	22.60	16	34.0	K2	J	14	11873	E -2211884
28		8.6R	8 35.002	-0.0008	18	-22 15 40.51	-0.016	18	0.33	35.015	16	34.0	40.24	16	34.0	K0	J	14	11874	E -2211885
29		9.2R	8 41.313	-0.0004	18	-26 22 45.62	-0.017	18	0.33	41.319	16	34.0	45.35	16	34.0	F0	M	14	11875	E -2611986
30		9.2R	8 42.653	0.0000	12	-28 24 51.83	0.058	12	0.25	42.652	16	34.0	52.76	16	34.0	G0	M	13B	10863	J -2812910
31		9.2R	8 43.927	0.0045	20	-29 37 48.89	0.068	20	0.35	43.855	16	34.0	49.98	16	34.0	A0	J	13B	10862	J -2913280
32		8.9R	8 46.255	-0.0077	17	-29 24 48.36	-0.087	17	0.31	46.379	16	34.0	46.97	16	34.0	G5	J	13B	10864	J -2913281
33		9.3R	8 52.571	-0.0006	20	-29 9 11.38	-0.065	20	0.35	52.580	16	34.0	11.30	16	34.0	K0	M	13B	10866	J -2913283
34		8.3R	8 56.124	0.0018	12	-25 37 17.75	-0.009	12	0.25	56.096	16	34.0	17.60	16	34.0	A0	J	14	11876	E -2512017
35		9.1R	8 58.887	-0.0002	15	-23 38 16.43	-0.004	15	0.29	58.891	16	34.0	16.36	16	34.0	K2	M	14	11877	E -2313196
36		8.5A	9 4.063	-0.0071	18	-21 43 50.11	-0.078	12	0.29	4.177	16	34.0	48.85	16	34.0	G0	J	13A	7024	A -21 4543
37		6.8T	9 4.088	-0.0031	07	-26 58 54.08	-0.086	05	0.54	4.256	12	01.8	49.41	12	95.6	G5		GC	23192K	C*-2611990
38		6.3T	9 9.075	-0.0010	09	-25 11 41.71	-0.035	08	0.43	9.124	10	01.4	39.88	12	97.9	A0		GC	23195	C -2512018
39		9.1R	9 13.560	0.0012	18	-23 6 10.99	-0.009	18	0.33	13.540	16	34.0	10.84	16	34.0	G5	M	14	11881	E -2313200
40		8.7R	9 15.173	0.0019	18	-25 35 40.00	-0.037	18	0.33	15.142	16	34.0	39.41	16	34.0	G5	J	14	11880	E -2512019
41		9.1R	9 16.744	-0.0037	20	-29 30 31.73	-0.043	21	0.36	16.804	16	34.0	31.03	16	34.0	A5	J	13B	10869	J -2913286
42		6.1T	9 16.973	-0.0007	08	-27 42 7.57	-0.041	09	0.45	17.006	10	99.8	5.44	12	98.0	B9		GC	23198	C -2711516
43		8.2R	9 22.087	-0.0015	18	-22 51 57.29	0.001	18	0.33	22.111	16	34.0	57.31	16	34.0	A3	J	14	11882	E -2211893
44		9.4R	9 24.989	0.0009	18	-23 36 25.64	-0.008	18	0.33	24.974	16	34.0	25.51	16	34.0	K0	M	14	11885	E -2313203
45		8.3R	9 26.771	-0.0005	18	-25 10 2.17	-0.051	18	0.33	26.778	16	34.0	1.35	16	34.0	F5	J	14	11883	E -2512024
46		9.0R	9 28.446	0.0014	12	-25 12 22.18	0.024	12	0.25	28.424	16	34.0	22.56	16	34.0	F0	J	14	11886	E -2512025
47		8.5T	9 29.406	-0.0009	15	-26 57 37.01	-0.011	10	0.65	29.448	18	02.1	36.46	18	00.2	K5		GC	23201	C -2611994
48		8.7R	9 30.139	-0.0020	20	-29 1 52.13	-0.001	20	0.35	30.170	16	34.0	52.11	16	34.0	K5	J	13B	10872	J -2812921
49		9.3R	9 35.361	0.0019	18	-23 36 38.64	0.017	18	0.33	35.331	16	34.0	38.90	16	34.0	K0	M	14	11887	E -2313205
50		6.9T	9 39.857	0.0031	18	-21 32 49.71	-0.003	17	0.81	39.719	10	05.0	49.55	12	04.3	F0		GC	23205	-21 4544
51		9.5R	17 9 41.322	-0.0022	20	-24 51 52.11	0.060	20	0.35	41.356	16	34.0	53.07	16	34.0	A0	M	14	11888	E -2413204
52		9.0R	9 45.213	-0.0024	20	-29 33 39.21	0.019	20	0.35	45.252	16	34.0	39.51	16	34.0	F0	J	13B	10873	J -2913291
53		9.6R	9 46.661	0.0014	18	-24 42 28.30	-0.028	18	0.33	46.639	16	34.0	27.84	16	34.0	G5	M	14	11889	E -2413207
54		8.8R	9 48.737	0.0002	17	-28 53 20.11	0.038	17	0.31	48.733	16	34.0	20.72	16	34.0	K2	J	13B	10874	J -2812926
55		8.7R	9 50.540	0.0013	12	-28 58 4.93	0.015	12	0.25	50.519	16	34.0	5.17	16	34.0	F2	J	13B	10875	J -2812928
56		8.7R	9 52.038	-0.0016	18	-24 24 9.65	0.005	18	0.33	52.064	16	34.0	9.72	16	34.0	K0	M	14	11890	E -2413208
57		8.6R	9 55.648	0.0009	12	-25 6 54.17	0.030	12	0.25	55.633	16	34.0	54.65	16	34.0	A3	J	14	11891	E -2512027
58		9.0A	9 59.198	-0.0036	17	-21 27 58.41	0.016	12	0.28	59.256	16	34.0	58.67	16	34.0	K5	J	13A	7032	A -21 4545
59		9.2R	10 0.211	0.0001	20	-25 28 57.18	0.053	20	0.35	0.209	16	34.0	58.03	16	34.0	A0	J	14	11892	E -2512028
60		9.3R	10 8.127	0.0000	18	-23 26 10.62	0.010	18	0.33	8.127	16	34.0	10.78	16	34.0	K0	M	14	11893	E -2313217
61		9.2R	10 8.423	0.0017	20	-29 4 0.08	0.012	20	0.35	8.396	16	34.0	0.27	16	34.0	F0	J	13B	10879	J -2813934
62		8.8R	10 11.915	-0.0028	15	-26 6 39.81	-0.016	15	0.29	11.960	16	34.0	39.55	16	34.0	K5	M	14	11894	E -2612002
63		9.7R	10 12.186	0.0026	18	-23 57 36.58	0.009	18	0.33	12.145	16	34.0	36.72	16	34.0	A0	M	14	11895	E -2313220
64		9.0R	10 12.275	-0.0000	18	-27 55 40.56	-0.038	18	0.33	12.275	16	34.0	39.95	16	34.0	B8	J	13B	10880	J -2711521
65		9.2R	10 16.377	-0.0003	18	-25 58 8.23	-0.022	15	0.31	16.382	16	34.0	7.88	16	34.0	A2	J	14	11896	E -2512032
66		8.8A	10 21.127	0.0001	17	-20 31 48.68	-0.140	13	0.29	21.126	16	34.0	46.44	16	34.0	F0	J	13A	7034	A -20 4676
67		9.0R	10 21.349	0.0019	18	-23 10 27.36	-0.007	18	0.33	21.319	16	34.0	27.25	16	34.0	K0	M	14	11897	E -2313225
68		9.3R	10 22.559	-0.0030	17	-28 24 57.34	-0.015	17	0.31	22.607	16	34.0	57.10	16	34.0	A0	J	13B	10881	J -2812939
69		8.5R	10 25.131	0.0002	18	-23 48 46.94	0.035	18	0.33	25.128	16	34.0	47.49	16	34.0	A0	J	14	11898	E -2313225
70		8.9A	10 25.195	-0.0006	20	-21 6 34.14	-0.009	15	0.32	25.205	16	34.0	34.00	16	34.0	G5	J	13A	7035	A -20 4677
71		9.0R	10 35.648	0.0017	18	-23 26 34.88	-0.004	18	0.33	35.620	16	34.0	34.82	16	34.0	G5	M	14	11899	E -2313230
72		9.3R	10 37.163	0.0012	18	-23 7 42.36	-0.002	18	0.33	37.144	16	34.0	42.33	16	34.0	F5	J	14	11900	E -2313233
73		8.8R	10 43.112	0.0021	18	-23 59 38.86	-0.058	18	0.33	43.078	16	34.0	37.92	16	34.0	G0	J	14	11902	E -2313237
74		9.1R	10 51.567	-0.0006	18	-22 26 55.92	-0.022	18	0.33	51.577	16	34.0	55.56	16	34.0	A0	J	14	11903	E -2211919
75		6.6T	10 53.844	0.0005	12	-27 44 20.74	0.001	09	0.56	53.816	15	98.5	20.80	15	96.4	F2		GC	23238	C -2711527
76		9.4T	11 2.227	0.0021	12	-29 59 30.30	-0.009	10	0.61	2.119	21	98.7	29.79	19	95.1	A0		GC	23242	C*-2913312
77		8.6R	11 4.356	-0.0009	15	-22 31 16.41	0.054	15	0.29	4.371	16	34.0	17.28	16	34.0	F5	J	14	11905	E -2211921
78		6.9T	11 7.176	-0.0001	04	-26 55 35.08	-0.069	04	0.21	7.179	07	03.3	31.74	07	01.6	F0		GC	23244	C -2612012
79		8.7R	11 8.129	-0.0001	12	-28 38 59.01	0.037	12	0.25	8.130	16	34.0	59.60	16	34.0	K0	J	13B	10886	J -2812950
80		9.0R	11 13.349	0.0007	18	-24 19 11.48	-0.001	18	0.33	13.338	16	34.0	11.46	16	34.0	F8	J	14	11906	E -2413222
81		9.2R	11 20.339	-0.0022	18	-26 15 22.67	-0.031	18	0.33	20.373	16	34.0	22.17	16	34.0	K0	M	14	11907	E -2612016
82		8.4A	11 20.684	-0.0007	20	-21 18 12.12	0.003	15	0.32	20.695	16	34.0	12.18	16	34.0	K2	J	13A	7044	A -21 4550
83		9.2R	11 21.751	0.0008	18	-24 15 55.02	0.016	18	0.33	21.738	16	34.0	55.27	16	34.0	K2	M	14	11908	E -2413223
84		8.5R	11 26.781	0.0007	12	-28 21 9.06	0.010	12	0.25	26.769	16	34.0	9.22	16	34.0	K0	J	13B	10889	J -2812956
85		9.8T	11 28.840	0.0027	12	-29 48 7.13	-0.018	11	0.63	28.705	21	00.0	6.17	21	97.7	A3		GC	23246	C -2913318
86		9.4R	11 29.990	-0.0012	18	-23 22 29.11	0.015	18	0.33	30.010	16	34.0	29.35	16	34.0	K0	M	14	11909	E -2313257
87		9.0R	11 35.362	-0.0003	12	-28 51 56.35	0.042	12	0.25	35.366	16	34.0	57.02	16	34.0	F8	J	13B	10890	J -2812959
88		8.9R	11 40.258	-0.0022	15	-25 51 59.52	-0.060	12	0.27	40.292	16	34.0	58.56	16	34.0	F8	J	14	11910	E -2512040
89		8.2R	11 44.497	0.0005	18	-24 0 13.60	0.012	18	0.33	44.489	16	34.0	13.79	16	34.0	A2	J	14	11911	E -2313262
90		8.0Q	11 54.481	0.0005	11	-20 54 47.33	-0.021	08	0.50	54.454	18	00.7	46.24	17	97.2	K2		GC	23256	-20 4685
91		8.7R	11 56.784	0.0020	15	-24 40 17.28	-0.013	15	0.29	56.752	16	34.0	17.06	16	34.0	F5	J	14	11912	E -2413229
92		9.1R	11 58.302	-0.0005	17	-29 38 50.46	-0.070	17	0.31	58.310	16	34.0	49.34	16	34.0	A2	J	13B	10892	J -2913325
93		8.5A	11 59.890	-0.0007	17	-21 59 28.05	-0.021	12	0.28	59.901	16	34.0	27.70	16	34.0	K	J	13A	7048	A -21 4553
94		8.9A	12 5.956	-0.0004	20	-21 52 21.17	-0.057	15	0.32	5.963	16	34.0	20.24	16	34.0	K0	J	13A	7049K	A -21 4554
95		7.7T	12 6.958	0.0036	13	-26 28 30.16	0.025	12	0.62	6.786	12	02.1	31.42	12	00.0	K0		GC	23267	C -2612025
96		8.2A	12 7.136	0.0011	20	-21 18 51.51	0.004	15	0.32	7.119	16	34.0	51.58	16	34.0	F5	J	13A	7051	A -21 4555
97		8.7T	12 13.721	0.0015	12	-27 54 51.28	-0.053	09	0.57	13.645	18	00.4	48.57	18	98.8	G5		GC	23272	C -2711538
98		5.3T	12 16.173	-0.0369	04	-26 31 47.28	-1.132	04	0.22	18.290	07	92.6	-47.85	07	97.5	K0		GC	23273K	C*-2612026
99		5.3T	12 16.220	-0.0345	04	-26 31 52.28	-1.141	03	0.21	18.157	07	93.8	-48.49	07	94.1	K0		GC	23274K	C*-2612026
00		8.9A	12 19.755	-0.0009	15	-20 13 2.77	-0.013	11	0.26	19.768	16	34.0	2.56	16	34.0	F0	J	13A	7052	A -20 4689

-20° 17H

DM NUMBER

185200

EPOCH 1950 — ORIGINAL EPOCH — SOURCE — -20° 17H

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	α_{1950} h m s	μ s	σ_μ .001"	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ .001"	σ_{1950} ″	α_2 s	σ .01"	ep.	δ_2 ″	σ' .01"	ep.	SP.		CAT.	STAR NUMBER	DM NUMBER
1		8.9A	17 12 20.798	-0.0005	20	-20 14 20.42	-0.016	15	0.32	20.806	16	34.0	20.16	16	34.0	A0	J	13A	7053	A -20 4690
2		9.2R	12 23.800	-0.0035	12	-24 56 12.23	0.001	12	0.25	23.856	16	34.0	12.24	16	34.0	G0	M	14	11917	E -2413232
3		9.1R	12 36.603	-0.0012	18	-22 54 16.38	-0.003	18	0.33	36.623	16	34.0	16.33	16	34.0	K2	M	14	11920	J -2211935
4		9.0R	12 38.211	0.0009	12	-29 7 50.01	-0.011	12	0.25	38.197	16	34.0	49.83	16	34.0	K5	M	13B	10900	J -2913335
5		9.0R	12 39.100	0.0020	18	-24 55 57.39	0.012	18	0.33	39.067	16	34.0	57.58	16	34.0	A2	J	14	11919	E -2413235
6		8.9R	12 47.527	0.0013	20	-28 54 0.50	0.015	20	0.35	47.506	16	34.0	0.74	16	34.0	A0	J	13B	10901	J -2812974
7		9.0R	12 54.132	-0.0005	15	-26 4 52.73	-0.001	12	0.27	54.141	16	34.0	52.71	16	34.0	B8	J	14	11921	E -2512054
8		9.1A	12 55.899	0.0007	17	-21 53 30.77	-0.097	12	0.28	55.887	16	34.0	29.21	16	34.0	G5	J	13A	7055	A -21 4557
9		9.6R	12 56.784	0.0018	18	-24 20 45.44	-0.002	18	0.33	56.756	16	34.0	45.40	16	34.0	F5	M	14	11922	E -2413237
10		9.2R	13 4.051	-0.0009	20	-26 12 24.32	0.014	20	0.35	4.065	16	34.0	24.54	16	34.0	K2	M	14	11924	E -2612035
11		9.2R	13 6.764	-0.0016	20	-29 45 1.60	-0.016	20	0.35	6.789	16	34.0	1.34	16	34.0	B9	M	13B	10902	J -2913340
12		9.3R	13 8.069	-0.0007	20	-28 34 36.82	-0.007	20	0.35	8.080	16	34.0	36.71	16	34.0	K2	M	13B	10903	J -2812981
13		6.7T	13 8.682	-0.0359	04	-26 28 33.11	-1.124	04	0.22	10.563	09	97.6	-34.01	09	97.4	K2		GC	23298	C*-2612036
14		9.0R	13 8.893	-0.0001	18	-24 15 21.19	-0.008	18	0.33	8.894	16	34.0	21.06	16	34.0	A5	J	14	11926	E -2413239
15		9.1R	13 18.975	-0.0021	15	-22 6 58.47	-0.025	15	0.29	19.008	16	34.0	58.06	16	34.0	F8	J	14	11929	E -2211941
16		9.0R	13 19.376	0.0007	15	-24 55 35.98	-0.003	15	0.29	19.365	16	34.0	35.92	16	34.0	A0	J	14	11927	E -2413240
17		8.6R	13 21.518	-0.0026	12	-29 40 34.03	-0.037	12	0.25	21.561	16	34.0	33.44	16	34.0	F8	J	13B	10904	J -2913344
18		7.7R	13 22.143	-0.0048	12	-27 30 34.42	-0.138	12	0.25	22.220	16	34.0	32.21	16	34.0	G0	J	13B	10905	J -2711543
19		7.1T	13 22.876	0.0011	08	-25 15 3.30	-0.007	08	0.45	22.818	14	96.9	2.92	14	96.4	K0		GC	23304	C -2512058
20		7.5T	13 24.072	-0.0058	20	-21 48 4.48	-0.165	20	0.95	24.349	15	02.5	-56.56	15	02.1	G0		GC	23305	-21 4559
21		9.1R	13 24.979	-0.0034	21	-28 16 43.96	-0.004	21	0.37	25.034	16	34.0	43.90	16	34.0	A5	J	13B	10906	J -2812985
22		9.3R	13 25.827	0.0016	18	-23 43 1.84	0.022	18	0.33	25.801	16	34.0	2.19	16	34.0	A2	J	14	11930	E -2313283
23		9.0R	13 56.458	0.0008	20	-28 37 26.51	-0.009	20	0.35	56.445	16	34.0	26.36	16	34.0	A3	J	13B	10913	J -2812994
24		9.3R	13 58.502	-0.0000	12	-26 24 34.07	-0.030	12	0.25	58.502	16	34.0	33.59	16	34.0	K0	M	14	11932	E -2612043
25		8.9R	13 58.975	0.0005	18	-22 24 51.83	0.018	18	0.33	58.967	16	34.0	52.11	16	34.0	G0	J	14	11934	E -2211945
26		9.5R	14 3.901	0.0009	18	-22 34 4.81	0.027	18	0.33	3.887	16	34.0	5.24	16	34.0	A2	M	14	11936	E -2211947
27		8.7R	14 6.187	0.0005	18	-24 45 37.28	0.023	18	0.33	6.178	16	34.0	37.64	16	34.0	K2	J	14	11935	E -2413250
28		7.6R	14 19.308	-0.0010	12	-27 42 49.68	-0.024	12	0.25	19.324	16	34.0	49.30	16	34.0	B2	J	13B	10917	J -2711554
29		9.1A	14 26.813	0.0003	17	-20 52 28.06	0.004	13	0.29	26.808	16	34.0	28.13	16	34.0	A3	J	13A	7064	A -20 4703
30		9.2R	14 28.497	-0.0020	13	-29 43 54.92	-0.018	13	0.27	28.529	16	34.0	54.63	16	34.0	F5	M	13B	10918	J -2913354
31		9.0R	14 29.896	0.0012	18	-25 3 6.35	-0.011	18	0.33	29.876	16	34.0	6.18	16	34.0	F2	J	14	11937	E -2413253
32		8.4R	14 31.943	-0.0021	12	-26 53 4.72	-0.062	12	0.25	31.977	16	34.0	3.73	16	34.0	G0	J	13B	10920	J -2813001
33		6.9T	14 32.882	-0.0007	07	-25 34 33.37	-0.039	06	0.37	32.919	12	95.6	31.24	14	95.2	A0		GC	23334K	C*-2612048
34		8.6R	14 45.406	0.0017	18	-27 43 3.13	-0.015	18	0.33	45.379	16	34.0	2.89	16	34.0	B9	J	13B	10922	J -2711560
35		8.4R	14 46.776	0.0013	18	-22 32 54.70	0.016	18	0.33	46.755	16	34.0	54.96	16	34.0	K0	M	14	11939	E -2211950
36		9.0A	14 55.559	-0.0004	20	-20 24 40.44	-0.011	15	0.32	55.566	16	34.0	40.26	16	34.0	A0	J	13A	7066	A -20 4705
37		6.9T	14 57.384	-0.0053	07	-24 13 53.02	-0.010	06	0.38	57.665	14	97.2	52.42	14	92.3	K0		GC	23343K	C*-2413255
38		5.4T	14 57.520	-0.0039	04	-24 14 3.53	-0.010	04	0.21	57.708	07	02.1	3.00	07	99.4	K0		GC	23344K	C*-2413255
39		6.7T	15 3.697	0.0072	04	-24 1 10.20	-0.071	04	0.21	3.353	09	02.1	6.58	07	99.4	G5		GC	23346	C -2313297
40		9.1R	15 4.952	0.0031	12	-29 3 22.76	0.011	12	0.25	4.902	16	34.0	22.94	16	34.0	B3	J	13B	10924	J -2813006
41		9.0R	15 5.889	-0.0002	12	-29 19 9.61	-0.014	12	0.25	5.892	16	34.0	9.39	16	34.0	G0	J	13B	10925	J -2913360
42		9.3R	15 9.917	-0.0004	18	-27 6 5.44	-0.015	18	0.33	9.923	16	34.0	5.20	16	34.0	A2	M	13B	10928	J -2711569
43		7.7T	15 11.562	-0.0008	10	-29 49 18.77	-0.030	08	0.55	11.605	18	96.2	16.96	17	90.4	A2		GC	23351K	C*-2913363
44		9.2R	15 13.213	-0.0001	18	-26 15 46.55	-0.011	18	0.33	13.214	16	34.0	46.72	16	34.0	K	M	14	11945	E -2612057
45		8.5R	15 16.491	0.0023	20	-29 54 50.21	-0.011	20	0.35	16.454	16	34.0	50.03	16	34.0	K5	J	13B	10929	J -2913364
46		9.3R	15 17.303	0.0026	18	-23 34 59.88	0.024	18	0.33	17.261	16	34.0	+ 0.26	16	34.0	K0	M	14	11946	E -2313299
47		8.7R	15 20.030	-0.0010	20	-29 30 9.85	-0.077	20	0.35	20.047	16	34.0	8.62	16	34.0	G0	J	13B	10930	J -2913367
48		8.9A	15 32.746	0.0005	20	-20 45 12.18	-0.005	15	0.32	32.738	16	34.0	12.11	16	34.0	A2	J	13A	7067	A -20 4710
49		9.2R	15 33.565	-0.0151	12	-29 26 8.16	-0.200	12	0.25	33.808	16	34.0	4.95	16	34.0	K0	J	13B	10932	J -2913368
50		9.3R	15 35.996	0.0006	15	-27 24 44.79	-0.001	15	0.29	35.986	16	34.0	44.77	16	34.0	K	M	13B	10933	J -2711574
51		9.2R	17 15 38.769	-0.0026	20	-29 7 46.03	0.010	20	0.35	38.810	16	34.0	46.19	16	34.0	A0	J	13B	10934	J -2913369
52		8.9A	15 39.067	0.0010	17	-21 32 15.64	-0.016	13	0.29	39.051	16	34.0	15.37	16	34.0	B9	J	13A	7068	A -21 4567
53		9.3R	15 45.833	-0.0012	18	-25 7 30.92	-0.006	18	0.33	45.852	16	34.0	30.82	16	34.0	F5	J	14	11947	E -2512078
54		8.7A	15 49.061	-0.0000	17	-20 18 44.63	-0.009	13	0.29	49.061	16	34.0	44.48	16	34.0	K0	J	13A	7069	A -20 4712
55		9.2Q	15 50.073	0.0002	26	-20 35 23.73	0.003	26	1.08	50.063	19	08.8	23.87	19	08.3	K0		GC	23369	-20 4714
56		8.7R	15 50.726	-0.0009	15	-24 23 5.54	-0.016	15	0.29	50.741	16	34.0	5.28	16	34.0	K5	J	14	11948	E -2413262
57		8.6R	15 53.581	0.0006	18	-22 39 21.78	0.000	18	0.33	53.572	16	34.0	21.78	16	34.0	F0	J	14	11951	E -2211966
58		8.3A	15 54.128	-0.0010	18	-20 26 51.96	-0.014	15	0.31	54.144	16	34.0	51.73	16	34.0	F0	J	13A	7072	A -20 4715
59		9.3R	15 56.099	0.0013	15	-23 57 46.89	-0.004	15	0.29	56.078	16	34.0	46.82	16	34.0	A0	J	14	11952	E -2313310
60		9.1R	15 57.422	-0.0005	15	-25 40 12.86	0.002	15	0.29	57.429	16	34.0	12.89	16	34.0	K0	M	14	11950	E -2512079
61		9.0R	16 10.222	-0.0049	18	-24 27 5.87	-0.090	18	0.33	10.301	16	34.0	4.42	16	34.0	G0	J	14	11953	E -2413266
62		9.1R	16 11.609	0.0008	18	-23 32 53.27	-0.016	18	0.33	11.596	16	34.0	53.01	16	34.0	K5	M	14	11955	E -2313313
63		9.4R	16 15.186	-0.0003	18	-22 11 41.87	-0.007	18	0.33	15.192	16	34.0	41.75	16	34.0	K0	M	14	11956	E -2211969
64		9.1R	16 15.334	-0.0013	18	-22 6 10.91	0.033	18	0.33	15.355	16	34.0	11.43	16	34.0	K2	J	14	11957	E -2211970
65		9.1R	16 16.195	0.0004	12	-28 27 48.98	-0.018	12	0.25	16.188	16	34.0	48.69	16	34.0	F8	J	13B	10942	J -2813027
66		8.9A	16 18.097	-0.0051	20	-20 11 5.87	-0.080	15	0.32	18.179	16	34.0	4.59	16	34.0	G5	J	13A	7077	A -20 4722
67		8.5R	16 19.789	0.0022	12	-29 14 34.51	0.021	12	0.25	19.754	16	34.0	34.85	16	34.0	G5	J	13B	10943	J -2913382
68		9.1R	16 28.206	0.0003	12	-29 22 19.48	0.012	12	0.25	28.201	16	34.0	19.67	16	34.0	K0	M	13B	10945	J -2913386
69		8.7R	16 29.266	-0.0008	18	-22 56 26.47	-0.062	18	0.33	29.279	16	34.0	25.48	16	34.0	F8	J	14	11958	E -2211973
70		8.8R	16 44.607	-0.0000	15	-25 58 41.22	0.013	15	0.29	44.607	16	34.0	41.43	16	34.0	K0	J	14	11959	E -2512086
71		9.2R	16 53.430	-0.0020	12	-28 33 20.02	-0.003	12	0.25	53.462	16	34.0	19.97	16	34.0	A0	J	13B	10947	J -2813038
72		8.1R	16 54.316	0.0005	12	-26 33 32.21	-0.046	12	0.25	54.308	16	34.0	31.47	16	34.0	A3	J	14	11960	E -2612078
73		9.2R	16 55.760	0.0017	18	-22 39 9.45	0.001	18	0.33	55.732	16	34.0	9.46	16	34.0	K7	J	14	11961	E -2211980
74		8.3R	16 59.154	-0.0015	12	-27 43 22.71	-0.046	12	0.25	59.177	16	34.0	21.97	16	34.0	A2	J	13B	10948	J -2711584
75		9.4R	17 1.934	0.0022	18	-22 31 21.49	0.003	18	0.33	1.899	16	34.0	21.54	16	34.0	G5	M	14	11962	E*-2211984
76		9.1R	17 3.029	-0.0027	18	-28 2 39.35	-0.058	18	0.33	3.072	16	34.0	38.42	16	34.0	A0	J	13B	10950	J -2711586
77		9.3R	17 14.754	-0.0125	17	-29 13 40.80	-0.141	17	0.31	14.954	16	34.0	38.54	16	34.0	K0	M	13B	10951	J -2913410
78		6.8T	17 16.950	0.0001	11	-29 18 53.66	-0.031	09	0.51	16.946	10	01.0	52.04	12	98.0	A2		GC	23405	C -2913411
79		8.4R	17 21.819	0.0035	12	-29 14 6.77	0.041	12	0.25	21.763	16	34.0	7.43	16	34.0	A0	J	13B	10953	J -2913412
80		9.1A	17 21.965	-0.0020	20	-21 32 33.12	0.012	15	0.32	21.997	16	34.0	33.30	16	34.0	K5	J	13A	7088	A -21 4580
81		8.7R	17 23.836	-0.0016	18	-23 34 0.77	-0.049	18	0.33	23.862	16	34.0	-59.98	16	34.0	G0	J	14	11965	E -2313320
82		7.1T	17 24.250	-0.0009	11	-26 30 0.42	-0.006	08	0.53	24.294	18	99.6	0.10	18	96.4	K0		GC	23414	C -2612081
83		8.9R	17 24.609	0.0060	17	-29 20 56.80	0.032	17	0.31	24.513	16	34.0	57.31	16	34.0	F5	J	13B	10954	J -2913413
84		9.3R	17 30.955	-0.0011	15	-26 59 19.77	0.014	15	0.29	30.973	16	34.0	19.99	16	34.0	K0	M	14	11966	E -2612082
85		9.1R	17 35.025	0.0046	18	-24 39 19.19	0.007	18	0.33	34.951	16	34.0	19.30	16	34.0	G5	M	14	11967	E -2413275
86		8.7R	17 36.623	0.0002	18	-27 35 38.01	-0.036	18	0.33	36.620	16	34.0	37.44	16	34.0	K5	M	13B	10957	J -2711593
87		9.1R	17 39.178	0.0005	18	-24 13 19.34	-0.018	18	0.33	39.170	16	34.0	19.05	16	34.0	B9	J	14	11968	E -2413276
88		9.3R	17 40.837	0.0016	20	-29 23 49.13	0.024	20	0.35	40.811	16	34.0	49.52	16	34.0	K5	M	13B	10958	J -2913418
89		9.1R	17 43.355	-0.0003	17	-29 11 20.55	-0.010	17	0.31	43.360	16	34.0	20.39	16	34.0	F5	J	13B	10959	J -2913419
90		9.2R	17 43.699	0.0007	18	-22 11 18.16	-0.073	18	0.33	43.687	16	34.0	16.98	16	34.0	G0	J	14	11969	E -2211990
91		9.2R	17 51.168	0.0002	18	-24 55 19.21	-0.014	18	0.33	51.164	16	34.0	18.99	16	34.0	F5	J	14	11970	E -2413278
92		9.0R	17 51.293	0.0022	15	-24 30 8.01	-0.104	15	0.29	51.258	16	34.0	6.35	16	34.0	G5	J	14	11971	E -2413280
93		9.5R	17 57.010	0.0006	20	-27 54 31.34	-0.017	20	0.35	56.999	16	34.0	31.07	16	34.0	B8	M	13B	10963	J -2711597
94		9.1A	17 57.294	-0.0015	20	-20 18 38.50	-0.012	15	0.32	57.318	16	34.0	38.30	16	34.0	A0	J	13A	7092	A -20 4732
95		7.6R	17 57.668	-0.0020	18	-27 22 9.58	-0.007	18	0.33	57.701	16	34.0	9.47	16	34.0	G5	J	13B	10964	J -2711598
96		4.5T	18 0.251	0.0165	02	-21 3 39.72	-0.209	02	0.11	-59.402	04	98.7	29.10	04	99.1	F5		GC	23423	B*-20 4731
97		9.0A	18 2.230	-0.0003	17	-21 20 33.40	-0.034	13	0.29	2.234	16	34.0	32.86	16	34.0	G0	J	13A	7094	A -21 4585
98		9.0R	18 2.487	-0.0046	18	-23 7 00.00	-0.069	18	0.33	2.560	16	34.0	58.89	16	34.0	G0	J	14	11973	E -2313326
99		8.4R	18 3.290	0.0079	18	-24 38 4.20	-0.006	18	0.33	3.163	16	34.0	4.10	16	34.0	G5	J	14	11972	E -2413281
00		8.9A	18 5.713	-0.0009	17	-20 25 11.29	-0.013	12	0.28	5.728	16	34.0	11.08	16	34.0	K0	J	13A	7095	A -20 4734

185300

EPOCH 1950 | ORIGINAL EPOCH | SOURCE | -20° 17H

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.		CAT.	STAR NUMBER	DM NUMBER
1		9.5R	17 18 7.554	-0.0027	18	-23 47 2.40	-0.006	18	0.33	7.597	16	34.0	2.49	16	34.0	G0	M	14	11974	E -2313328
2		8.9A	18 8.496	-0.0026	20	-20 26 12.63	-0.030	15	0.32	8.538	16	34.0	12.14	16	34.0	A2	J	13A	7096	A -20 4736
3		9.3R	18 17.740	-0.0002	15	-23 37 56.89	0.015	15	0.29	17.744	16	34.0	57.13	16	34.0	K5	J	14	11977	E -2313331
4		8.1R	18 18.166	-0.0007	20	-26 23 10.39	0.023	20	0.35	18.177	16	34.0	10.76	16	34.0	F0	J	14	11975	E 2612089
5		7.7T	18 19.325	-0.0019	11	-26 27 8.98	-0.026	08	0.53	19.421	18	99.5	7.62	18	97.2	A0		GC	23431	C -2612090
6		9.2R	18 20.654	-0.0014	18	-24 45 23.83	-0.004	18	0.33	20.677	16	34.0	23.76	16	34.0	A0	J	14	11978	E -2413285
7		8.4A	18 22.597	-0.0044	20	-21 30 28.80	-0.010	15	0.32	22.668	16	34.0	28.63	16	34.0	M2	J	13A	7097	A -21 4587
8		8.5R	18 23.812	-0.0007	20	-26 17 19.53	-0.019	20	0.35	23.823	16	34.0	19.23	16	34.0	G5	J	14	11979	E -2612091
9		8.2R	18 28.290	-0.0012	20	-29 40 55.12	-0.026	20	0.35	28.309	16	34.0	54.70	16	34.0	K2	J	13B	10967	J -2913432
10		8.7R	18 29.990	-0.0020	12	-22 52 37.55	-0.016	12	0.25	30.022	16	34.0	37.29	16	34.0	G0	J	14	11980	E -2211996
11		9.1A	18 35.397	-0.0003	20	-21 53 15.83	0.025	15	0.32	35.402	16	34.0	16.22	16	34.0	K2	J	13A	7101	A -21 4588
12		9.0R	18 35.754	-0.0012	20	-22 49 30.81	0.006	20	0.35	35.774	16	34.0	30.91	16	34.0	G0	J	14	11982	E -2211997
13		6.6T	18 37.360	-0.0023	04	-24 51 26.74	-0.040	04	0.23	37.472	09	00.9	24.68	09	98.7	K0		GC	23440	C*-2413288
14		8.4A	18 41.317	-0.0038	17	-20 11 32.11	-0.043	12	0.28	41.378	16	34.0	31.42	16	34.0	G0	J	13A	7102	A -20 4740
15		8.0R	18 47.608	-0.0011	18	-22 42 8.79	-0.038	18	0.33	47.625	16	34.0	8.18	16	34.0	F8	J	14	11984	E -2211998
16		9.0R	18 48.804	-0.0014	18	-25 0 33.36	-0.020	18	0.33	48.825	16	34.0	33.04	16	34.0	G	M	14	11983	E -2413291
17		9.4R	18 50.233	-0.0007	18	-23 46 3.23	0.006	18	0.33	50.245	16	34.0	3.32	16	34.0	F2	J	14	11985	E -2313338
18		7.5A	18 53.103	-0.0005	17	-20 31 17.69	-0.012	12	0.28	53.111	16	34.0	17.50	16	34.0	K2	J	13A	7105	A -20 4742
19		9.0R	18 56.006	-0.0013	20	-29 38 12.76	-0.029	20	0.35	56.027	16	34.0	12.29	16	34.0	F5	M	13B	10969	J -2913439
20		3.4H	18 56.157	-0.0002	01	-24 57 5.20	-0.021	01	0.04	56.165	02	09.8	4.39	02	11.8	B3		F4	644	C -2413292
21		9.0A	19 3.376	-0.0006	17	-21 14 47.46	-0.027	13	0.29	3.385	16	34.0	47.03	16	34.0	K5	J	13A	7106	A -21 4589
22		8.2T	19 3.819	-0.0022	11	-23 31 33.78	-0.004	09	0.56	3.935	18	97.7	33.54	19	95.6	K0		GC	23457	C -2313340
23		8.6A	19 5.292	-0.0005	17	-20 41 37.41	-0.006	12	0.28	5.300	16	34.0	37.32	16	34.0	A0	J	13A	7107K	A -20 4744
24		8.3R	19 8.107	0.0012	20	-27 57 17.18	-0.023	20	0.35	8.087	16	34.0	16.81	16	34.0	A0	J	13B	10974	J -2711604
25		8.9A	19 9.244	0.0003	18	-20 1 33.19	0.003	13	0.31	9.239	18	33.6	33.24	16	33.6	K0	J	12B	7108	A -19 4611
26		9.4R	19 9.801	0.0014	18	-22 57 14.41	0.050	18	0.33	9.778	16	34.0	15.21	16	34.0	K0	M	14	11988	E -2212002
27		8.7R	19 13.454	0.0029	18	-24 54 29.95	-0.011	18	0.33	13.407	16	34.0	29.77	16	34.0	A5	J	14	11989	E -2413296
28		7.8R	19 16.270	-0.0016	12	-26 10 2.49	-0.067	12	0.25	16.296	16	34.0	1.42	16	34.0	K2	J	14	11990	E -2612095
29		9.2R	19 16.292	0.0076	21	-29 5 59.36	-0.022	21	0.37	16.171	16	34.0	59.01	16	34.0	F5	M	13B	10976	J -2913448
30		9.3R	19 19.398	0.0035	20	-27 44 30.30	0.026	20	0.35	19.341	16	34.0	30.72	16	34.0	F0	J	13B	10977	J -2711607
31		9.7R	19 24.095	0.0013	20	-23 46 26.38	0.016	20	0.35	24.074	16	34.0	26.63	16	34.0	K0	M	14	11991	E -2313344
32		9.2A	19 25.863	-0.0014	20	-21 5 41.31	0.004	15	0.32	25.886	16	34.0	41.38	16	34.0	A2	J	13A	7109	A -20 4746
33		8.7R	19 36.445	0.0005	18	-22 39 11.63	0.044	18	0.33	36.437	16	34.0	12.34	16	34.0	A0	J	14	11992	E -2212008
34		8.7A	19 38.310	0.0009	20	-20 46 23.58	0.015	15	0.32	38.296	16	34.0	23.83	16	34.0	K0	J	13A	7113	A -20 4747
35		9.2R	19 40.580	0.0010	18	-22 35 51.14	-0.008	18	0.33	40.564	16	34.0	51.01	16	34.0	G5	M	14	11994	E -2212009
36		8.4R	19 41.189	0.0006	18	-25 30 38.27	0.018	18	0.33	41.180	16	34.0	38.56	16	34.0	B9	J	14	11993	E -2512122
37		8.3A	19 43.802	0.0007	20	-20 10 45.13	-0.023	15	0.32	43.790	16	34.0	44.76	16	34.0	K0	J	13A	7115	A -20 4748
38		9.0R	19 47.010	-0.0012	15	-25 42 6.10	0.032	15	0.29	47.029	16	34.0	6.61	16	34.0	K2	M	14	11995	E -2512123
39		9.0R	19 47.360	-0.0019	18	-24 0 3.61	-0.028	18	0.33	47.390	16	34.0	3.16	16	34.0	K0	J	14	11996	E -2313353
40		8.4R	19 53.207	-0.0002	18	-22 32 2.64	0.030	18	0.33	53.210	16	34.0	3.12	16	34.0	K0	J	14	11997	E -2212011
41		9.3R	19 53.734	0.0013	20	-29 18 22.35	-0.010	20	0.35	53.713	16	34.0	22.19	16	34.0	A0	M	13B	10980	J -2913460
42		9.1R	19 58.015	-0.0020	17	-29 29 14.01	-0.058	17	0.31	58.047	16	34.0	13.08	16	34.0	A3	M	13B	10982	J -2913461
43		8.2A	19 58.664	-0.0006	17	-20 10 7.27	-0.022	12	0.28	58.674	16	34.0	6.91	16	34.0	K0	J	13A	7118	A -20 4750
44		9.0R	20 3.698	0.0006	18	-22 25 55.14	0.028	15	0.29	3.691	16	34.0	55.58	16	34.0	F5	J	14	12001	E -2212014
45		9.5R	20 4.831	-0.0038	18	-23 50 40.09	-0.016	18	0.33	4.892	16	34.0	39.83	16	34.0	K0	J	14	11999	E -2313355
46		7.4T	20 5.127	0.0001	07	-25 3 4.09	0.006	07	0.45	5.122	15	90.8	4.37	15	92.9	A5		GC	23488	C -2413306
47		9.4R	20 5.858	0.0000	18	-24 22 22.87	-0.036	18	0.33	5.858	16	34.0	22.29	16	34.0	A3	J	14	12000	E -2413310
48		9.3R	20 8.757	0.0049	18	-27 55 16.21	-0.033	18	0.33	8.679	16	34.0	15.68	16	34.0	G5	J	13B	10983	J -2711617
49		7.6R	20 11.379	-0.0009	18	-22 57 46.04	0.012	18	0.33	11.393	16	34.0	46.23	16	34.0	B9	J	14	12002	E -2212016
50		5.4T	20 12.591	0.0004	04	-28 5 46.83	-0.032	04	0.21	12.568	07	99.7	45.18	09	98.2	K2		GC	23492	C*-2813081
51		9.2R	17 20 14.861	-0.0047	18	-22 26 17.23	0.043	18	0.33	14.936	16	34.0	17.91	16	34.0	F5	M	14	12003	E -2212020
52		9.0R	20 24.669	0.0013	12	-29 12 0.28	-0.003	12	0.25	24.648	16	34.0	0.23	16	34.0	K0	J	13B	10989	J -2913467
53		8.9R	20 41.379	0.0035	15	-27 22 53.77	0.022	15	0.29	41.323	16	34.0	54.12	16	34.0	K7	M	13B	10994	J -2711627
54		7.6T	20 42.446	-0.0017	16	-29 46 29.86	-0.029	13	0.73	42.528	17	01.5	28.43	15	01.2	K0		GC	23507	C -2913474
55		8.4A	20 48.381	-0.0003	17	-21 35 43.92	-0.000	13	0.29	48.385	16	33.6	43.91	16	33.6	K2	J	13A	7124	A -21 4595
56		8.5R	20 56.750	-0.0009	15	-26 10 38.12	0.010	15	0.29	56.765	16	33.6	38.28	16	33.6	K0	J	14	12004	E -2612105
57		6.7T	21 0.623	0.0008	11	-23 47 55.61	-0.017	08	0.52	0.582	15	97.4	54.64	15	94.2	K0		GC	23512	C -2313366
58		7.7T	21 8.112	-0.0004	20	-29 49 31.65	-0.021	16	0.87	8.130	22	03.6	30.61	21	01.1	B9		GC	23514	C*-2913484
59		9.2R	21 10.876	0.0045	18	-24 54 39.90	0.016	18	0.34	10.802	16	33.6	40.16	16	33.6	G0	J	14	12006	E -2413314
60		8.0T	21 13.552	0.0009	12	-28 36 28.64	0.012	09	0.59	13.507	18	98.0	29.29	17	95.2	B9		GC	23520	C -2813101
61		9.3R	21 21.827	0.0009	18	-23 40 20.13	0.012	18	0.34	21.812	16	33.6	20.32	16	33.6	A0	J	14	12007	E -2313367
62		8.4R	21 22.334	0.0035	18	-22 45 20.70	0.023	18	0.34	22.276	16	33.6	21.08	16	33.6	F5	J	14	12009	E -2212025
63		8.2R	21 27.550	-0.0007	12	-26 52 48.43	-0.017	12	0.25	27.562	16	33.6	48.15	16	33.6	A2	J	14	12008	E -2612112
64		9.0R	21 28.226	0.0000	12	-28 19 31.46	0.025	12	0.25	28.225	16	33.6	31.87	16	33.6	B9	J	13B	11002	J -2813104
65		9.4R	21 30.867	0.0025	18	-22 14 6.12	-0.028	18	0.34	30.826	16	33.6	5.65	16	33.6	K	M	14	12010	E -2212026
66		9.3R	21 37.205	0.0015	18	-27 44 0.69	-0.057	18	0.34	37.181	16	33.6	-59.76	16	33.6	G0	M	13B	11004	J -2711635
67		6.0T	21 42.425	-0.0015	04	-21 23 48.07	-0.030	04	0.18	42.492	06	04.2	46.74	06	05.3	K0		GC	23533K	B*-21 4597
68		8.6A	21 43.986	-0.0024	20	-20 23 31.42	-0.007	15	0.33	44.025	16	33.6	31.31	16	33.6	K0	J	13A	7130	A -20 4762
69		8.5R	21 48.589	-0.0011	18	-23 52 53.84	0.008	18	0.34	48.607	16	33.6	53.96	16	33.6	A0	J	14	12011	E -2313371
70		9.5R	21 53.235	-0.0039	20	-22 45 13.51	0.032	20	0.36	53.299	16	33.6	14.03	16	33.6	G5	J	14	12012	E -2212028
71		8.5R	21 56.801	-0.0002	12	-28 53 12.21	0.014	12	0.25	56.804	16	33.6	12.44	16	33.6	K0	M	13B	11005	J -2813113
72		9.1R	21 57.027	-0.0028	21	-23 48 4.26	-0.013	21	0.38	57.072	16	33.6	4.04	16	33.6	G5	J	14	12013	E -2313373
73		9.4R	21 59.566	-0.0006	18	-23 31 50.49	-0.012	18	0.34	59.576	16	33.6	50.29	16	33.6	A3	J	14	12014	E -2313375
74		6.3T	22 2.652	0.0012	03	-24 11 59.39	0.010	04	0.20	2.593	09	00.3	59.87	09	99.4	K0		GC	23549	C*-2413325
75		8.5R	22 6.821	0.0014	18	-24 33 39.97	0.006	18	0.34	6.799	16	33.6	40.07	16	33.6	B9	M	14	12016	E -2413328
76		9.2R	22 6.895	-0.0016	18	-24 27 40.90	-0.024	18	0.34	6.922	16	33.6	40.50	16	33.6	G	M	14	12017	E -2413327
77		8.5A	22 11.359	-0.0018	17	-21 51 3.39	-0.032	13	0.29	11.368	16	33.6	2.85	16	33.6	F0	J	13A	7132	A -21 4598
78		8.6R	22 11.658	-0.0016	18	-26 6 6.17	-0.082	18	0.34	11.685	16	33.6	4.82	16	33.6	G0	J	14	12018	E -2612121
79		8.7A	22 12.568	-0.0011	17	-20 3 45.19	0.001	13	0.29	12.587	16	33.6	45.21	16	33.6	K0	J	13A	7134	A -19 4622
80		8.8R	22 14.622	0.0027	18	-22 49 37.75	0.016	18	0.34	14.577	16	33.6	38.01	16	33.6	F8	J	14	12019	E -2212033
81		6.7T	22 18.312	0.0001	10	-29 37 37.02	-0.036	09	0.57	18.306	15	94.4	34.94	17	92.7	A2		GC	23558	C -2913510
82		9.5R	22 23.073	0.0013	20	-29 41 49.85	-0.010	20	0.36	23.050	16	33.6	49.68	16	33.6	A0	M	13B	11011	J -2913514
83		9.3R	22 23.944	-0.0013	20	-26 33 52.70	-0.018	20	0.36	23.965	16	33.6	52.40	16	33.6	A2	M	14	12020	E -2612125
84		8.8A	22 27.034	0.0013	20	-20 48 21.80	-0.032	15	0.33	27.013	16	33.6	21.28	16	33.6	B9	J	13A	7136	A -20 4766
85		8.9R	22 29.592	0.0013	20	-29 30 26.21	-0.048	20	0.36	29.569	16	33.6	25.42	16	33.6	F5	J	13B	11013	J -2913517
86		8.7A	22 33.600	-0.0004	20	-20 16 33.08	-0.004	15	0.33	33.606	16	33.6	33.01	16	33.6	A2	J	13A	7140	A -20 4767
87		9.0A	22 34.440	-0.0001	20	-21 8 2.86	-0.021	15	0.33	34.442	16	33.6	3.21	16	33.6	K2	J	13A	7139	A -21 4601
88		8.9R	22 36.122	-0.0015	20	-26 56 53.35	-0.018	20	0.36	36.147	16	33.6	53.05	16	33.6	G5	J	14	12021K	E -2612129
89		8.5A	22 36.710	0.0007	20	-21 35 16.42	-0.045	15	0.33	36.698	16	33.6	15.67	16	33.6	G0	J	13A	7141	A -21 4602
90		9.4R	22 37.963	-0.0031	20	-26 12 0.45	-0.044	20	0.36	38.013	16	33.6	-59.73	16	33.6	K0	M	14	12022	E -2612130
91		8.7R	22 41.335	-0.0023	17	-28 36 38.82	-0.085	17	0.31	41.373	16	33.6	37.42	16	33.6	G5	J	13B	11016	J -2813126
92		9.0R	22 51.705	0.0004	21	-29 45 41.53	-0.064	21	0.38	51.700	16	33.6	40.47	16	33.6	K5	M	13B	11017	J -2913525
93		8.6A	22 52.703	-0.0002	17	-20 44 12.61	-0.033	12	0.28	52.706	16	33.6	12.07	16	33.6	B9	J	13A	7142	A -20 4768
94		7.6R	22 57.542	-0.0126	17	-28 29 56.50	-0.089	17	0.31	57.749	16	33.6	55.04	16	33.6	G5	J	13B	11019	J -2813132
95		7.4T	22 57.657	0.0002	08	-27 33 21.36	-0.031	07	0.40	57.644	10	99.2	19.75	12	98.1	B9		GC	23578K	C -2711652
96		8.9A	22 57.776	-0.0017	18	-21 22 23.25	0.005	15	0.31	57.804	16	33.6	23.34	16	33.6	B8	J	13A	7144	A -21 4604
97		7.9R	22 59.460	-0.0072	18	-23 7 40.15	-0.039	18	0.34	59.579	16	33.6	39.51	16	33.6	F5	J	14	12023	E -2313378
98		9.2R	23 2.461	0.0022	18	-24 32 4.44	0.008	18	0.34	2.425	16	33.6	4.57	16	33.6	K5	J	14	12024	E -2413335
99		9.0R	23 5.109	0.0009	18	-23 50 54.09	-0.008	18	0.34	5.095	16	33.6	53.95	16	33.6	A5	J	14	12025	E -2313379
00		7.3T	23 6.211	-0.0011	10	-28 22 24.61	-0.038	11	0.59	6.269	17	94.6	22.54	18	95.5	F5		GC	23585	C -2813136

185400

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	EPOCH 1950 μ s	EPOCH 1950 σ_μ .001"	EPOCH 1950 δ_{1950} ° ′ ″	EPOCH 1950 μ' ″	EPOCH 1950 $\sigma_{\mu'}$ .001"	EPOCH 1950 σ_{1950} ″	ORIGINAL EPOCH α_2 s	ORIGINAL EPOCH σ .01"	ORIGINAL EPOCH ep.	ORIGINAL EPOCH δ_2 ″	ORIGINAL EPOCH σ' .01"	ORIGINAL EPOCH ep.	SP.		SOURCE CAT.	SOURCE STAR NUMBER	-20° 17H DM NUMBER
1		4.3H	17 23 18.832	0.0000	01	-24 7 52.05	-0.116	01	0.05	18.831	02	12.0	47.77	03	13.2	F0		F4	1457	C -2413337
2		7.6T	23 42.782	0.0013	07	-21 25 38.14	-0.032	06	0.39	42.714	15	99.3	36.42	15	95.5	G5		GC	23609	-21 4607
3		8.9T	23 44.098	0.0024	10	-21 22 17.51	-0.003	10	0.50	43.986	17	04.1	17.39	17	02.6	G5		GC	23610	-21 4608
4		7.4T	23 44.338	0.0003	12	-26 17 24.05	-0.014	09	0.59	44.322	19	96.7	23.29	17	94.8	B9		GC	23611K	C*-2612141
5		9.1R	23 48.102	-0.0057	18	-24 20 28.55	-0.187	18	0.34	48.196	16	33.6	25.47	16	33.6	G0	J	14	12029K	E -2413344
6		6.3T	23 49.390	-0.0020	11	-25 54 4.27	-0.027	08	0.49	49.489	10	00.6	2.88	10	98.1	A0		GC	23612	C -2512160
7		8.8A	23 49.567	0.0001	20	-20 41 55.20	-0.009	15	0.33	49.566	16	33.6	55.06	16	33.6	K5	J	13A	7149	A -20 4770
8		9.2R	23 50.614	0.0002	20	-28 45 0.22	-0.020	20	0.36	50.611	16	33.6	59.89	16	33.6	A0	J	13B	11028	J -2813156
9		9.0R	24 1.919	0.0024	20	-29 53 56.02	-0.159	20	0.36	1.879	16	33.6	53.41	16	33.6	G5	J	13B	11029	J -2913554
10		7.6T	24 6.487	0.0001	12	-28 43 40.94	-0.015	10	0.61	6.483	18	99.4	40.12	18	95.8	A0		GC	23625	C -2813161
11		9.0R	24 7.668	-0.0027	21	-29 28 19.61	-0.005	21	0.38	7.713	16	33.6	19.53	16	33.6	M0	J	13B	11031	J -2913556
12		4.4H	24 9.518	0.0016	02	-29 49 25.26	-0.140	02	0.07	9.462	04	14.2	19.92	04	11.8	F5		F4	646	C -2913557
13		9.5R	24 9.757	0.0024	20	-28 12 2.55	0.049	20	0.36	9.718	16	33.6	3.36	16	33.6	A0	M	13B	11033	J -2813162
14		8.9A	24 15.681	0.0006	17	-20 16 22.86	-0.007	12	0.28	15.671	16	33.6	22.74	16	33.6	B9	J	13A	7152	A -20 4771
15		9.8R	24 23.422	-0.0110	22	-23 24 30.85	-0.097	22	0.40	23.602	16	33.6	29.26	16	33.6			14	12031	E -2313385
16		8.5A	24 24.389	-0.0027	20	-20 28 32.12	-0.022	15	0.33	24.433	16	33.6	31.76	16	33.6	G0	J	13A	7153	A -20 4773
17		5.9T	24 26.074	-0.0005	04	-29 40 58.75	-0.027	05	0.22	26.096	09	05.9	57.59	09	07.5	B9		GC	23637	C -2913563
18		8.6R	24 31.099	0.0003	17	-28 8 18.41	-0.005	17	0.31	31.094	16	33.6	18.33	16	33.6	A0	J	13B	11035	J -2813171
19		8.8R	24 33.162	0.0003	18	-24 37 36.54	-0.008	18	0.34	33.156	16	33.6	36.41	16	33.6	A3	J	14	12032	E -2413353
20		7.8R	24 36.299	-0.0001	20	-28 19 3.01	0.018	20	0.36	36.300	16	33.6	3.30	16	33.6	A0	J	13B	11036	J -2813173
21		8.8R	24 40.155	-0.0135	17	-28 7 44.60	-0.088	17	0.31	40.376	16	33.6	43.16	16	33.6	K0	M	13B	11037	J -2813175
22		9.2R	24 42.459	-0.0046	18	-24 40 59.24	0.026	18	0.34	42.384	16	33.6	59.67	16	33.6	G0	J	14	12033	E -2413355
23		9.2R	24 48.081	-0.0045	20	-29 4 11.06	-0.058	20	0.36	48.154	16	33.6	10.11	16	33.6	G0	M	13B	11039	J -2913572
24		9.4R	24 48.428	-0.0004	12	-25 5 58.48	-0.020	12	0.25	48.434	16	33.6	58.15	16	33.6	A0	J	14	12034	E -2512171
25		9.3R	25 2.683	-0.0004	20	-29 11 21.46	-0.005	20	0.36	2.690	16	33.6	21.38	16	33.6	A0	M	13B	11041	J -2913575
26		9.4R	25 5.277	-0.0000	18	-23 12 4.21	0.025	18	0.34	5.277	16	33.6	4.62	16	33.6			14	12035	E -2313391
27		9.4R	25 10.304	-0.0002	15	-25 11 0.33	-0.011	15	0.29	10.307	16	33.6	0.15	16	33.6	B9	J	14	12036	E -2512177
28		8.1A	25 17.075	-0.0007	17	-20 55 25.66	0.035	13	0.29	17.086	16	33.6	26.24	16	33.6	F8	J	13A	7156K	A -20 4775
29		7.5R	25 17.086	-0.0001	12	-29 1 6.50	-0.005	12	0.25	17.087	16	33.6	6.42	16	33.6	K5	J	13B	11043	J -2813185
30		9.3R	25 24.639	0.0004	20	-28 53 49.37	0.021	20	0.36	24.632	16	33.6	49.71	16	33.6	K0	M	13B	11046	J -2813189
31		8.9R	25 25.472	0.0002	13	-29 5 14.19	-0.006	13	0.27	25.468	16	33.6	14.09	16	33.6	K2	M	13B	11047	J -2913585
32		8.3A	25 25.492	0.0001	20	-20 19 26.05	-0.024	15	0.33	25.491	16	33.6	25.66	16	33.6	K0	J	13A	7157	A -20 4776
33		7.0T	25 33.513	0.0013	08	-25 28 12.34	-0.012	07	0.48	33.439	17	92.6	11.63	15	91.1	F0		GC	23665K	C*-2512179
34		9.4R	25 34.863	0.0007	18	-23 12 7.10	-0.030	18	0.34	34.852	16	33.6	6.61	16	33.6	F8	J	14	12038	E -2313392
35		9.1A	25 34.919	-0.0018	13	-21 23 43.05	-0.007	11	0.25	34.948	16	33.6	42.94	16	33.6	F2	J	13A	7158	A -21 4617
36		8.9R	25 39.910	0.0019	17	-29 33 10.53	0.005	17	0.31	39.880	16	33.6	10.61	16	33.6	A0	J	13B	11051K	J -2913590
37		9.0R	25 40.321	-0.0008	18	-22 32 29.93	-0.024	18	0.34	40.334	16	33.6	29.53	16	33.6	K2	J	14	12040	E -2212048
38		8.4R	25 42.840	0.0025	12	-26 41 21.63	-0.054	12	0.25	42.800	16	33.6	20.74	16	33.6	G0	J	14	12039	E -2612146
39		8.8R	25 47.719	-0.0036	18	-28 48 20.59	-0.003	12	0.25	47.777	16	33.6	20.54	16	33.6	B9	J	13B	11053	J -2813195
40		8.5R	25 49.504	0.0004	18	-23 24 7.43	-0.023	18	0.34	49.498	16	33.6	7.05	16	33.6	K5	J	14	12041	E -2313393
41		9.2R	25 52.156	0.0032	18	-24 42 32.36	0.002	18	0.34	52.104	16	33.6	32.39	16	33.6	K5	M	14	12042	E -2413364
42		8.1R	25 56.549	0.0009	18	-24 17 48.95	-0.018	18	0.34	56.535	16	33.6	48.65	16	33.6	G0	J	14	12043	E -2413366
43		9.0R	25 57.826	0.0008	17	-29 26 40.01	-0.022	17	0.31	57.813	16	33.6	39.65	16	33.6	K2	J	13B	11055	J -2913600
44		9.7R	26 1.004	0.0004	20	-22 18 24.43	0.001	20	0.36	0.998	16	33.6	24.43	16	33.6	A2	J	14	12044	E -2212051
45		8.7R	26 1.510	-0.0011	20	-28 56 1.17	-0.018	20	0.36	1.528	16	33.6	0.87	16	33.6	A3	J	13B	11056	J -2813200
46		9.0R	26 4.602	-0.0221	15	-23 47 44.91	-0.063	15	0.29	4.965	16	33.6	43.87	16	33.6	K5	J	14	12045	E -2313396
47		9.0A	26 16.679	-0.0024	20	-21 12 22.58	0.012	15	0.33	16.717	16	33.6	22.78	16	33.6	F0	J	13A	7162	A -21 4622
48		9.1R	26 25.335	0.0007	17	-28 7 5.46	-0.018	17	0.31	25.323	16	33.6	5.16	16	33.6	K0	M	13B	11060	J -2813206
49		8.5R	26 32.638	-0.0006	12	-28 35 46.79	0.039	12	0.25	32.648	16	33.6	47.43	16	33.6	B8	J	13B	11062	J -2813210
50		9.3R	26 33.760	0.0011	20	-29 37 0.49	-0.049	20	0.36	33.741	16	33.6	59.68	16	33.6	K5	J	13B	11061	J -2913614
51		9.4R	17 26 38.128	0.0024	17	-29 44 32.37	-0.018	17	0.31	38.089	16	33.6	32.07	16	33.6	K2	J	13B	11063	J -2913616
52		9.2R	26 39.431	0.0007	18	-22 22 36.85	-0.002	18	0.34	39.420	16	33.6	36.81	16	33.6	F5	J	14	12046	E -2212058
53		8.9R	26 41.678	-0.0013	17	-28 39 58.81	0.012	17	0.31	41.700	16	33.6	59.01	16	33.6	B9	J	13B	11064	J -2813211
54		9.2R	26 43.946	-0.0023	18	-22 55 29.74	0.006	18	0.34	43.984	16	33.6	29.84	16	33.6	K0	J	14	12047	E -2212059
55		9.0R	26 46.238	0.0001	18	-23 13 25.29	0.023	18	0.34	46.237	16	33.6	25.67	16	33.6	F0	J	14	12048	E -2313401
56		9.0R	26 52.126	-0.0006	20	-28 14 43.45	-0.011	20	0.36	52.135	16	33.6	43.27	16	33.6	K5	M	13B	11065	J -2813214
57		9.5R	26 52.911	-0.0013	18	-26 33 30.37	-0.008	18	0.34	52.932	16	33.6	30.23	16	33.6	K0	M	14	12049	E -2612149
58		9.0R	27 4.570	-0.0013	17	-28 8 8.50	0.005	17	0.31	4.591	16	33.6	8.58	16	33.6	K5	M	13B	11068	J -2813218
59		8.8R	27 4.660	0.0042	15	-22 54 47.25	0.014	15	0.29	4.591	16	33.6	47.48	16	33.6	G0	J	14	12050	E -2212063
60		9.3R	27 6.764	0.0021	18	-23 59 56.43	0.003	18	0.34	6.730	16	33.6	56.47	16	33.6	G5	J	14	12051	E -2313403
61		9.1R	27 11.435	0.0015	20	-29 10 6.21	0.017	20	0.36	11.410	16	33.6	6.49	16	33.6	K0	J	13B	11069	J -2913629
62		9.2R	27 14.779	-0.0033	21	-29 23 30.24	0.032	21	0.38	14.834	16	33.6	30.76	16	33.6	A2	J	13B	11070	J -2913632
63		8.4R	27 25.966	-0.0009	15	-27 9 55.82	0.017	15	0.29	25.981	16	33.6	56.10	16	33.6	F8	J	13B	11073	J -2711692
64		9.2R	27 42.750	0.0017	17	-29 35 59.74	0.009	17	0.31	42.722	16	33.6	59.88	16	33.6	A0	J	13B	11074	J -2913641
65		9.1R	27 43.988	-0.0003	12	-29 0 29.75	0.019	12	0.25	43.993	16	33.6	30.06	16	33.6	F5	J	13B	11075	J -2813231
66		7.4T	27 46.687	-0.0017	08	-23 48 15.63	-0.010	07	0.45	46.782	17	94.8	15.05	17	94.7	F0		GC	23705	C*-2313409
67		8.6R	28 0.858	-0.0028	18	-23 8 17.80	0.006	18	0.34	0.904	16	33.6	17.90	16	33.6	B8	J	14	12054	E -2313410
68		9.1A	28 1.905	-0.0008	17	-22 22 2.78	-0.040	13	0.29	1.918	16	33.6	2.12	16	33.6	G5	J	13A	7169	A -22 4359
69		8.3R	28 10.131	0.0010	18	-23 37 18.56	0.018	18	0.34	10.114	16	33.6	18.85	16	33.6	K5	J	14	12055	E -2313411
70		4.9T	28 21.743	0.0003	02	-23 55 33.04	-0.028	02	0.11	21.730	04	04.2	31.74	04	04.4	A0		GC	23717	C*-2313412
71		8.5R	28 22.615	0.0006	18	-22 14 23.25	0.014	18	0.34	22.605	16	33.6	23.47	16	33.6	K2	J	14	12057	E -2212074
72		8.8A	28 27.742	-0.0041	20	-20 50 45.85	-0.040	15	0.33	27.809	16	33.6	45.20	16	33.6	G5	J	13A	7173	A -20 4784
73		9.1A	28 34.712	-0.0012	20	-22 0 46.05	0.006	15	0.33	34.732	16	33.6	46.14	16	33.6	B9	J	13A	7174	A -21 4631
74		6.0T	28 37.915	-0.0002	05	-26 13 59.78	-0.026	05	0.24	37.924	07	02.4	58.54	09	02.0	B9		GC	23725	C -2612152
75		9.3R	28 38.085	0.0020	20	-29 36 40.37	-0.069	20	0.36	38.052	16	33.6	39.23	16	33.6	B3	J	13B	11091	J -2913662
76		9.3R	28 41.066	-0.0071	18	-23 32 3.64	-0.008	18	0.34	41.183	16	33.6	3.50	16	33.6	K2	J	14	12059	E -2313413
77		9.0R	28 43.627	-0.0031	20	-28 59 58.58	0.037	20	0.36	43.678	16	33.6	59.19	16	33.6	K0	M	13B	11094	J -2813256
78		9.3R	28 43.972	0.0000	18	-27 17 14.84	-0.021	18	0.34	43.970	16	33.6	14.49	16	33.6	A0	M	13B	11095	J -2711703
79		9.2R	28 44.434	-0.0022	18	-23 3 6.71	0.017	18	0.34	44.470	16	33.6	6.99	16	33.6	A3	J	14	12060	E -2212077
80		8.7R	28 47.202	-0.0065	20	-28 4 56.91	-0.022	20	0.36	47.308	16	33.6	56.55	16	33.6	G0	J	13B	11097	J -2813259
81		8.5R	28 55.148	-0.0017	12	-28 47 57.82	-0.006	12	0.25	55.175	16	33.6	57.72	16	33.6	K0	J	13B	11098	J -2813260
82		8.7R	28 57.765	0.0009	17	-28 4 46.91	-0.002	12	0.28	57.749	16	33.6	46.88	16	33.6	K7	M	13B	11099	J -2813262
83		8.6A	29 0.717	0.0011	20	-20 10 3.28	-0.021	15	0.33	0.699	16	33.6	2.93	16	33.6	K2	J	13A	7176	A -20 4785
84		8.7A	29 6.790	-0.0102	17	-20 32 48.20	-0.049	13	0.29	6.957	16	33.6	47.40	16	33.6	G0	J	13A	7178	A -20 4786
85		9.1A	29 7.875	-0.0012	17	-21 10 58.84	-0.057	12	0.28	7.895	16	33.6	57.91	16	33.6	G5	J	13A	7177	A -21 4633
86		9.6R	29 13.098	-0.0041	18	-23 7 49.86	-0.004	18	0.34	13.166	16	33.6	49.79	16	33.6	F5	M	14	12062	E -2313415
87		9.3R	29 24.297	-0.0003	18	-23 58 53.01	0.026	18	0.34	24.302	16	33.6	53.43	16	33.6	K2	M	14	12063	E -2313417
88		9.2R	29 34.593	-0.0015	17	-28 55 59.32	-0.022	17	0.31	34.618	16	33.6	58.96	16	33.6	G5	J	13B	11102	J -2813274
89		8.2A	29 39.328	-0.0011	20	-21 50 19.06	-0.017	15	0.33	39.347	16	33.6	19.34	16	33.6	G5	J	13A	7179	A -21 4638
90		7.0T	29 51.907	-0.0004	10	-29 36 58.61	-0.002	08	0.48	51.927	12	99.9	58.49	12	97.3	B8		GC	23755	C*-2913694
91		8.6R	29 53.059	0.0000	12	-29 5 10.62	0.001	12	0.25	53.058	16	33.6	10.63	16	33.6	K0	J	13B	11109	J -2913695
92		9.2R	29 55.261	-0.0032	17	-28 24 21.68	0.005	17	0.31	55.312	16	33.6	21.76	16	33.6	G0	M	13B	11111	J -2813281
93		9.3R	29 56.192	0.0019	20	-29 44 13.17	-0.001	20	0.36	56.161	16	33.6	13.15	16	33.6	B3	J	13B	11110	J -2913696
94		8.5R	29 56.663	-0.0024	18	-24 17 13.51	-0.121	18	0.34	56.703	16	33.6	11.52	16	33.6	F5	J	14	12064	E -2413380
95		9.1R	29 59.202	0.0025	18	-25 0 45.74	-0.006	18	0.34	59.161	16	33.6	45.64	16	33.6	G0	J	14	12065	E -2413381
96		8.6T	30 0.786	0.0015	22	-21 47 37.95	-0.183	20	0.99	0.719	19	05.0	29.33	18	03.0	G0		GC	23761	-21 4645
97		9.1R	30 8.976	0.0007	15	-24 6 31.28	-0.010	15	0.29	8.965	16	33.6	31.10	16	33.6	F5	J	14	12066	E -2413382
98		8.9A	30 9.596	-0.0007	17	-21 43 37.38	-0.018	13	0.29	9.608	16	33.6	37.08	16	33.6	A0	J	13A	7181	A -21 4641
99		8.8R	30 12.461	0.0013	12	-27 26 6.03	-0.050	12	0.25	12.440	16	33.6	5.21	16	33.6	G0	J	13B	11114	J -2711713
00		8.9A	30 20.961	0.0010	18	-21 16 12.41	-0.049	15	0.31	20.944	16	33.6	11.61	16	33.6	G0	J	13A	7183	A -21 4644

185500 — EPOCH 1950 — ORIGINAL EPOCH — SOURCE — -20° 17H

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	α_{1950} h m s	μ s	σ_μ ″ .001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″ .001	σ_{1950} ″	α_2 s	σ ″ .01	ep.	δ_2 ″	σ' ″ .01	ep.	SP.		CAT.	STAR NUMBER	DM NUMBER
1		9.0R	17 30 25.421	0.0064	18	-24 2 11.99	-0.069	18	0.34	25.316	16	33.6	10.84	16	33.6	G0	J	14	12067	E -2313424
2		9.3R	30 26.135	-0.0033	20	-28 53 9.79	0.005	20	0.36	26.195	16	33.6	9.87	16	33.6	G	M	13B	11118	J -2813288
3		8.7A	30 26.921	0.0007	20	-20 44 41.35	-0.110	15	0.33	26.910	16	33.6	39.56	16	33.6	G5	J	13A	7184	A -20 4790
4		8.9R	30 31.690	0.0017	18	-22 36 52.32	-0.008	18	0.34	31.662	16	33.6	52.19	16	33.6	A2	J	14	12070	E -2212094
5		8.9R	30 32.066	0.0026	18	-23 56 46.95	-0.006	18	0.34	32.023	16	33.6	46.84	16	33.6	K0	J	14	12069	E -2313425
6		7.8T	30 33.851	-0.0004	11	-22 8 16.04	-0.012	08	0.53	33.872	17	99.2	15.38	17	97.1	K5		GC	23782	-22 4366
7		9.1R	30 43.012	0.0004	20	-29 21 53.86	-0.011	20	0.36	43.006	16	33.6	53.68	16	33.6	K5	J	13B	11119	J -2913716
8		8.5R	30 43.433	0.0016	17	-29 11 23.64	0.010	17	0.31	43.407	16	33.6	23.80	16	33.6	K5	J	13B	11120	J -2913717
9		9.3R	30 43.434	-0.0001	18	-22 56 39.93	0.021	18	0.34	43.436	16	33.6	40.28	16	33.6	A0	J	14	12072	E -2212097
10		8.9R	30 54.739	0.0023	18	-23 2 20.00	0.018	18	0.34	54.701	16	33.6	20.30	16	33.6	G5	J	14	12073	E -2212100
11		8.9A	30 59.619	0.0022	17	-21 9 24.61	-0.018	13	0.29	59.584	16	33.6	24.32	16	33.6	K2	J	13A	7192	A -21 4647
12		7.2T	31 0.427	-0.0020	09	-22 59 50.95	-0.091	09	0.50	0.535	17	95.2	46.16	17	97.4	F0		GC	23793	B+-22 4369
13		9.3R	31 5.285	-0.0004	18	-23 11 59.59	-0.009	18	0.34	5.292	16	33.6	59.44	16	33.6	A2	J	14	12075	E -2313431
14		8.2R	31 10.135	0.0024	18	-24 50 34.39	-0.011	18	0.34	10.096	16	33.6	34.21	16	33.6	K5	J	14	12076	E -2413386
15		9.1R	31 11.550	-0.0005	18	-22 11 20.35	0.029	18	0.34	11.557	16	33.6	20.82	16	33.6	B9	J	14	12077	E -2212105
16		8.8A	31 25.594	-0.0004	17	-20 4 13.19	-0.003	12	0.28	25.601	16	33.6	13.14	16	33.6	A0	J	13A	7196	A -20 4797
17		9.2R	31 28.896	-0.0037	17	-28 27 5.23	-0.037	17	0.31	28.958	16	33.6	4.62	16	33.6	K0	M	13B	11130	J -2813305
18		8.5R	31 29.064	0.0018	12	-29 13 23.65	-0.006	12	0.25	29.035	16	33.6	23.55	16	33.6	K2	J	13B	11129	J -2913735
19		8.4R	31 39.130	0.0023	12	-26 42 25.63	0.014	12	0.25	39.092	16	33.6	25.86	16	33.6	F5	J	14	12078	E -2612163
20		8.5A	31 41.350	0.0011	20	-20 15 15.57	-0.013	15	0.33	41.332	16	33.6	15.36	16	33.6	K0	J	13A	7199	A -20 4802
21		8.9R	31 43.544	-0.0028	20	-29 6 54.51	-0.058	20	0.36	43.591	16	33.6	53.55	16	33.6	G0	J	13B	11132	J -2913743
22		9.5R	31 54.742	-0.0113	12	-25 24 36.69	-0.179	12	0.25	54.927	16	33.6	33.75	16	33.6	F8	M	14	12079	E -2512189
23		8.8A	31 59.568	0.0003	17	-21 10 57.32	-0.022	13	0.29	59.563	16	33.6	56.97	16	33.6	K5	J	13A	7200	A -21 4654
24		8.2R	32 1.062	-0.0010	12	-28 10 16.91	-0.004	12	0.25	1.079	16	33.6	16.84	16	33.6	K0	J	13B	11136	J -2813313
25		9.0A	32 14.978	0.0001	17	-21 51 22.14	-0.001	12	0.28	14.976	16	33.6	22.12	16	33.6			13A	7203	A -21 4657
26		6.6T	32 17.858	-0.0003	03	-22 0 42.88	-0.011	04	0.19	17.873	07	01.4	42.32	07	01.2	A0		GC	23826	B+-21 4659
27		9.5R	32 18.009	-0.0012	15	-27 19 56.92	0.014	15	0.29	18.029	16	33.6	57.15	16	33.6	F5	M	13B	11141	J -2711732
28		9.0R	32 20.142	0.0033	20	-29 40 14.01	-0.010	20	0.36	20.089	16	33.6	13.85	16	33.6	+++	J	13B	11140	J+-2913756
29		9.9R	32 25.758	0.0015	18	-23 45 53.02	-0.002	18	0.34	25.733	16	33.6	52.98	16	33.6	A3	J	14	12080	E -2313441
30		8.5R	32 28.941	0.0004	18	-23 35 21.32	0.015	18	0.34	28.935	16	33.6	21.56	16	33.6	K0	J	14	12081	E -2313442
31		9.0R	32 29.370	-0.0030	18	-23 30 52.34	0.007	18	0.34	29.419	16	33.6	52.44	16	33.6	K2	M	14	12083	E -2313443
32		7.9T	32 30.108	-0.0042	10	-24 35 44.35	-0.071	08	0.46	30.312	10	01.1	40.77	10	99.6	F5		GC	23832	C -2413393
33		8.8A	32 36.281	0.0003	17	-20 58 3.32	-0.007	13	0.29	36.276	16	33.6	3.22	16	33.6	F5	J	13A	7206	A -20 4808
34		9.0R	32 39.103	0.0006	12	-28 54 42.84	-0.007	12	0.25	39.096	16	33.6	42.73	16	33.6	K5	M	13B	11143	J -2813325
35		8.6A	32 40.401	0.0022	20	-20 46 42.25	-0.008	15	0.33	40.366	16	33.6	42.12	16	33.6	A0	J	13A	7208	A -20 4810
36		9.1R	32 44.115	0.0029	15	-27 2 11.85	0.008	15	0.29	44.068	16	33.6	11.99	16	33.6	F8	M	13B	11147	J -2612174
37		9.3R	32 45.569	-0.0002	20	-29 17 41.36	0.016	20	0.36	45.573	16	33.6	41.62	16	33.6	B3	J	13B	11146	J -2913763
38		8.5A	32 49.375	0.0007	17	-21 10 10.48	-0.006	13	0.29	49.363	16	33.6	10.39	16	33.6	K2	J	13A	7209	A -21 4662
39		8.7A	32 56.430	0.0008	17	-20 14 21.36	-0.014	12	0.28	56.417	16	33.6	21.13	16	33.6	K0	J	13A	7210	A -20 4812
40		8.6R	33 0.908	-0.0011	18	-22 30 42.10	-0.003	18	0.34	0.927	16	33.6	42.06	16	33.6	B9	J	14	12084	E -2212123
41		8.7A	33 10.611	0.0006	20	-20 20 20.93	0.001	15	0.33	10.600	16	33.6	20.95	16	33.6	K0	J	13A	7213	A -20 4813
42		9.2R	33 12.209	0.0032	20	-29 8 40.46	-0.032	20	0.36	18.237	16	33.6	39.93	16	33.6	F8	J	13B	11150	J -2913774
43		9.2A	33 22.652	-0.0058	18	-21 55 53.58	0.040	15	0.31	22.748	16	33.6	54.23	16	33.6	G5	J	13A	7214	A -21 4665
44		8.5A	33 24.049	-0.0004	20	-20 56 48.55	-0.015	15	0.33	24.056	16	33.6	48.31	16	33.6	K5	J	13A	7215	A -20 4814
45		8.5R	33 27.889	0.0015	18	-22 24 38.43	0.003	18	0.34	27.864	16	33.6	38.48	16	33.6	B9	J	14	12085	E -2212130
46		9.4R	33 31.684	-0.0004	15	-23 43 25.29	-0.018	15	0.29	31.690	16	33.6	24.99	16	33.6	A5	J	14	12086	E -2313454
47		8.2A	33 38.850	-0.0006	17	-20 2 49.01	-0.063	13	0.29	38.859	16	33.6	47.98	16	33.6	F5	J	13A	7217	A -19 4665
48		8.4A	33 47.053	0.0006	17	-20 55 34.19	-0.021	12	0.28	47.043	16	33.6	33.85	16	33.6	A2	J	13A	7218K	A -20 4818
49		8.5R	33 56.562	0.0017	12	-27 4 8.19	0.001	12	0.25	56.534	16	33.6	8.20	16	33.6	K2	J	13B	11157	J -2711750
50		9.1R	33 59.801	0.0040	12	-29 50 2.64	-0.015	12	0.25	59.735	16	33.6	2.39	16	33.6	K0	J	13B	11156	J -2913787
51		9.3R	17 34 3.200	0.0021	17	-29 42 46.07	-0.001	17	0.31	3.165	16	33.6	46.05	16	33.6	K0	J	13B	11159	J -2913788
52		8.5R	34 11.783	0.0056	18	-24 33 51.78	0.072	18	0.34	11.691	16	33.6	52.96	16	33.6	F8	J	14	12087	E -2413400
53		9.1R	34 15.801	-0.0002	18	-24 32 7.18	-0.000	18	0.34	15.804	16	33.6	7.18	16	33.6	F2	J	14	12088	E -2413401
54		9.4R	34 18.585	0.0004	15	-23 32 25.84	-0.006	15	0.29	18.579	16	33.6	25.73	16	33.6	B9	J	14	12089	E -2313464
55		9.1A	34 20.011	0.0007	17	-21 30 34.96	-0.006	13	0.29	19.999	16	33.6	34.86	16	33.6	A0	J	13A	7222	A -21 4670
56		8.9R	34 21.486	-0.0025	17	-28 12 58.42	0.044	17	0.31	21.528	16	33.6	59.14	16	33.6	G5	J	13B	11161	J -2813354
57		9.2R	34 28.903	-0.0038	18	-26 46 6.78	-0.058	18	0.34	28.966	16	33.6	5.83	16	33.6	F8	M	14	12090	E -2612192
58		8.1A	34 32.009	0.0006	15	-20 39 37.10	-0.026	11	0.26	32.001	16	33.6	36.68	16	33.6	G5	J	13A	7223	A -20 4823
59		8.5R	34 32.707	-0.0008	20	-28 37 3.38	0.001	20	0.36	32.721	16	33.6	3.39	16	33.6	B9	J	13B	11162	J -2813358
60		9.0A	34 34.068	-0.0016	17	-20 1 30.74	-0.015	13	0.29	34.095	16	33.6	30.49	16	33.6	A0	J	13A	7224K	A -19 4672
61		9.2R	34 34.232	0.0007	15	-26 43 16.55	-0.020	15	0.29	34.221	16	33.6	16.23	16	33.6	A0	J	14	12091	E -2612194
62		8.0T	34 34.935	0.0017	10	-28 24 30.73	-0.011	08	0.51	34.839	15	96.2	30.12	15	93.6	A0		GC	23877	C -2813359
63		8.9A	34 40.189	0.0020	20	-21 0 36.27	0.030	15	0.33	40.156	16	33.6	36.77	16	33.6	A0	J	13A	7225	A -20 4825
64		8.7A	34 42.464	-0.0003	18	-21 13 39.55	0.008	15	0.31	42.469	16	33.6	39.68	16	33.6	F0	J	13A	7226	A -21 4674
65		9.8R	34 43.142	-0.0055	22	-24 46 22.13	0.040	22	0.40	43.233	16	33.6	22.79	16	33.6	K	M	14	12092	E -2413403
66		9.0R	34 44.090	0.0021	18	-24 41 4.91	0.003	18	0.34	44.055	16	33.6	4.96	16	33.6	K0	J	14	12093	E -2413404
67		9.3R	34 45.517	-0.0005	21	-29 26 50.44	-0.001	21	0.38	45.526	16	33.6	50.42	16	33.6	A0	J	13B	11166	J -2913806
68		8.5R	34 46.460	-0.0012	20	-28 7 25.52	-0.058	20	0.36	46.479	16	33.6	24.57	16	33.6	K0	J	13B	11167	J -2813363
69		8.6R	34 50.137	0.0001	15	-24 56 13.53	0.005	15	0.29	50.136	16	33.6	13.61	16	33.6	B8	J	14	12095	E -2413405
70		9.1R	34 52.879	0.0020	13	-29 4 57.21	0.011	13	0.27	52.847	16	33.6	57.39	16	33.6			13B	11168	J -2913812
71		9.1R	34 57.186	0.0030	18	-24 55 16.32	0.027	18	0.34	57.137	16	33.6	16.76	16	33.6	K0	J	14	12096K	E -2413407
72		8.2R	35 2.430	-0.0003	18	-22 33 11.73	-0.013	18	0.34	2.435	16	33.6	11.51	16	33.6	F0	J	14	12098	E -2212143
73		7.0T	35 2.894	0.0006	10	-28 1 5.07	-0.009	09	0.54	2.860	15	96.2	4.55	17	90.7	K5		GC	23888	C -2711764
74		9.0R	35 3.659	0.0002	18	-23 5 38.47	-0.001	18	0.34	3.657	16	33.6	38.46	16	33.6	K5	J	14	12099	E -2313472
75		8.7A	35 8.217	-0.0015	20	-21 32 52.95	0.029	15	0.33	8.241	16	33.6	53.42	16	33.6	F8	J	13A	7229	A -21 4677
76		9.5R	35 9.077	-0.0007	18	-23 16 43.50	0.049	18	0.34	9.089	16	33.6	44.30	16	33.6	B9	J	14	12100	E -2313474
77		8.9A	35 10.226	-0.0017	17	-20 31 40.31	0.004	13	0.29	10.254	16	33.6	40.38	16	33.6	K0	J	13A	7230	A -20 4828
78		9.3R	35 13.054	-0.0012	12	-28 14 47.94	0.005	12	0.25	13.073	16	33.6	48.02	16	33.6	A0	J	13B	11171	J -2813376
79		9.3R	35 14.419	-0.0069	21	-27 20 49.51	-0.025	21	0.38	14.533	16	33.6	49.10	16	33.6	B	M	13B	11172	J -2711769
80		9.4R	35 14.563	0.0013	18	-23 30 26.44	0.013	18	0.34	14.542	16	33.6	26.65	16	33.6	K2	J	14	12101	E -2313475
81		9.1R	35 15.156	0.0007	18	-22 43 53.96	-0.026	18	0.34	15.144	16	33.6	53.53	16	33.6	K0	J	14	12102	E -2212147
82		9.0R	35 18.213	0.0002	18	-23 10 47.07	-0.025	18	0.34	18.210	16	33.6	46.67	16	33.6	A5	J	14	12103K	E -2313477
83		8.9R	35 42.513	0.0007	18	-24 0 50.25	-0.029	18	0.34	42.501	16	33.6	49.76	16	33.6	A5	J	14	12104	E -2313482
84		6.7T	35 44.442	-0.0021	04	-21 53 5.70	-0.014	04	0.18	44.534	06	06.5	5.07	07	06.1	G0		GC	23905	B+-21 4682
85		8.9A	35 46.425	0.0002	20	-20 55 58.19	-0.010	15	0.33	46.422	16	33.6	58.03	16	33.6	B8	J	13A	7233	A -20 4830
86		9.0A	35 49.549	-0.0006	18	-21 37 41.92	-0.019	15	0.31	49.559	16	33.6	41.60	16	33.6	K5	J	13A	7234	A -21 4684
87		8.9A	35 49.857	0.0022	17	-20 42 44.99	-0.032	12	0.28	49.821	16	33.6	44.47	16	33.6	F0	J	13A	7235	A -20 4831
88		7.4T	35 51.132	-0.0069	10	-28 23 2.51	-0.069	08	0.46	51.463	10	01.7	-59.07	12	00.0	F5		GC	23906	C -2813387
89		7.5R	35 58.420	-0.0019	12	-26 54 33.27	-0.070	12	0.25	58.451	16	33.6	32.12	16	33.6	G0	J	14	12105	E -2612213
90		8.6R	36 2.045	0.0033	18	-27 24 53.51	-0.036	18	0.34	1.991	16	33.6	52.93	16	33.6	A0	J	13B	11178	J -2711783
91		6.8T	36 8.998	0.0002	13	-29 30 13.83	-0.018	09	0.57	8.989	12	02.2	12.91	12	99.4	K0		GC	23911	C -2913629
92		9.3R	36 10.304	-0.0017	18	-23 27 10.93	-0.008	18	0.34	10.332	16	33.6	10.80	16	33.6	K2	J	14	12106	E -2313486
93		9.2R	36 11.339	-0.0002	20	-28 22 0.57	0.000	20	0.36	11.342	16	33.6	0.57	16	33.6	A0	J	13B	11181	J -2813397
94		7.5T	36 14.810	0.0012	12	-29 55 57.80	0.003	09	0.62	14.749	21	98.9	57.96	18	92.8	B8		GC	23913	C -2913630
95		8.7R	36 18.766	-0.0046	20	-29 19 0.73	0.025	20	0.36	18.846	16	33.6	1.14	16	33.6	A0	J	13B	11183	J -2913632
96		8.8A	36 19.027	0.0020	20	-20 40 55.62	-0.008	15	0.33	18.994	16	33.6	55.49	16	33.6	B8	J	13A	7238	A -20 4833
97		9.2R	36 20.403	-0.0005	21	-29 8 17.50	-0.027	21	0.38	20.412	16	33.6	17.06	16	33.6	K0	J	13B	11184	J -2913833
98		9.1R	36 20.864	-0.0017	18	-23 57 38.57	-0.022	18	0.34	20.891	16	33.6	38.21	16	33.6	K0	M	14	12107	E -2313490
99		9.0A	36 29.799	0.0006	13	-21 27 34.21	-0.003	09	0.25	29.789	16	33.6	34.17	16	33.6	K0	J	13A	7240	A -21 4688
00		9.3R	36 35.630	0.0021	18	-23 39 20.49	0.016	18	0.34	35.596	16	33.6	20.75	16	33.6	A2	J	14	12108	E -2313495

185600

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	CAT.	SOURCE STAR NUMBER	-20° 17H DM NUMBER
1		9.5R	17 36 41.163	0.0031	18	-24 26 16.08	0.002	18	0.34	41.113	16	33.6	16.10	16	33.6	B8 J	14	12109	E -2413417
2		8.0R	36 53.618	-0.0010	18	-23 2 5.50	-0.044	18	0.34	53.635	16	33.6	4.79	16	33.6	G0 J	14	12110	E -2212161
3		9.5R	37 8.480	0.0002	18	-24 15 48.94	-0.003	18	0.34	8.478	16	33.6	48.89	16	33.6	B9 J	14	12111	E -2413419
4		7.0T	37 13.476	0.0017	10	-28 53 50.05	0.007	09	0.57	13.381	17	95.7	50.46	17	91.8	B8	GC	23943	C* -2813418
5		9.3R	37 18.564	0.0003	15	-26 28 20.87	0.027	15	0.29	18.559	16	33.6	21.31	16	33.6	A0 J	14	12112	E -2612233
6		8.6R	37 29.236	0.0028	12	-25 35 55.36	-0.013	12	0.25	29.190	16	33.6	55.16	16	33.6	F2 J	14	12113	E -2512206
7		8.1T	37 34.082	0.0022	11	-27 52 3.10	-0.017	10	0.61	33.967	21	98.5	2.18	19	95.7	B9	GC	23952	C -2711796
8		8.9R	37 36.865	0.0019	18	-28 0 18.20	0.006	18	0.34	36.834	16	33.6	18.30	16	33.6	F5 J	13B	11196	J -2711798
9		8.5R	37 41.330	0.0033	12	-29 34 28.76	-0.002	12	0.25	41.277	16	33.6	28.73	16	33.6	K0 J	13B	11197	J -2913853
10		8.3R	37 44.233	-0.0029	15	-27 22 13.89	-0.009	15	0.29	44.281	16	33.6	13.75	16	33.6	M2 M	13B	11198	J -2711801
11		8.0T	37 46.705	-0.0000	10	-23 48 39.63	0.001	08	0.45	46.705	10	02.2	39.66	10	00.3	B8	GC	23958	C -2313501
12		9.5R	37 47.999	0.0004	18	-27 34 52.37	-0.024	18	0.34	47.992	16	33.6	51.98	16	33.6	A0 M	13B	11199	J -2711803
13		9.4R	37 49.453	-0.0056	18	-22 16 38.60	-0.008	18	0.34	49.545	16	33.6	38.47	16	33.6	G0 J	14	12115	E -2212171
14		9.0R	37 51.397	0.0001	18	-28 2 52.49	-0.039	18	0.34	51.395	16	33.6	51.85	16	33.6	A0 J	13B	11200	J -2711805
15		8.6A	37 52.108	0.0005	20	-20 50 20.99	0.007	15	0.33	52.100	16	33.6	21.11	16	33.6	A5 J	13A	7244	A -20 4842
16		9.4R	37 57.947	0.0018	18	-23 58 45.88	0.014	18	0.34	57.917	16	33.6	46.10	16	33.6	A2 J	14	12116	E -2313505
17		8.9R	38 5.575	-0.0015	18	-23 26 58.02	0.023	18	0.34	5.600	16	33.6	58.39	16	33.6	G5 J	14	12117	E -2313506
18		9.5R	38 9.961	0.0006	18	-24 24 22.93	-0.002	18	0.34	9.952	16	33.6	22.89	16	33.6	G5 M	14	12118	E -2413428
19		9.0R	38 14.594	0.0028	12	-28 40 40.64	0.002	12	0.25	14.549	16	33.6	40.67	16	33.6	B9 J	13B	11205	J -2813436
20		9.1A	38 14.859	-0.0007	18	-21 15 4.49	-0.015	15	0.31	14.871	16	33.6	4.25	16	33.6	A2 J	13A	7247	A -21 4698
21		9.3R	38 20.501	0.0021	12	-28 30 57.41	0.020	12	0.25	20.467	16	33.6	57.74	16	33.6	K0 J	13B	11206	J -2813437
22		8.9R	38 29.389	0.0027	17	-29 59 20.36	-0.037	17	0.31	29.344	16	33.6	19.75	16	33.6	A0 J	13B	11208	J -2913868
23		8.8A	38 30.202	0.0023	20	-21 55 12.66	0.001	15	0.33	30.163	16	33.6	12.67	16	33.6	A0 J	13A	7252	A -21 4701
24		9.2R	38 31.416	0.0003	15	-27 52 56.23	-0.019	15	0.29	31.412	16	33.6	55.92	16	33.6	K0 M	13B	11209	J -2711822
25		8.9R	38 45.373	0.0026	18	-22 57 6.43	0.004	18	0.34	45.330	16	33.6	6.49	16	33.6	K0 J	14	12120	E -2212182
26		8.7R	38 47.187	-0.0036	12	-29 4 5.56	-0.012	12	0.25	47.247	16	33.6	5.36	16	33.6	F5 J	13B	11212	J -2913875
27		9.3R	38 54.854	-0.0008	15	-25 49 49.23	-0.007	15	0.29	54.868	16	33.6	49.12	16	33.6	K2 M	14	12121	E -2512220
28		8.8R	38 56.765	-0.0013	18	-22 17 20.91	-0.087	18	0.34	56.786	16	33.6	19.48	16	33.6	G0 J	14	12124	E -2212183
29		9.4R	38 57.535	0.0010	12	-25 36 20.91	-0.012	12	0.25	57.520	16	33.6	20.72	16	33.6	K0 M	14	12123	E -2512222
30		8.2R	38 57.814	-0.0004	18	-26 49 17.69	-0.033	18	0.34	57.820	16	33.6	17.16	16	33.6	F0 J	14	12122	E -2612252
31		9.2A	39 12.356	-0.0001	20	-22 7 8.40	0.063	15	0.33	12.357	16	33.6	9.43	16	33.6	K0 J	13A	7255	A -22 4396
32		8.0R	39 15.733	0.0012	12	-29 24 55.25	-0.011	12	0.25	15.713	16	33.6	55.07	16	33.6	F0 J	13B	11214	J -2913881
33		9.1A	39 16.034	0.0012	20	-21 42 9.32	-0.024	15	0.33	16.015	16	33.6	8.92	16	33.6	A3 J	13A	7256	A -21 4706
34		7.5R	39 18.076	-0.0059	18	-23 19 35.17	0.059	18	0.34	18.173	16	33.6	36.14	16	33.6	G5 J	14	12125	E -2313514
35		8.8R	39 20.125	0.0027	17	-28 43 30.23	-0.063	17	0.31	20.081	16	33.6	29.36	16	33.6	G5 J	13B	11215	J -2813452
36		8.8R	39 22.221	-0.0002	15	-23 42 47.99	0.022	15	0.29	22.225	16	33.6	48.34	16	33.6	B2 J	14	12127	E -2313515
37		8.9R	39 22.649	0.0005	15	-25 45 17.75	0.007	15	0.29	22.641	16	33.6	17.87	16	33.6	G5 J	14	12126	E -2512225
38		8.4R	39 23.339	0.0006	20	-28 17 23.87	0.011	20	0.36	23.331	16	33.6	24.05	16	33.6	K7 M	13B	11217	J -2813455
39		9.1R	39 24.366	0.0021	18	-24 58 27.01	0.027	18	0.34	24.331	16	33.6	27.45	16	33.6	K0 J	14	12128	E -2413434
40		9.2R	39 26.264	0.0038	20	-28 44 27.21	-0.032	20	0.36	26.203	16	33.6	26.68	16	33.6	K2 J	13B	11218	J -2813457
41		9.2R	39 26.665	-0.0014	18	-24 16 4.43	-0.009	18	0.34	26.687	16	33.6	4.28	16	33.6	B	14	12129	E -2413435
42		8.3A	39 34.192	0.0017	20	-20 4 52.23	0.010	15	0.33	34.164	16	33.6	52.39	16	33.6	A0 J	13A	7258	A -20 4848
43		8.8R	39 35.150	0.0013	20	-28 24 29.34	0.022	20	0.36	35.129	16	33.6	29.70	16	33.6	M0 J	13B	11219	J -2813460
44		8.6R	39 39.399	-0.0002	18	-22 20 45.45	-0.050	18	0.34	39.401	16	33.6	44.63	16	33.6	G0 J	14	12130	E -2212188
45		8.6R	39 41.064	0.0006	15	-27 49 16.69	-0.019	15	0.29	41.055	16	33.6	16.38	16	33.6	F5 J	13B	11222	J -2711841
46		9.1R	39 42.103	0.0039	21	-29 57 21.11	-0.031	21	0.38	42.039	16	33.6	20.60	16	33.6	A0 J	13B	11221	J -2913889
47		9.2R	39 44.422	-0.0005	17	-28 25 43.61	-0.006	17	0.31	44.430	16	33.6	43.51	16	33.6	B8 J	13B	11223	J -2813463
48		9.5R	39 54.581	-0.0034	18	-24 31 58.04	-0.080	18	0.34	54.637	16	33.6	56.72	16	33.6	G0 M	14	12131	E -2413437
49		9.0R	39 54.905	-0.0014	17	-29 54 44.83	-0.032	17	0.31	54.882	16	33.6	44.31	16	33.6	B8 M	13B	11224	J -2913894
50		8.8R	39 57.480	-0.0003	17	-29 54 56.79	0.019	17	0.31	57.484	16	33.6	57.10	16	33.6	K2 J	13B	11225	J -2913895
51		9.4R	17 39 58.870	0.0013	15	-25 36 6.61	-0.012	15	0.29	58.848	16	33.6	6.41	16	33.6	K0 M	14	12132	E -2512233
52		9.2R	39 59.900	0.0020	21	-29 9 15.87	-0.038	21	0.38	59.868	16	33.6	15.24	16	33.6	G5 J	13B	11226	J -2913897
53		9.4R	40 1.678	-0.0020	18	-26 9 15.83	-0.007	18	0.34	1.711	16	33.6	15.71	16	33.6	F8 M	14	12133	E -2612262
54		9.0R	40 5.555	0.0009	20	-28 3 16.50	0.020	20	0.36	5.540	16	33.6	16.83	16	33.6	K2 M	13B	11227	J -2813475
55		6.4T	40 8.722	0.0009	07	-27 51 42.75	-0.007	06	0.38	8.673	12	97.5	42.38	14	95.4	A5	GC	24023	C -2711850
56		8.4R	40 12.751	-0.0007	15	-27 13 10.99	-0.014	15	0.29	12.712	16	33.6	10.77	16	33.6	K0 M	13B	11229	J -2711853
57		9.0R	40 15.376	0.0014	18	-27 14 21.85	-0.004	18	0.34	15.353	16	33.6	21.78	16	33.6	B3 M	13B	11231	J -2711855
58		9.2R	40 23.926	-0.0017	18	-22 29 31.11	-0.059	18	0.34	23.953	16	33.6	30.14	16	33.6	G5 J	14	12135	E -2212193
59		9.1R	40 25.348	-0.0007	12	-25 3 22.12	-0.012	12	0.25	25.359	16	33.6	21.92	16	33.6	G0 J	14	12134	E -2512238
60		4.9H	40 25.892	-0.0068	01	-21 39 38.57	-0.046	02	0.07	26.163	03	10.0	36.74	04	10.4	F5	F4	1463	-21 4712
61		9.2R	40 26.930	-0.0025	17	-28 21 0.44	-0.004	17	0.31	26.971	16	33.6	0.37	16	33.6	B5 J	13B	11232	J -2813494
62		9.3R	40 30.954	0.0024	20	-29 35 49.53	-0.069	20	0.36	30.914	16	33.6	48.39	16	33.6	G5 J	13B	11234	J -2913904
63		9.0R	40 45.353	0.0004	20	-29 17 13.99	-0.006	20	0.36	45.347	16	33.6	13.89	16	33.6	M2 J	13B	11237	J -2913908
64		9.1R	40 49.660	0.0005	17	-29 29 4.44	-0.022	17	0.31	49.653	16	33.6	4.08	16	33.6	B9 J	13B	11239	J -2913911
65		8.0R	40 50.092	0.0007	12	-26 17 6.19	-0.038	12	0.25	50.080	16	33.6	5.56	16	33.6	A5 J	14	12136	E -2612272
66		9.1R	40 52.681	-0.0018	18	-27 54 32.10	-0.041	18	0.34	52.711	16	33.6	31.43	16	33.6	B5 M	13B	11240	J -2711862
67		8.5R	40 54.775	0.0012	18	-22 44 25.64	0.023	18	0.34	54.756	16	33.6	26.02	16	33.6	K0 J	14	12137	E -2212195
68		9.1R	40 54.861	0.0010	18	-22 4 27.04	0.029	18	0.34	54.843	16	33.6	27.51	16	33.6	B3 J	14	12138	E -2212196
69		9.7R	40 58.098	0.0025	20	-23 1 33.41	0.024	20	0.36	58.056	16	33.6	33.80	16	33.6	B3 M	14	12139	E -2212197
70		9.2R	41 4.928	-0.0013	18	-22 15 48.14	-0.089	18	0.34	4.949	16	33.6	46.68	16	33.6	G0 J	14	12140	E -2212199
71		8.1R	41 5.803	0.0014	18	-27 26 12.23	0.000	18	0.34	5.781	16	33.6	12.23	16	33.6	B8 J	13B	11242	J -2711866
72		9.6R	41 5.955	0.0004	20	-22 54 23.02	-0.005	20	0.36	5.948	16	33.6	22.94	16	33.6	A0 M	14	12141	E -2212198
73		9.3R	41 6.364	-0.0019	20	-27 44 30.32	-0.030	20	0.36	6.396	16	33.6	29.83	16	33.6	G5 M	13B	11243	J -2711867
74		7.1T	41 14.675	0.0018	08	-23 39 29.35	-0.026	09	0.53	14.566	15	89.3	27.80	17	91.3	F0	GC	24056	C -2313528
75		8.6A	41 20.894	-0.0001	20	-21 42 38.18	-0.026	15	0.33	20.896	16	33.6	37.75	16	33.6	K0 J	13A	7271	A -21 4715
76		9.0A	41 21.098	0.0009	17	-21 26 16.09	0.004	12	0.28	21.083	16	33.6	16.16	16	33.6	B8 J	13A	7272	A -21 4716
77		9.2R	41 22.036	-0.0014	20	-22 54 44.14	-0.005	20	0.36	22.060	16	33.6	44.06	16	33.6	A0 J	14	12143	E -2212200
78		6.6T	41 22.954	0.0018	04	-22 10 26.91	-0.006	04	0.24	22.864	10	99.6	26.59	10	99.6	F0	GC	24061	B* -22 4405
79		8.5R	41 27.599	0.0008	20	-28 9 26.89	-0.007	20	0.36	27.586	16	33.6	26.78	16	33.6	B8 J	13B	11246	J -2813519
80		9.2R	41 33.654	0.0010	18	-26 20 17.87	-0.003	18	0.34	33.637	16	33.6	17.82	16	33.6	A0 M	14	12145	E -2612287
81		8.4R	41 37.718	0.0005	15	-27 12 30.91	0.016	15	0.29	37.711	16	33.6	31.17	16	33.6	B0 J	13B	11248	J -2711872
82		9.0R	41 37.862	0.0010	20	-29 43 34.47	-0.022	20	0.36	37.846	16	33.6	34.11	16	33.6	B9 J	13B	11247	J -2913920
83		8.4T	41 40.922	-0.0011	12	-22 0 13.88	-0.058	09	0.54	40.976	17	01.4	10.86	15	98.3	G5	GC	24069	-21 4720
84		8.5R	41 41.641	-0.0001	12	-26 34 5.21	-0.063	12	0.25	41.644	16	33.6	4.18	16	33.6	F5 J	14	12147	E -2612290
85		9.4R	41 46.584	-0.0010	21	-23 18 4.92	-0.020	21	0.38	46.601	16	33.6	4.59	16	33.6	A0 J	14	12148	E -2313533
86		8.9R	41 47.605	0.0012	20	-28 13 11.04	0.008	20	0.36	47.586	16	33.6	11.17	16	33.6	K0 M	13B	11250	J -2813526
87		9.3R	41 48.373	0.0016	20	-29 32 14.64	-0.010	20	0.36	48.347	16	33.6	14.48	16	33.6	F8 J	13B	11249	J -2913923
88		8.5R	41 49.976	0.0046	18	-24 39 49.83	-0.024	18	0.34	49.901	16	33.6	49.43	16	33.6	K0 J	14	12149	E -2413446
89		9.0R	41 56.042	0.0016	21	-29 7 24.95	-0.020	21	0.38	56.016	16	33.6	24.62	16	33.6	K5 J	13B	11253	J -2913926
90		8.8R	41 58.966	-0.0002	18	-27 26 25.12	-0.008	18	0.34	58.970	16	33.6	25.00	16	33.6	A0 J	13B	11254	J -2711879
91		8.8R	42 1.960	0.0013	17	-28 18 20.58	-0.004	17	0.31	1.940	16	33.6	20.51	16	33.6	K2 M	13B	11255	J -2813532
92		8.6R	42 2.839	-0.0009	18	-22 52 8.02	0.003	18	0.34	2.854	16	33.6	8.07	16	33.6	B8 J	14	12150	E -2212204
93		9.1R	42 3.524	-0.0015	21	-28 11 31.19	-0.026	21	0.38	3.548	16	33.6	30.76	16	33.6	A2 J	13B	11258	J -2813534
94		8.5R	42 4.838	-0.0018	21	-29 49 51.90	-0.060	21	0.38	4.867	16	33.6	50.92	16	33.6	K6 J	13B	11257	J -2913929
95		9.0R	42 10.939	-0.0013	20	-28 24 12.22	-0.031	20	0.36	10.961	16	33.6	11.71	16	33.6	B5 M	13B	11259	J -2813537
96		8.6R	42 12.276	0.0003	21	-28 28 34.96	-0.047	21	0.38	12.272	16	33.6	34.19	16	33.6	A2 J	13B	11261	J -2813540
97		8.3A	42 12.361	-0.0015	20	-21 41 22.45	-0.002	15	0.33	12.386	16	33.6	22.41	16	33.6	K2 J	13A	7277	A -21 4722
98		8.7R	42 13.313	0.0016	15	-25 20 26.05	-0.062	15	0.29	13.287	16	33.6	25.03	16	33.6	G5 J	14	12151	E -2512255
99		8.5R	42 14.241	0.0013	18	-28 1 31.61	-0.014	18	0.34	14.220	16	33.6	31.38	16	33.6	A0 J	13B	11262	J -2711884
00		9.4R	42 15.406	0.0008	20	-27 25 31.36	-0.001	20	0.36	15.393	16	33.6	31.35	16	33.6	B8 M	13B	11265	J -2711885

185700

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ_α s	σ_{μ_α} ″.001	δ_{1950} ° ′ ″	μ_δ ″	σ_{μ_δ} ″.001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	-20° 17H DM NUMBER
1		9.0R	17 42 17.379	-0.0011	21	-29 17 14.16	0.023	21	0.38	17.398	16	33.6	14.54	16	33.6	K7 M	13B	11264	J -2913935
2		9.2R	42 19.180	0.0040	21	-29 5 53.35	-0.012	21	0.38	19.115	16	33.6	53.15	16	33.6	F2 J	13B	11266	J -2913936
3		9.4R	42 19.548	0.0015	18	-22 6 0.93	0.021	18	0.34	19.524	16	33.6	1.27	16	33.6	G0 J	14	12152	E -2212206
4		9.0R	42 21.689	0.0035	20	-28 46 3.71	0.058	20	0.36	21.632	16	33.6	4.66	16	33.6	G5 J	13B	11267	J -2813542
5		8.8R	42 22.347	0.0006	12	-28 2 44.79	-0.016	15	0.27	22.338	16	33.6	44.53	16	33.6	B9 J	13B	11268	J -2711888
6		9.1R	42 23.928	-0.0052	20	-28 17 0.07	0.051	20	0.36	24.013	16	33.6	0.91	16	33.6	A0 J	13B	11269	J -2813543
7		8.1R	42 27.497	-0.0009	20	-28 23 14.68	-0.055	20	0.36	27.513	16	33.6	13.78	16	33.6	F5 J	13B	11270	J -2813545
8		9.3R	42 27.550	-0.0013	18	-23 42 40.76	0.017	18	0.34	27.571	16	33.6	41.04	16	33.6	K0 J	14	12153	E -2313537
9		9.3R	42 32.985	-0.0016	18	-26 37 50.16	0.005	18	0.34	33.012	16	33.6	50.24	16	33.6	F0 J	14	12154	E -2612310
10		9.2R	42 39.905	0.0007	20	-29 29 37.23	-0.013	20	0.36	39.894	16	33.6	37.02	16	33.6	A0 J	13B	11271	J -2913945
11		8.4A	42 42.150	0.0037	17	-20 11 6.42	-0.026	13	0.29	42.089	16	33.6	5.99	16	33.6	K5 J	13A	7279	A*-20 4865
12		8.5R	42 42.430	-0.0006	12	-27 11 51.08	-0.012	12	0.25	42.440	16	33.6	50.89	16	33.6	B0 M	13B	11272	J -2711899
13		8.5R	42 49.343	-0.0004	17	-28 39 32.77	-0.006	17	0.31	49.350	16	33.6	32.67	16	33.6	K0 J	13B	11273	J -2813555
14		9.0R	42 49.585	0.0009	20	-28 4 12.03	-0.055	20	0.36	49.571	16	33.6	11.13	16	33.6	A0 J	13B	11275	J -2813557
15		8.9R	42 50.105	0.0022	17	-29 3 42.93	0.021	17	0.31	50.070	16	33.6	43.27	16	33.6	K2 J	13B	11274	J -2913946
16		7.4T	42 53.871	-0.0004	11	-26 57 12.39	-0.003	08	0.53	53.891	18	00.3	12.24	18	98.0	B9	GC	24092	C*-2612317
17		8.9A	42 54.043	-0.0006	13	-21 4 25.46	-0.019	09	0.25	54.053	16	33.6	25.15	16	33.6	G0 J	13A	7281	A -21 4726
18		8.7R	42 59.524	0.0062	15	-22 36 21.63	0.004	15	0.29	59.422	16	33.6	21.70	16	33.6	B9 J	14	12157	E -2212215
19		8.9R	43 1.727	0.0008	15	-24 51 12.64	0.010	15	0.29	1.714	16	33.6	12.80	16	33.6	K0 J	14	12156	E -2413463
20		9.1R	43 7.690	-0.0002	15	-25 21 38.68	0.011	15	0.29	7.693	16	33.6	38.86	16	33.6	F8 M	14	12158	E -2512272
21		8.7A	43 11.051	-0.0025	20	-21 34 41.10	0.001	15	0.33	11.093	16	33.6	41.11	16	33.6	G0 J	13A	7283	A -21 4727
22		9.4R	43 12.520	-0.0011	21	-26 29 15.92	0.016	21	0.38	12.539	16	33.6	16.18	16	33.6	A2 M	14	12159	E -2612323
23		9.2R	43 12.686	0.0027	18	-22 40 28.64	0.032	18	0.34	12.642	16	33.6	29.17	16	33.6	B5 M	14	12160	E -2212216
24		8.3R	43 18.802	0.0004	15	-26 10 55.05	-0.017	15	0.29	18.796	16	33.6	54.77	16	33.6	K2 J	14	12161	E -2612327
25		8.2R	43 21.731	-0.0022	18	-24 7 21.31	-0.030	18	0.34	21.768	16	33.6	20.81	16	33.6	K0 J	14	12162	E -2413467
26		8.1R	43 22.509	-0.0015	18	-27 25 13.65	-0.025	18	0.34	22.534	16	33.6	13.25	16	33.6	K5 J	13B	11279	J -2711914
27		8.7R	43 23.675	-0.0009	20	-27 34 56.48	-0.004	20	0.36	23.691	16	33.6	56.41	16	33.6	K5 J	13B	11280	J -2711915
28		8.8A	43 25.355	-0.0014	20	-21 15 11.06	-0.005	15	0.33	25.378	16	33.6	10.99	16	33.6	B9 J	13A	7284	A -21 4730
29		8.0R	43 25.626	-0.0001	17	-29 38 51.38	-0.012	17	0.31	25.628	16	33.6	51.18	16	33.6	K5 J	13B	11278	J -2913960
30		9.1R	43 28.440	-0.0015	17	-28 52 46.84	-0.032	17	0.31	28.465	16	33.6	46.31	16	33.6	F0 J	13B	11282	J -2813569
31		8.0R	43 28.607	-0.0027	20	-29 22 28.40	-0.002	20	0.36	28.652	16	33.6	28.36	16	33.6	K5 J	13B	11281	J -2913961
32		8.7R	43 29.597	-0.0011	20	-28 10 1.04	-0.013	20	0.36	29.615	16	33.6	0.83	16	33.6	K5 M	13B	11283	J -2813571
33		8.3R	43 32.945	0.0020	20	-29 26 9.09	-0.026	20	0.36	32.912	16	33.6	8.66	16	33.6	K5 J	13B	11284	J -2913963
34		8.8R	43 37.147	0.0010	12	-25 44 12.37	-0.011	12	0.25	37.132	16	33.6	12.19	16	33.6	A0 J	14	12163	E -2512279
35		8.9R	43 37.569	-0.0033	21	-29 52 5.87	-0.082	21	0.38	37.623	16	33.6	4.52	16	33.6	K5 J	13B	11285	J -2913964
36		8.0R	43 38.701	0.0031	18	-23 39 59.74	-0.019	18	0.34	38.650	16	33.6	59.42	16	33.6	A5 J	14	12165	E -2313548
37		8.8A	43 40.280	-0.0001	17	-21 29 35.86	-0.041	13	0.29	40.281	16	33.6	35.19	16	33.6	F8 J	13A	7285	A -21 4731
38		8.8A	43 42.693	-0.0008	20	-21 7 30.71	-0.024	15	0.33	42.707	16	33.6	30.33	16	33.6	K0 J	13A	7286	A -21 4733
39		9.5R	43 44.558	0.0012	18	-24 35 40.89	0.012	18	0.34	44.538	16	33.6	41.09	16	33.6	K0 M	14	12167	E -2413470
40		8.7R	43 45.319	-0.0014	21	-22 11 51.97	0.003	21	0.38	45.342	16	33.6	52.02	16	33.6	A0 J	14	12168	E -2212224
41		9.2R	43 45.463	0.0001	20	-25 45 38.76	-0.006	20	0.36	45.462	16	33.6	38.66	16	33.6	F8 M	14	12166	E -2512283
42		8.9R	43 52.729	-0.0002	21	-29 13 49.07	-0.058	21	0.38	52.733	16	33.6	48.12	16	33.6	F8 J	13B	11286	J -2913969
43		8.7R	43 55.736	0.0008	18	-24 53 44.79	-0.018	18	0.34	55.723	16	33.6	44.49	16	33.6	K0 J	14	12169	E -2413472
44		9.0R	43 55.893	0.0036	18	-24 3 48.67	-0.015	18	0.34	55.834	16	33.6	48.41	16	33.6	F5 J	14	12170	E -2413473
45		9.0R	43 55.938	-0.0007	20	-28 7 54.95	-0.030	20	0.36	55.950	16	33.6	54.46	16	33.6	F5 J	13B	11287	J -2813577
46		9.2R	43 58.930	0.0017	15	-24 32 31.46	-0.030	15	0.29	58.902	16	33.6	30.96	16	33.6	K5 M	14	12172	E -2413475
47		9.3R	44 0.973	0.0043	20	-28 43 12.91	-0.030	20	0.36	0.903	16	33.6	12.42	16	33.6		13B	11288	J -2813580
48		9.0A	44 1.328	-0.0018	17	-20 41 9.29	-0.058	13	0.29	1.357	16	33.6	8.34	16	33.6	F8 J	13A	7289	A -20 4870
49		9.0R	44 1.372	0.0018	20	-28 41 45.50	0.009	20	0.36	1.343	16	33.6	45.65	16	33.6	A2 J	13B	11289	J -2813581
50		9.0R	44 2.240	-0.0002	18	-27 0 7.17	0.007	18	0.34	2.244	16	33.6	7.28	16	33.6	A0 J	14	12171	E -2612343
51		8.9R	17 44 3.240	-0.0006	18	-23 33 8.15	-0.000	18	0.34	3.250	16	33.6	8.14	16	33.6	A3 J	14	12173	E -2313552
52		9.0R	44 11.939	0.0002	21	-29 37 18.55	-0.022	21	0.38	11.936	16	33.6	18.19	16	33.6	B J	13B	11290	J -2913979
53		9.2R	44 17.143	-0.0003	18	-22 4 3.39	-0.145	18	0.34	17.148	16	33.6	1.01	16	33.6	G0 J	14	12174	E -2212231
54		9.2R	44 17.638	-0.0028	18	-22 24 35.74	-0.001	18	0.34	17.684	16	33.6	35.72	16	33.6	G5 M	14	12175	E -2212230
55		4.7N	44 24.664	0.0001	02	-27 48 49.14	-0.009	02	0.07	24.662	03	11.1	48.77	04	10.3	+++ F4		1464V	C -2711930
56		9.1A	44 25.572	-0.0013	17	-21 10 54.54	-0.013	12	0.28	25.593	16	33.6	54.33	16	33.6	G0 J	13A	7291	A -21 4737
57		9.2R	44 26.862	0.0000	20	-28 31 59.33	0.000	20	0.36	26.862	16	33.6	59.33	16	33.6	A0 J	13B	11293	J -2813589
58		9.0R	44 27.143	0.0019	20	-26 19 49.78	0.006	20	0.36	27.112	16	33.6	49.86	16	33.6	B8 J	14	12176	E -2612349
59		8.7R	44 30.925	0.0028	20	-28 26 54.76	-0.039	20	0.36	30.880	16	33.6	54.12	16	33.6	F8 J	13B	11294	J -2813590
60		7.1T	44 32.232	-0.0004	10	-20 49 12.96	-0.014	13	0.57	32.249	15	01.7	12.33	15	03.9	A3	GC	24141	-20 4874
61		9.5R	44 34.389	-0.0012	20	-25 55 10.66	-0.010	20	0.36	34.409	16	33.6	10.50	16	33.6	B9 M	14	12178	E -2512299
62		9.1R	44 41.158	-0.0037	21	-28 23 31.71	-0.061	21	0.38	41.220	16	33.6	30.71	16	33.6	K5 J	13B	11296	J -2813591
63		9.3R	44 43.329	0.0014	20	-25 21 18.76	-0.012	20	0.36	43.306	16	33.6	18.56	16	33.6	K2 M	14	12179	E -2512305
64		9.4R	44 44.004	-0.0020	21	-28 36 35.31	0.050	21	0.38	44.038	16	33.6	36.13	16	33.6	F2 J	13B	11298	J -2813592
65		6.2T	44 44.227	0.0002	08	-22 27 40.01	-0.012	07	0.34	44.219	09	06.6	39.49	09	08.3	K0	GC	24147	-22 4423
66		9.2R	44 45.061	-0.0016	21	-29 31 59.71	-0.011	21	0.38	45.087	16	33.6	59.53	16	33.6	A0 J	13B	11297	J -2913999
67		9.4R	44 48.930	0.0036	18	-22 10 11.00	-0.012	18	0.34	48.870	16	33.6	10.79	16	33.6	B5 J	14	12182	E -2212236
68		8.4R	44 49.082	-0.0040	18	-22 57 17.12	-0.021	18	0.34	49.147	16	33.6	16.78	16	33.6	A0 J	14	12181	E -2212237
69		9.1R	44 50.318	-0.0052	21	-29 18 46.08	-0.023	21	0.38	50.403	16	33.6	45.70	16	33.6	B2 J	13B	11299	J -2914001
70		9.3R	44 53.938	0.0005	21	-28 23 54.59	-0.020	21	0.38	53.930	16	33.6	54.26	16	33.6	A0 J	13B	11301	J -2813595
71		9.1R	44 56.241	-0.0009	20	-27 13 46.61	0.063	20	0.36	56.256	16	33.6	47.65	16	33.6	K0 M	13B	11302	J -2711939
72		9.4R	44 56.820	0.0015	18	-24 11 6.13	-0.019	18	0.34	56.795	16	33.6	5.81	16	33.6	G5 J	14	12183	E -2413492
73		9.1R	44 58.124	0.0004	20	-27 25 46.33	-0.015	20	0.36	58.118	16	33.6	46.08	16	33.6	F0 M	13B	11303	J -2711940
74		9.2R	44 59.109	0.0055	18	-22 39 29.94	-0.085	18	0.34	59.019	16	33.6	28.54	16	33.6	F0 J	14	12184K	E -2212240
75		8.7R	45 1.914	0.0025	20	-28 44 48.58	-0.030	20	0.36	1.874	16	33.6	48.09	16	33.6	K0 J	13B	11304	J -2813599
76		8.4R	45 4.822	0.0023	20	-27 59 55.24	-0.041	20	0.36	4.784	16	33.6	54.57	16	33.6	F8 M	13B	11305	J -2711944
77		9.1R	45 9.469	0.0011	15	-24 18 38.60	0.003	15	0.29	9.451	16	33.6	38.64	16	33.6	K5 J	14	12186	E -2413498
78		9.1A	45 11.518	-0.0017	20	-21 42 45.50	0.028	15	0.33	11.546	16	33.6	45.95	16	33.6	G5 J	13A	7298	A -21 4741
79		6.2T	45 20.111	0.0001	05	-26 57 32.58	-0.013	04	0.20	20.107	07	08.6	32.04	07	08.1	B3	GC	24160	C -2612367
80		8.3R	45 20.112	0.0032	18	-23 12 59.55	-0.014	18	0.34	20.060	16	33.6	59.32	16	33.6	F2 J	14	12188	E -2313576
81		9.0R	45 23.334	-0.0003	21	-29 56 32.24	-0.002	21	0.38	23.339	16	33.6	32.21	16	33.6	B3 J	13B	11308	J -2914016
82		9.3R	45 24.227	0.0007	20	-28 52 36.10	-0.040	20	0.36	24.216	16	33.6	35.44	16	33.6	K0 J	13B	11311	J -2813612
83		9.0R	45 26.106	0.0017	20	-29 27 30.83	-0.011	20	0.36	26.078	16	33.6	30.65	16	33.6	A0 M	13B	11312	J -2914017
84		8.7R	45 32.261	0.0009	20	-28 39 21.10	0.003	20	0.36	32.246	16	33.6	21.15	16	33.6	M0 J	13B	11314	J -2813616
85		9.2R	45 37.251	0.0007	18	-26 59 28.29	-0.031	18	0.34	37.239	16	33.6	27.79	16	33.6	A2 M	14	12189	E -2612373
86		8.5R	45 41.348	0.0019	17	-28 13 49.91	0.019	17	0.31	41.318	16	33.6	50.22	16	33.6	K0 J	13B	11316	J -2813622
87		9.0R	45 43.288	-0.0021	20	-28 58 35.77	-0.015	20	0.36	43.323	16	33.6	35.52	16	33.6	K0 J	13B	11317	J -2813621
88		8.8R	45 45.506	0.0012	20	-28 52 59.67	-0.011	20	0.36	45.486	16	33.6	59.49	16	33.6	K5 J	13B	11319	J -2813623
89		9.0R	45 46.557	-0.0004	18	-23 36 41.77	-0.046	18	0.34	46.562	16	33.6	41.00	16	33.6	G5 J	14	12191	E -2313582
90		9.1R	45 50.864	0.0012	15	-26 52 30.33	0.008	15	0.29	50.845	16	33.6	30.47	16	33.6	B8 M	14	12190	E -2612377
91		8.5R	45 54.460	0.0005	12	-25 44 3.19	0.019	12	0.25	54.452	16	33.6	3.50	16	33.6	A0 J	14	12192	E -2512324
92		8.7R	46 3.838	-0.0001	18	-23 25 56.36	-0.018	18	0.34	3.839	16	33.6	56.07	16	33.6	G5 J	14	12194	E -2313586
93		9.2R	46 5.818	0.0017	18	-24 49 9.00	0.033	18	0.34	5.791	16	33.6	9.54	16	33.6	A0 J	14	12193	E -2413509
94		9.1R	46 6.332	-0.0021	22	-24 13 26.88	0.015	22	0.40	6.367	16	33.6	27.12	16	33.6	B M	14	12195	E -2413510
95		8.7R	46 11.231	0.0015	15	-27 27 36.04	0.001	15	0.29	11.206	16	33.6	36.06	16	33.6	B8 J	13B	11327	J -2711969
96		9.4R	46 12.557	0.0031	18	-24 19 41.65	-0.035	18	0.34	12.506	16	33.6	41.07	16	33.6	B8 J	14	12196	E -2413512
97		8.1R	46 14.864	0.0051	20	-29 25 24.77	-0.040	20	0.36	14.781	16	33.6	24.11	16	33.6	F0 J	13B	11328	J -2914036
98		7.9R	46 17.020	0.0039	20	-29 17 59.07	-0.001	20	0.36	16.956	16	33.6	59.05	16	33.6	F0 J	13B	11329	J -2914038
99		8.3R	46 18.124	0.0009	18	-23 21 13.91	-0.001	18	0.34	18.110	16	33.6	13.89	16	33.6	F0 J	14	12197	E -2313589
00		9.1R	46 27.879	-0.0019	18	-27 10 50.16	-0.052	15	0.31	27.910	16	33.6	49.30	16	33.6	K5 M	13B	11333	J -2711977

185800

NUMBER	MAGNITUDES		EPOCH 1950								ORIGINAL EPOCH							SP.		SOURCE	
	m_{pg}	m_v	α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.			CAT.	STAR NUMBER
1		8.1A	17 46 28.083	-0.0006	17	-20 48 58.62	-0.026	13	0.29	28.093	16	33.6	58.19	16	33.6	K5	J	13A	7304
2		8.9R	46 29.368	-0.0025	18	-27 23 0.48	-0.078	18	0.34	29.409	16	33.6	59.21	16	33.6	M0	M	13B	11334
3		9.0R	46 30.652	0.0026	20	-29 16 6.27	0.013	20	0.36	30.609	16	33.6	6.48	16	33.6	F0	J	13B	11332
4		8.9R	46 30.986	0.0024	15	-25 58 3.47	-0.028	15	0.29	30.946	16	33.6	3.01	16	33.6	B9	J	14	12198
5		8.9R	46 31.402	-0.0019	20	-28 29 22.67	-0.008	20	0.36	31.433	16	33.6	22.55	16	33.6	K0	J	13B	11335
6		9.0R	46 35.553	-0.0009	20	-28 23 29.35	-0.002	20	0.36	35.567	16	33.6	29.32	16	33.6	B9	J	13B	11338
7		9.0R	46 35.790	-0.0001	20	-28 11 44.01	0.032	20	0.36	35.792	16	33.6	44.53	16	33.6	A0	J	13B	11339
8		8.9R	46 37.694	0.0013	18	-23 26 25.28	-0.033	18	0.34	37.673	16	33.6	24.74	16	33.6	F8	J	14	12199
9		9.1R	46 41.331	0.0004	18	-24 26 37.75	-0.027	18	0.34	41.325	16	33.6	37.30	16	33.6	A0	J	14	12200
10		9.0R	46 47.093	-0.0021	20	-28 21 2.89	-0.002	20	0.36	47.127	16	33.6	2.86	16	33.6	F0	J	13B	11341
11		9.4R	46 49.825	0.0047	18	-24 41 55.40	-0.017	18	0.34	49.747	16	33.6	55.12	16	33.6	K0	M	14	12201
12		9.0R	46 50.015	0.0003	20	-28 46 22.31	-0.030	20	0.36	50.010	16	33.6	21.82	16	33.6	A0	J	13B	11342
13		9.0R	46 50.600	0.0016	20	-27 47 48.27	-0.003	20	0.36	50.574	16	33.6	48.22	16	33.6	A0	J	13B	11344
14		9.0R	46 51.528	0.0033	20	-28 6 56.82	-0.021	20	0.36	51.474	16	33.6	56.48	16	33.6	K7	M	13B	11345
15		7.1T	46 53.890	-0.0035	08	-24 11 32.67	-0.025	06	0.38	54.066	09	99.8	31.30	10	96.3	K0		GC	24202
16		8.8R	46 57.851	-0.0001	18	-26 36 53.25	-0.028	18	0.34	57.852	16	33.6	52.80	16	33.6	B9	J	14	12204
17		8.1R	46 58.037	0.0019	18	-26 47 48.72	-0.014	18	0.34	58.007	16	33.6	48.50	16	33.6	F2	J	14	12203
18		9.0R	46 59.518	0.0033	20	-28 30 0.88	0.032	20	0.36	59.464	16	33.6	1.41	16	33.6	K5	J	13B	11346
19		9.2R	47 0.234	-0.0006	15	-25 12 6.41	-0.048	15	0.29	0.244	16	33.6	5.62	16	33.6	K0	J	14	12205
20		9.4R	47 1.257	0.0001	18	-23 10 33.98	0.030	18	0.34	1.256	16	33.6	34.48	16	33.6	A0	J	14	12207
21		9.6R	47 2.207	-0.0012	18	-24 51 53.87	-0.024	18	0.34	2.227	16	33.6	53.47	16	33.6	A3	J	14	12206
22		9.0R	47 8.772	0.0001	18	-27 3 0.27	-0.024	18	0.34	8.771	16	33.6	59.88	16	33.6	K5	M	13B	11347
23		8.3R	47 11.317	0.0007	15	-26 18 44.37	-0.016	15	0.29	11.305	16	33.6	44.11	16	33.6	B8	J	14	12208
24		8.9R	47 11.346	-0.0016	12	-25 25 8.02	0.021	12	0.25	11.372	16	33.6	8.37	16	33.6	B9	J	14	12209
25		8.4R	47 12.621	0.0002	18	-23 6 54.06	0.030	18	0.34	12.619	16	33.6	54.55	16	33.6	B8	J	14	12211
26		6.8T	47 13.355	-0.0010	08	-27 2 50.66	-0.041	07	0.41	13.407	12	97.3	48.44	12	95.6	A3		GC	24209
27		8.9R	47 14.533	0.0007	12	-25 14 58.06	-0.005	12	0.25	14.521	16	33.6	57.98	16	33.6	K0	M	14	12210
28		9.3R	47 14.957	0.0005	17	-29 19 35.85	-0.019	17	0.31	14.950	16	33.6	35.54	16	33.6	A0	J	13B	11349
29		9.2R	47 17.278	0.0009	18	-22 57 2.90	0.014	18	0.34	17.264	16	33.6	3.13	16	33.6	A2	J	14	12212
30		8.0R	47 24.998	0.0040	18	-24 50 21.90	-0.013	18	0.34	24.932	16	33.6	21.68	16	33.6	K5	J	14	12213
31		9.2R	47 25.324	0.0002	18	-22 41 25.36	0.019	18	0.34	25.320	16	33.6	25.67	16	33.6	K0	J	14	12214
32		8.1R	47 30.005	0.0007	17	-29 15 55.42	-0.028	17	0.31	29.994	16	33.6	54.96	16	33.6	A2	J	13B	11352
33		9.6R	47 31.785	-0.0002	20	-24 32 55.26	0.016	20	0.36	31.789	16	33.6	55.52	16	33.6	B8	J	14	12215
34		8.9A	47 38.476	-0.0002	12	-21 55 4.11	-0.022	09	0.23	38.478	16	33.6	3.74	16	33.6	F0	J	13A	7308
35		9.4R	47 44.842	-0.0029	22	-26 19 56.49	-0.009	22	0.40	44.890	16	33.6	56.35	16	33.6	K5	M	14	12216
36		8.7A	47 47.305	-0.0002	17	-21 46 41.82	-0.022	13	0.29	47.308	16	33.6	41.45	16	33.6	K5	J	13A	7310
37		8.5R	47 53.297	-0.0002	12	-28 38 46.83	-0.078	12	0.25	53.301	16	33.6	45.55	16	33.6	K0	J	13B	11357
38		9.4R	47 54.786	-0.0056	20	-29 18 51.24	-0.045	20	0.36	54.695	16	33.6	50.50	16	33.6	B3	J	13B	11358
39		9.4R	47 57.467	-0.0048	22	-24 45 6.27	-0.025	22	0.40	57.546	16	33.6	5.86	16	33.6	B8	J	14	12217
40		8.4R	48 0.747	-0.0020	18	-27 49 1.61	-0.052	18	0.34	0.780	16	33.6	0.76	16	33.6	B9	J	13B	11362
41		9.3A	48 1.792	-0.0007	17	-20 15 15.04	-0.014	13	0.29	1.803	16	33.6	14.81	16	33.6	A2	J	13A	7311
42		7.1T	48 5.517	0.0031	06	-22 54 25.73	-0.067	06	0.32	5.364	09	00.9	22.29	09	98.7	G0		GC	24229
43		9.1R	48 6.878	-0.0030	18	-23 56 52.70	-0.055	18	0.34	6.927	16	33.6	51.79	16	33.6	G0	J	14	12220
44		9.1R	48 9.171	-0.0025	17	-26 53 47.99	-0.044	17	0.31	9.213	16	33.6	47.28	16	33.6	K	M	14	12218
45		8.9R	48 12.081	-0.0013	18	-24 29 49.76	0.010	18	0.34	12.102	16	33.6	49.91	16	33.6	A0	J	14	12223
46		9.0R	48 12.508	0.0058	20	-29 57 2.62	-0.010	20	0.36	12.413	16	33.6	2.46	16	33.6	A2	J	13B	11363
47		8.7A	48 13.504	-0.0013	20	-20 57 8.54	-0.002	15	0.33	13.526	16	33.6	8.51	16	33.6	G5	J	13A	7312
48		9.1R	48 13.745	0.0012	12	-25 3 30.42	0.017	12	0.25	13.725	16	33.6	30.70	16	33.6	A2	J	14	12224
49		8.5R	48 33.649	-0.0002	18	-26 51 47.25	-0.006	18	0.34	33.653	16	33.6	47.16	16	33.6	K5	J	14	12225
50		7.2T	48 36.041	0.0005	10	-23 39 56.03	-0.015	10	0.54	36.015	17	97.6	55.22	17	97.7	F8		GC	24244
51		9.5R	17 48 42.406	-0.0029	17	-28 46 28.42	-0.055	17	0.31	42.454	16	33.6	27.52	16	33.6	F2	J	13B	11367
52		8.5R	48 42.678	0.0034	20	-28 36 36.98	0.042	20	0.36	42.622	16	33.6	37.67	16	33.6	B9	J	13B	11368
53		9.1R	48 43.834	-0.0022	18	-27 32 14.77	-0.047	18	0.34	43.870	16	33.6	14.00	16	33.6	A7	M	13B	11371
54		8.0R	48 49.039	0.0017	12	-25 45 40.02	-0.021	12	0.25	49.011	16	33.6	39.67	16	33.6	K0	J	14	12227
55		8.4A	48 50.088	0.0009	17	-21 2 49.34	-0.011	13	0.29	50.074	16	33.6	49.17	16	33.6	G5	J	13A	7316
56		8.9R	48 50.128	0.0006	12	-27 34 52.40	-0.039	15	0.27	50.119	16	33.6	51.76	16	33.6	M0	M	13B	11374
57		8.8R	48 50.800	0.0028	17	-28 47 23.47	0.000	17	0.31	50.754	16	33.6	23.47	16	33.6	K5	J	13B	11372
58		9.0R	48 51.457	0.0013	21	-28 32 12.32	0.014	21	0.38	51.436	16	33.6	12.55	16	33.6	G5	J	13B	11373
59		9.1R	48 54.604	0.0007	21	-29 37 15.76	-0.127	21	0.38	54.592	16	33.6	13.68	16	33.6	M2	M	13B	11375
60		9.3R	48 55.414	-0.0010	15	-25 46 52.96	0.015	15	0.29	55.431	16	33.6	53.21	16	33.6	F8	J	14	12228
61		9.3R	48 56.509	0.0044	20	-27 22 23.21	0.008	20	0.36	56.438	16	33.6	23.34	16	33.6	B9	M	13B	11377
62		8.4A	48 56.816	-0.0017	20	-20 25 33.21	-0.046	15	0.33	56.844	16	33.6	32.46	16	33.6	G5	J	13A	7318
63		8.4R	48 57.059	-0.0015	12	-26 53 0.30	-0.049	12	0.25	57.085	16	33.6	59.51	16	33.6	B8	J	14	12229K
64		8.4R	49 0.801	-0.0032	17	-28 26 22.57	0.030	17	0.31	0.854	16	33.6	23.06	16	33.6	M2	J	13B	11379
65		9.0A	49 0.894	-0.0011	17	-20 10 52.27	-0.010	13	0.29	0.913	16	33.6	52.11	16	33.6	A2	J	13A	7319
66		9.2R	49 0.954	-0.0003	18	-24 50 59.06	-0.007	18	0.34	0.959	16	33.6	58.94	16	33.6	B9	J	14	12230
67		9.1A	49 3.173	-0.0008	20	-20 35 52.78	-0.041	15	0.33	3.186	16	33.6	52.12	16	33.6	K5	J	13A	7320
68		9.1R	49 3.744	0.0023	18	-27 48 38.99	-0.010	18	0.34	3.706	16	33.6	38.83	16	33.6	K7	M	13B	11382
69		8.9R	49 3.791	0.0022	20	-27 19 54.37	-0.025	20	0.36	3.756	16	33.6	53.96	16	33.6	A0	M	13B	11383
70		8.9R	49 4.023	0.0000	20	-28 45 42.48	-0.004	20	0.36	4.023	16	33.6	42.41	16	33.6	A2	J	13B	11380
71		9.0R	49 5.053	0.0002	20	-27 43 45.31	-0.007	20	0.36	5.050	16	33.6	45.19	16	33.6	B9	M	13B	11384
72		9.3R	49 7.450	0.0010	18	-23 52 9.30	0.023	18	0.34	7.435	16	33.6	9.67	16	33.6	G	M	14	12232
73		8.7R	49 9.237	-0.0029	20	-28 52 25.59	-0.029	20	0.36	9.284	16	33.6	25.11	16	33.6	K0	J	13B	11385
74		8.2A	49 11.572	-0.0016	20	-20 4 2.67	-0.016	15	0.33	11.598	16	33.6	2.41	16	33.6	A0	J	13A	7321
75		9.2R	49 12.633	0.0009	21	-29 5 7.79	-0.049	21	0.38	12.619	16	33.6	6.99	16	33.6	A0	J	13B	11387
76		8.5R	49 15.394	0.0028	21	-29 32 32.75	-0.017	21	0.38	15.348	16	33.6	32.47	16	33.6	A2	J	13B	11389
77		7.5R	49 17.332	-0.0007	18	-22 39 29.92	0.020	18	0.34	17.344	16	33.6	30.24	16	33.6	A2	J	14	12233
78		9.2R	49 21.388	0.0010	21	-29 36 21.64	-0.026	21	0.38	21.371	16	33.6	21.21	16	33.6	A0	M	13B	11391
79		8.6R	49 27.873	0.0005	18	-27 4 53.74	-0.034	18	0.34	27.864	16	33.6	53.19	16	33.6	A0	J	13B	11394
80		8.6R	49 29.545	0.0007	15	-25 30 52.35	0.061	15	0.29	29.534	16	33.6	53.35	16	33.6	G5	J	14	12235
81		9.4R	49 31.876	0.0006	18	-22 39 18.29	-0.029	18	0.34	31.867	16	33.6	17.81	16	33.6	F8	J	14	12236
82		9.0R	49 40.508	-0.0028	21	-24 51 14.32	-0.036	21	0.38	40.554	16	33.6	13.73	16	33.6	K2	J	14	12237
83		8.5R	49 51.282	0.0008	18	-24 12 16.31	-0.010	18	0.34	51.268	16	33.6	16.14	16	33.6	K5	J	14	12239
84		9.0R	49 51.337	-0.0017	20	-26 2 26.23	-0.008	15	0.33	51.365	16	33.6	26.10	16	33.6	K5	J	14	12238
85		9.3R	49 51.721	-0.0002	18	-23 18 58.76	-0.013	18	0.34	51.725	16	33.6	58.55	16	33.6	A2	J	14	12242
86		9.2R	49 54.670	0.0034	18	-24 29 21.81	-0.022	18	0.34	54.615	16	33.6	21.44	16	33.6	B9	J	14	12243
87		8.9R	49 54.819	-0.0013	12	-26 19 24.14	-0.024	12	0.25	54.841	16	33.6	23.75	16	33.6	K5	J	14	12240
88		9.0R	49 55.302	-0.0029	17	-28 51 22.12	0.035	17	0.31	55.350	16	33.6	22.69	16	33.6	B8	J	13B	11397
89		8.5R	49 55.903	0.0002	18	-24 40 3.55	-0.028	18	0.34	55.900	16	33.6	3.09	16	33.6	A0	J	14	12244
90		9.2R	49 56.723	-0.0025	15	-26 59 34.61	0.021	15	0.29	56.764	16	33.6	34.96	16	33.6	F5	M	14	12241
91		8.8A	50 3.719	0.0002	20	-20 50 24.04	-0.049	15	0.33	3.717	16	33.6	23.24	16	33.6	G5	J	13A	7328
92		7.7R	50 8.142	0.0002	15	-27 37 7.35	-0.011	15	0.29	8.139	16	33.6	7.17	16	33.6	A2	J	13B	11399
93		8.5R	50 11.770	0.0011	20	-28 2 49.81	0.015	17	0.34	11.752	16	33.6	50.06	16	33.6	A0	J	13B	11400
94		8.5R	50 12.356	0.0020	18	-22 31 35.90	0.004	18	0.34	12.324	16	33.6	35.97	16	33.6	K0	J	14	12246
95		9.0R	50 14.270	0.0008	18	-25 59 36.90	-0.044	18	0.34	14.257	16	33.6	36.18	16	33.6	B9	J	14	12245
96		9.5R	50 14.445	0.0003	18	-22 20 4.77	0.042	18	0.34	14.439	16	33.6	5.46	16	33.6	B8	J	14	12247
97		9.0R	50 20.554	-0.0005	18	-25 8 5.35	-0.009	18	0.34	20.561	16	33.6	5.20	16	33.6	K2	J	14	12248
98		9.0R	50 22.117	0.0019	18	-24 15 20.77	-0.036	18	0.34	22.086	16	33.6	20.18	16	33.6	B3	J	14	12249
99		8.7R	50 23.857	0.0020	18	-24 45 52.30	-0.002	18	0.34	23.825	16	33.6	52.27	16	33.6	B0	J	14	12250
00		6.8T	50 25.882	0.0005	09	-27 16 22.27	0.015	09	0.46	25.857	12	99.6	23.02	10	00.6	A2		GC	24308

SOURCE NUMBER: -20° 17H

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185900

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ s	σ_μ ″ .001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″ .001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ ″ .01	ep.	δ_2 ″	σ' ″ .01	ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	-20° 17H DM NUMBER
1		9.2R	17 50 27.624	0.0001	12	-29 22 41.37	0.007	12	0.25	27.623	16	33.6	41.48	16	33.6	K5 J	13B	11452	J -2914141
2		9.1R	50 28.623	0.0029	16	-24 8 18.24	-0.054	18	0.34	28.575	16	33.6	17.35	16	33.6	K2 J	14	12251	E -2413588
3		9.1A	50 29.029	0.0003	17	-21 45 31.99	0.001	12	0.28	29.025	16	33.6	32.00	16	33.6	F8 J	13A	7351	A -21 4768
4		8.7R	50 29.889	-0.0007	17	-28 59 44.18	-0.109	17	0.31	29.902	16	33.6	42.39	16	33.6	F2 J	13B	11454	J -2813779
5		9.1R	50 30.394	0.0030	18	-27 8 35.62	-0.011	18	0.34	30.345	16	33.6	35.45	16	33.6	A0 M	13B	11456	J -2712071
6		8.7R	50 31.628	0.0023	20	-29 0 9.36	-0.009	20	0.36	31.591	16	33.6	9.21	16	33.6	B3 J	13B	11455	J -2813780
7		9.0A	50 33.908	-0.0012	18	-21 8 40.14	-0.018	13	0.30	33.928	16	33.6	39.86	16	33.6	B9 J	13A	7333	A -21 4769
8		8.8R	50 37.924	0.0018	20	-29 22 39.60	-0.065	20	0.36	37.895	16	33.6	38.53	16	33.6	M0 J	13B	11457	J -2914148
9		8.8R	50 50.765	-0.0008	18	-24 34 17.39	-0.025	18	0.34	50.778	16	33.6	16.98	16	33.6	F5 J	14	12252	E -2413593
10		9.3R	50 55.184	0.0010	17	-29 0 56.41	-0.023	17	0.31	55.168	16	33.6	56.03	16	33.6	A0 J	13B	11410	J -2813796
11		9.5R	50 58.552	0.0013	18	-24 44 24.75	-0.001	18	0.34	58.531	16	33.6	24.73	16	33.6	A0 J	14	12253	E -2413597
12		9.5R	51 0.727	-0.0006	18	-23 26 17.30	-0.035	18	0.34	0.736	16	33.6	16.73	16	33.6	A0 M	14	12255	E -2313640
13		8.8R	51 4.327	-0.0026	21	-26 48 47.07	0.013	21	0.38	4.370	16	33.6	47.28	16	33.6	K7 M	14	12254	E -2612502
14		9.2R	51 11.269	0.0011	12	-29 50 35.85	-0.006	12	0.25	11.250	16	33.6	35.75	16	33.6	B8 J	13B	11413	J -2914164
15		8.7R	51 11.917	0.0007	15	-25 57 12.20	-0.030	15	0.29	11.905	16	33.6	11.71	16	33.6	G0 J	14	122565	E -2512413
16		9.0R	51 16.108	0.0006	20	-29 0 53.09	0.012	20	0.36	16.099	16	33.6	53.28	16	33.6	F0 J	13B	11414	J -2813805
17		8.7R	51 19.966	0.0046	18	-27 17 7.40	0.014	18	0.34	19.891	16	33.6	7.63	16	33.6	F5 M	13B	11415	J -2712068
18		8.3R	51 22.809	0.0006	18	-26 37 17.78	-0.154	18	0.34	22.799	16	33.6	15.25	16	33.6	G5 J	14	12257	E -2612509
19		8.8R	51 27.915	0.0031	17	-29 13 9.83	0.035	17	0.31	27.865	16	33.6	10.40	16	33.6	G5 J	13B	11417	J -2914171
20		9.1R	51 32.178	-0.0002	18	-27 57 55.14	-0.040	18	0.34	32.181	16	33.6	54.48	16	33.6	B9 J	13B	11418	J -2712091
21		9.5R	51 32.451	-0.0020	18	-23 39 32.37	-0.017	18	0.34	32.484	16	33.6	32.64	16	33.6	B5 J	14	12259	E -2313647
22		9.0A	51 36.608	-0.0013	11	-21 26 20.99	-0.017	09	0.22	36.629	16	33.6	20.71	16	33.6	A0 J	13A	7337	A -21 4771
23		9.2R	51 38.375	-0.0009	17	-28 8 16.37	0.010	17	0.31	38.391	16	33.6	16.53	16	33.6	K0 J	13B	11419	J -2813816
24		8.6A	51 41.379	0.0024	17	-21 0 48.52	0.050	13	0.29	41.340	16	33.6	49.35	16	33.6	K0 J	13A	7339	A -20 4907
25		9.2R	51 43.046	0.0028	20	-29 40 29.95	-0.012	20	0.36	43.000	16	33.6	29.75	16	33.6	A7 M	13B	11420	J -2914177
26		9.2R	51 44.062	0.0027	18	-24 42 31.65	-0.013	18	0.34	44.018	16	33.6	31.43	16	33.6	B8 J	14	12260	E -2413615
27		9.2R	51 48.803	0.0010	20	-28 44 54.50	0.018	20	0.36	48.787	16	33.6	54.79	16	33.6	A3 J	13B	11421	J -2813823
28		6.1T	51 49.256	-0.0003	03	-24 52 44.45	-0.002	04	0.21	49.269	07	99.6	44.35	07	01.3	B2	GC	24347	C*-2413615
29		8.7R	51 50.666	0.0050	20	-29 39 11.18	0.018	20	0.36	50.585	16	33.6	11.48	16	33.6	K0 J	13B	11422	J -2914180
30		8.5R	51 56.679	-0.0007	17	-29 48 12.78	0.026	17	0.31	56.691	16	33.6	13.21	16	33.6	F5 J	13B	11423	J -2914183
31		8.7R	51 58.068	0.0012	15	-27 32 1.30	-0.011	15	0.29	58.048	16	33.6	1.12	16	33.6	K2 J	13B	11426	J -2712099
32		8.6T	51 58.088	0.0001	12	-22 58 22.99	0.002	09	0.57	58.082	17	00.5	23.10	17	97.7	B8	GC	24351	-22 4454
33		8.7R	51 59.743	-0.0006	15	-24 11 29.20	-0.002	15	0.29	59.751	16	33.6	29.16	16	33.6	K2 J	14	12264	E -2413620
34		8.5R	52 2.861	-0.0025	20	-26 17 42.57	-0.010	20	0.36	2.903	16	33.6	42.41	16	33.6	A0 J	14	12265	E -2612524
35		8.6A	52 2.927	-0.0008	20	-20 23 54.04	-0.023	15	0.33	2.940	16	33.6	53.66	16	33.6	F5 J	13A	7340	A -20 4909
36		9.1R	52 3.920	-0.0033	13	-28 21 45.49	0.012	13	0.27	3.974	16	33.6	45.69	16	33.6	K0 J	13B	11427	J -2813828
37		9.1R	52 10.104	-0.0011	20	-28 20 28.74	0.005	00	0.28	10.122	16	33.6	28.82	16	33.6	B9 J	13B	11431	J -2813829
38		9.1R	52 10.382	0.0002	18	-23 58 51.68	0.025	18	0.34	10.380	16	33.6	52.09	16	33.6	F8 J	14	12266	E -2313656
39		8.9R	52 12.684	0.0027	20	-29 40 15.58	-0.007	20	0.36	12.639	16	33.6	15.46	16	33.6	K0 J	13B	11432	J -2914191
40		9.3R	52 22.088	-0.0021	18	-23 10 57.26	-0.013	18	0.34	22.123	16	33.6	57.04	16	33.6	B3 J	14	12267	E -2313658
41	8.3	8.3M	52 24.626	0.0006	21	-29 58 11.38	0.021	21	0.44	24.616	22	31.6	11.77	21	31.6	A5	C7	9570	C -2914196
42		9.0R	52 24.924	-0.0065	21	-28 10 39.99	-0.058	21	0.38	25.030	16	33.6	39.04	16	33.6	K0 J	13B	11439	J -2813844
43		8.5R	52 29.610	-0.0033	18	-26 55 25.91	-0.032	18	0.34	29.665	16	33.6	25.38	16	33.6	G5 J	14	12268	E -2612535
44		9.1R	52 31.641	0.0053	17	-29 15 50.27	0.023	17	0.31	31.554	16	33.6	50.64	16	33.6	B8 J	13B	11441	J -2914201
45		9.0R	52 32.027	-0.0012	18	-24 2 59.50	-0.009	18	0.34	32.045	16	33.6	59.34	16	33.6	A0 J	14	12270	E -2413630
46		9.1R	52 33.293	0.0012	18	-23 56 3.98	-0.000	18	0.34	33.274	16	33.6	3.98	16	33.6	K2 J	14	12271	E -2313661
47		9.2R	52 38.261	-0.0030	18	-22 25 3.34	-0.017	18	0.34	38.310	16	33.6	3.06	16	33.6	A0 J	14	12273	E -2212349
48		9.1R	52 39.316	-0.0002	20	-24 31 3.13	-0.010	20	0.36	39.320	16	33.6	3.29	16	33.6	B9 J	14	12272	E -2413633
49		9.1R	52 42.490	-0.0074	20	-24 30 50.38	-0.121	20	0.36	42.611	16	33.6	48.39	16	33.6	G5 J	14	12274	E -2413634
50		9.0R	52 43.746	0.0028	20	-27 1 40.08	-0.054	20	0.36	43.701	16	33.6	39.20	16	33.6	K7 J	13B	11446	J -2712117
51		9.0R	17 52 47.771	0.0017	18	-23 7 23.65	-0.008	18	0.34	47.744	16	33.6	23.52	16	33.6	A2 J	14	12275	E -2313662
52		9.4R	52 51.058	0.0044	20	-27 22 44.28	0.007	20	0.36	50.985	16	33.6	44.39	16	33.6	K5 J	13B	11450	J -2712118
53		9.0R	52 51.161	0.0021	21	-29 38 48.97	-0.021	21	0.38	51.126	16	33.6	48.63	16	33.6	K7 J	13B	11448	J -2914207
54		9.0R	52 51.473	0.0040	20	-28 42 58.50	0.020	20	0.36	51.408	16	33.6	58.83	16	33.6	B9 J	13B	11449	J -2813855
55		8.8R	52 57.290	0.0000	20	-26 50 23.30	-0.011	20	0.36	57.290	16	33.6	23.12	16	33.6	K0 J	14	12276	E -2612542
56		8.8R	52 58.663	0.0011	20	-27 1 3.37	-0.005	20	0.36	58.646	16	33.6	3.29	16	33.6	M0 J	13B	11452	J -2712122
57		8.5R	53 2.237	-0.0025	20	-25 11 28.63	0.034	20	0.36	2.277	16	33.6	29.19	16	33.6	K0 J	14	12277	E -2512447
58		9.3R	53 2.703	0.0014	20	-27 14 2.67	0.006	20	0.36	2.680	16	33.6	2.77	16	33.6	F8 J	13B	11453K	J -2712123
59		8.5R	53 7.968	-0.0012	21	-29 31 21.17	-0.045	21	0.38	7.987	16	33.6	20.43	16	33.6	F5 J	13B	11454	J -2914214
60		8.0R	53 9.202	-0.0023	20	-25 39 58.28	0.009	20	0.36	9.240	16	33.6	58.43	16	33.6	B9 J	14	12278	E -2512451
61		7.9R	53 9.308	0.0003	15	-22 27 11.63	-0.054	15	0.29	9.303	16	33.6	10.74	16	33.6	G5 J	14	12279	E -2212356
62		8.4R	53 10.492	-0.0026	21	-29 51 32.41	-0.049	21	0.38	10.535	16	33.6	31.60	16	33.6	A2 J	13B	11455	J -2914217
63		9.1R	53 13.917	0.0020	21	-29 0 55.61	-0.006	21	0.38	13.885	16	33.6	55.51	16	33.6	A2 J	13B	11457	J -2813868
64		8.8R	53 16.700	-0.0016	20	-25 15 21.55	-0.004	20	0.36	16.727	16	33.6	21.48	16	33.6	A2 J	14	12281	E -2512455
65		7.3T	53 16.974	-0.0013	08	-26 45 56.56	-0.063	08	0.42	17.039	12	99.7	53.40	12	99.7	G0	GC	24376	C -2612551
66		6.6T	53 20.655	0.0001	07	-21 56 57.00	-0.031	07	0.37	20.651	09	01.0	55.42	09	99.6	A0	GC	24380	B*-21 4779
67		9.2A	53 21.188	0.0102	20	-21 48 28.10	-0.075	15	0.33	21.020	16	33.6	26.87	16	33.6	F5 J	13A	7351	A -21 4780
68		9.1A	53 23.211	-0.0012	20	-22 47 37.46	-0.013	15	0.33	23.231	16	33.6	37.24	16	33.6	A0 J	13A	7352	A -22 4462
69		9.2A	53 24.902	-0.0008	20	-21 26 13.03	-0.008	15	0.33	24.915	16	33.6	12.90	16	33.6	A0 J	13A	7353	A -21 4781
70		8.9R	53 26.043	0.0018	12	-29 2 37.02	0.025	12	0.25	26.014	16	33.6	37.43	16	33.6	A3 J	13B	11461K	J -2914221
71		9.1R	53 26.786	0.0018	18	-24 12 2.92	0.018	18	0.34	26.756	16	33.6	3.20	16	33.6	A3 J	14	12282	E -2413648
72		8.0R	53 26.975	0.0019	18	-23 23 1.40	0.018	18	0.34	26.944	16	33.6	1.69	16	33.6	F0 J	14	12283	E -2313669
73		9.2R	53 29.435	0.0012	20	-27 38 57.81	0.029	20	0.36	29.416	16	33.6	58.29	16	33.6	A7 J	13B	11463	J -2712131
74		8.5R	53 30.494	-0.0005	21	-29 54 57.86	-0.039	21	0.38	30.502	16	33.6	57.22	16	33.6	B9 J	13B	11462	J -2914223
75		5.8T	53 32.335	0.0031	05	-28 3 33.28	-0.018	05	0.26	32.192	09	04.4	32.46	09	03.9	A3	GC	24386	C -2813878
76		8.4R	53 49.062	-0.0002	17	-27 7 48.29	-0.011	17	0.31	49.066	16	33.6	48.12	16	33.6	B9 J	13B	11468	J -2712143
77		8.8A	53 50.146	-0.0013	20	-20 51 17.98	-0.041	15	0.33	50.167	16	33.6	17.31	16	33.6	K7 J	13A	7354	A -20 4921
78		9.2R	53 50.305	0.0010	20	-28 7 23.46	0.014	20	0.36	50.288	16	33.6	25.70	16	33.6	A2 J	13B	11467	J -2813884
79		8.6R	53 50.338	0.0018	18	-24 40 57.16	-0.027	18	0.34	50.308	16	33.6	56.72	16	33.6	K2 J	14	12284	E -2413657
80		8.5R	53 56.493	0.0019	18	-24 25 3.61	-0.036	18	0.34	56.461	16	33.6	3.01	16	33.6	A3 J	14	12285	E -2413659
81		6.9T	54 4.041	0.0005	04	-23 56 1.33	0.012	05	0.24	4.018	09	03.2	1.88	10	02.5	K5	GC	24397	C*-2313678
82		8.7R	54 4.976	0.0003	18	-24 59 43.00	-0.031	18	0.34	4.972	16	33.6	42.49	16	33.6	B8 J	14	12286	E -2413662
83		9.0R	54 11.169	0.0014	18	-23 8 34.27	-0.001	18	0.34	11.146	16	33.6	34.26	16	33.6	B8 J	14	12289	E -2313681
84		9.3R	54 11.961	0.0053	20	-28 10 55.73	-0.013	20	0.36	11.874	16	33.6	55.52	16	33.6	G0 J	13B	11475	J -2813894
85		9.2R	54 13.679	-0.0011	21	-29 34 8.73	0.044	21	0.38	13.697	16	33.6	9.45	16	33.6	B3 J	13B	11474	J -2914239
86		8.8A	54 15.541	-0.0009	17	-20 11 34.80	-0.025	12	0.28	15.556	16	33.6	34.39	16	33.6	K5 J	13A	7358	A -20 4922
87		9.2R	54 16.163	-0.0003	20	-28 14 59.32	0.045	20	0.36	16.167	16	33.6	* 0.06	16	33.6	B	13B	11477	J -2813895
88		9.3R	54 21.621	-0.0002	12	-25 22 57.25	0.012	12	0.25	21.625	16	33.6	57.45	16	33.6	B9 J	14	12290	E -2512482
89		9.1R	54 24.318	-0.0025	21	-29 51 22.51	-0.050	21	0.38	24.359	16	33.6	21.69	16	33.6	K5 J	13B	11478	J -2914248
90		9.0R	54 26.904	0.0001	00	-26 53 57.01	-0.006	18	0.26	26.903	16	33.6	56.91	16	33.6	M0 J	14	12291	E -2612580
91		8.6R	54 29.375	0.0013	12	-25 4 39.09	-0.008	12	0.25	29.353	16	33.6	38.96	16	33.6	A2 J	14	12292	E -2512484
92		9.3R	54 33.423	0.0032	15	-25 22 29.52	-0.023	15	0.29	33.371	16	33.6	29.14	16	33.6	K0 J	14	12293	E -2512486
93		8.7R	54 34.314	0.0015	12	-28 33 56.39	0.006	12	0.25	34.289	16	33.6	56.49	16	33.6	K5 J	13B	11481	J -2813907
94		8.7R	54 34.918	-0.0006	21	-29 34 4.58	0.005	21	0.38	34.927	16	33.6	4.66	16	33.6	B8 J	13B	11480	J -2914250
95		8.5A	54 38.697	0.0000	20	-20 37 24.92	-0.038	15	0.33	38.697	16	33.6	24.31	16	33.6	F0 J	13A	7364	A -20 4924
96		8.7R	54 40.133	0.0008	17	-28 38 3.41	-0.012	17	0.31	40.120	16	33.6	3.21	16	33.6	B9 J	13B	11482	J -2813909
97		9.4R	54 41.764	0.0027	18	-24 46 49.50	-0.018	18	0.34	41.720	16	33.6	49.20	16	33.6	A0 J	14	12296	E -2413675
98		9.0R	54 41.984	0.0008	20	-26 50 4.43	0.012	20	0.36	41.972	16	33.6	4.63	16	33.6	A5 M	14	12294	E -2612586
99		9.0R	54 42.302	0.0023	18	-23 28 56.78	0.011	18	0.34	42.264	16	33.6	56.96	16	33.6	M0 J	14	12297	E -2313693
00		8.8R	54 42.336	0.0006	20	-27 0 27.00	0.029	20	0.36	42.326	16	33.6	27.48	16	33.6	M1 J	14	12295	E -2612585

186000			EPOCH 1950							ORIGINAL EPOCH						SP.		SOURCE		-20° 17H
NUMBER	MAGNITUDES		α_{1950}	μ	σ_μ	δ_{1950}	μ'	σ'_μ	σ_{1950}	α_2	σ	ep.	δ_2	σ'	ep.			CAT.	STAR NUMBER	
	m_{pg}	m_v	h m s	s	″.001	° ′ ″	″	″.001	″	s	″.01		″	″.01						DM NUMBER
1		8.7R	17 54 42.791	-0.0010	18	-22 13 44.51	-0.027	18	0.34	42.808	16	33.6	44.06	16	33.6	K5	J	14	12298	E -2212373
2		9.3R	54 44.205	0.0003	21	-29 47 16.91	-0.124	21	0.38	44.200	16	33.6	14.88	16	33.6	B3	J	13B	11483	J -2914253
3		9.2R	54 46.023	-0.0021	21	-29 10 51.49	-0.031	21	0.38	46.058	16	33.6	50.98	16	33.6	G0	J	13B	11484	J -2914255
4		9.3R	54 49.917	-0.0052	22	-24 15 52.80	-0.038	22	0.40	50.002	16	33.6	52.17	16	33.6			14	12300	E*-2413681
5		9.0R	54 52.334	0.0026	21	-29 4 6.29	0.011	21	0.38	52.292	16	33.6	6.47	16	33.6	B8	J	13B	11486	J -2914259
6		9.1R	54 52.808	0.0009	18	-22 33 53.27	0.001	18	0.34	52.793	16	33.6	53.28	16	33.6	A0	J	14	12301	E -2212376
7		9.3R	54 53.506	-0.0010	20	-27 28 23.64	-0.006	20	0.36	53.523	16	33.6	23.55	16	33.6	A0	J	13B	11488	J -2712174
8		8.7R	54 53.750	-0.0012	18	-22 58 17.71	-0.019	18	0.34	53.770	16	33.6	17.40	16	33.6	K0	J	14	12302	E -2212377
9		8.4R	54 55.471	0.0018	17	-29 34 44.49	-0.009	17	0.31	55.441	16	33.6	44.34	16	33.6	K2	J	13B	11487	J -2914261
10		9.0R	54 59.197	0.0012	20	-28 9 27.83	0.033	20	0.36	59.178	16	33.6	28.37	16	33.6	B9	J	13B	11489	J -2813919
11		8.8R	55 0.031	-0.0021	17	-28 8 15.62	-0.029	17	0.31	0.066	16	33.6	15.14	16	33.6	B5	J	13B	11490	J -2813921
12		9.1A	55 0.269	0.0016	18	-22 10 7.16	0.004	12	0.30	0.242	16	33.6	7.22	16	33.6	G	J	13A	7369	A -22 4470
13		8.9A	55 5.547	-0.0013	18	-20 35 12.27	-0.022	12	0.30	5.569	16	33.6	11.91	16	33.6	B8	J	13A	7370	A -20 4927
14		9.6R	55 5.703	0.0005	17	-26 36 33.79	0.032	17	0.31	5.695	16	33.6	34.31	16	33.6	K5	J	14	12303	E -2612599
15		9.2R	55 6.814	-0.0006	21	-28 5 11.89	-0.008	21	0.38	6.823	16	33.6	11.76	16	33.6	K0	J	13B	11491	J -2813925
16		9.0R	55 13.069	0.0044	21	-29 15 33.94	0.011	21	0.38	12.998	16	33.6	34.12	16	33.6	A0	J	13B	11493	J -2914267
17		8.8R	55 15.053	0.0012	15	-25 8 18.80	-0.021	15	0.29	15.033	16	33.6	18.46	16	33.6	M0	J	14	12304	E -2512503
18		8.8R	55 16.437	0.0026	18	-23 41 52.56	-0.003	18	0.34	16.393	16	33.6	52.50	16	33.6	A0	J	14	12305	E -2313705
19		8.8R	55 20.335	0.0002	18	-26 5 17.40	-0.026	18	0.34	20.332	16	33.6	16.97	16	33.6	K0	J	14	12306	E -2612606
20		9.2R	55 24.455	-0.0009	21	-24 0 54.00	-0.034	21	0.38	24.469	16	33.6	53.43	16	33.6	B5	J	14	12307	E -2313708
21		9.0R	55 25.487	-0.0009	20	-28 2 50.32	-0.056	20	0.36	25.501	16	33.6	51.24	16	33.6	A0	J	13B	11497	J -2813934
22		9.2R	55 27.782	0.0013	18	-24 24 49.38	-0.013	18	0.34	27.760	16	33.6	49.15	16	33.6	B5	J	14	12308	E -2413698
23		8.5R	55 28.076	0.0009	15	-27 31 1.91	-0.037	15	0.29	28.062	16	33.6	1.30	16	33.6	B8	J	13B	11501	J -2712187
24		9.4R	55 28.319	0.0010	21	-29 34 58.40	-0.017	21	0.38	28.302	16	33.6	58.12	16	33.6	K0	J	13B	11498	J -2914275
25		6.0T	55 28.606	0.0001	06	-28 45 19.94	-0.010	06	0.30	28.599	09	05.0	19.48	09	04.1	B5		GC	24434	C -2813936
26		8.8A	55 28.797	0.0002	20	-20 16 11.91	-0.031	15	0.33	28.793	16	33.6	11.40	16	33.6	K0	J	13A	7375	A -20 4929
27		8.6R	55 35.370	0.0010	12	-29 55 5.21	-0.005	12	0.25	35.354	16	33.6	5.13	16	33.6	F0	J	13B	11503	J -2914278
28		8.8R	55 40.698	0.0026	21	-29 33 16.78	-0.005	21	0.38	40.656	16	33.6	16.70	16	33.6	K0	J	13B	11506	J -2914281
29		8.6R	55 42.510	0.0014	18	-26 49 29.43	0.001	18	0.34	42.487	16	33.6	29.44	16	33.6	K0	J	14	12309	E -2612615
30		9.1R	55 46.633	-0.0022	21	-28 4 47.61	-0.016	21	0.38	46.670	16	33.6	47.34	16	33.6	A0	J	13B	11509	J -2813944
31		8.6R	55 47.062	-0.0021	20	-28 53 53.93	-0.064	20	0.36	47.097	16	33.6	52.88	16	33.6	K0	J	13B	11508	J -2813943
32		9.0R	55 48.889	0.0012	20	-25 16 43.15	0.004	20	0.36	48.869	16	33.6	43.22	16	33.6	K5	J	14	12311	E -2512521
33		8.5R	55 48.921	-0.0002	15	-25 48 14.14	-0.019	15	0.29	48.924	16	33.6	13.83	16	33.6	A2	J	14	12310	E -2512519
34		8.8R	55 49.145	0.0009	18	-27 22 46.84	0.002	18	0.34	49.130	16	33.6	46.88	16	33.6	A2	J	13B	11513	J -2712195
35		9.3R	55 49.527	-0.0031	15	-24 1 6.65	-0.005	15	0.29	49.579	16	33.6	6.56	16	33.6	K5	J	14	12312	E -2313709
36		8.6T	55 55.493	-0.0220	26	-22 22 44.67	-0.112	22	1.12	56.493	19	04.6	39.38	18	02.9	G0		GC	24454	-22 4475
37		6.9T	55 55.681	-0.0017	12	-22 30 50.91	0.014	15	0.66	55.762	14	01.6	51.58	14	02.3	B0		GC	24456	-22 4474
38		8.9R	55 56.660	0.0001	15	-25 11 11.08	0.015	15	0.29	56.659	16	33.6	11.33	16	33.6	B0	J	14	12313	E -2512523
39		9.3R	55 57.012	0.0020	21	-29 24 33.41	0.008	21	0.38	56.980	16	33.6	33.54	16	33.6	F0	J	13B	11514	J -2914289
40		9.1R	56 2.385	-0.0013	15	-27 7 32.14	0.016	15	0.29	2.406	16	33.6	32.40	16	33.6	A5	J	13B	11519	J -2712200
41		7.1T	56 3.599	0.0015	13	-29 23 14.42	-0.030	10	0.63	3.520	18	99.2	12.75	18	94.5	K0		GC	24460	C -2914292
42		8.0A	56 5.476	0.0006	20	-20 3 34.08	-0.052	15	0.33	5.465	16	33.6	33.23	16	33.6	B8	J	13A	7380	A -20 4934
43		9.1R	56 5.841	0.0005	18	-24 25 30.63	-0.010	18	0.34	5.834	16	33.6	30.45	16	33.6	A5	M	14	12316	E -2413715
44		8.4R	56 6.020	0.0008	18	-23 18 47.11	-0.011	18	0.34	6.007	16	33.6	47.29	16	33.6	B5	J	14	12317	E -2313721
45		8.7R	56 8.983	0.0008	20	-27 57 26.07	-0.024	20	0.36	8.970	16	33.6	25.68	16	33.6	A0	J	13B	11522	J -2712203
46		8.6R	56 9.868	0.0010	20	-27 1 20.29	-0.033	20	0.36	9.852	16	33.6	19.76	16	33.6	A2	J	13B	11523	J -2712205
47		8.2R	56 10.100	0.0009	15	-25 48 58.17	-0.025	15	0.29	10.086	16	33.6	57.76	16	33.6	B9	J	14	12318	E -2512526
48		9.0R	56 10.643	-0.0020	21	-29 51 72	-0.027	21	0.38	10.677	16	33.6	51.27	16	33.6	B9	J	13B	11521	J -2914296
49		9.0R	56 15.596	-0.0012	18	-23 4 59.35	-0.002	18	0.34	15.616	16	33.6	59.32	16	33.6	K2	J	14	12320	E -2313723
50		9.0R	56 16.215	-0.0011	18	-26 24 3.16	-0.029	18	0.34	16.232	16	33.6	2.69	16	33.6	B8	J	14	12319	E -2612626
51		9.2R	17 56 23.074	0.0022	21	-29 2 29.58	0.004	21	0.38	23.038	16	33.6	29.64	16	33.6	A2	J	13B	11526	J -2914299
52		9.2R	56 23.637	0.0001	20	-27 52 26.60	-0.011	20	0.36	23.635	16	33.6	26.42	16	33.6	K7	J	13B	11527	J -2712209
53		7.5R	56 24.923	0.0005	18	-22 27 51.74	0.002	18	0.34	24.914	16	33.6	51.77	16	33.6	B2	J	14	12322	E -2212392
54		9.0R	56 28.235	0.0003	21	-28 42 10.37	-0.007	21	0.38	28.230	16	33.6	10.25	16	33.6	G5	J	13B	11529	J -2813968
55		7.9R	56 28.735	0.0024	20	-27 4 2.72	-0.028	20	0.36	28.695	16	33.6	2.27	16	33.6	K5	J	13B	11530	J -2712211
56		9.1R	56 30.357	-0.0013	15	-26 38 20.47	-0.029	15	0.29	30.379	16	33.6	20.00	16	33.6	B8	J	14	12321	E -2612632
57		8.0A	56 32.156	-0.0004	18	-21 2 35.77	-0.015	12	0.30	32.163	16	33.6	35.53	16	33.6	K0	J	13A	7384	A -21 4806
58		9.0R	56 35.699	-0.0003	18	-22 59 43.64	-0.067	18	0.34	35.704	16	33.6	42.55	16	33.6			14	12323	E*-2212393
59		8.8R	56 38.648	-0.0001	18	-22 56 43.25	-0.019	18	0.34	38.649	16	33.6	42.94	16	33.6	F0	J	14	12324	E -2212394
60		9.1R	56 41.548	0.0002	21	-29 14 48.78	-0.015	21	0.38	41.544	16	33.6	48.53	16	33.6	A5	J	13B	11533	J -2914305
61		4.8T	56 44.290	0.0002	03	-23 48 48.01	-0.043	03	0.18	44.279	06	95.2	45.71	06	97.1	A0		GC	24483	C*-2313731
62		8.6R	56 44.406	-0.0001	20	-27 37 36.70	-0.015	20	0.36	44.408	16	33.6	36.45	16	33.6	K5	J	13B	11534	J -2712218
63		9.1R	56 45.990	-0.0010	20	-22 37 49.36	-0.021	20	0.36	45.973	16	33.6	49.02	16	33.6	K5	J	14	12327	E -2212395
64		8.9R	56 49.022	-0.0011	15	-22 39 17.68	-0.016	15	0.29	49.040	16	33.6	17.42	16	33.6	A0	J	14	12329	E -2212397
65		8.3R	56 49.312	0.0009	20	-25 9 36.09	-0.017	20	0.36	49.297	16	33.6	35.81	16	33.6	A0	J	14	12326	E -2512542
66		9.3R	56 54.871	0.0011	20	-27 44 6.87	0.026	20	0.36	54.853	16	33.6	7.30	16	33.6	B9	J	13B	11537	J -2712223
67		8.1R	56 54.903	-0.0019	15	-25 5 5.03	-0.017	15	0.29	54.934	16	33.6	4.75	16	33.6	B8	J	14	12330	E -2512544
68		8.5R	56 57.640	-0.0008	20	-29 49 59.10	-0.058	20	0.36	57.653	16	33.6	58.15	16	33.6	B3	J	13B	11536	J -2914312
69		7.5R	56 59.319	0.0008	18	-22 32 46.82	0.042	18	0.34	59.306	16	33.6	47.52	16	33.6	B5	J	14	12331	E -2212401
70		6.5T	57 1.535	0.0003	05	-20 20 14.12	-0.008	06	0.31	1.517	09	98.1	13.70	10	97.0	K0		GC	24490	-20 4940
71		8.6R	57 2.602	0.0012	18	-23 7 30.50	0.005	18	0.34	2.582	16	33.6	30.59	16	33.6	B3	J	14	12332	E -2313741
72		8.2R	57 2.997	-0.0013	21	-29 53 26.95	-0.012	21	0.38	3.019	16	33.6	26.75	16	33.6	K5	J	13B	11540	J -2914317
73		8.4R	57 3.691	0.0018	20	-27 36 28.40	0.014	20	0.36	3.662	16	33.6	28.64	16	33.6	G5	J	13B	11541	J -2712227
74		6.7T	57 7.511	0.0022	04	-24 16 54.82	-0.033	04	0.22	7.462	09	00.2	53.22	10	02.1	K0		GC	24492	C*-2413736
75		8.9A	57 7.715	0.0001	20	-21 43 52.26	-0.009	15	0.33	7.713	16	33.6	52.11	16	33.6	K0	J	13A	7390	A -21 4810
76		8.9R	57 9.677	-0.0010	17	-28 37 9.43	-0.001	20	0.34	9.693	16	33.6	9.41	16	33.6	B0	J	13B	11542	J -2813994
77		9.2R	57 12.545	0.0011	15	-24 2 0.06	0.008	15	0.29	12.526	16	33.6	0.19	16	33.6	M	M	14	12334	E -2413739
78		9.1R	57 12.735	0.0032	17	-29 15 38.51	-0.013	17	0.31	12.684	16	33.6	38.30	16	33.6	B3	J	13B	11543	J -2914321
79		8.0R	57 15.836	0.0006	20	-29 49 22.70	0.004	20	0.36	15.826	16	33.6	22.76	16	33.6	B2	J	13B	11544	J -2914322
80		9.2R	57 22.024	-0.0009	15	-22 57 47.53	-0.010	15	0.29	22.039	16	33.6	47.37	16	33.6	A0	J	14	12336	E -2212411
81		9.4R	57 22.076	0.0021	18	-23 30 3.19	-0.001	18	0.34	22.041	16	33.6	3.16	16	33.6	B5	J	14	12335	E -2313751
82		9.0R	57 22.377	0.0022	15	-27 43 17.11	-0.033	15	0.29	22.342	16	33.6	16.57	16	33.6	B9	J	13B	11547	J -2712237
83		8.7A	57 22.967	0.0004	20	-21 27 55.71	-0.007	15	0.33	22.961	16	33.6	55.60	16	33.6	B8	J	13A	7391	A -21 4813
84		9.1R	57 24.120	0.0021	20	-28 37 13.02	0.013	20	0.36	24.086	16	33.6	13.23	16	33.6	K5	M	13B	11548	J -2813999
85		8.9R	57 32.740	0.0015	12	-28 42 36.59	0.015	12	0.25	32.715	16	33.6	36.83	16	33.6	A0	J	13B	11550	J -2814005
86		8.6R	57 37.922	0.0006	18	-24 40 33.95	-0.001	18	0.34	37.913	16	33.6	33.93	16	33.6	B3	J	14	12338	E -2413743
87		8.9R	57 38.031	0.0003	21	-29 51 2.62	-0.006	21	0.38	38.026	16	33.6	2.52	16	33.6	K7	J	13B	11551	J -2914333
88		8.8R	57 43.744	-0.0014	21	-29 54 5.10	-0.003	21	0.38	43.767	16	33.6	5.05	16	33.6	B3	J	13B	11552	J -2914334
89		8.8R	57 46.335	0.0004	18	-24 47 14.38	-0.014	18	0.34	46.328	16	33.6	14.15	16	33.6	A0	J	14	12339	E -2413744
90		9.0R	57 47.745	0.0002	21	-28 35 48.45	0.005	21	0.38	47.743	16	33.6	48.53	16	33.6	A0	J	13B	11553	J -2814013
91		8.4R	57 48.489	-0.0003	18	-24 12 30.59	-0.001	18	0.34	48.494	16	33.6	30.57	16	33.6	B5	J	14	12341	E -2413745
92		8.4R	57 50.165	-0.0002	18	-26 13 19.25	-0.045	18	0.34	50.169	16	33.6	18.51	16	33.6	K0	J	14	12340	E -2612665
93		9.4R	57 50.964	0.0021	18	-23 30 32.74	-0.006	18	0.34	50.929	16	33.6	32.64	16	33.6	A0	J	14	12342	E -2313765
94		9.0R	57 52.204	0.0026	18	-22 15 15.68	0.010	18	0.34	52.162	16	33.6	15.84	16	33.6	B8	J	14	12344	E -2212419
95		9.3R	57 55.372	0.0009	20	-27 44 18.34	-0.044	20	0.36	55.358	16	33.6	17.62	16	33.6	G0	J	13B	11556	J -2712251
96		8.6R	57 57.230	0.0010	18	-24 9 11.89	-0.001	18	0.34	57.215	16	33.6	11.86	16	33.6	B8	J	14	12345	E -2413749
97		9.4R	57 58.033	-0.0009	20	-26 53 47.00	0.029	20	0.36	58.048	16	33.6	47.47	16	33.6	K7	J	14	12343	E -2612666
98		8.4A	57 58.191	-0.0001	20	-20 59 14.59	-0.022	15	0.33	58.193	16	33.6	14.23	16	33.6	B9	J	13A	7399	A -20 4944
99		8.1R	58 1.100	0.0008	21	-29 20 27.91	-0.039	21	0.38	1.087	16	33.6	27.27	16	33.6	F5	J	13B	11558	J -2914343
00		7.7R	58 1.197	0.0055	20	-29 26 35.14	-0.051	20	0.36	1.107	16	33.6	34.30	16	33.6	K0	J	13B	11557	J -2914342

186100 — EPOCH 1950 — ORIGINAL EPOCH — SOURCE — -20° 17H

NUMBER	MAGNITUDES m_{pg}	m_v	α_{1950} h m s	μ s	σ_μ ".001	δ_{1950} ° ' "	μ' "	$\sigma_{\mu'}$ ".001	σ_{1950} "	α_2 s	σ ".01	ep.	δ_2 "	σ' ".01	ep.	SP.		CAT.	STAR NUMBER	DM NUMBER
1		8.9R	17 58 1.728	0.0011	21	-28 45 50.61	-0.033	21	0.38	1.710	16	33.6	50.07	16	33.6	K2	J	13B	11559	J -2814019
2		9.1R	58 5.340	-0.0020	21	-28 59 37.50	-0.003	21	0.38	5.374	16	33.6	37.45	16	33.6	A0	J	13B	11562	J -2814021
3		8.7R	58 5.628	0.0015	18	-22 35 51.32	-0.001	18	0.34	5.604	16	33.6	51.30	16	33.6	B8	J	14	12346	E -2212422
4		8.3R	58 7.392	-0.0007	18	-23 33 13.15	0.024	18	0.34	7.403	16	33.6	13.53	16	33.6	B8	J	14	12347	E -2313775
5		8.5A	58 8.832	0.0007	20	-20 31 10.52	-0.013	15	0.33	8.821	16	33.6	10.31	16	33.6	K5	J	13A	7403	A -20 4946
6		8.8R	58 10.222	0.0012	20	-25 6 25.37	0.029	20	0.36	10.203	16	33.6	25.85	16	33.6	K7	J	14	12348	E -2512578
7		9.0R	58 12.722	0.0031	21	-29 52 24.85	-0.031	21	0.38	12.671	16	33.6	24.34	16	33.6	G0	J	13B	11563	J -2914346
8		9.4R	58 14.812	0.0007	18	-23 56 42.12	0.015	18	0.34	14.800	16	33.6	42.36	16	33.6	B3	J	14	12353	E -2313779
9		7.5R	58 15.025	-0.0006	17	-29 35 14.98	0.020	17	0.31	15.034	16	33.6	15.31	16	33.6	A0	J	13B	11564	J -2914349
10		9.4R	58 15.092	-0.0012	20	-27 41 5.05	0.032	20	0.36	15.111	16	33.6	5.58	16	33.6	K0	M	13B	11565	J -2712256
11		8.5R	58 15.738	0.0017	18	-24 37 54.92	0.011	18	0.34	15.711	16	33.6	55.10	16	33.6	K5	J	14	12352	E -2413753
12		8.4R	58 15.997	-0.0008	15	-26 58 35.77	-0.113	15	0.29	16.011	16	33.6	33.92	16	33.6	G5	J	14	12350	E -2612675
13		8.7R	58 16.115	-0.0017	12	-26 46 24.91	-0.021	12	0.25	16.142	16	33.6	24.57	16	33.6	K0	J	14	12351	E -2612673
14		9.2R	58 17.632	-0.0032	21	-28 31 53.68	-0.095	21	0.38	17.684	16	33.6	52.12	16	33.6	F8	J	13B	11566	J -2814024
15		9.1R	58 17.926	-0.0042	17	-28 43 35.21	-0.166	17	0.31	17.995	16	33.6	32.16	16	33.6	K0	J	13B	11567	J -2814025
16		9.0R	58 19.197	-0.0001	21	-28 47 11.29	0.010	21	0.38	19.198	16	33.6	11.45	16	33.6	G0	J	13B	11568	J -2814026
17		9.0R	58 19.649	0.0012	18	-24 19 15.49	-0.016	18	0.34	19.630	16	33.6	15.22	16	33.6	A0	J	14	12354	E -2413755
18		8.9R	58 21.105	-0.0007	18	-23 9 52.64	-0.004	18	0.34	21.117	16	33.6	52.58	16	33.6	A2	J	14	12355	E -2313781
19		9.0R	58 23.078	0.0012	17	-29 52 14.09	-0.025	17	0.31	23.058	16	33.6	13.68	16	33.6	K5	J	13B	11570	J -2914353
20		9.3R	58 33.295	0.0002	20	-27 57 23.15	0.013	20	0.36	33.292	16	33.6	23.36	16	33.6	B9	J	13B	11574	J -2712263
21		9.3R	58 34.332	-0.0009	20	-27 0 55.16	-0.048	20	0.36	34.347	16	33.6	54.37	16	33.6	K7	J	13B	11575	J -2712265
22		9.1R	58 34.345	0.0021	18	-23 20 15.29	-0.022	18	0.34	34.311	16	33.6	14.93	16	33.6	M	M	14	12356	E -2313785
23		9.1A	58 36.130	-0.0013	20	-20 39 43.94	-0.015	15	0.33	36.152	16	33.6	43.70	16	33.6	G5	J	13A	7408	A -20 4947
24		9.5R	58 36.207	-0.0014	18	-23 45 12.76	0.016	18	0.34	36.230	16	33.6	13.01	16	33.6	F0	J	14	12358	E -2313786
25		9.3R	58 37.565	-0.0012	20	-27 37 46.60	-0.050	20	0.36	37.584	16	33.6	45.79	16	33.6	K5	J	13B	11577	J -2712266
26		7.6T	58 38.059	-0.0017	12	-22 7 53.49	0.020	09	0.57	38.145	17	99.7	54.51	17	97.6	B0		GC	24520	-22 4500
27		8.6R	58 39.167	-0.0019	20	-26 37 36.93	-0.013	20	0.36	39.199	16	33.6	36.71	16	33.6	K0	J	14	12357	E -2612685
28		9.0R	58 39.406	0.0013	21	-29 15 25.54	-0.026	21	0.38	39.385	16	33.6	25.11	16	33.6	A0	J	13B	11576	J -2914357
29		9.5R	58 41.106	0.0042	20	-25 37 35.78	-0.025	20	0.36	41.037	16	33.6	35.38	16	33.6	G0	J	14	12359	E -2512588
30		9.0R	58 42.320	0.0006	17	-27 52 39.05	0.025	17	0.31	42.310	16	33.6	39.46	16	33.6	K2	J	13B	11579	J -2712269
31		8.5R	58 42.955	0.0018	18	-23 10 42.50	0.005	18	0.34	42.927	16	33.6	42.59	16	33.6	B5	J	14	12361	E -2313789
32		8.5R	58 46.692	0.0017	18	-24 9 26.58	-0.007	18	0.34	46.664	16	33.6	26.46	16	33.6	B8	J	14	12362	E -2413765
33		8.4R	58 48.059	0.0011	18	-24 22 2.70	-0.010	18	0.34	48.041	16	33.6	2.52	16	33.6	K0	J	14	12363	E -2413767
34		8.8R	58 49.050	0.0003	18	-24 18 48.20	0.001	18	0.34	49.045	16	33.6	48.20	16	33.6			14	12364	E -2413768
35		5.7T	58 52.517	-0.0002	04	-22 46 51.09	-0.009	04	0.23	52.525	07	02.5	50.66	09	02.0	B0		GC	24526K	-22 4503
36		9.0R	58 57.189	-0.0051	20	-26 28 59.91	-0.016	20	0.36	57.272	16	33.6	59.65	16	33.6	A0	J	14	12365	E -2612690
37		8.7R	58 57.338	0.0015	15	-25 0 55.80	0.017	15	0.29	57.313	16	33.6	56.08	16	33.6	K5	J	14	12367	E -2512595
38		8.7R	58 57.534	-0.0019	21	-28 23 27.49	0.015	21	0.38	57.566	16	33.6	27.74	16	33.6	F5	J	13B	11582	J -2814035
39		8.5R	59 15.035	0.0022	18	-24 52 12.80	0.013	18	0.34	14.999	16	33.6	13.01	16	33.6	G5	J	14	12370	E -2413775
40		8.8R	59 15.958	-0.0013	15	-26 1 6.97	-0.043	15	0.29	15.980	16	33.6	6.26	16	33.6	F8	J	14	12369	E -2612698
41		9.0R	59 17.392	0.0014	18	-22 19 47.62	-0.060	18	0.34	17.369	16	33.6	46.63	16	33.6	M0	J	14	12371	E -2212454
42		9.1R	59 20.538	-0.0033	21	-29 20 57.19	-0.056	21	0.38	20.592	16	33.6	56.27	16	33.6	K0	M	13B	11585	J -2914378
43		9.4T	59 20.794	-0.0009	12	-23 2 4.71	-0.012	13	0.69	20.839	18	97.9	4.08	18	97.7			GC	24536K	C -2313804
44		8.6A	59 21.261	0.0009	18	-21 57 50.68	0.025	12	0.30	21.247	16	33.6	51.08	16	33.6	K0	J	13A	7412	A -21 4823
45		6.9T	59 21.336	0.0002	12	-23 1 53.95	0.009	12	0.66	21.324	18	96.9	54.43	18	96.6	OE5		GC	24537K	C*-2313804
46		9.1R	59 22.034	-0.0010	20	-28 35 25.29	-0.053	20	0.36	22.050	16	33.6	24.42	16	33.6	A2	J	13B	11586	J -2814044
47		9.0R	59 24.407	-0.0001	20	-26 6 50.68	-0.043	20	0.36	24.408	16	33.6	49.98	16	33.6	A0	J	14	12372	E -2612701
48		8.8R	59 28.862	0.0034	20	-27 16 27.12	0.009	20	0.36	28.807	16	33.6	27.27	16	33.6	M0	J	13B	11591	J -2712293
49		7.3T	59 29.731	0.0008	12	-22 54 24.39	-0.002	10	0.57	29.689	17	99.0	24.29	17	98.3	F5		GC	24543	B*-22 4510
50		9.5R	59 30.065	0.0017	18	-24 35 48.16	-0.012	18	0.34	30.038	16	33.6	47.96	16	33.6	A0	J	14	12375	E -2413780
51		8.3R	17 59 31.822	-0.0003	17	-29 32 15.37	0.017	17	0.31	31.827	16	33.6	15.65	16	33.6	F8	J	13B	11590	J -2914388
52		6.9T	59 34.730	0.0002	08	-24 15 24.62	-0.006	07	0.45	34.719	15	93.3	24.24	15	92.0	B3		GC	24545	C -2413783
53		9.4R	59 34.862	0.0010	20	-24 3 6.18	-0.038	20	0.36	34.845	16	33.6	5.55	16	33.6	B9	J	14	12378	E -2413786
54		8.5R	59 35.850	-0.0012	20	-24 14 52.79	-0.022	20	0.36	35.869	16	33.6	52.42	16	33.6			14	12379	E -2413785
55		9.3R	59 35.886	0.0009	15	-23 15 18.60	-0.018	15	0.29	35.872	16	33.6	18.31	16	33.6	B5	J	14	12381	E -2313807
56		7.9T	59 36.205	0.0029	15	-29 22 4.86	-0.015	12	0.71	36.060	15	00.9	4.09	17	99.0	B8		GC	24546	C -2914389
57		9.2R	59 37.606	0.0009	20	-24 33 41.76	-0.044	20	0.36	37.591	16	33.6	41.04	16	33.6	A0	J	14	12380	E -2413787
58		6.9T	59 38.211	-0.0002	04	-20 44 19.75	0.004	04	0.22	38.223	07	01.7	19.96	09	00.4	B3		GC	24548	-20 4952
59		8.1A	59 39.053	-0.0007	18	-21 30 36.11	-0.005	15	0.31	39.065	16	33.6	36.02	16	33.6	A0	J	13A	7414	A -21 4826
60		9.0R	59 41.858	-0.0003	20	-28 55 50.26	-0.001	20	0.36	41.863	16	33.6	50.24	16	33.6	K2	J	13B	11596	J -2814053
61		6.7T	59 45.268	0.0010	12	-27 49 41.85	-0.001	11	0.59	45.217	12	00.9	41.81	12	00.3	K0		GC	24553	C -2712302
62		9.5R	59 45.418	-0.0021	21	-24 39 12.91	-0.014	21	0.38	45.452	16	33.6	12.68	16	33.6	K2	J	14	12382	E -2413790
63		5.5T	59 47.164	0.0004	04	-24 17 1.48	-0.009	04	0.21	47.145	07	01.0	1.01	09	00.8	A5		GC	24555	C*-2413793
64		9.2R	59 50.990	-0.0004	15	-24 4 10.07	-0.032	15	0.29	50.997	16	33.6	9.53	16	33.6	G5	J	14	12384	E -2413795
65		9.2R	59 56.979	0.0018	21	-28 33 42.74	-0.038	21	0.38	56.950	16	33.6	42.11	16	33.6	K0	J	13B	11602	J -2814058
66		8.9R	59 57.206	-0.0009	21	-29 31 51.71	0.037	21	0.38	57.222	16	33.6	52.32	16	33.6	B5	J	13B	11601	J -2914399
67		9.4R	59 58.349	-0.0005	20	-25 45 5.15	0.011	20	0.36	58.358	16	33.6	5.33	16	33.6	A0	J	14	12385	E -2512622
68		9.0R	59 59.560	0.0005	20	-27 19 47.19	-0.050	20	0.36	59.553	16	33.6	46.38	16	33.6	A2	J	13B	11605	J -2712307
69		6.6T	59 59.955	0.0002	09	-22 43 12.88	0.006	07	0.49	59.943	17	96.5	13.23	15	92.1	B0		GC	24558	-22 4516
70		9.1R	18 0 2.372	0.0026	21	-29 27 59.35	0.027	21	0.38	2.330	16	33.6	59.79	16	33.6	A0	J	13B	11604	J -2914401
71		9.0R	0 2.531	0.0037	20	-27 51 54.68	-0.035	20	0.36	2.471	16	33.6	54.11	16	33.6	A0	J	13B	11606	J -2712310
72		9.4R	0 4.259	0.0014	18	-24 38 6.94	-0.031	18	0.34	4.237	16	33.6	6.43	16	33.6	K0	J	14	12388	E -2413797
73		9.5R	0 9.748	-0.0018	18	-23 33 40.65	0.034	18	0.34	9.777	16	33.6	41.20	16	33.6	F0	J	14	12389	E -2313824
74		9.1A	0 10.414	-0.0003	17	-20 26 17.67	0.014	13	0.29	10.419	16	33.6	17.90	16	33.6	A0	J	13A	7421	A -20 4957
75		9.0A	0 11.885	-0.0004	20	-22 2 21.96	0.014	15	0.33	11.890	16	33.6	22.18	16	33.6	A2	J	13A	7420	A -22 4519
76		9.1R	0 12.897	0.0000	20	-27 53 4.18	-0.036	20	0.36	12.896	16	33.6	3.59	16	33.6	G0	J	13B	11607	J -2712313
77		9.0A	0 15.485	-0.0006	20	-20 56 30.16	-0.007	15	0.33	15.494	16	33.6	30.05	16	33.6	B8	J	13A	7422	A -20 4958
78		8.6R	0 15.714	-0.0034	15	-25 55 3.88	-0.062	15	0.29	15.770	16	33.6	2.86	16	33.6	F5	J	14	12390	E -2512629
79		8.1R	0 16.854	0.0003	18	-22 53 11.63	0.005	18	0.34	16.849	16	33.6	11.72	16	33.6	B5	J	14	12394	E -2212480
80		7.5R	0 16.942	0.0001	20	-26 19 17.92	0.006	20	0.36	16.940	16	33.6	18.02	16	33.6	A0	J	14	12393	E -2612724
81		8.6R	0 17.505	-0.0005	18	-26 58 43.38	-0.069	18	0.34	17.514	16	33.6	42.24	16	33.6	K0	J	14	12391	E -2612723
82		8.8R	0 18.648	0.0013	20	-27 33 10.60	0.009	20	0.36	18.626	16	33.6	10.75	16	33.6	B8	J	13B	11610	J -2712317
83		8.8R	0 21.088	0.0019	17	-25 16 7.64	-0.018	17	0.31	21.057	16	33.6	7.34	16	33.6	K0	J	14	12395	E -2512632
84		8.6R	0 21.869	-0.0008	20	-27 54 54.33	-0.061	20	0.36	21.882	16	33.6	53.33	16	33.6	K0	J	13B	11612	J -2712321
85		8.5R	0 23.263	-0.0004	18	-22 37 8.63	0.041	18	0.34	23.269	16	33.6	9.31	16	33.6	B3	J	14	12396	E -2212481
86		7.6R	0 24.211	-0.0001	21	-29 51 50.46	-0.050	21	0.38	24.212	16	33.6	49.64	16	33.6	G5	J	13B	11611	J -2914414
87		9.7R	0 26.118	0.0007	15	-23 25 16.11	-0.010	15	0.29	26.106	16	33.6	15.95	16	33.6	M0	J	14	12397	E -2313829
88		9.0R	0 28.114	0.0020	20	-27 13 24.66	-0.047	20	0.36	28.081	16	33.6	23.90	16	33.6	F0	J	13B	11613	J -2712323
89		7.9R	0 32.636	-0.0010	20	-26 52 15.97	-0.019	15	0.33	32.652	16	33.6	15.65	16	33.6	B5	J	14	12398	E -2612728
90		8.5R	0 33.442	0.0008	20	-27 6 2.62	-0.034	20	0.36	33.429	16	33.6	2.06	16	33.6	K5	J	13B	11614	J -2712325
91		8.3T	0 35.689	0.0017	16	-23 8 25.92	0.000	09	0.65	35.607	18	02.3	25.92	18	98.8	B9		GC	24571	C -2313832
92		8.2R	0 36.643	-0.0013	17	-28 44 14.17	-0.009	17	0.31	36.665	16	33.6	14.02	16	33.6	A0	J	13B	11615	J -2814073
93		8.9R	0 38.675	-0.0005	17	-25 18 54.20	0.025	17	0.31	38.684	16	33.6	54.61	16	33.6	B1	J	14	12401	E -2512642
94		9.0A	0 39.016	-0.0013	20	-20 50 8.94	-0.002	15	0.33	39.037	16	33.6	8.91	16	33.6	A0	J	13A	7425	A -20 4961
95		9.3R	0 39.187	-0.0028	20	-26 44 41.89	0.002	20	0.36	39.234	16	33.6	41.93	16	33.6	K0	M	14	12399	E -2612732
96		8.6R	0 40.033	-0.0016	20	-23 20 59.26	-0.012	20	0.36	40.059	16	33.6	59.06	16	33.6	B9	J	14	12404	E -2313836
97		8.5R	0 40.892	0.0003	18	-23 26 30.99	-0.026	18	0.34	40.887	16	33.6	30.57	16	33.6	K2	J	14	12405	E -2313837
98		9.4R	0 40.972	-0.0009	22	-24 22 14.16	0.043	22	0.40	40.987	16	33.6	14.85	16	33.6			14	12403	E -2413810
99		9.0R	0 41.190	0.0013	20	-26 50 33.34	0.036	20	0.36	41.169	16	33.6	33.93	16	33.6	G5	J	14	12402	E -2612733
00		9.0R	0 42.847	-0.0011	20	-27 18 24.30	-0.015	20	0.36	42.866	16	33.6	24.06	16	33.6	B3	J	13B	11616	J -2712330

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NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	EPOCH 1950 μ s	EPOCH 1950 σ_μ ,,.001	EPOCH 1950 δ_{1950} ° ′ ″	EPOCH 1950 μ' ″	EPOCH 1950 $\sigma_{\mu'}$,,.001	EPOCH 1950 σ_{1950} ″	ORIGINAL EPOCH α_2 s	ORIGINAL EPOCH σ ,,.01	ORIGINAL EPOCH ep.	ORIGINAL EPOCH δ_2 ″	ORIGINAL EPOCH σ' ,,.01	ORIGINAL EPOCH ep.	SP.		SOURCE CAT.	SOURCE STAR NUMBER	DM NUMBER
1		9.2R	18 0 44.449	-0.0048	21	-27 43 58.53	-0.048	21	0.38	44.527	16	33.6	57.74	16	33.6	A0	J	13B	11617	J -2712332
2		9.0R	0 46.427	-0.0020	20	-23 18 9.60	-0.045	20	0.36	46.460	16	33.6	8.86	16	33.6	B5	J	14	12406	E -2313841
3		8.7R	0 48.067	-0.0019	18	-22 14 24.31	-0.000	18	0.34	48.098	16	33.6	24.30	16	33.6	B8	J	14	12410	E -2212495
4		5.9T	0 48.403	0.0002	04	-24 21 48.67	0.002	04	0.21	48.393	07	00.5	48.75	07	99.6	OE5		GC	24574	C*-2413814
5		9.3R	0 48.770	0.0002	15	-24 0 11.69	0.005	15	0.29	48.766	16	33.6	11.77	16	33.6	A0	J	14	12408	E -2413812
6		8.6R	0 51.408	-0.0037	20	-25 40 15.52	-0.129	20	0.36	51.469	16	33.6	13.40	16	33.6	G0	J	14	12409	E -2512649
7		7.2T	0 52.946	0.0014	08	-24 18 55.84	-0.005	07	0.44	52.867	15	93.6	55.52	15	91.2	B0		GC	24577	C -2413816
8		6.9T	0 53.989	0.0007	10	-22 50 25.12	-0.003	09	0.49	53.954	14	01.2	24.97	14	00.9	B0		GC	24578	-22 4533
9		9.3R	0 55.779	0.0025	20	-22 31 33.13	0.002	20	0.36	55.738	16	33.6	33.17	16	33.6	B9	J	14	12413	E -2212499
10		9.0R	1 0.602	0.0018	21	-29 17 9.45	-0.012	21	0.38	0.573	16	33.6	9.25	16	33.6	K0	J	13B	11619	J -2914427
11		8.7R	1 1.424	0.0030	18	-22 34 8.21	0.004	18	0.34	1.374	16	33.6	8.27	16	33.6	B5	J	14	12415	E -2212500
12		8.5R	1 1.862	-0.0006	20	-26 2 5.53	-0.035	20	0.36	1.872	16	33.6	4.96	16	33.6	F8	J	14	12414	E -2612743
13		9.6R	1 9.355	-0.0014	18	-22 54 28.03	0.017	18	0.34	9.379	16	33.6	28.31	16	33.6	B8	J	14	12419	E -2212504
14		8.8R	1 9.445	-0.0009	20	-28 26 1.36	-0.002	20	0.36	9.461	16	33.6	1.33	16	33.6	A0	J	13B	11621	J -2814089
15		9.1R	1 9.726	0.0036	17	-22 29 52.50	0.047	17	0.31	9.666	16	33.6	53.27	16	33.6	B8	J	14	12421	E -2212506
16		7.1T	1 11.131	-0.0004	15	-22 30 15.21	-0.002	14	0.77	11.150	19	99.5	15.11	18	98.2	B0		GC	24590	-22 4541
17		8.8R	1 11.299	0.0011	15	-22 41 29.65	-0.030	15	0.29	11.281	16	33.6	29.16	16	33.6	A3	J	14	12422	E -2212509
18		8.0R	1 14.199	0.0002	20	-27 23 28.33	0.008	20	0.36	14.197	16	33.6	28.46	16	33.6	B9	J	13B	11623	J -2712341
19		9.6R	1 14.776	-0.0025	18	-23 28 3.15	-0.006	18	0.34	14.818	16	33.6	3.06	16	33.6	A2	J	14	12424	E -2313851
20		7.2T	1 21.786	0.0010	12	-24 23 22.25	-0.017	10	0.59	21.736	18	99.7	21.38	21	00.3	B		GC	24595	C*-2413832
21		9.2R	1 21.952	-0.0015	20	-26 49 33.13	-0.044	20	0.36	21.978	16	33.6	32.41	16	33.6			14	12427	E -2612751
22		7.5R	1 22.597	0.0005	20	-26 51 10.53	0.012	20	0.36	22.590	16	33.6	10.73	16	33.6	F5	J	14	12428	E -2612752
23		9.3R	1 24.250	0.0011	21	-24 42 49.52	0.012	21	0.38	24.231	16	33.6	49.72	16	33.6	F2	J	14	12432	E -2413834
24		9.1R	1 25.177	-0.0050	21	-24 19 36.86	0.058	21	0.38	25.259	16	33.6	37.80	16	33.6	B5	J	14	12433	E -2413835
25		8.4R	1 29.256	0.0007	20	-24 9 52.17	-0.038	20	0.36	29.245	16	33.6	51.54	16	33.6	B8	J	14	12435	E -2413839
26		8.8R	1 31.865	0.0004	15	-24 27 0.47	0.031	15	0.29	31.859	16	33.6	0.97	16	33.6	G0	J	14	12437	E -2413843
27		8.9R	1 31.926	-0.0002	17	-24 20 5.21	-0.000	17	0.31	31.962	16	33.6	5.20	16	33.6	B3	J	14	12438	E -2413841
28		8.7R	1 32.551	-0.0005	20	-27 52 5.61	-0.030	20	0.36	32.559	16	33.6	5.12	16	33.6	K5	J	13B	11627	J -2712347
29		8.8R	1 33.168	0.0004	20	-26 1 20.68	0.009	20	0.36	33.161	16	33.6	20.83	16	33.6	A2	J	14	12436	E -2612760
30		9.0R	1 35.511	-0.0015	20	-25 12 10.85	0.033	20	0.36	35.535	16	33.6	11.39	16	33.6	B9	J	14	12439	E -2512664
31		9.1A	1 36.357	0.0003	18	-20 37 12.13	0.001	12	0.30	36.352	16	33.6	12.16	16	33.6	A0	J	13A	7441	A -20 4973
32		9.4R	1 37.487	0.0039	20	-26 7 16.39	-0.003	20	0.36	37.423	16	33.6	16.34	16	33.6	B8	M	14	12440	E -2612761
33		9.1R	1 39.311	-0.0007	18	-23 27 49.90	-0.007	18	0.34	39.323	16	33.6	49.78	16	33.6	B	J	14	12441	E -2313859
34		9.3R	1 40.245	-0.0033	21	-28 32 26.48	0.000	21	0.38	40.299	16	33.6	26.48	16	33.6	B9	J	13B	11628	J -2814104
35		7.0T	1 42.708	0.0006	11	-25 36 34.38	0.002	09	0.57	42.678	18	98.1	34.51	17	92.5	F0		GC	24603	C*-2512669
36		8.6R	1 45.756	-0.0013	18	-23 36 3.64	-0.005	18	0.34	45.778	16	33.6	3.55	16	33.6	B8	J	14	12443	E -2313863
37		4.3I	1 49.519	0.0011	04	-29 35 3.04	-0.001	04	0.21	49.466	07	01.4	2.98	09	98.5	F8P		GC	24605V	C*-2914447
38		8.7A	1 50.589	-0.0001	20	-20 49 31.96	-0.015	15	0.33	50.590	16	33.6	31.72	16	33.6	B9	J	13A	7443	A -20 4977
39		8.6R	1 52.740	0.0007	15	-23 42 7.51	-0.020	15	0.29	52.728	16	33.6	7.17	16	33.6	G5	J	14	12445	E -2313866
40		8.0R	1 53.684	-0.0003	20	-24 41 5.44	0.018	20	0.36	53.689	16	33.6	5.73	16	33.6	B0	J	14	12444	E -2413853
41		9.0R	1 54.769	0.0005	20	-27 5 25.31	-0.009	20	0.36	54.762	16	33.6	25.17	16	33.6	A2	J	13B	11632	J -2712358
42		9.0R	1 55.532	-0.0018	21	-29 54 58.42	-0.015	21	0.38	55.562	16	33.6	58.17	16	33.6	G0	J	13B	11631	J -2914451
43		8.9R	1 57.165	0.0003	20	-27 7 43.26	-0.015	20	0.36	57.160	16	33.6	43.01	16	33.6	K2	J	13B	11633	J -2712360
44		9.0R	2 3.933	-0.0009	20	-27 33 24.48	-0.002	20	0.36	3.949	16	33.6	24.44	16	33.6	A2	J	13B	11635	J -2712364
45		9.3R	2 5.714	-0.0010	18	-23 16 48.02	-0.044	18	0.34	5.731	16	33.6	47.30	16	33.6	A3	J	14	12447K	E -2313871
46		8.7R	2 6.004	0.0005	21	-28 41 22.05	-0.057	21	0.38	5.996	16	33.6	21.11	16	33.6	G0	J	13B	11636	J -2814114
47		6.8T	2 6.467	0.0004	04	-24 24 10.84	-0.005	05	0.24	6.448	07	02.5	10.58	09	01.6	OE5		GC	24618	C*-2413864
48		8.7R	2 9.070	0.0023	21	-29 5 34.03	0.018	21	0.38	9.033	16	33.6	34.32	16	33.6	B8	J	13B	11637	J -2914457
49		9.0R	2 10.578	0.0036	20	-27 42 4.93	-0.002	20	0.36	10.519	16	33.6	4.89	16	33.6	B9	J	13B	11638	J -2712367
50		8.1R	2 11.787	0.0003	20	-27 50 19.83	-0.013	20	0.36	11.783	16	33.6	19.62	16	33.6	K5	J	13B	11639	J -2712369
51		9.2R	18 2 12.314	-0.0002	18	-22 24 51.09	-0.029	18	0.34	12.318	16	33.6	50.61	16	33.6	K5	J	14	12449	E -2212530
52		8.6R	2 16.242	-0.0019	20	-26 38 4.46	-0.037	20	0.36	16.274	16	33.6	3.85	16	33.6	B8	J	14	12448	E -2612778
53		8.3T	2 22.550	-0.0060	22	-21 40 35.80	-0.158	22	1.07	22.834	18	02.8	28.38	18	03.2	G5		GC	24626	-21 4839
54		9.3R	2 23.802	0.0025	20	-26 12 27.88	-0.037	20	0.36	23.761	16	33.6	27.27	16	33.6	G0	J	14	12450	E -2612783
55		8.3R	2 26.219	0.0012	18	-23 43 12.93	0.006	18	0.34	26.200	16	33.6	13.03	16	33.6	B3	J	14	12452	E -2313881
56		7.0T	2 28.995	-0.0001	11	-29 16 54.99	-0.042	08	0.56	28.997	18	97.9	52.41	15	88.5	A2		GC	24629	C*-2914467
57		8.7A	2 29.235	0.0030	20	-21 8 48.98	0.007	15	0.33	29.186	16	33.6	49.10	16	33.6	A0	J	13A	7449	A -21 4842
58		9.1R	2 34.391	0.0004	17	-28 47 10.46	0.006	17	0.31	34.385	16	33.6	10.56	16	33.6	K7	J	13B	11644	J -2814123
59		9.0R	2 41.305	0.0036	21	-29 13 38.09	-0.019	21	0.38	41.246	16	33.6	37.78	16	33.6	K0	J	13B	11648	J -2914473
60		9.0R	2 43.765	0.0014	18	-23 31 11.97	-0.219	18	0.34	43.743	16	33.6	8.36	16	33.6	G0	J	14	12453	E -2313889
61		8.6R	2 45.818	0.0005	20	-27 47 39.79	-0.035	20	0.36	45.810	16	33.6	39.21	16	33.6	K5	J	13B	11651	J -2712384
62		9.0R	2 46.293	-0.0009	21	-27 4 6.91	0.047	21	0.38	46.308	16	33.6	7.68	16	33.6	A0	J	13B	11652	J -2712386
63		8.7R	2 49.908	-0.0020	18	-22 12 34.71	0.009	18	0.34	49.940	16	33.6	34.85	16	33.6	B8	J	14	12455	E -2212547
64		8.6R	2 50.407	-0.0001	15	-26 58 49.69	-0.019	15	0.29	50.410	16	33.6	49.37	16	33.6	B3	J	14	12454	E -2612792
65		8.5R	2 51.754	0.0008	21	-29 26 13.91	-0.006	21	0.38	51.741	16	33.6	13.81	16	33.6	B5	J	13B	11655	J -2914481
66		9.0R	2 53.164	-0.0004	20	-27 31 48.83	-0.010	20	0.36	53.171	16	33.6	48.67	16	33.6	K5	J	13B	11656	J -2712388
67		9.2R	2 56.664	-0.0005	20	-25 31 38.72	0.022	20	0.36	56.673	16	33.6	39.09	16	33.6	K0	J	14	12456	E -2512704
68		8.1R	3 0.895	0.0009	18	-24 12 4.07	-0.016	18	0.34	0.880	16	33.6	3.79	16	33.6	B9	J	14	12457	E -2413880
69		9.3R	3 2.689	0.0004	18	-23 29 34.40	-0.006	18	0.34	2.683	16	33.6	34.31	16	33.6	F8	M	14	12458	E -2313898
70		8.8R	3 4.685	-0.0008	21	-22 7 18.43	0.013	21	0.38	4.698	16	33.6	18.64	16	33.6	B5	J	14	12460	E -2212552
71		8.0R	3 5.054	0.0023	20	-27 29 52.40	-0.063	20	0.36	5.017	16	33.6	51.37	16	33.6	G0	J	13B	11658	J -2712393
72		8.8A	3 5.746	0.0009	17	-20 57 19.19	-0.007	12	0.28	5.732	16	33.6	19.08	16	33.6	K5	J	13A	7457	A -20 4983
73		8.5R	3 9.397	0.0024	20	-26 47 42.37	0.011	20	0.36	9.358	16	33.6	42.55	16	33.6	F5	J	14	12459	E -2612801
74		9.2R	3 9.691	-0.0013	18	-22 27 54.38	0.039	18	0.34	9.711	16	33.6	55.01	16	33.6	B5	J	14	12462	E -2212554
75		9.0A	3 10.352	-0.0006	17	-21 28 2.65	-0.012	13	0.29	10.362	16	33.6	2.46	16	33.6	B8	J	13A	7459	A -21 4848
76		8.8R	3 11.054	-0.0106	18	-26 17 15.14	-0.133	18	0.34	11.229	16	33.6	12.96	16	33.6	G0	J	14	12461	E -2612802
77		9.2R	3 14.631	0.0008	18	-24 46 2.80	-0.029	18	0.34	14.618	16	33.6	2.32	16	33.6	G5	J	14	12463	E -2413885
78		9.2R	3 17.687	-0.0028	21	-28 34 1.77	-0.009	21	0.38	17.734	16	33.6	1.62	16	33.6	B8	J	13B	11660	J -2814139
79		8.6R	3 17.842	-0.0058	18	-26 12 16.77	-0.098	18	0.34	17.937	16	33.6	15.16	16	33.6	F5	J	14	12464	E -2612804
80		9.4R	3 21.198	0.0014	18	-22 43 37.80	-0.001	18	0.34	21.176	16	33.6	37.78	16	33.6	B	J	14	12465	E -2212556
81		8.2R	3 25.892	0.0026	17	-28 32 18.00	-0.028	17	0.31	25.849	16	33.6	17.54	16	33.6	K0	J	13B	11663	J -2814143
82		9.0R	3 26.070	0.0024	18	-24 9 54.30	0.012	18	0.34	26.031	16	33.6	54.50	16	33.6	B9	J	14	12467	E -2413893
83		9.2R	3 26.281	-0.0040	21	-29 6 7.80	-0.088	21	0.38	26.347	16	33.6	6.35	16	33.6	G0	J	13B	11662	J -2914492
84		8.4R	3 27.683	0.0043	18	-25 28 57.23	-0.101	18	0.34	27.613	16	33.6	55.57	16	33.6	K0	J	14	12466	E -2512715
85		8.4R	3 30.356	-0.0012	18	-23 57 4.92	-0.007	18	0.34	30.375	16	33.6	4.80	16	33.6	K0	J	14	12468	E -2313908
86		7.3T	3 35.929	-0.0003	09	-28 22 11.45	-0.005	08	0.49	35.943	15	95.0	11.18	15	93.2	A0		GC	24661	C -2814144
87		8.1R	3 37.301	0.0023	20	-29 2 34.47	0.018	20	0.36	37.264	16	33.6	34.76	16	33.6	A0	J	13B	11667	J -2914500
88		7.9R	3 44.497	-0.0005	17	-29 4 52.28	-0.024	17	0.31	44.505	16	33.6	51.88	16	33.6	B9	J	13B	11668	J -2914502
89		8.5R	3 44.726	0.0016	18	-22 28 14.91	0.022	18	0.34	44.700	16	33.6	15.27	16	33.6	K0P	J	14	12470	E -2212560
90		9.0A	3 48.638	0.0008	20	-21 3 51.73	0.006	15	0.33	48.624	16	33.6	51.83	16	33.6	A5	J	13A	7466	A -21 4852
91		7.5R	3 48.723	0.0001	18	-22 3 10.03	0.016	18	0.34	48.721	16	33.6	10.29	16	33.6	K5	J	14	12473	E -2212561
92		9.0R	3 50.224	0.0018	20	-27 30 53.69	0.006	20	0.36	50.195	16	33.6	53.79	16	33.6	B5	J	13B	11669	J -2712409
93		9.5R	3 50.846	-0.0012	18	-22 36 17.38	-0.026	18	0.34	50.866	16	33.6	16.96	16	33.6	B8	M	14	12474	E -2212562
94		7.8A	3 51.077	-0.0011	20	-21 30 42.45	-0.003	15	0.33	51.094	16	33.6	42.40	16	33.6	F2	J	13A	7468	A -21 4853
95		9.0R	3 51.187	-0.0010	15	-26 6 20.57	-0.011	15	0.29	51.203	16	33.6	20.39	16	33.6	K0	M	14	12471	E -2612813
96		8.9R	3 53.139	-0.0004	15	-26 16 1.15	-0.013	15	0.29	53.145	16	33.6	0.95	16	33.6	G0	J	14	12472	E -2612814
97		8.9R	3 53.742	0.0029	20	-27 6 30.23	-0.012	20	0.36	53.694	16	33.6	30.03	16	33.6	F8	J	13B	11670	J -2712412
98		9.2R	3 58.736	-0.0002	18	-24 19 53.24	0.051	18	0.34	58.739	16	33.6	54.07	16	33.6	A0	J	14	12475	E -2413903
99		9.1R	4 7.943	0.0001	20	-26 23 40.32	0.021	20	0.36	7.941	16	33.6	40.66	16	33.6	G5	J	14	12477	E -2612818
00		9.3R	4 10.410	0.0002	18	-23 2 42.39	-0.009	18	0.34	10.407	16	33.6	42.25	16	33.6	K0	J	14	12479	E -2313925

186300

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	EPOCH 1950 μ s	EPOCH 1950 σ_μ ″.001	EPOCH 1950 δ_{1950} ° ′ ″	EPOCH 1950 μ' ″	EPOCH 1950 σ'_μ ″.001	EPOCH 1950 σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	-20° 18H DM NUMBER
1		9.3R	18 4 11.159	0.0026	18	-23 4 21.75	0.005	18	0.34	11.116	16	33.6	21.83	16	33.6	K5 M	14	12460	E -2313926
2		6.2T	4 11.293	-0.0007	04	-21 27 2.82	0.002	04	0.18	11.327	06	04.3	2.93	06	05.3	B1	GC	24678	B*-21 4855
3		9.1R	4 14.089	0.0012	18	-24 16 9.40	0.028	18	0.34	14.096	16	33.6	9.85	16	33.6	K0 J	14	12461	E -2413912
4		8.5R	4 14.725	0.0004	20	-29 28 58.74	-0.006	20	0.36	14.718	16	33.6	58.64	16	33.6	K2 J	13B	11673	J -2914516
5		8.6A	4 20.539	0.0012	20	-21 12 30.39	0.026	15	0.33	20.520	16	33.6	30.82	16	33.6	G5 J	13A	7472	A -21 4858
6		8.4R	4 22.201	0.0010	18	-25 6 42.03	0.012	18	0.34	22.184	16	33.6	42.23	16	33.6	B J	14	12482	E -2512744
7		8.9R	4 25.437	0.0025	20	-23 20 18.99	-0.053	20	0.36	25.397	16	33.6	18.12	16	33.6	F5 J	14	12484	E -2313932
8		9.0A	4 26.945	-0.0012	17	-20 21 42.17	-0.012	12	0.28	26.966	16	33.6	41.97	16	33.6	A0 J	13A	7473	A -20 4995
9		8.5R	4 28.843	0.0015	18	-25 34 38.10	-0.039	18	0.34	28.818	16	33.6	37.46	16	33.6	G0 J	14	12485	E -2512748
10		8.8R	4 28.932	0.0022	18	-26 41 59.16	-0.007	18	0.34	28.897	16	33.6	59.05	16	33.6	A0 J	14	12483	E -2612825
11		8.3R	4 29.104	0.0001	17	-29 26 58.97	-0.034	17	0.31	29.102	16	33.6	58.41	16	33.6	M3 M	13B	11677	J -2914520
12		9.0A	4 29.765	0.0004	20	-22 6 18.77	0.001	15	0.33	29.758	16	33.6	18.78	16	33.6	B5 J	13A	7474	A -22 4567
13		9.1R	4 29.779	-0.0020	17	-29 51 48.70	-0.030	17	0.31	29.811	16	33.6	48.21	16	33.6	K5 J	13B	11678	J -2914519
14		9.1R	4 31.240	0.0003	15	-23 16 44.43	0.006	15	0.29	31.235	16	33.6	44.53	16	33.6	M2 J	14	12487	E -2313934
15		8.5R	4 31.654	-0.0010	18	-25 36 3.28	-0.042	18	0.34	31.671	16	33.6	2.59	16	33.6	B9 J	14	12486	E -2512749
16		9.0A	4 35.549	0.0000	17	-20 25 57.62	0.001	12	0.28	35.549	16	33.6	57.64	16	33.6	A0 J	13A	7476	A -20 4996
17		8.7R	4 37.285	-0.0007	18	-22 7 23.10	0.019	18	0.34	37.296	16	33.6	23.41	16	33.6	B3 M	14	12489	E -2212582
18		9.6R	4 37.904	0.0031	20	-23 22 20.59	0.062	20	0.36	37.853	16	33.6	21.61	16	33.6	A5 J	14	12488	E -2313936
19		8.5R	4 39.060	-0.0028	18	-22 5 3.08	-0.016	18	0.34	39.105	16	33.6	2.81	16	33.6	K0 M	14	12491	E -2212583
20		9.1R	4 39.985	-0.0038	22	-22 54 17.62	-0.005	22	0.40	40.047	16	33.6	17.54	16	33.6	B2 J	14	12490	E -2212581
21		8.5R	4 41.854	-0.0001	17	-29 44 16.19	-0.019	17	0.31	41.856	16	33.6	15.88	16	33.6	A3 J	13B	11679	J -2914526
22		8.9R	4 42.058	0.0015	15	-23 20 58.93	0.016	15	0.29	42.033	16	33.6	59.20	16	33.6	K0 J	14	12492	E -2313940
23		8.1T	4 42.178	0.0030	12	-21 52 4.30	0.025	09	0.57	42.034	19	01.7	5.58	19	97.7	K2	GC	24686	-21 4861
24		8.4R	4 43.174	0.0019	18	-23 6 45.20	-0.022	18	0.34	43.143	16	33.6	44.84	16	33.6	B9 J	14	12493	E -2313941
25		8.5R	4 48.086	-0.0007	18	-22 53 13.91	0.034	18	0.34	48.098	16	33.6	14.47	16	33.6	B3 J	14	12494	E -2212585
26		9.7R	4 48.971	-0.0011	22	-22 52 10.27	-0.005	22	0.40	48.989	16	33.6	10.19	16	33.6		14	12495	E -2212586
27		9.3R	4 52.047	-0.0015	18	-27 8 2.91	-0.015	18	0.34	52.072	16	33.6	2.67	16	33.6	A0 J	13B	11681	J -2712441
28		4.7T	4 54.890	0.0022	04	-28 27 52.38	-0.029	04	0.18	54.785	06	03.0	51.03	07	03.0	K0	GC	24694	C*-2814174
29		9.2R	4 55.040	0.0001	18	-24 36 23.77	0.004	18	0.34	55.038	16	33.6	23.83	16	33.6	K5 M	14	12497	E -2413927
30		9.4R	4 55.814	-0.0000	18	-25 27 29.17	-0.029	18	0.34	55.814	16	33.6	28.69	16	33.6	M0 J	14	12496	E -2512766
31		8.6R	4 57.722	0.0017	15	-27 19 20.88	-0.023	15	0.29	57.695	16	33.6	20.51	16	33.6	B9 J	13B	11683	J -2712444
32		8.5R	5 1.781	0.0007	12	-25 21 26.79	-0.005	12	0.25	1.769	16	33.6	26.71	16	33.6	B2 J	14	12498	E -2512769
33		9.0R	5 3.528	-0.0027	22	-23 7 9.72	0.012	22	0.40	3.573	16	33.6	9.92	16	33.6	K0 J	14	12500	E -2313948
34		9.4R	5 4.106	0.0033	18	-24 53 57.25	-0.012	18	0.34	4.061	16	33.6	57.05	16	33.6	A3 J	14	12499	E -2413929
35		8.5R	5 8.270	0.0003	18	-22 16 56.00	0.021	18	0.34	8.264	16	33.6	56.34	16	33.6	B5 J	14	12501	E -2212593
36		9.1R	5 11.268	0.0010	18	-24 25 18.65	-0.002	18	0.34	11.251	16	33.6	18.61	16	33.6	G5 J	14	12502	E -2413935
37		9.3R	5 14.205	0.0023	15	-27 24 46.31	0.012	15	0.29	14.168	16	33.6	46.51	16	33.6	B8 J	13B	11685	J -2712448
38		8.8R	5 15.953	0.0020	18	-25 43 23.86	-0.057	18	0.34	15.921	16	33.6	22.92	16	33.6	K0 J	14	12503	E -2512776
39		7.8R	5 16.897	-0.0017	18	-27 39 13.49	-0.087	18	0.34	16.925	16	33.6	12.06	16	33.6	K0 J	13B	11686	J -2712450
40		9.5R	5 17.258	0.0017	18	-23 26 24.04	0.033	18	0.34	17.231	16	33.6	24.59	16	33.6	B9 J	14	12504K	E -2313954
41		7.9A	5 28.727	-0.0005	20	-21 15 41.13	0.003	15	0.33	28.736	16	33.6	41.19	16	33.6	OA J	13A	7483	A -21 4864
42		8.9R	5 29.704	0.0019	15	-27 19 21.03	0.012	15	0.29	29.674	16	33.6	21.23	16	33.6	K0 J	13B	11691	J -2712455
43		6.6T	5 38.537	-0.0006	07	-21 27 30.38	-0.012	06	0.37	38.564	12	99.7	29.71	12	97.7	A2P	GC	24713	B*-21 4866
44		9.3R	5 40.150	-0.0020	17	-22 16 53.16	0.020	17	0.31	40.184	16	33.6	53.49	16	33.6	B5 J	14	12507	E -2212605
45		9.0R	5 41.221	-0.0003	18	-26 52 30.13	-0.027	18	0.34	41.225	16	33.6	29.69	16	33.6	B5 J	14	12505	E -2612851
46		8.2R	5 41.693	0.0017	12	-28 45 49.89	-0.027	12	0.25	41.666	16	33.6	49.44	16	33.6	F5 J	13B	11695	J -2814185
47		8.4R	5 42.578	-0.0007	18	-26 33 48.80	-0.024	18	0.34	42.590	16	33.6	48.41	16	33.6	K5 J	14	12506	E -2612854
48		8.5R	5 43.959	0.0012	18	-22 10 9.16	0.024	18	0.34	43.939	16	33.6	9.55	16	33.6	B5 J	14	12509	E -2212607
49		7.7R	5 45.149	0.0012	15	-27 47 33.84	0.001	15	0.29	45.130	16	33.6	33.85	16	33.6	K0 J	13B	11696	J -2712463
50		6.3T	5 48.460	0.0003	07	-25 28 53.84	0.017	08	0.49	48.444	15	88.7	54.85	17	91.1	B8	GC	24719	C -2512793
51		8.7R	18 5 49.904	0.0010	18	-27 44 55.18	-0.026	18	0.34	49.887	16	33.6	54.75	16	33.6	K0 J	13B	11698	J -2712465
52		8.7R	5 50.050	0.0013	18	-24 22 1.24	-0.024	18	0.34	50.029	16	33.6	0.84	16	33.6	K5 J	14	12510	E -2413950
53		8.5A	5 52.987	0.0022	17	-20 55 40.01	-0.025	12	0.28	52.952	16	33.6	39.60	16	33.6	F5 J	13A	7489	A -20 5005
54		9.4R	5 54.939	-0.0001	18	-26 18 6.70	0.007	00	0.26	54.941	16	33.6	6.82	16	33.6	F5 M	14	12511	E*-2612856
55		9.0R	5 55.411	0.0003	18	-22 11 6.49	-0.000	18	0.34	55.406	16	33.6	6.48	16	33.6	B5 J	14	12513	E -2212610
56		8.3A	5 55.703	0.0011	20	-21 24 41.08	0.008	15	0.33	55.686	16	33.6	41.22	16	33.6	K5 J	13A	7491	A -21 4869
57		8.8R	5 58.779	-0.0014	18	-26 18 30.07	-0.048	18	0.34	58.802	16	33.6	29.28	16	33.6	K5 J	14	12512	E -2612858
58		9.0R	6 3.522	0.0012	17	-29 44 29.54	0.034	17	0.31	3.502	16	33.6	30.10	16	33.6	M0 M	13B	11699	J -2914557
59		8.9A	6 4.838	-0.0004	18	-21 24 58.03	-0.011	13	0.30	4.844	16	33.6	57.86	16	33.6	B	13A	7494	A -21 4871
60		9.3R	6 5.639	-0.0005	18	-23 26 40.21	0.021	18	0.34	5.647	16	33.6	40.56	16	33.6	B9 J	14	12515K	E -2313974
61		7.5R	6 7.584	-0.0002	18	-27 44 38.68	-0.010	18	0.34	7.587	16	33.6	38.52	16	33.6	K5 J	13B	11700	J -2712474
62		7.5T	6 8.616	-0.0025	07	-26 7 15.92	-0.317	06	0.37	8.744	10	99.1	59.35	09	97.7	G0	GC	24730K	C*-2612862
63		8.7R	6 11.172	-0.0014	18	-22 11 30.67	-0.080	18	0.34	11.195	16	33.6	29.36	16	33.6	K2 J	14	12516	E -2212617
64		9.3R	6 12.231	0.0026	20	-29 1 16.92	-0.006	20	0.36	12.189	16	33.6	16.82	16	33.6	K5 M	13B	11701	J -2914561
65		8.7R	6 12.591	0.0002	18	-22 47 11.59	0.007	18	0.34	12.589	16	33.6	11.71	16	33.6	B8 J	14	12518	E -2212616
66		7.5T	6 14.284	0.0028	10	-23 59 51.95	0.007	07	0.49	14.139	17	98.2	52.32	17	93.9	B0	GC	24732	C -2413962
67		8.4R	6 15.530	0.0031	18	-22 54 41.82	-0.486	18	0.34	15.479	16	33.6	33.84	16	33.6	K0 J	14	12520	E -2212618
68		9.4R	6 16.940	0.0019	18	-24 49 42.91	0.011	18	0.34	16.909	16	33.6	43.09	16	33.6	B8 J	14	12519	E -2413961
69		9.0R	6 16.947	0.0036	20	-29 1 14.12	-0.016	20	0.36	16.888	16	33.6	13.85	16	33.6	G5 J	13B	11702	J -2914563
70		8.9R	6 22.897	-0.0018	12	-28 51 52.24	0.039	12	0.25	22.928	16	33.6	52.88	16	33.6	G5 J	13B	11703	J -2814202
71		9.3R	6 23.042	0.0001	18	-23 5 10.96	0.003	18	0.34	23.041	16	33.6	11.01	16	33.6	A0 J	14	12522	E -2313984
72		9.0R	6 24.448	0.0014	18	-26 21 12.40	-0.035	18	0.34	24.425	16	33.6	11.82	16	33.6	A0 J	14	12521K	E -2612864
73		9.0R	6 25.799	-0.0013	20	-29 46 15.51	0.013	20	0.36	25.820	16	33.6	15.72	16	33.6	K7 J	13B	11704	J -2914569
74		8.9R	6 28.152	0.0015	15	-24 40 24.68	0.008	15	0.29	28.127	16	33.6	24.81	16	33.6	B8 J	14	12523	E -2413971
75		8.6R	6 33.317	0.0025	18	-23 34 39.86	-0.014	18	0.34	33.276	16	33.6	39.63	16	33.6	A2 J	14	12524	E -2313991
76		8.7R	6 36.456	0.0001	18	-23 56 11.80	-0.017	18	0.34	36.455	16	33.6	11.52	16	33.6	K2 M	14	12526	E -2313994
77		8.6R	6 36.959	-0.0003	20	-24 43 29.92	-0.008	20	0.36	36.964	16	33.6	29.78	16	33.6	K5 J	14	12525	E -2413975
78		9.5R	6 40.132	-0.0038	22	-23 55 50.40	-0.014	22	0.40	40.195	16	33.6	50.16	16	33.6	G5 J	14	12527	E -2313996
79		9.1R	6 43.255	-0.0006	15	-23 41 27.19	0.008	15	0.29	43.265	16	33.6	27.32	16	33.6	B M	14	12528	E -2313997
80		8.7R	6 43.712	0.0002	18	-23 39 20.48	0.016	18	0.34	43.709	16	33.6	20.73	16	33.6	B J	14	12529	E -2313998
81		9.4R	6 45.463	-0.0009	22	-23 39 57.20	-0.004	22	0.40	45.479	16	33.6	57.12	16	33.6	B8 J	14	12530	E -2313999
82		8.2R	6 46.541	0.0023	18	-23 27 3.50	-0.029	18	0.34	46.504	16	33.6	3.03	16	33.6	K0 J	14	12531	E -2314001
83		9.1R	6 47.536	0.0008	18	-22 7 59.65	0.025	18	0.34	47.523	16	33.6	+ 0.06	16	33.6	F5 J	14	12534	E -2212633
84		9.0R	6 47.739	-0.0013	18	-22 3 58.56	0.002	18	0.34	47.760	16	33.6	58.59	16	33.6	B3 J	14	12535	E -2212634
85		9.5R	6 48.447	-0.0105	22	-23 37 28.91	-0.087	22	0.40	48.620	16	33.6	27.47	16	33.6	B5 J	14	12533	E -2314002
86		8.7R	6 51.371	0.0009	12	-25 17 45.18	0.001	15	0.27	51.355	16	33.6	45.19	16	33.6	K2 J	14	12532	E -2512815
87		8.8R	6 54.332	-0.0011	12	-29 10 2.83	0.008	12	0.25	54.350	16	33.6	2.96	16	33.6	K5 J	13B	11706	J -2914582
88		9.0R	6 55.850	0.0035	12	-29 18 48.71	-0.031	12	0.25	55.793	16	33.6	48.20	16	33.6	K2 J	13B	11707	J -2914584
89		7.6T	7 3.689	0.0018	12	-23 47 0.99	-0.014	10	0.58	3.600	18	00.3	0.26	18	99.7	B5	GC	24753	C*-2314005
90		8.9R	7 4.104	-0.0002	18	-23 45 47.83	-0.032	18	0.34	4.108	16	33.6	47.29	16	33.6		14	12538	E -2314006
91		8.0R	7 6.983	0.0001	20	-29 13 24.71	0.029	20	0.36	6.982	16	33.6	25.18	16	33.6	A2 J	13B	11710K	J -2914590
92		9.1R	7 8.452	-0.0034	18	-26 7 5.98	-0.059	18	0.34	8.508	16	33.6	5.01	16	33.6	G0 J	14	12539	E -2612878
93		9.0R	7 11.731	-0.0016	20	-28 26 32.65	0.034	20	0.36	11.758	16	33.6	33.22	16	33.6	A0 J	13B	11713	J -2814221
94		9.1A	7 13.223	0.0008	18	-20 28 22.48	0.013	13	0.30	13.210	16	33.6	22.69	16	33.6	M0 J	13A	7506	A -20 5014
95		9.0R	7 14.066	-0.0035	21	-23 25 11.20	-0.021	21	0.38	14.124	16	33.6	10.86	16	33.6	A0 M	14	12540	E -2314011
96		8.8A	7 14.254	-0.0009	17	-21 20 15.74	0.021	12	0.28	14.268	16	33.6	16.09	16	33.6	B8 J	13A	7505	A -21 4879
97		8.8R	7 17.818	0.0028	12	-29 55 3.41	-0.007	12	0.25	17.772	16	33.6	3.30	16	33.6	B9 J	13B	11715	J -2914594
98		9.2R	7 20.510	0.0011	18	-27 25 27.28	-0.011	18	0.34	20.492	16	33.6	27.10	16	33.6	K0 J	13B	11717	J -2712506
99		9.5R	7 22.352	-0.0020	20	-24 26 48.27	-0.067	20	0.36	22.385	16	33.6	47.16	16	33.6	G0 J	14	12541	E -2413993
00		8.3R	7 22.624	-0.0023	12	-28 9 51.47	0.015	12	0.25	22.662	16	33.6	51.72	16	33.6	G5 J	13B	11718	J -2814227

186400

EPOCH 1950 — ORIGINAL EPOCH — SOURCE — −20° 18H

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	σ'_μ ″.001	σ_{1950} ″	α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	CAT.	STAR NUMBER	DM NUMBER
1		9.1R	18 7 23.956	-0.0001	12	-27 30 50.56	-0.025	15	0.27	23.958	16	33.6	50.15	16	33.6	G5 M	13B	11719	J -2712507
2		9.6R	7 25.619	0.0015	20	-24 27 53.27	0.022	20	0.36	25.594	16	33.6	53.62	16	33.6	B8 M	14	12543	E -2413994
3		7.3T	7 27.229	0.0021	12	-26 2 37.74	-0.012	09	0.57	27.127	18	01.2	37.14	18	98.8	A3	GC	24766	C -2612884
4		8.7R	7 27.421	-0.0009	18	-23 34 37.51	-0.028	18	0.34	27.435	16	33.6	37.04	16	33.6	F5 J	14	12544	E -2314016
5		9.2A	7 27.580	-0.0021	20	-20 54 40.09	-0.017	15	0.33	27.615	16	33.6	39.81	16	33.6	F0 J	13A	7509	A -20 5015
6		8.8R	7 29.336	0.0028	18	-23 55 47.52	0.017	18	0.34	29.290	16	33.6	47.79	16	33.6	B5 J	14	12545	E -2314017
7		9.2R	7 31.169	-0.0003	18	-25 19 53.91	-0.025	18	0.34	31.174	16	33.6	53.50	16	33.6	B9 J	14	12546	E -2512835
8		9.0R	7 31.522	0.0014	18	-27 25 49.16	-0.016	18	0.34	31.499	16	33.6	48.90	16	33.6	B9 J	13B	11720	J -2712511
9		9.4R	7 39.631	-0.0024	18	-25 41 6.79	-0.052	18	0.34	39.670	16	33.6	5.94	16	33.6	A0 J	14	12547	E -2512837
10		8.1R	7 43.034	-0.0004	18	-22 15 2.82	0.011	18	0.34	43.040	16	33.6	2.99	16	33.6	G5 J	14	12549	E -2212658
11		9.4R	7 43.204	-0.0010	21	-26 56 26.61	-0.049	21	0.38	43.221	16	33.6	25.81	16	33.6	K7 J	14	12548	E -2612890
12		9.0R	7 47.086	0.0009	17	-28 4 56.15	0.053	17	0.31	47.072	16	33.6	57.02	16	33.6	G0 J	13B	11721	J -2814239
13		8.6A	7 47.279	-0.0002	15	-21 19 21.22	0.002	12	0.27	47.283	16	33.6	21.26	16	33.6	B8 J	13A	7514	A -21 4884
14		8.6R	7 49.506	-0.0003	20	-28 20 13.73	0.004	20	0.36	49.512	16	33.6	13.79	16	33.6	A0 J	13B	11723	J -2814241
15		9.4R	7 50.831	-0.0007	18	-22 54 44.93	0.015	18	0.34	50.843	16	33.6	45.17	16	33.6	B9 J	14	12551	E -2212660
16		9.4R	7 51.217	-0.0004	15	-23 42 15.40	-0.021	15	0.29	51.224	16	33.6	15.05	16	33.6	F8 J	14	12550	E -2314026
17		8.1R	7 51.370	-0.0024	17	-29 45 49.03	-0.066	17	0.31	51.410	16	33.6	47.95	16	33.6	A5 J	13B	11722	J -2914605
18		8.7A	7 54.345	-0.0010	18	-21 13 6.12	0.006	12	0.30	54.361	16	33.6	6.23	16	33.6	A0 J	13A	7516	A -21 4885
19		10.0R	7 56.523	-0.0004	17	-26 41 12.93	0.003	17	0.31	56.529	16	33.6	12.98	16	33.6	A3 J	14	12552	E -2612900
20		6.9T	7 59.168	-0.0002	09	-25 46 26.72	0.015	07	0.48	59.180	17	95.6	27.58	15	93.4	K0	GC	24779	C -2512844
21		9.2R	8 2.630	0.0007	20	-29 30 47.91	0.026	20	0.36	2.619	16	33.6	48.34	16	33.6	A0 J	13B	11724	J -2914609
22		7.9R	8 4.093	0.0011	17	-29 39 3.68	-0.010	17	0.31	4.075	16	33.6	3.52	16	33.6	G5 J	13B	11726	J -2914610
23		8.5R	8 5.683	0.0006	15	-23 21 46.26	-0.012	15	0.29	5.673	16	33.6	46.07	16	33.6	K0 J	14	12555	E -2314033
24		8.3R	8 6.678	0.0006	20	-29 54 48.26	0.029	20	0.36	6.668	16	33.6	48.74	16	33.6	A0 J	13B	11727	J -2914612
25		8.8A	8 6.997	-0.0011	20	-20 53 43.15	0.004	15	0.33	7.014	16	33.6	43.22	16	33.6	A0 J	13A	7518	A -20 5018
26		9.0R	8 10.279	0.0023	18	-26 39 25.78	-0.053	18	0.34	10.241	16	33.6	24.92	16	33.6	A5 J	14	12554	E -2612906
27		9.0A	8 10.495	0.0018	20	-21 14 1.06	-0.004	15	0.33	10.465	16	33.6	1.01	16	33.6	M0 J	13A	7520	A -21 4888
28		9.3R	8 15.728	-0.0028	13	-28 27 18.23	0.027	13	0.27	15.773	16	33.6	18.67	16	33.6	F0 J	13B	11731	J -2814254
29		8.8R	8 23.540	0.0046	17	-29 13 31.53	-0.064	17	0.31	23.464	16	33.6	30.48	16	33.6	F5 J	13B	11732	J -2914619
30		8.7A	8 25.252	-0.0011	17	-20 43 28.54	-0.015	15	0.30	25.270	16	33.6	28.30	16	33.6	B0 J	13A	7523	A -20 5020
31		8.9R	8 28.929	0.0022	18	-26 7 52.37	-0.006	18	0.34	28.893	16	33.6	52.27	16	33.6	K5 M	14	12556	E -2612914
32		8.9R	8 32.132	0.0003	20	-29 52 4.98	-0.004	20	0.36	32.127	16	33.6	4.91	16	33.6	A0 J	13B	11733	J -2914623
33		9.0R	8 35.078	-0.0034	21	-29 56 49.97	0.002	21	0.38	35.133	16	33.6	50.00	16	33.6	F0 J	13B	11734	J -2914626
34		7.9R	8 35.199	-0.0018	17	-28 2 38.75	-0.016	17	0.31	35.229	16	33.6	38.49	16	33.6	K5 J	13B	11735	J -2814262
35		9.2R	8 36.329	0.0000	15	-24 4 17.54	0.016	15	0.29	36.328	16	33.6	17.79	16	33.6	B9 J	14	12557	E -2414019
36		9.4R	8 37.225	-0.0014	22	-24 27 54.21	0.026	22	0.40	37.248	16	33.6	54.63	16	33.6	A0 J	14	12558	E -2414020
37		5.1T	8 40.200	0.0013	04	-23 42 17.18	-0.020	04	0.21	40.137	07	01.3	46.17	07	00.7	K0	GC	24799K	C*-2414047
38		9.4R	8 40.205	0.0025	18	-24 4 2.78	0.020	18	0.34	40.164	16	33.6	3.10	16	33.6		14	12561	E -2414023
39		9.2R	8 40.492	0.0014	18	-24 0 13.10	0.018	18	0.34	40.469	16	33.6	13.38	16	33.6	B8 J	14	12562	E -2414024
40		9.0R	8 41.289	-0.0002	15	-26 1 7.02	-0.045	15	0.29	41.293	16	33.6	6.28	16	33.6		14	12559	E -2612917
41		9.0R	8 41.354	0.0006	15	-26 1 57.30	-0.007	15	0.29	41.345	16	33.6	57.19	16	33.6	A0 J	14	12560	E -2612918
42		9.1R	8 42.125	0.0008	18	-22 7 0.21	0.060	18	0.34	42.111	16	33.6	1.19	16	33.6	B J	14	12564	E -2212681
43		9.2R	8 47.205	-0.0020	18	-25 4 3.06	-0.019	18	0.34	47.238	16	33.6	2.75	16	33.6	A0 M	14	12565	E -2512862
44		6.4T	8 47.451	0.0014	08	-28 54 50.52	-0.005	09	0.44	47.376	12	98.4	50.26	12	98.5	A0P	GC	24805	C -2814268
45		8.0R	8 49.123	0.0007	17	-29 35 1.62	-0.018	17	0.31	49.111	16	33.6	1.33	16	33.6	B9 J	13B	11738	J -2914632
46		8.5R	8 51.113	-0.0005	12	-27 49 30.06	-0.047	12	0.25	51.121	16	33.6	29.29	16	33.6	K0 J	13B	11739	J -2712533
47		9.1A	8 51.915	-0.0003	20	-20 35 8.85	0.000	00	0.28	51.921	16	33.6	8.86	16	33.6	A0 J	13A	7525	A*-20 5024
48		9.0A	8 54.576	-0.0093	20	-20 20 46.40	-0.019	15	0.33	54.728	16	33.6	46.09	16	33.6	K5 J	13A	7526	A -20 5025
49		8.5R	8 57.917	0.0007	15	-26 24 34.71	-0.028	15	0.29	57.905	16	33.6	34.25	16	33.6	A0 J	14	12567	E -2612925
50		7.8A	8 58.461	0.0009	20	-20 26 10.21	-0.013	15	0.33	58.446	16	33.6	10.00	16	33.6	B1 J	13A	7527	A -20 5027
51		9.3R	18 9 0.713	-0.0026	18	-24 6 49.15	0.040	18	0.34	0.755	16	33.6	49.80	16	33.6	B8 J	14	12568	E -2414030
52		9.0R	9 1.504	0.0024	20	-29 52 21.01	0.012	20	0.36	1.465	16	33.6	21.21	16	33.6	M3 M	13B	11740	J -2914636
53		8.5R	9 5.593	0.0020	20	-29 2 9.00	0.006	20	0.36	5.560	16	33.6	9.10	16	33.6	K5 J	13B	11741	J -2914637
54		9.6R	9 5.874	-0.0028	22	-24 51 36.91	0.022	22	0.40	5.920	16	33.6	37.27	16	33.6	K5 J	14	12569	E -2414032
55		9.0R	9 11.387	-0.0015	20	-29 29 18.48	0.004	20	0.36	11.413	16	33.6	18.54	16	33.6	B8 J	13B	11743	J -2914640
56		9.3A	9 13.221	-0.0016	15	-21 14 36.48	-0.029	12	0.27	13.247	16	33.6	36.01	16	33.6	K0 J	13A	7530	A -21 4894
57		8.8R	9 15.420	0.0017	20	-29 22 0.33	0.016	20	0.36	15.393	16	33.6	0.59	16	33.6	A3 J	13B	11745	J -2914642
58		8.7R	9 19.716	-0.0013	18	-27 55 43.86	-0.058	18	0.34	19.738	16	33.6	42.91	16	33.6	A2P J	13B	11747	J -2712549
59		8.8R	9 21.711	-0.0030	20	-28 14 54.46	0.027	20	0.36	21.760	16	33.6	54.90	16	33.6	G5 J	13B	11748	J -2814280
60		9.2R	9 24.338	-0.0008	12	-26 44 50.54	-0.008	12	0.25	24.352	16	33.6	50.42	16	33.6	B J	14	12570	E -2612929
61		7.4T	9 27.939	0.0004	10	-28 14 59.21	0.003	09	0.55	27.916	17	98.1	59.38	17	96.6	+++	GC	24818	C*-2814282
62		9.2R	9 30.504	0.0022	20	-27 9 17.87	-0.012	20	0.36	30.469	16	33.6	17.67	16	33.6	B9 J	13B	11751	J -2712554
63		9.7R	9 31.403	-0.0048	20	-22 53 46.85	0.020	20	0.36	31.483	16	33.6	47.18	16	33.6	A0 M	14	12571	E -2212697
64		9.0R	9 33.168	-0.0019	18	-27 37 14.64	-0.050	18	0.34	33.200	16	33.6	13.82	16	33.6	A2 J	13B	11753	J -2712555
65		9.2R	9 34.511	0.0013	20	-28 58 34.49	0.009	20	0.36	34.491	16	33.6	34.64	16	33.6	A0 J	13B	11752	J -2814286
66		8.7A	9 40.708	-0.0013	17	-21 0 4.18	0.015	12	0.28	40.730	16	33.6	4.43	16	33.6	B8 J	13A	7534	A -21 4900
67		8.9A	9 41.186	-0.0016	20	-20 28 2.72	-0.004	15	0.33	41.213	16	33.6	2.65	16	33.6	A0 J	13A	7536	A -20 5030
68		9.2R	9 41.965	0.0008	18	-24 39 28.18	0.028	18	0.34	41.952	16	33.6	28.64	16	33.6	B9 J	14	12572	E -2414038
69		9.0R	9 43.552	0.0010	18	-24 29 57.87	-0.018	18	0.34	43.535	16	33.6	57.57	16	33.6	A5 J	14	12573	E -2414042
70		8.7R	9 44.033	-0.0030	18	-23 34 55.73	-0.019	18	0.34	44.082	16	33.6	55.41	16	33.6	K2 J	14	12574	E -2314066
71		9.2R	9 44.588	-0.0003	20	-28 17 35.99	0.025	20	0.36	44.594	16	33.6	36.40	16	33.6	A0 J	13B	11754	J -2814290
72		9.2R	9 49.441	-0.0007	20	-28 19 50.83	0.025	20	0.36	49.431	16	33.6	51.24	16	33.6	A0 J	13B	11755	J -2814291
73		8.8R	9 53.399	-0.0013	18	-26 54 11.01	-0.016	18	0.34	53.421	16	33.6	10.75	16	33.6	A0 J	14	12575	E -2612941
74		9.1R	9 53.622	-0.0017	15	-22 28 0.62	0.007	15	0.29	53.649	16	33.6	0.73	16	33.6	A0 J	14	12577	E -2212706
75		9.4R	9 55.401	0.0003	17	-28 14 6.13	0.023	17	0.31	55.395	16	33.6	6.51	16	33.6	K0 J	13B	11757	J -2814293
76		9.0R	9 56.205	0.0000	21	-29 42 41.44	-0.028	21	0.38	56.205	16	33.6	40.98	16	33.6	K5 J	13B	11756	J -2914659
77		9.2R	9 59.961	0.0014	18	-25 0 13.86	-0.010	18	0.34	59.937	16	33.6	13.69	16	33.6	K0 J	14	12578	E -2512884
78	6.7I		10 0.173	-0.0005	11	-23 7 52.47	-0.006	09	0.59	0.198	18	97.0	52.12	18	90.5	F5	GC	24830X	C*-2314072
79		9.2R	10 2.617	-0.0004	20	-28 52 7.65	-0.017	20	0.36	2.624	16	33.6	7.37	16	33.6	G5 J	13B	11758	J -2814300
80		9.2R	10 8.656	0.0011	17	-29 22 0.88	-0.003	17	0.31	8.639	16	33.6	0.83	16	33.6	B9 J	13B	11759	J -2914666
81		8.2R	10 11.019	0.0008	18	-27 13 45.92	-0.025	18	0.34	11.007	16	33.6	45.52	16	33.6	B9 J	13B	11761	J -2712567
82		8.8A	10 13.868	0.0002	18	-21 44 33.05	-0.026	13	0.30	13.865	16	33.6	32.62	16	33.6	G5 J	13A	7542K	A -21 4903
83		8.5A	10 14.148	-0.0025	20	-21 16 35.18	0.003	15	0.33	14.169	16	33.6	35.24	16	33.6	B9 J	13A	7543	A -21 4904
84		7.7R	10 17.362	-0.0007	18	-25 9 54.72	-0.028	18	0.34	17.350	16	33.6	54.26	16	33.6	A2 J	14	12580	E -2512889
85		8.6R	10 17.942	-0.0021	18	-22 50 53.34	0.022	18	0.34	17.908	16	33.6	53.71	16	33.6	K2 J	14	12581	E -2212717
86		9.4T	10 21.064	0.0060	20	-28 16 11.03	0.011	32	1.22	20.769	18	01.2	11.53	21	05.4	A2	GC	24842	C -2814305
87		9.2R	10 21.298	-0.0012	12	-22 3 15.60	-0.000	12	0.25	21.317	16	33.6	15.59	16	33.6	A0 J	14	12582	E -2212719
88		9.3R	10 22.892	-0.0030	18	-27 54 29.26	-0.040	18	0.34	22.941	16	33.6	28.60	16	33.6	A0 J	13B	11764	J -2712572
89		8.6R	10 23.497	-0.0004	18	-22 43 54.82	0.005	18	0.34	23.503	16	33.6	54.90	16	33.6	B2 J	14	12583	E -2212725
90		8.6R	10 29.677	0.0011	15	-24 36 32.41	-0.001	15	0.29	29.658	16	33.6	32.39	16	33.6	A0 J	14	12584	E -2414057
91		8.2R	10 32.018	0.0002	18	-24 17 42.36	-0.026	18	0.34	32.016	16	33.6	41.92	16	33.6	K5 J	14	12585	E -2414060
92		9.5R	10 34.861	-0.0006	18	-23 42 36.46	-0.014	18	0.34	34.870	16	33.6	36.23	16	33.6	A0 J	14	12586	E -2314088
93		9.2R	10 34.940	0.0015	20	-29 52 38.61	-0.013	20	0.36	34.915	16	33.6	38.40	16	33.6	K0 J	13B	11766	J -2914676
94		8.5R	10 36.095	-0.0012	20	-28 50 30.12	0.042	20	0.36	36.114	16	33.6	30.81	16	33.6	K0 J	13B	11767	J -2814310
95		8.9R	10 39.601	-0.0003	18	-23 6 57.42	0.007	18	0.34	39.606	16	33.6	57.54	16	33.6	M0 J	14	12587	E -2314092
96		9.0R	10 44.660	0.0009	21	-29 33 1.43	0.017	21	0.38	44.646	16	33.6	1.71	16	33.6	K2 J	13B	11769	J -2914681
97		4.0H	10 46.324	0.0002	01	-21 4 25.46	0.001	01	0.04	46.317	02	07.9	25.49	02	08.6	B8F	F4	682	-21 4908
98		9.2R	10 49.082	0.0029	21	-29 13 53.41	0.007	21	0.38	49.035	16	33.6	53.52	16	33.6	K2 M	13B	11770	J -2914685
99		9.3R	10 50.485	-0.0006	22	-24 25 32.91	0.018	22	0.40	50.495	16	33.6	33.20	16	33.6	A0 J	14	12589	E -2414067
00		9.7R	10 51.656	-0.0037	21	-26 45 7.52	-0.019	21	0.38	51.717	16	33.6	7.21	16	33.6	A0 J	14	12588	E -2612955

186500

EPOCH 1950 — ORIGINAL EPOCH — SOURCE — -20° 18H

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	σ'_μ ″.001	σ_{1950} ″	α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	CAT.	STAR NUMBER	DM NUMBER
1		8.8R	18 10 52.085	0.0022	20	-28 42 20.89	-0.012	20	0.36	52.059	16	33.6	20.69	16	33.6	F0 J	13B	11772	J -2814314
2		9.2R	10 53.379	-0.0006	00	-24 19 4.55	-0.017	22	0.30	53.389	16	33.6	4.26	16	33.6	F8 M	14	12590	E -2414068
3		9.2R	10 58.069	0.0006	20	-25 2 58.05	0.020	20	0.36	58.058	16	33.6	58.38	16	33.6	B9 J	14	12591	E -2512897
4		9.2R	10 59.896	0.0018	20	-28 19 46.26	-0.023	20	0.36	59.867	16	33.6	45.89	16	33.6	K7 J	13B	11773	J -2814320
5		7.5R	11 2.292	0.0000	18	-27 31 4.25	-0.034	18	0.34	2.291	16	33.6	3.69	16	33.6	B9 J	13B	11774	J -2712588
6		8.5R	11 2.814	-0.0008	18	-25 19 33.76	-0.004	18	0.34	2.828	16	33.6	33.69	16	33.6	B5 J	14	12592	E -2512900
7		9.4R	11 5.350	-0.0007	20	-28 28 30.93	-0.028	20	0.36	5.362	16	33.6	30.47	16	33.6	K0 J	13B	11775	J -2814321
8		9.2R	11 14.633	-0.0006	18	-27 42 9.30	-0.037	18	0.34	14.642	16	33.6	8.69	16	33.6	A2 J	13B	11776	J -2712594
9		5.7T	11 15.616	-0.0006	04	-21 43 42.03	-0.023	04	0.23	15.646	07	01.5	40.88	09	00.9	K0	GC	24871	B*-21 4916
10		8.6R	11 21.537	0.0019	18	-26 12 53.78	-0.031	18	0.34	21.506	16	33.6	53.28	16	33.6	A5 J	14	12595	E -2612964
11		9.3R	11 22.690	0.0028	21	-29 33 37.05	0.048	21	0.38	22.643	16	33.6	37.84	16	33.6	A0 J	13B	11777	J -2914701
12		8.0R	11 22.691	0.0001	17	-28 51 16.04	0.025	17	0.31	22.688	16	33.6	16.45	16	33.6	B8 J	13B	11778	J -2814329
13		9.1R	11 24.653	0.0000	20	-29 33 5.94	0.014	20	0.36	24.653	16	33.6	6.17	16	33.6	A0 J	13B	11779	J -2914702
14		9.0R	11 27.324	0.0013	20	-28 22 37.72	0.006	20	0.36	27.302	16	33.6	37.82	16	33.6	B8 J	13B	11781	J -2814331
15		8.3R	11 27.377	0.0013	21	-27 59 47.18	-0.004	21	0.38	27.355	16	33.6	47.11	16	33.6	F8 J	13B	11782	J -2814334
16		9.1R	11 29.119	-0.0010	18	-23 24 18.98	-0.012	18	0.34	29.136	16	33.6	18.79	16	33.6	B8 J	14	12596	E -2314112
17		8.5R	11 31.143	0.0010	15	-24 34 55.91	-0.013	15	0.29	31.127	16	33.6	55.70	16	33.6	G5 J	14	12597	E -2414079
18		9.2R	11 31.247	0.0028	21	-23 11 56.33	-0.146	21	0.38	31.201	16	33.6	53.94	16	33.6	K0 J	14	12599	E -2314113
19		9.4R	11 31.770	0.0004	18	-22 44 55.76	0.015	18	0.34	31.764	16	33.6	56.00	16	33.6	K2 J	14	12600	E -2212745
20		8.9R	11 32.001	-0.0030	22	-24 43 52.32	0.028	22	0.40	32.051	16	33.6	52.78	16	33.6	K5 J	14	12598	E -2414080
21		9.0A	11 33.338	-0.0012	17	-20 53 59.64	-0.007	12	0.28	33.358	16	33.6	59.54	16	33.6	B8 J	13A	7560	A -20 5045
22		9.5R	11 36.427	-0.0023	22	-23 7 58.01	0.056	22	0.40	36.465	16	33.6	58.92	16	33.6	A0 J	14	12601	E -2314114
23		9.1A	11 39.875	-0.0012	20	-21 44 45.92	-0.013	15	0.33	39.894	16	33.6	45.70	16	33.6	F0 J	13A	7563	A -21 4917
24		9.2R	11 42.478	-0.0006	20	-28 28 48.02	-0.022	20	0.36	42.489	16	33.6	47.66	16	33.6	B9 J	13B	11786	J -2814342
25		9.4R	11 44.005	-0.0000	18	-22 2 28.93	-0.004	18	0.34	44.005	16	33.6	28.86	16	33.6	G0 J	14	12602	E -2212751
26		9.0R	11 45.864	0.0005	18	-23 4 0.28	-0.011	18	0.34	45.856	16	33.6	0.11	16	33.6	A5 J	14	12603	E -2314119
27		9.3R	11 47.119	-0.0029	15	-23 46 53.72	0.007	15	0.29	47.167	16	33.6	53.83	16	33.6	F5 J	14	12604	E -2314118
28		8.6R	11 47.912	0.0012	20	-28 41 13.91	0.006	20	0.36	47.893	16	33.6	14.01	16	33.6	M3 M	13B	11787	J -2814345
29		8.5R	11 48.359	0.0008	18	-22 1 17.02	-0.004	18	0.34	48.345	16	33.6	16.95	16	33.6	G5 J	14	12605	E -2212754
30		9.0R	11 49.598	-0.0030	17	-28 23 44.78	-0.037	17	0.31	49.647	16	33.6	44.17	16	33.6	K0 J	13B	11788	J -2814346
31		6.8T	11 53.010	-0.0005	12	-29 50 20.16	-0.002	10	0.54	53.035	12	01.3	20.05	14	99.4	M0	GC	24884	C*-2914714
32		9.0R	12 1.248	-0.0014	18	-23 55 15.24	-0.039	18	0.34	1.271	16	33.6	14.60	16	33.6	G0 J	14	12609	E -2314124
33		8.8R	12 1.293	-0.0022	18	-25 4 16.53	-0.039	18	0.34	1.328	16	33.6	15.89	16	33.6	F0 J	14	12607	E -2512918
34		8.4T	12 2.781	-0.0004	12	-24 0 51.72	0.003	09	0.56	2.801	18	01.1	51.86	18	99.1	B8	GC	24886	C -2414088
35		8.3A	12 2.930	-0.0003	20	-20 53 15.48	-0.009	15	0.33	2.936	16	33.6	15.34	16	33.6	K0 J	13A	7570	A -20 5051
36		8.0R	12 3.312	-0.0035	20	-28 37 47.59	-0.013	20	0.36	3.370	16	33.6	47.37	16	33.6	A3 J	13B	11792	J -2814355
37		8.3R	12 3.854	0.0013	15	-26 19 43.36	-0.022	15	0.29	3.833	16	33.6	43.00	16	33.6	M1 M	14	12608	E -2612975
38		9.2R	12 3.947	-0.0012	18	-22 36 50.18	0.053	18	0.34	3.967	16	33.6	51.06	16	33.6	B8 J	14	12612	E -2212761
39		9.0R	12 4.012	-0.0003	18	-22 27 43.75	0.006	18	0.34	4.017	16	33.6	43.84	16	33.6	B5 J	14	12613	E -2212762
40		8.4R	12 5.617	0.0027	12	-25 48 20.49	-0.008	12	0.25	5.572	16	33.6	20.36	16	33.6	K5 J	14	12611	E -2512920
41		9.2R	12 12.559	0.0019	20	-28 50 14.30	-0.004	20	0.36	12.529	16	33.6	14.23	16	33.6	K0 J	13B	11793	J -2814357
42		9.3R	12 12.571	0.0013	18	-27 54 40.73	-0.084	18	0.34	12.549	16	33.6	39.36	16	33.6	K5 J	13B	11794	J -2712619
43		5.4T	12 13.877	0.0002	03	-20 44 41.67	0.002	03	0.16	13.864	07	97.2	41.81	07	93.7	B0	GC	24893	B*-20 5054
44		6.0T	12 14.367	-0.0002	04	-20 24 16.63	0.000	04	0.20	14.375	07	01.2	16.63	09	99.7	B1	GC	24895K	B*-20 5055
45		9.2R	12 18.181	0.0001	15	-23 58 37.27	-0.015	15	0.29	18.180	16	33.6	37.02	16	33.6	A0 J	14	12614	E -2414093
46		9.3R	12 21.107	-0.0031	22	-24 10 51.94	0.048	22	0.40	21.159	16	33.6	52.72	16	33.6	K5 J	14	12615	E -2414094
47		8.8R	12 21.334	0.0012	18	-22 45 22.21	0.024	18	0.34	21.315	16	33.6	22.61	16	33.6	B9 J	14	12616	E -2212768
48		8.7R	12 27.985	-0.0004	18	-23 8 2.29	0.002	18	0.34	27.991	16	33.6	2.33	16	33.6	B5 J	14	12619	E -2314132
49		8.5R	12 29.615	0.0011	17	-28 5 48.60	0.023	17	0.31	29.597	16	33.6	48.98	16	33.6	B8 J	13B	11795	J -2814364
50		8.5R	12 32.384	-0.0009	15	-26 20 40.21	-0.014	15	0.29	32.399	16	33.6	39.98	16	33.6	A5 J	14	12618	E -2612981
51		9.3A	18 12 33.293	0.0002	18	-20 55 21.03	-0.010	12	0.30	33.289	16	33.6	20.87	16	33.6	K5 J	13A	7577	A -20 5058
52		9.2R	12 36.443	0.0020	18	-24 6 38.11	-0.019	18	0.34	36.410	16	33.6	37.79	16	33.6	K7 J	14	12621	E -2414100
53		8.7R	12 36.501	0.0049	15	-26 25 42.48	-0.017	15	0.29	36.421	16	33.6	42.20	16	33.6	G0 J	14	12620	E -2612982
54		9.0R	12 39.591	-0.0010	12	-29 34 32.74	-0.013	12	0.25	39.607	16	33.6	32.53	16	33.6	K2 J	13B	11797	J -2914739
55		8.5R	12 45.572	0.0044	18	-23 49 51.34	-0.152	18	0.34	45.501	16	33.6	48.84	16	33.6	G5 J	14	12622	E -2314137
56		8.6R	12 45.782	0.0007	17	-29 10 21.46	-0.011	17	0.31	45.770	16	33.6	21.28	16	33.6	B8 J	13B	11798	J -2914732
57		9.3R	12 48.050	-0.0022	12	-23 34 45.27	-0.040	12	0.25	48.086	16	33.6	44.61	16	33.6	F0 J	14	12623	E -2314139
58		8.7R	12 51.833	-0.0007	12	-25 43 41.99	0.023	12	0.25	51.844	16	33.6	42.37	16	33.6	K0 J	14	12624	E -2512935
59		9.3R	12 52.819	0.0011	18	-25 28 38.92	0.005	18	0.34	52.801	16	33.6	39.00	16	33.6	B8 J	14	12625	E -2512937
60		8.8T	12 58.374	0.0040	18	-28 6 55.44	-0.035	17	0.88	58.177	19	01.2	53.74	19	01.3	A0	GC	24908	C -2814377
61		9.4R	12 58.465	-0.0020	18	-25 43 28.40	0.000	18	0.34	58.498	16	33.6	28.40	16	33.6	B9 J	14	12626	E -2512938
62		9.0R	13 3.416	0.0035	20	-29 7 41.35	-0.028	20	0.36	3.359	16	33.6	40.89	16	33.6	B8 J	13B	11803	J -2914736
63		8.2R	13 9.698	0.0014	20	-28 56 58.79	0.008	20	0.36	9.675	16	33.6	58.92	16	33.6	K2 J	13B	11805	J -2814381
64		9.2R	13 9.705	0.0003	18	-25 52 51.75	-0.048	18	0.34	9.700	16	33.6	50.96	16	33.6	A0 J	14	12627	E -2512943
65		8.6R	13 13.160	0.0014	12	-25 34 0.52	0.000	12	0.25	13.137	16	33.6	0.52	16	33.6	B8 J	14	12628	E -2512946
66		8.3R	13 14.792	0.0012	18	-27 25 53.18	-0.030	18	0.34	14.772	16	33.6	52.69	16	33.6	B9 J	13B	11808	J -2712644
67		9.2R	13 16.436	-0.0020	18	-27 14 18.64	-0.023	18	0.34	16.469	16	33.6	18.26	16	33.6	B8 J	13B	11809	J -2712648
68		8.5R	13 18.756	0.0015	18	-27 56 44.64	-0.048	18	0.34	18.731	16	33.6	43.85	16	33.6	M0 M	13B	11810	J -2712647
69		8.7R	13 19.272	0.0004	20	-28 19 24.38	0.019	20	0.36	19.265	16	33.6	24.69	16	33.6	K0 J	13B	11811	J -2814386
70		9.0R	13 19.525	-0.0000	15	-22 3 1.85	0.012	15	0.29	19.526	16	33.6	2.04	16	33.6	K2 J	14	12630	E -2212779
71		9.2R	13 21.682	-0.0020	18	-25 0 40.82	0.006	18	0.34	21.715	16	33.6	40.92	16	33.6	B8 J	14	12629	E -2512950
72		8.6R	13 28.262	-0.0006	17	-29 46 31.82	-0.006	17	0.31	28.272	16	33.6	31.72	16	33.6	A2 J	13B	11812	J -2914747
73		8.0R	13 30.838	0.0014	18	-23 55 12.53	-0.054	18	0.34	30.815	16	33.6	11.64	16	33.6	F0 J	14	12634	E -2314153
74		8.9R	13 35.458	0.0010	18	-23 14 12.01	-0.036	18	0.34	35.443	16	33.6	11.42	16	33.6	G5 J	14	12636	E -2314155
75		7.1T	13 36.586	0.0009	04	-20 33 45.94	-0.015	05	0.24	36.539	10	00.9	45.23	10	01.7	+++	GC	24918	B*-20 5068
76		9.0R	13 36.940	0.0012	17	-29 52 38.97	0.036	17	0.31	36.920	16	33.6	39.56	16	33.6	B8 J	13B	11813	J -2914752
77		9.0R	13 37.318	-0.0009	12	-25 6 14.42	0.022	12	0.25	37.333	16	33.6	14.78	16	33.6	G0 J	14	12635	E -2512957
78		8.7R	13 39.948	-0.0005	15	-24 1 40.96	-0.012	15	0.29	39.956	16	33.6	40.75	16	33.6	K5 J	14	12637	E -2414117
79		9.4R	13 46.419	-0.0037	18	-22 59 48.09	0.017	18	0.34	46.480	16	33.6	48.37	16	33.6	B8 J	14	12641	E -2314161
80		9.3R	13 48.090	0.0014	20	-25 2 12.09	0.030	20	0.36	48.067	16	33.6	12.58	16	33.6	A0 M	14	12640	E -2512963
81		9.2R	13 48.116	-0.0011	12	-25 10 30.57	0.039	12	0.25	48.134	16	33.6	31.21	16	33.6	A0 J	14	12639	E -2512962
82		6.7T	13 48.658	-0.0002	07	-27 43 58.61	-0.112	09	0.45	48.667	15	94.8	52.88	15	98.8	K0	GC	24928	C -2712658
83		9.0R	13 52.788	0.0049	18	-24 41 51.99	-0.048	18	0.34	52.708	16	33.6	51.20	16	33.6	G0 J	14	12642	E -2414120
84		9.1R	13 52.920	-0.0003	20	-28 17 22.35	0.058	20	0.36	52.924	16	33.6	23.30	16	33.6	K0 M	13B	11816	J -2814400
85		9.1R	13 55.543	-0.0051	22	-23 18 34.38	0.000	22	0.40	55.626	16	33.6	34.38	16	33.6	K0 M	14	12643	E -2314164
86		9.3R	14 2.709	-0.0040	18	-23 13 54.84	-0.038	18	0.34	2.776	16	33.6	54.22	16	33.6	A0 J	14	12645	E -2314168
87		9.2R	14 3.582	-0.0010	18	-23 59 43.04	0.017	18	0.34	3.598	16	33.6	43.31	16	33.6	B9 J	14	12644	E -2414124
88		9.2R	14 6.972	-0.0030	18	-22 52 30.42	-0.017	18	0.34	7.021	16	33.6	30.15	16	33.6	G0 J	14	12647	E -2212792
89		9.1R	14 7.943	-0.0001	18	-22 55 18.32	-0.012	18	0.34	7.944	16	33.6	18.13	16	33.6	K7 J	14	12648	E -2212793
90		9.3R	14 7.987	-0.0042	17	-26 35 34.12	-0.124	17	0.31	8.057	16	33.6	32.09	16	33.6	G5 J	14	12646	E -2613001
91		8.4R	14 8.652	0.0014	18	-22 11 19.37	0.023	18	0.34	8.630	16	33.6	19.74	16	33.6	K5 J	14	12649	E -2212794
92		9.1R	14 13.427	0.0027	20	-29 26 25.70	0.015	20	0.36	13.382	16	33.6	25.94	16	33.6	K0 J	13B	11820	J -2914764
93		6.3T	14 13.546	0.0102	09	-28 18 22.52	-0.157	07	0.42	13.030	12	99.6	14.55	12	99.2	F8	GC	24939	C*-2814458
94		6.0T	14 13.775	0.0004	09	-28 40 16.58	-0.027	09	0.50	13.751	14	98.0	15.12	14	96.0	A3	GC	24941	C -2814457
95		8.7R	14 16.999	0.0009	18	-27 31 0.34	-0.014	18	0.34	16.985	16	33.6	0.11	16	33.6	K5 J	13B	11824	J -2712668
96		8.9R	14 19.763	0.0017	20	-28 17 2.36	-0.003	20	0.36	19.735	16	33.6	2.32	16	33.6	K0 J	13B	11825	J -2814412
97		9.4R	14 21.484	-0.0009	18	-23 24 26.63	0.006	18	0.34	21.500	16	33.6	26.73	16	33.6	B8 J	14	12650	E -2314176
98		8.2R	14 26.257	0.0011	18	-27 53 5.73	-0.073	18	0.34	26.239	16	33.6	4.54	16	33.6	B9 J	13B	11826	J -2712672
99		8.6R	14 27.914	0.0000	17	-28 7 10.71	0.008	17	0.31	27.913	16	33.6	10.84	16	33.6	A0 J	13B	11829	J -2814413
00		8.4R	14 30.717	0.0022	12	-25 21 40.47	0.015	12	0.25	30.681	16	33.6	40.72	16	33.6	K5 J	14	12651	E -2512973

186600			EPOCH 1950								ORIGINAL EPOCH							SP.		SOURCE		-20° 18H
NUMBER	MAGNITUDES		α_{1950}	μ	σ_μ	δ_{1950}	μ'	σ'_μ	σ_{1950}		α_2	σ	ep.	δ_2	σ'	ep.			CAT.	STAR NUMBER	DM NUMBER
	m_{pg}	m_v	h m s	s	.001	° ′ ″	″	.001	″		s	.01		″	.01						
1		8.6R	18 14 31.927	-0.0001	18	-27 55 2.75	-0.067	18	0.34		51.929	16	33.6	1.65	16	33.6	B9	J	13B	11830	J -2712674
2		8.7R	14 33.305	0.0012	18	-23 36 34.98	-0.004	18	0.34		33.285	16	33.6	34.90	16	33.6	A0	J	14	12652	E -2314184
3		8.7R	14 35.137	0.0010	18	-27 52 57.93	-0.031	18	0.34		35.120	16	33.6	57.42	16	33.6	K2	J	13B	11831	J -2712678
4		8.8A	14 36.862	-0.0012	20	-20 36 46.12	-0.031	15	0.33		36.882	16	33.6	45.61	16	33.6	A	J	13A	7599	A -20 5077
5		9.3R	14 39.029	0.0054	17	-29 49 6.15	-0.034	17	0.31		38.941	16	33.6	5.59	16	33.6	A3	J	13B	11832	J -2914773
6		7.5R	14 43.349	0.0006	15	-27 22 28.79	-0.033	15	0.29		43.338	16	33.6	28.26	16	33.6	M0	M	13B	11834	J -2712682
7		8.5R	14 45.168	0.0017	17	-29 16 37.60	0.009	17	0.31		45.141	16	33.6	37.74	16	33.6	B8	J	13B	11833	J -2914775
8		8.0R	14 45.273	-0.0016	18	-23 17 48.14	-0.016	18	0.34		45.299	16	33.6	47.88	16	33.6	B8	J	14	12654	E -2314187
9		9.1R	14 47.445	0.0021	15	-26 39 1.50	-0.007	15	0.29		47.411	16	33.6	1.38	16	33.6	K2	J	14	12653	E -2613012
10		8.2R	14 53.216	-0.0016	15	-22 18 41.31	0.006	15	0.29		53.242	16	33.6	41.41	16	33.6	K2	J	14	12656	E -2212806
11		9.0A	14 54.654	0.0005	18	-20 41 25.63	0.012	13	0.30		54.646	16	33.6	25.83	16	33.6	A2	J	13A	7603	A -20 5078
12		4.7T	14 55.336	0.0007	04	-27 3 44.96	0.005	04	0.22		55.301	07	00.1	45.23	09	98.1	K5		GC	24961	C*-2712684
13		8.2R	14 55.734	0.0002	18	-22 21 46.94	-0.012	18	0.34		55.731	16	33.6	46.74	16	33.6	G5	J	14	12657	E -2212809
14		8.9R	14 55.924	0.0008	12	-25 6 4.32	-0.017	12	0.25		55.911	16	33.6	4.04	16	33.6	A0	J	14	12655	E -2512983
15		8.7R	14 56.407	-0.0010	20	-29 43 57.12	0.026	20	0.36		56.423	16	33.6	57.55	16	33.6	B9	J	13B	11835	J -2914781
16		9.4R	14 59.876	-0.0016	18	-27 27 54.76	-0.026	18	0.34		59.903	16	33.6	54.34	16	33.6	B9	J	13B	11838	J -2712687
17		9.1R	15 3.383	-0.0001	18	-23 40 23.07	-0.000	18	0.34		3.384	16	33.6	23.07	16	33.6	B9	J	14	12659	E -2314195
18		8.9R	15 3.447	0.0019	18	-24 36 16.15	0.020	18	0.34		3.415	16	33.6	16.48	16	33.6	K7	J	14	12658	E -2414141
19		8.7R	15 4.951	0.0017	18	-27 55 27.20	-0.027	18	0.34		4.923	16	33.6	26.77	16	33.6	K7	J	13B	11839	J -2712688
20		9.1R	15 10.714	0.0008	18	-24 22 33.22	-0.009	18	0.34		10.701	16	33.6	33.07	16	33.6	B9	J	14	12660	E -2414147
21		8.9R	15 10.985	-0.0019	17	-28 40 32.11	-0.042	17	0.31		11.017	16	33.6	31.42	16	33.6	A2	J	13B	11841	J -2814432
22		9.4R	15 14.147	0.0001	18	-22 1 24.08	0.019	18	0.34		14.145	16	33.6	24.39	16	33.6	A0	J	14	12664	E -2212814
23		9.0R	15 14.866	-0.0032	15	-24 19 23.06	0.003	20	0.33		14.919	16	33.6	23.11	16	33.6	M3	M	14	12662	E -2414152
24		9.0R	15 15.467	-0.0006	18	-23 29 32.85	0.004	18	0.34		15.478	16	33.6	32.92	16	33.6	F2	J	14	12663	E -2314197
25		9.3R	15 23.928	0.0007	18	-23 3 57.88	-0.011	18	0.34		23.917	16	33.6	57.71	16	33.6	A0	M	14	12665	E -2314201
26		9.1R	15 29.924	-0.0020	18	-22 2 34.66	-0.009	18	0.34		29.956	16	33.6	34.51	16	33.6	G5	M	14	12666	E -2212823
27		8.8R	15 35.642	-0.0013	18	-22 34 5.12	-0.009	18	0.34		35.663	16	33.6	4.98	16	33.6	A0	J	14	12670	E -2212824
28		8.4R	15 35.768	0.0009	12	-25 57 21.64	-0.009	12	0.25		35.754	16	33.6	21.49	16	33.6	K2	J	14	12667	E -2512994
29		6.4T	15 36.026	-0.0002	10	-25 37 30.51	-0.030	08	0.49		36.037	15	99.7	28.88	14	95.3	K0		GC	24976	C -2512995
30		9.4R	15 36.408	-0.0030	18	-24 24 38.38	0.013	18	0.34		36.457	16	33.6	38.58	16	33.6	B8	J	14	12669	E -2414158
31		9.3A	15 47.123	-0.0014	20	-20 46 23.96	0.000	00	0.28		47.146	16	33.6	23.97	16	33.6	B8	J	13A	7612	A -20 5084
32		9.0R	15 48.860	0.0004	12	-29 43 32.52	-0.038	12	0.25		48.853	16	33.6	31.90	16	33.6	A2	J	13B	11846	J -2914797
33		8.5R	15 49.627	-0.0004	18	-23 5 13.59	0.025	18	0.34		49.633	16	33.6	14.00	16	33.6	K0	J	14	12671	E -2314212
34		8.9A	15 53.106	0.0001	17	-21 28 53.97	-0.020	12	0.28		53.104	16	33.6	53.65	16	33.6	B9	J	13A	7615	A -21 4943
35		9.1R	15 53.707	0.0009	17	-28 14 11.21	0.004	17	0.31		53.693	16	33.6	11.28	16	33.6	B9	J	13B	11847	J -2814441
36		9.3R	15 57.988	0.0015	18	-25 20 53.02	-0.087	18	0.34		57.963	16	33.6	51.59	16	33.6	G5	J	14	12673	E -2513002
37		9.1R	15 58.464	-0.0009	15	-26 45 34.90	0.006	15	0.29		58.479	16	33.6	35.00	16	33.6	A0	J	14	12672	E -2613032
38		9.3A	15 58.750	-0.0041	20	-21 19 24.43	-0.010	15	0.33		58.817	16	33.6	24.28	16	33.6	B9	J	13A	7618	A -21 4945
39		9.2R	15 59.451	0.0005	18	-22 58 15.25	-0.007	18	0.34		59.443	16	33.6	15.14	16	33.6	B9	J	14	12675	E -2212828
40		8.9R	16 1.615	0.0016	17	-29 42 7.82	-0.001	17	0.31		1.588	16	33.6	7.80	16	33.6	A0	J	13B	11848	J -2914799
41		8.9R	16 2.878	-0.0007	12	-25 32 36.19	-0.018	12	0.25		2.890	16	33.6	35.89	16	33.6	G5	J	14	12674	E -2513004
42		8.5R	16 13.572	0.0041	12	-29 1 16.68	0.003	12	0.25		13.505	16	33.6	16.73	16	33.6	A0	J	13B	11849	J -2914804
43		9.0R	16 16.344	-0.0002	18	-25 21 22.60	-0.027	18	0.34		16.347	16	33.6	22.16	16	33.6	F5	J	14	12677	E -2513007
44		8.7R	16 17.670	-0.0001	18	-22 45 32.55	0.032	18	0.34		17.671	16	33.6	33.08	16	33.6	K0	J	14	12679	E -2212835
45		8.3R	16 18.306	-0.0008	18	-26 20 46.32	-0.062	18	0.34		18.320	16	33.6	45.30	16	33.6	K0	J	14	12678	E -2613040
46		9.0R	16 22.828	0.0016	17	-29 14 48.32	-0.016	17	0.31		22.802	16	33.6	48.05	16	33.6	K0	J	13B	11850K	J -2914807
47		9.2R	16 26.601	-0.0005	15	-22 23 9.24	-0.005	15	0.29		26.610	16	33.6	9.15	16	33.6	F5	J	14	12681	E -2212837
48		9.3R	16 27.626	-0.0027	20	-23 19 53.52	-0.012	20	0.36		27.670	16	33.6	53.33	16	33.6	A2	J	14	12680	E -2312227
49		9.1R	16 29.078	-0.0000	15	-22 27 47.52	0.036	15	0.29		29.078	16	33.6	48.11	16	33.6	K0	J	14	12683	E -2212838
50		9.2R	16 29.536	0.0027	15	-23 29 11.94	-0.015	15	0.29		29.492	16	33.6	11.70	16	33.6	K0	J	14	12682	E -2314228
51		8.2R	18 16 30.449	-0.0004	20	-29 38 30.40	-0.016	20	0.36		30.455	16	33.6	30.14	16	33.6	K0	J	13B	11851	J -2914809
52		9.1R	16 31.608	-0.0034	12	-28 27 53.08	0.030	12	0.25		31.665	16	33.6	53.57	16	33.6	B8	J	13B	11853	J -2814454
53		8.4R	16 34.701	-0.0009	15	-27 31 39.84	-0.034	15	0.29		34.715	16	33.6	39.28	16	33.6	A2	J	13B	11854	J -2712721
54		9.0A	16 35.333	-0.0004	00	-22 7 5.00	-0.024	15	0.23		35.338	16	33.6	4.60	16	33.6	K0	J	13A	7622	A -22 4668
55		9.2R	16 38.270	0.0009	18	-22 33 2.14	-0.008	18	0.34		38.255	16	33.6	2.00	16	33.6	A5	J	14	12684	E -2212841
56		9.1R	16 41.069	-0.0012	12	-28 28 22.24	0.001	12	0.25		41.090	16	33.6	22.26	16	33.6	K2	J	13B	11856	J -2814457
57		9.0R	16 41.167	0.0065	20	-29 17 50.27	-0.037	20	0.36		41.061	16	33.6	49.66	16	33.6	G5	J	13B	11855	J -2914813
58		8.9R	16 44.364	-0.0015	18	-23 11 7.04	0.011	18	0.34		44.389	16	33.6	7.22	16	33.6	G5	J	14	12685	E -2314234
59		9.2A	16 50.637	-0.0009	17	-21 45 19.38	0.004	12	0.28		50.652	16	33.6	19.44	16	33.6	A0	J	13A	7625	A -21 4959
60		8.3R	16 52.320	-0.0019	18	-23 20 14.39	-0.007	18	0.34		52.351	16	33.6	14.28	16	33.6	M0	M	14	12686	E -2314236
61		9.6R	16 56.079	0.0009	15	-24 37 15.23	0.039	15	0.29		56.064	16	33.6	15.87	16	33.6	B9	J	14	12687	E -2414185
62		8.7R	16 58.547	0.0006	18	-26 14 32.18	0.000	15	0.31		58.537	16	33.6	32.18	16	33.6	K0	M	14	12688	E -2613050
63		8.7R	16 58.635	0.0007	12	-26 11 47.65	-0.018	12	0.25		58.623	16	33.6	47.35	16	33.6	B9	J	14	12689	E -2613049
64		9.2R	17 4.415	0.0024	20	-25 57 10.63	0.001	20	0.36		4.376	16	33.6	10.65	16	33.6	K2	M	14	12690	E -2513023
65		9.0R	17 5.188	-0.0002	18	-24 57 58.27	0.017	18	0.34		5.192	16	33.6	58.55	16	33.6	B9	J	14	12691	E -2414189
66		9.2R	17 6.005	0.0008	20	-29 19 24.39	-0.009	20	0.36		5.992	16	33.6	24.24	16	33.6	K5	J	13B	11857	J -2914820
67		9.2R	17 7.823	-0.0016	20	-29 4 33.21	0.005	20	0.36		7.850	16	33.6	33.29	16	33.6	F2	J	13B	11858	J -2914821
68		9.1R	17 8.772	-0.0012	18	-22 12 15.45	-0.031	18	0.34		8.791	16	33.6	15.95	16	33.6	G0	J	14	12692	E -2212852
69		9.2A	17 9.646	0.0008	20	-21 31 42.79	-0.103	15	0.33		9.633	16	33.6	41.10	16	33.6	G0	J	13A	7630	A -21 4952
70		9.1A	17 12.046	-0.0005	18	-21 18 33.29	0.019	13	0.30		12.055	16	33.6	33.61	16	33.6	A0	J	13A	7631	A -21 4953
71		7.4R	17 12.764	0.0017	15	-27 25 49.25	-0.035	15	0.29		12.737	16	33.6	48.67	16	33.6	K0	J	13B	11862	J -2712729
72		7.4R	17 14.597	0.0020	17	-29 5 21.60	0.004	17	0.31		14.565	16	33.6	21.66	16	33.6	G5	J	13B	11861	J -2914823
73		9.0A	17 16.559	-0.0008	20	-21 30 50.85	-0.024	15	0.33		16.571	16	33.6	50.45	16	33.6	A2	J	13A	7632	A -21 4954
74		9.2R	17 17.268	0.0017	18	-22 31 38.58	0.005	18	0.34		17.241	16	33.6	38.66	16	33.6	M0	J	14	12694	E -2212856
75		8.8R	17 23.972	0.0081	20	-22 10 47.11	0.037	20	0.36		23.839	16	33.6	47.71	16	33.6	B8	J	14	12695	E -2212859
76		9.2R	17 26.962	-0.0000	20	-29 20 46.72	0.009	20	0.36		26.963	16	33.6	46.87	16	33.6	K0	J	13B	11863	J -2914827
77		9.4R	17 33.418	0.0030	18	-23 21 13.17	-0.018	18	0.34		33.369	16	33.6	12.87	16	33.6	A0	J	14	12697	E -2314249
78		8.4A	17 34.320	-0.0023	20	-20 14 21.11	-0.020	15	0.33		34.358	16	33.6	20.78	16	33.6	F5	J	13A	7636	A -20 5097
79		8.9R	17 37.462	0.0003	15	-25 29 41.07	-0.010	15	0.29		37.456	16	33.6	40.90	16	33.6	B9	J	14	12698	E -2513031
80		8.1R	17 46.337	-0.0028	17	-28 8 33.26	-0.011	17	0.31		46.382	16	33.6	33.08	16	33.6	A0	J	13B	11866	J -2814475
81		2.8H	17 47.554	0.0030	01	-29 51 4.68	-0.029	02	0.07		47.439	03	12.3	3.56	03	11.3	K0		F4	687	C -2914834
82		9.0R	17 48.515	0.0005	18	-23 57 59.08	-0.012	18	0.34		48.506	16	33.6	58.88	16	33.6	M0	J	14	12700	E -2414202
83		8.7R	17 48.628	0.0022	20	-28 43 50.61	-0.017	20	0.36		48.592	16	33.6	50.33	16	33.6	K2	J	13B	11867	J -2814476
84		8.8R	17 50.564	0.0002	20	-28 22 17.73	0.013	20	0.36		50.561	16	33.6	17.94	16	33.6	A0	J	13B	11868	J -2814477
85		9.5R	17 56.102	-0.0024	18	-24 9 30.33	-0.007	18	0.34		56.142	16	33.6	30.21	16	33.6	A0	J	14	12701	E -2414206
86		9.5R	17 57.506	0.0009	21	-27 9 23.26	0.029	21	0.38		57.491	16	33.6	23.74	16	33.6	F2	J	13B	11873	J -2712744
87		6.7T	18 6.017	0.0006	11	-26 6 32.33	0.017	08	0.49		5.989	10	01.2	33.21	12	99.0	A3		GC	25031	C -2613068
88		9.0R	18 6.573	0.0014	20	-29 8 1.42	-0.035	20	0.36		6.550	16	33.6	0.84	16	33.6	K2	J	13B	11875	J -2914838
89		9.0R	18 6.929	0.0025	20	-25 33 55.65	-0.003	20	0.36		6.888	16	33.6	55.61	16	33.6	A2	J	14	12703	E -2513040
90		9.1R	18 8.315	0.0017	20	-29 52 30.60	-0.014	20	0.36		8.287	16	33.6	30.37	16	33.6	K0	J	13B	11876	J -2914839
91		8.8A	18 9.564	-0.0007	18	-20 18 42.50	-0.029	13	0.30		9.575	16	33.6	42.03	16	33.6	G5	J	13A	7639	A -20 5100
92		9.2R	18 10.812	-0.0027	22	-23 6 4.87	0.030	22	0.40		10.856	16	33.6	5.36	16	33.6	M1	M	14	12704	E -2314265
93		9.0R	18 12.369	-0.0027	20	-27 58 40.58	0.031	20	0.36		12.414	16	33.6	41.09	16	33.6	K0	J	13B	11878	J -2814482
94		8.8R	18 15.000	-0.0024	17	-29 33 43.24	-0.054	17	0.31		15.039	16	33.6	42.36	16	33.6	K2	J	13B	11879	J -2914840
95		9.2A	18 15.174	0.0012	20	-21 40 18.46	-0.011	15	0.33		15.155	16	33.6	18.28	16	33.6	F5	J	13A	7640	A -21 4960
96		9.0A	18 17.585	-0.0007	20	-21 23 46.78	-0.016	15	0.33		17.597	16	33.6	46.52	16	33.6	K	J	13A	7641	A -21 4961
97		8.8R	18 24.756	0.0009	18	-25 27 4.93	0.000	18	0.34		24.740	16	33.6	4.93	16	33.6	G0	J	14	12705	E -2513043
98		9.5R	18 24.846	-0.0037	18	-22 49 23.94	0.019	18	0.34		24.907	16	33.6	24.25	16	33.6	A0	J	14	12707	E -2212880
99		6.4T	18 26.641	0.0006	07	-24 56 21.85	0.008	06	0.29		26.613	09	06.1	22.22	09	03.7	MB		GC	25039	C*-2414219
00		9.1R	18 32.443	0.0004	18	-24 0 41.26	0.009	18	0.34		32.436	16	33.6	41.40	16	33.6	A0	J	14	12708	E -2414225

186700

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	EPOCH 1950 μ s	EPOCH 1950 σ_μ ″.001	EPOCH 1950 δ_{1950} ° ′ ″	EPOCH 1950 μ' ″	EPOCH 1950 σ'_μ ″.001	EPOCH 1950 σ_{1950} ″	ORIGINAL EPOCH α_2 s	ORIGINAL EPOCH σ ″.01	ORIGINAL EPOCH ep.	ORIGINAL EPOCH δ_2 ″	ORIGINAL EPOCH σ' ″.01	ORIGINAL EPOCH ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	-20° 18H DM NUMBER
1		9.3A	18 18 37.388	0.0005	20	-20 4 34.53	-0.007	15	0.33	37.389	16	33.6	34.42	16	33.6	F5 J	13A	7644	A -20 5104
2		9.4R	18 42.794	0.0026	18	-23 28 1.28	-0.007	18	0.34	42.752	16	33.6	1.17	16	33.6	A0 M	14	12709	E -2314276
3		8.9R	18 43.295	0.0002	20	-29 51 36.83	-0.004	20	0.36	43.292	16	33.6	36.76	16	33.6	M0 J	13B	11864	J -2914848
4		6.1T	18 50.266	0.0012	07	-28 27 16.81	-0.001	06	0.31	50.210	09	04.1	16.77	09	03.1	A2	GC	25055	C -2814495
5		9.2R	18 52.357	0.0004	18	-25 46 35.40	-0.005	18	0.34	52.350	16	33.6	34.83	16	33.6	K0 J	14	12715	E -2513052
6		9.4R	18 53.157	0.0007	20	-28 29 45.11	0.037	20	0.36	53.147	16	33.6	45.72	16	33.6	A0 M	13B	11888	J -2814497
7		9.3R	18 53.592	0.0036	17	-29 50 40.33	-0.031	17	0.31	53.533	16	33.6	39.82	16	33.6	G0 J	13B	11867	J -2914850
8		9.3R	18 54.274	0.0003	18	-23 27 20.74	-0.019	18	0.34	54.269	16	33.6	20.43	16	33.6	F8 J	14	12711	E -2314282
9		9.2R	18 55.095	0.0023	20	-28 44 22.13	0.000	20	0.36	55.058	16	33.6	22.13	16	33.6	K0 J	13B	11869	J -2814498
10		9.2A	18 55.230	-0.0014	20	-22 6 24.36	0.031	15	0.33	55.252	16	33.6	24.86	16	33.6	A0 J	13A	7648	A -22 4691
11		9.0R	18 56.314	0.0017	18	-23 17 59.21	-0.011	18	0.34	56.287	16	33.6	59.04	16	33.6	K0 M	14	12712	E -2314284
12		8.6R	18 56.351	0.0004	18	-22 2 47.35	-0.032	18	0.34	56.345	16	33.6	46.82	16	33.6	A3 J	14	12714	E -2212892
13		9.0R	18 56.996	-0.0030	22	-23 15 36.31	0.022	22	0.40	57.045	16	33.6	36.68	16	33.6	A5 M	14	12713	E -2314286
14		9.1A	18 59.576	-0.0006	18	-21 6 29.85	0.000	12	0.30	59.586	16	33.6	29.86	16	33.6	F0 J	13A	7650	A -21 4963
15		7.7R	19 1.083	0.0013	18	-22 56 47.22	-0.009	18	0.34	1.062	16	33.6	47.08	16	33.6	B8 J	14	12718	E+-2212893
16		9.0R	19 1.147	0.0009	12	-25 23 33.96	-0.022	12	0.25	1.131	16	33.6	33.60	16	33.6	B8 J	14	12716	E -2513053
17		7.1T	19 1.156	0.0015	08	-22 56 47.51	-0.014	07	0.41	1.079	10	00.0	46.78	10	97.7	B8	GC	25055	-22 4693
18		8.8R	19 1.726	0.0020	18	-25 15 53.03	-0.024	18	0.34	1.692	16	33.6	52.64	16	33.6	A2 J	14	12717	E -2513054
19		8.6R	19 3.384	0.0006	18	-22 19 20.55	-0.007	18	0.34	3.374	16	33.6	20.43	16	33.6	A0 J	14	12719	E -2212896
20		9.2R	19 4.526	0.0012	20	-28 56 41.50	0.002	20	0.36	4.507	16	33.6	41.53	16	33.6	B9 J	13B	11891	J -2814502
21		8.0R	19 9.121	0.0015	18	-22 15 49.42	0.001	18	0.34	9.096	16	33.6	49.43	16	33.6	K0 J	14	12722	E -2212897
22		8.9R	19 9.246	0.0024	18	-24 55 49.95	-0.000	18	0.34	9.229	16	33.6	49.95	16	33.6	B8 J	14	12720	E -2414244
23		8.5R	19 11.364	-0.0017	17	-28 12 57.83	-0.036	17	0.31	11.392	16	33.6	57.24	16	33.6	B8 M	13B	11893	J -2814505
24		9.2R	19 12.791	-0.0003	15	-24 39 26.99	0.001	15	0.29	12.787	16	33.6	27.00	16	33.6	A7 J	14	12723	E -2414245
25		9.0R	19 13.764	-0.0008	20	-28 14 56.91	0.041	20	0.36	13.777	16	33.6	57.58	16	33.6	K M	13B	11895	J -2814507
26		8.0T	19 14.118	0.0006	11	-26 26 29.98	-0.001	08	0.54	14.089	17	99.5	29.94	17	95.8	B	GC	25060	C -2613081
27		9.0R	19 14.464	0.0012	20	-29 37 34.95	-0.023	20	0.36	14.444	16	33.6	34.57	16	33.6	K2 J	13B	11894	J -2914856
28		9.1R	19 16.468	-0.0002	18	-24 9 58.66	-0.000	18	0.34	16.472	16	33.6	58.65	16	33.6	G5 J	14	12725	E -2414247
29		9.3A	19 17.842	0.0014	20	-20 43 35.97	0.000	15	0.33	17.820	16	33.6	35.98	16	33.6	F2 J	13A	7653	A -20 5107
30		8.8R	19 18.579	0.0002	18	-26 56 7.78	-0.036	18	0.34	18.576	16	33.6	7.19	16	33.6	A0 J	14	12724	E -2613082
31		9.4R	19 22.147	0.0007	20	-26 52 16.38	-0.064	20	0.36	22.136	16	33.6	15.34	16	33.6	F0 M	14	12726	E -2613083
32		9.0A	19 22.645	-0.0016	20	-20 5 32.63	-0.048	15	0.33	22.672	16	33.6	31.85	16	33.6	B0 J	13A	7654	A -20 5108
33		8.4R	19 22.742	0.0007	15	-26 56 11.17	-0.032	15	0.29	22.731	16	33.6	10.65	16	33.6	A0 J	14	12727	E -2613084
34		9.3A	19 29.936	0.0000	20	-21 23 51.08	-0.026	15	0.33	29.935	16	33.6	50.66	16	33.6	K2 J	13A	7655	A -21 4966
35		9.4R	19 31.131	0.0011	18	-24 59 57.53	0.009	18	0.34	31.112	16	33.6	57.67	16	33.6	K0 J	14	12728	E -2513063
36		9.4R	19 44.401	0.0000	18	-23 36 37.87	0.019	18	0.34	44.400	16	33.6	38.17	16	33.6	K0 J	14	12729	E -2314303
37		8.7A	19 44.737	0.0035	20	-21 36 34.72	-0.090	15	0.33	44.680	16	33.6	33.24	16	33.6	G0 J	13A	7658	A -21 4969
38		9.1R	19 46.578	0.0066	20	-29 5 36.13	-0.048	20	0.36	46.470	16	33.6	35.34	16	33.6	F8 J	13B	11902	J -2914865
39		9.0R	19 48.318	-0.0022	18	-25 25 51.09	0.006	18	0.34	48.353	16	33.6	51.19	16	33.6	G5 J	14	12730K	E -2513066
40		9.2R	19 51.257	0.0009	20	-29 2 9.66	-0.040	20	0.36	51.243	16	33.6	9.00	16	33.6	K5 J	13B	11904	J -2914867
41		9.0R	19 59.710	-0.0028	18	-23 36 30.97	-0.001	18	0.34	59.756	16	33.6	30.94	16	33.6	M0 J	14	12731	E -2314308
42		9.1R	20 0.827	-0.0007	15	-22 18 40.43	0.011	15	0.29	0.838	16	33.6	40.60	16	33.6	B9 J	14	12732	E -2212908
43		9.0R	20 2.655	0.0005	18	-22 38 7.48	0.029	18	0.34	2.647	16	33.6	7.96	16	33.6	B9 J	14	12734	E -2212909
44		8.5R	20 4.831	-0.0028	17	-28 26 16.34	-0.041	17	0.31	4.878	16	33.6	15.67	16	33.6	K2 J	13B	11909	J -2814520
45		9.1R	20 7.301	0.0012	12	-26 47 55.97	0.010	15	0.27	7.281	16	33.6	56.14	16	33.6	A0 J	14	12733	E -2613099
46		8.7R	20 17.247	-0.0013	18	-24 2 45.84	-0.048	18	0.34	17.269	16	33.6	45.04	16	33.6	K0 M	14	12736	E -2414268
47		8.4R	20 17.812	0.0016	18	-27 31 44.40	0.004	18	0.34	17.785	16	33.6	44.46	16	33.6	A0 J	13B	11911	J -2712782
48		8.8R	20 17.973	0.0018	18	-26 58 46.37	-0.021	18	0.34	17.944	16	33.6	46.03	16	33.6	B0 J	13B	11912	J -2712783
49		9.0R	20 18.127	0.0019	18	-26 0 9.05	-0.047	18	0.34	18.096	16	33.6	8.28	16	33.6	M0 M	14	12735	E -2613102
50		8.4A	20 21.036	-0.0008	20	-20 40 48.27	0.000	00	0.28	21.049	16	33.6	48.27	16	33.6	M0 J	13A	7666	A -20 5118
51		9.2R	18 20 25.739	-0.0062	18	-27 43 56.15	-0.046	18	0.34	25.841	16	33.6	55.39	16	33.6	G5 J	13B	11913	J -2712788
52		8.1R	20 26.788	0.0019	15	-26 11 52.25	-0.047	15	0.29	26.758	16	33.6	51.48	16	33.6	F2 J	14	12737K	E -2613106
53		9.1R	20 28.396	-0.0007	18	-24 18 51.72	-0.030	18	0.34	28.407	16	33.6	51.22	16	33.6	A3 J	14	12738	E -2414272
54		9.0R	20 30.923	0.0007	18	-23 5 15.61	0.024	18	0.34	30.911	16	33.6	16.01	16	33.6	B9 J	14	12739	E -2314318
55		8.8R	20 32.914	0.0005	17	-28 2 44.57	-0.010	17	0.31	32.906	16	33.6	44.41	16	33.6	K0 J	13B	11914	J -2814528
56		8.6R	20 33.790	-0.0010	18	-23 4 21.68	-0.014	18	0.34	33.807	16	33.6	21.46	16	33.6	M0 M	14	12740	E -2314319
57		8.2A	20 34.718	0.0006	17	-21 41 26.89	-0.008	12	0.28	34.758	16	33.6	26.75	16	33.6	K5 J	13A	7667	A -21 4974
58		9.1R	20 36.661	-0.0007	17	-28 22 15.10	-0.034	17	0.31	36.673	16	33.6	14.54	16	33.6	K2 J	13B	11916	J -2814529
59		9.2R	20 37.914	0.0022	18	-24 39 1.06	0.005	18	0.34	37.877	16	33.6	1.14	16	33.6	A0 J	14	12741	E -2414276
60		9.1R	20 38.494	0.0008	18	-23 21 40.52	-0.002	18	0.34	38.481	16	33.6	40.48	16	33.6	G5 J	14	12743	E -2314320
61		9.0R	20 42.137	-0.0015	13	-28 41 44.45	0.004	13	0.27	42.163	16	33.6	44.51	16	33.6	B9 J	13B	11918	J -2814530
62		9.0R	20 42.239	-0.0001	18	-26 23 49.99	-0.047	18	0.34	42.241	16	33.6	49.22	16	33.6	A0 J	14	12742	E -2613108
63		9.0A	20 46.673	-0.0021	20	-21 56 43.89	0.014	15	0.33	46.707	16	33.6	44.11	16	33.6	B9 J	13A	7668	A -21 4976
64		9.2R	20 52.318	0.0044	20	-29 35 35.12	0.017	20	0.36	52.246	16	33.6	35.40	16	33.6	B9 J	13B	11920	J -2914893
65		9.2R	20 55.371	0.0004	18	-24 47 51.24	0.019	18	0.34	55.364	16	33.6	51.55	16	33.6	B9 J	14	12745	E -2414281
66		9.2R	20 55.380	0.0011	18	-22 18 24.03	0.024	18	0.34	55.362	16	33.6	24.42	16	33.6	A0 J	14	12746	E -2212927
67		8.6R	20 55.789	0.0008	18	-22 4 10.84	0.030	18	0.34	55.776	16	33.6	11.33	16	33.6	G5 J	14	12747	E -2212930
68		8.5R	21 1.016	-0.0001	20	-29 6 58.62	-0.042	20	0.36	1.018	16	33.6	57.93	16	33.6	M0 M	13B	11923	J -2914894
69		9.3R	21 1.250	0.0021	18	-24 59 44.29	0.005	18	0.34	1.215	16	33.6	44.37	16	33.6	F8 J	14	12749	E -2513082
70		7.8R	21 3.175	0.0004	12	-26 28 29.27	0.007	12	0.25	3.168	16	33.6	29.39	16	33.6	K2 J	14	12748	E -2613114
71		9.0A	21 7.139	0.0009	20	-21 50 45.61	0.004	15	0.33	7.123	16	33.6	45.67	16	33.6	K5 J	13A	7670	A -21 4978
72		9.0A	21 14.488	0.0004	17	-20 21 10.19	-0.002	12	0.28	14.482	16	33.6	10.16	16	33.6	A	13A	7674	A -20 5124
73		9.2A	21 14.508	-0.0007	20	-21 9 42.88	-0.014	15	0.33	14.520	16	33.6	42.66	16	33.6	F5 J	13A	7673	A -21 4979
74		8.6R	21 14.833	0.0196	20	-29 34 14.23	-0.143	20	0.36	14.512	16	33.6	11.88	16	33.6	F8 M	13B	11926	J -2914900
75		8.5R	21 15.142	0.0002	17	-29 33 24.63	-0.183	17	0.31	15.138	16	33.6	21.63	16	33.6	G0 M	13B	11927	J -2914901
76		9.0R	21 15.898	0.0025	20	-29 11 31.55	-0.013	20	0.36	15.857	16	33.6	31.33	16	33.6	G0 J	13B	11928	J -2914902
77		8.3R	21 17.950	0.0001	20	-29 48 28.13	-0.048	20	0.36	17.948	16	33.6	27.34	16	33.6	A2 J	13B	11929	J -2914904
78		8.7R	21 21.358	0.0005	18	-26 50 49.45	-0.036	18	0.34	21.349	16	33.6	48.87	16	33.6	K0 M	14	12750	E -2613117
79		8.6R	21 26.807	0.0015	18	-24 24 46.44	-0.028	18	0.34	26.783	16	33.6	45.97	16	33.6	G0 J	14	12751	E -2414288
80		8.5R	21 32.922	0.0021	18	-26 31 15.04	-0.009	18	0.34	32.888	16	33.6	14.89	16	33.6	A0 J	14	12752	E -2613121
81		9.0A	21 34.387	-0.0002	17	-21 52 22.86	-0.010	12	0.28	34.391	16	33.6	22.69	16	33.6	A0 J	13A	7677	A -21 4981
82		9.2R	21 36.177	-0.0021	18	-22 20 38.42	0.012	18	0.34	36.212	16	33.6	38.61	16	33.6	A0 M	14	12753	E -2212938
83		9.1R	21 39.072	-0.0018	18	-23 8 12.88	0.019	18	0.34	39.102	16	33.6	13.19	16	33.6	A0 J	14	12754	E -2314334
84		9.2R	21 51.715	-0.0011	20	-28 30 31.54	0.017	20	0.36	51.733	16	33.6	31.82	16	33.6	K2 M	13B	11932	J -2814555
85		9.0R	21 55.573	0.0030	18	-25 58 5.63	-0.005	18	0.34	55.523	16	33.6	5.55	16	33.6	M0 M	14	12755	E -2613128
86		8.7A	21 58.909	0.0006	20	-20 48 40.99	-0.017	15	0.33	58.899	16	33.6	40.72	16	33.6	K2 J	13A	7682	A -20 5129
87		8.6R	22 0.879	0.0015	15	-24 26 34.50	0.007	15	0.29	0.853	16	33.6	34.60	16	33.6	B9 J	14	12756	E -2414296
88		9.2R	22 1.443	0.0031	18	-27 31 42.15	0.007	18	0.34	1.393	16	33.6	42.26	16	33.6	G0 M	13B	11935	J -2712810
89		9.2R	22 2.910	-0.0006	20	-22 59 25.70	-0.018	20	0.36	2.921	16	33.6	25.41	16	33.6	G0 J	14	12757	E -2314343
90		8.6R	22 6.437	0.0002	15	-23 0 35.30	-0.011	15	0.29	6.434	16	33.6	35.13	16	33.6	K0 J	14	12758	E -2314344
91		9.5R	22 12.023	0.0009	18	-24 35 50.38	-0.008	18	0.34	12.009	16	33.6	50.25	16	33.6	F8 J	14	12759	E -2414301
92		9.0R	22 12.266	0.0014	20	-29 3 24.34	-0.009	20	0.36	12.243	16	33.6	24.19	16	33.6	K0 J	13B	11938	J -2914917
93		8.9A	22 20.113	0.0000	15	-21 46 0.39	0.003	11	0.26	20.112	16	33.6	0.43	16	33.6	A0 J	13A	7685	A -21 4989
94		5.0T	22 22.292	0.0004	03	-20 34 12.90	-0.026	03	0.15	22.269	06	99.4	11.59	06	98.7	+++	GC	25132	B+-20 5134
95		9.5R	22 27.356	0.0008	21	-26 45 28.00	0.022	21	0.38	27.342	16	33.6	28.36	16	33.6	A2 M	14	12760	E -2613137
96		9.6R	22 29.895	-0.0004	18	-22 43 6.66	-0.011	18	0.34	29.902	16	33.6	6.49	16	33.6	B8 M	14	12761	E -2212952
97		9.6R	22 34.499	-0.0025	22	-24 26 38.92	-0.100	22	0.40	34.541	16	33.6	37.27	16	33.6	A0 J	14	12762	E -2414307
98		8.5R	22 36.717	0.0020	12	-27 28 12.99	-0.021	12	0.25	36.684	16	33.6	12.64	16	33.6	K0 J	13B	11945	J -2712824
99		9.4R	22 38.779	0.0007	18	-22 2 15.09	0.024	18	0.34	38.767	16	33.6	15.48	16	33.6	A2 J	14	12763	E -2212954
00		8.0R	22 41.808	-0.0003	18	-23 6 37.29	-0.021	18	0.34	41.813	16	33.6	36.95	16	33.6	K0 J	14	12764	E -2314351

186800

EPOCH 1950 — ORIGINAL EPOCH — SOURCE — -20° 18H

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	σ'_μ ″.001	σ_{1950} ″	α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	CAT.	STAR NUMBER	DM NUMBER
1		9.1A	18 22 45.046	-0.0019	20	-21 54 30.84	-0.001	15	0.33	45.077	16	33.6	30.82	16	33.6	K5 J	13A	7689	A -21 4993
2		9.4R	22 45.418	0.0006	18	-23 15 35.30	-0.013	18	0.34	45.408	16	33.6	35.08	16	33.6	B9 J	14	12765	E -2314353
3		8.5R	22 51.283	0.0008	18	-27 21 43.90	-0.074	18	0.34	51.270	16	33.6	42.69	16	33.6	B9 J	13B	11947	J -2712837
4		9.0R	22 52.358	0.0037	12	-25 50 24.31	0.013	12	0.25	52.298	16	33.6	24.53	16	33.6	K5 J	14	12766	E -2513108
5		8.8R	23 2.153	0.0022	17	-28 21 59.60	0.017	17	0.31	2.117	16	33.6	59.88	16	33.6	K2 M	13B	11949	J -2814575
6		9.0R	23 2.841	-0.0028	18	-23 30 45.56	-0.040	18	0.34	2.887	16	33.6	44.89	16	33.6	A0 J	14	12768	E -2314360
7		9.6R	23 7.356	-0.0010	20	-23 59 45.14	-0.065	20	0.36	7.372	16	33.6	44.07	16	33.6	F8 J	14	12770	E -2414318
8		9.1R	23 7.599	0.0010	18	-26 26 24.94	0.016	18	0.34	7.583	16	33.6	25.20	16	33.6	K2 J	14	12769	E -2613149
9		9.4R	23 9.966	0.0032	20	-29 11 13.32	-0.002	20	0.36	9.914	16	33.6	13.28	16	33.6	A0 J	13B	11952	J -2914938
10		9.2R	23 12.862	0.0006	18	-22 41 5.62	0.028	18	0.34	12.853	16	33.6	6.09	16	33.6	A0 J	14	12771	E -2212964
11		9.4R	23 13.984	0.0046	18	-27 50 45.31	-0.040	18	0.34	13.909	16	33.6	44.65	16	33.6	B8 J	13B	11955	J -2712844
12		9.0R	23 17.368	0.0039	20	-28 58 34.60	0.005	20	0.36	17.305	16	33.6	34.68	16	33.6	K0 M	13B	11956	J -2914940
13		9.3R	23 19.281	-0.0006	12	-23 42 40.12	-0.009	12	0.25	19.291	16	33.6	39.97	16	33.6	F2 J	14	12772	E -2314361
14		9.0R	23 24.765	0.0016	20	-28 36 55.34	0.001	20	0.36	24.739	16	33.6	55.35	16	33.6	K0 J	13B	11960	J -2814585
15		9.1R	23 29.571	0.0005	18	-23 22 34.59	-0.025	18	0.34	29.563	16	33.6	34.18	16	33.6	B8 J	14	12773	E -2314362
16		9.4R	23 30.090	-0.0057	20	-23 42 53.69	0.028	20	0.36	30.183	16	33.6	54.14	16	33.6	A3 M	14	12775	E -2314364
17		9.0R	23 32.343	0.0002	18	-22 13 15.59	-0.011	18	0.34	32.340	16	33.6	15.40	16	33.6	K2 J	14	12777	E -2212969
18		9.0R	23 33.535	0.0018	12	-25 56 47.48	-0.026	12	0.25	33.505	16	33.6	47.06	16	33.6	G5 J	14	12774	E -2513121
19		9.2R	23 34.537	0.0044	18	-24 52 15.18	-0.047	18	0.34	34.465	16	33.6	14.40	16	33.6	G5 J	14	12776	E -2414324
20		9.0A	23 35.973	-0.0023	20	-20 53 4.26	-0.005	15	0.33	36.010	16	33.6	4.19	16	33.6	K0 J	13A	7693	A -20 5141
21		9.0A	23 37.421	-0.0006	17	-21 49 8.49	0.008	12	0.28	37.431	16	33.6	8.61	16	33.6	K0 J	13A	7694	A -21 5002
22		8.4R	23 39.081	-0.0017	18	-23 27 58.21	-0.008	18	0.34	39.109	16	33.6	58.07	16	33.6	B9 J	14	12778	E -2314366
23		9.2R	23 43.552	0.0010	18	-22 56 20.75	0.025	18	0.34	43.535	16	33.6	21.17	16	33.6	G5 J	14	12779	E -2212973
24		9.2A	23 50.536	0.0014	17	-21 33 5.74	-0.015	12	0.28	50.512	16	33.6	5.49	16	33.6	B5 J	13A	7695	A -21 5004
25		8.5R	23 53.930	0.0032	17	-29 32 21.15	-0.004	17	0.31	53.877	16	33.6	21.08	16	33.6	A0 J	13B	11964	J -2914952
26		9.2R	23 54.374	0.0030	18	-26 37 14.06	-0.032	18	0.34	54.325	16	33.6	13.54	16	33.6	A2 J	14	12781	E -2613170
27		9.4R	24 6.548	-0.0050	22	-24 2 51.98	0.024	22	0.40	6.631	16	33.6	52.36	16	33.6	A5 M	14	12782	E -2414337
28		9.2R	24 9.667	-0.0005	15	-24 51 15.08	-0.002	15	0.29	9.676	16	33.6	15.05	16	33.6	B8 J	14	12783	E -2414339
29		9.1R	24 14.819	-0.0002	18	-26 3 22.81	-0.007	18	0.34	14.822	16	33.6	22.70	16	33.6	M2 J	14	12784	E -2613175
30		9.4R	24 17.301	0.0017	18	-23 48 33.05	0.017	18	0.34	17.274	16	33.6	33.32	16	33.6	F0 J	14	12785	E -2314372
31		9.2R	24 17.483	0.0025	20	-28 47 12.00	-0.043	20	0.36	17.443	16	33.6	11.29	16	33.6	F8 J	13B	11969	J -2814598
32		9.4R	24 18.700	0.0057	17	-29 7 49.89	0.023	17	0.31	18.607	16	33.6	50.27	16	33.6		13B	11970	J -2914957
33		8.9R	24 26.958	-0.0008	15	-23 45 26.01	0.021	15	0.29	26.970	16	33.6	26.35	16	33.6	K0 J	14	12787	E -2314375
34		9.3R	24 29.050	-0.0013	15	-26 20 40.85	0.044	15	0.29	29.072	16	33.6	41.57	16	33.6	A0 J	14	12786	E -2613181
35		9.4A	24 34.922	0.0006	20	-22 24 49.47	-0.008	15	0.33	34.912	16	33.6	49.34	16	33.6	K J	13A	7703	A -22 4730
36		9.2R	24 35.848	-0.0063	21	-29 49 43.73	-0.108	21	0.38	35.951	16	33.6	41.96	16	33.6	G M	13B	11974	J -2914963
37		6.2T	24 36.685	0.0003	09	-26 39 57.53	-0.025	07	0.45	36.670	14	98.7	56.20	14	96.4	A5	GC	25174K	C*-2613184
38		5.9T	24 37.617	-0.0001	12	-29 50 55.30	0.032	09	0.54	37.623	12	00.8	56.91	12	99.2	G0	GC	25175	C -2914965
39		8.8R	24 51.485	-0.0013	18	-26 52 28.65	-0.049	18	0.34	51.507	16	33.6	27.85	16	33.6	F5 J	14	12789K	E -2613188
40		9.4R	24 52.203	0.0008	12	-25 28 38.22	-0.019	12	0.25	52.190	16	33.6	37.91	16	33.6		14	12790	E -2513148
41		2.9H	24 53.059	-0.0032	01	-25 27 4.18	-0.185	01	0.05	53.176	02	13.4	-57.28	03	12.6	K0	F4	692	C -2513149
42		8.3R	24 55.048	-0.0030	17	-28 25 0.83	-0.078	17	0.31	55.097	16	33.6	-59.55	16	33.6	F5 J	13B	11977	J -2814612
43		6.3T	24 58.933	0.0001	08	-26 47 20.23	-0.036	06	0.30	58.928	07	07.3	18.73	07	08.1	A3	GC	25184	C -2613192
44		8.5R	25 0.523	0.0011	18	-24 35 40.06	0.013	18	0.34	0.504	16	33.6	40.27	16	33.6	A0 J	14	12796	E -2414361
45		9.0R	25 1.732	0.0008	20	-26 48 1.60	-0.049	20	0.36	1.719	16	33.6	0.81	16	33.6	A0 J	14	12793	E -2613195
46		8.7R	25 1.818	0.0010	18	-26 12 48.30	-0.006	18	0.34	1.802	16	33.6	48.20	16	33.6	A0 J	14	12794	E -2613194
47		9.0R	25 4.823	-0.0016	17	-28 47 3.37	-0.008	17	0.31	4.850	16	33.6	3.23	16	33.6	K5 J	13B	11978	J -2814615
48		7.1T	25 5.110	0.0010	09	-23 1 54.85	0.035	07	0.43	5.060	10	01.0	56.64	10	98.8	G5	GC	25187	C -2314382
49		9.3R	25 6.916	0.0002	18	-23 21 33.65	-0.014	18	0.34	6.913	16	33.6	33.42	16	33.6	A0 J	14	12798	E -2314381
50		8.9A	25 7.172	-0.0011	18	-20 50 35.97	0.002	13	0.30	7.189	16	33.6	36.01	16	33.6	A J	13A	7709	A -20 5146
51		9.1A	18 25 7.830	0.0001	18	-21 22 55.06	-0.054	12	0.30	7.828	16	33.6	54.18	16	33.6	F J	13A	7708	A -21 5012
52		8.8A	25 10.505	-0.0004	00	-21 16 16.19	-0.026	15	0.23	10.511	16	33.6	15.77	16	33.6	M2 J	13A	7712	A -21 5013
53		9.0R	25 10.697	-0.0017	18	-22 26 46.02	0.025	18	0.34	10.724	16	33.6	46.42	16	33.6	A0 J	14	12799	E -2212995
54		8.6R	25 14.447	-0.0016	18	-23 36 1.66	-0.067	18	0.34	14.473	16	33.6	0.55	16	33.6	G5 J	14	12800	E -2314383
55		8.2R	25 18.023	0.0024	17	-28 48 45.60	-0.028	17	0.31	17.984	16	33.6	45.14	16	33.6	K5 J	13B	11980	J -2814617
56		9.1R	25 25.167	-0.0002	18	-22 51 8.52	-0.002	18	0.34	25.170	16	33.6	8.49	16	33.6	B8 J	14	12801	E -2212999
57		9.3T	25 27.997	-0.0003	20	-29 54 40.51	-0.015	26	1.09	28.012	18	00.9	39.81	21	03.8	G5	GC	25196	C*-2914982
58		8.9T	25 40.634	0.0014	20	-25 18 27.50	0.018	17	0.88	40.572	22	04.4	28.36	22	02.3	K2	GC	25203	C -2513160
59		9.4R	25 40.697	0.0049	21	-29 43 25.36	-0.011	21	0.38	40.616	16	33.6	25.18	16	33.6	K5 M	13B	11983	J -2914987
60		9.3R	25 45.493	0.0068	18	-23 16 37.33	-0.028	18	0.34	45.382	16	33.6	36.88	16	33.6	G0 M	14	12803	E -2314393
61		8.5R	25 46.413	0.0026	18	-27 17 40.23	0.011	18	0.34	46.370	16	33.6	40.41	16	33.6	B8 J	13B	11985	J -2712876
62		8.2T	25 50.175	-0.0006	13	-26 37 36.51	0.005	10	0.65	50.206	18	98.4	36.80	18	94.3		GC	25210	C -2613205
63		6.5T	25 50.375	0.0003	09	-26 36 53.60	0.009	07	0.42	50.360	12	99.4	54.08	12	97.7	A0	GC	25211	C -2613206
64		7.4T	25 51.803	0.0005	13	-25 4 33.29	-0.032	09	0.61	51.781	19	01.3	31.64	18	98.7	G0	GC	25213K	C*-2513163
65		8.5R	25 53.147	-0.0006	17	-29 56 51.30	-0.037	17	0.31	53.157	16	33.6	50.69	16	33.6	G5 J	13B	11986	J -2914992
66		8.4R	26 0.793	0.0042	20	-29 22 54.59	0.002	20	0.36	0.725	16	33.6	54.62	16	33.6	K0 J	13B	11987	J -2914994
67		6.8T	26 0.994	0.0008	13	-29 17 32.62	-0.043	09	0.62	0.952	19	00.4	30.18	17	93.3	F5	GC	25215	C*-2914995
68		9.4R	26 4.873	0.0020	18	-26 42 10.50	-0.085	18	0.34	4.841	16	33.6	9.10	16	33.6	G0 J	14	12807K	E -2613207
69		8.7R	26 12.251	0.0004	15	-23 53 23.42	-0.007	15	0.29	12.244	16	33.6	23.30	16	33.6	K5 J	14	12809	E -2314403
70		8.5R	26 12.332	-0.0007	18	-24 29 13.84	0.026	18	0.34	12.343	16	33.6	14.25	16	33.6	K2 J	14	12808	E -2414382
71		9.0R	26 13.527	-0.0055	12	-27 59 58.97	-0.485	12	0.25	13.617	16	33.6	51.01	16	33.6	K2 J	13B	11990	J -2814630
72		8.9R	26 15.958	-0.0015	12	-28 11 22.40	0.003	12	0.25	15.984	16	33.6	22.45	16	33.6	K0 J	13B	11991	J -2814631
73		6.2T	26 16.899	0.0004	09	-25 17 24.59	-0.001	07	0.48	16.879	17	95.6	24.53	15	93.0	B2P	GC	25218	C*-2513170
74		8.2R	26 19.900	0.0058	20	-29 20 48.15	-0.014	20	0.36	19.805	16	33.6	47.92	16	33.6	A5 J	13B	11992	J -2914999
75		9.0R	26 21.066	0.0043	20	-29 22 57.00	-0.018	20	0.36	20.997	16	33.6	56.70	16	33.6	K M	13B	11993	J -2915000
76		8.9A	26 27.516	-0.0016	20	-21 40 12.21	0.012	15	0.33	27.543	16	33.6	12.40	16	33.6	A0 J	13A	7723	A -21 5022
77		8.9R	26 28.851	0.0002	18	-23 52 11.31	-0.003	18	0.34	28.848	16	33.6	11.25	16	33.6	G5 J	14	12812	E -2314409
78		9.3R	26 29.846	-0.0012	15	-26 42 16.91	-0.045	15	0.29	29.867	16	33.6	16.18	16	33.6	B9 J	14	12811	E -2613213
79		8.8R	26 33.221	0.0018	12	-29 51 41.29	-0.013	12	0.25	33.192	16	33.6	41.07	16	33.6	G5 J	13B	11995	J -2915006
80		9.4R	26 33.378	0.0007	18	-22 12 39.40	0.013	18	0.34	33.366	16	33.6	39.61	16	33.6	G5 J	14	12814	E -2213014
81		9.3R	26 34.659	-0.0004	18	-22 58 42.64	0.002	18	0.34	34.665	16	33.6	42.68	16	33.6	A3 J	14	12815	E -2314411
82		8.9R	26 38.060	0.0027	12	-25 34 45.23	-0.007	12	0.25	38.015	16	33.6	45.12	16	33.6	B9 J	14	12813	E -2513172
83		8.7R	26 40.587	0.0009	18	-22 43 3.58	0.008	18	0.34	40.572	16	33.6	3.71	16	33.6	F5 J	14	12817	E -2213015
84		9.1R	26 45.494	0.0069	18	-26 3 29.99	-0.098	18	0.34	45.381	16	33.6	28.38	16	33.6	G0 J	14	12816	E -2613218
85		8.2A	26 52.048	-0.0003	20	-20 59 11.29	-0.041	15	0.33	52.053	16	33.6	10.62	16	33.6	A0 J	13A	7726	A -21 5025
86		9.1R	26 56.909	0.0007	18	-23 21 23.49	0.018	18	0.34	56.898	16	33.6	23.79	16	33.6	K0 M	14	12818	E -2314421
87		9.7R	26 57.299	0.0006	17	-29 41 58.65	-0.022	17	0.31	57.290	16	33.6	58.29	16	33.6	A5 M	13B	11997	J -2915012
88		8.5R	27 14.309	0.0022	12	-25 35 4.71	0.009	12	0.25	14.273	16	33.6	4.87	16	33.6	A0 J	14	12819K	E -2513182
89		9.6R	27 16.193	0.0023	17	-26 45 53.00	0.019	17	0.31	16.155	16	33.6	53.32	16	33.6	A2 M	14	12820	E -2613223
90		8.8R	27 20.270	-0.0001	18	-26 57 40.08	-0.006	18	0.34	20.273	16	33.6	39.99	16	33.6	A0 J	14	12821	E -2712902
91		8.4T	27 20.733	0.0015	13	-24 5 53.10	-0.009	09	0.59	20.660	18	01.6	52.61	18	98.4	A0	GC	25242	C -2414402
92		7.5T	27 20.820	0.0004	11	-28 49 48.53	-0.017	10	0.53	20.798	12	01.6	47.69	12	00.5	A2	GC	25243	C -2814648
93		9.2R	27 23.744	0.0003	18	-24 31 22.76	-0.008	18	0.34	23.740	16	33.6	22.63	16	33.6	G5 J	14	12823	E -2414403
94		7.0T	27 26.753	-0.0024	10	-23 17 8.77	-0.007	08	0.50	26.876	17	98.0	8.38	15	93.8	K0	GC	25247	C -2314431
95		8.9R	27 27.649	-0.0003	18	-23 47 54.66	-0.011	18	0.34	27.653	16	33.6	54.47	16	33.6	G5 J	14	12825	E -2314432
96		9.2R	27 28.267	-0.0024	18	-27 40 52.24	-0.004	18	0.34	28.306	16	33.6	52.17	16	33.6	F0 J	13B	12004	J -2712905
97		9.0R	27 31.014	0.0038	17	-29 38 31.05	-0.010	17	0.31	30.951	16	33.6	30.89	16	33.6	K7 M	13B	12003	J -2915027
98		8.8A	27 34.706	0.0002	17	-21 47 16.37	-0.006	12	0.28	34.702	16	33.6	16.27	16	33.6	B9 J	13A	7730	A -21 5027
99		9.0R	27 34.884	-0.0004	18	-23 55 21.80	-0.003	18	0.34	34.891	16	33.6	21.74	16	33.6	K0 J	14	12826	E -2314434
00		8.6A	27 34.977	-0.0031	20	-20 19 21.28	-0.046	15	0.33	35.028	16	33.6	20.52	16	33.6	K0 J	13A	7731	A -20 5160

186900

EPOCH 1950 — ORIGINAL EPOCH — SOURCE — −20° 18H

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	CAT.	STAR NUMBER	DM NUMBER
1		9.2R	18 27 41.777	0.0019	20	-29 38 44.38	-0.020	20	0.36	41.747	16	33.6	44.05	16	33.6	F8 J	13B	12008	J -2915031
2		9.5R	27 43.990	0.0010	18	-27 2 16.78	-0.044	18	0.34	43.974	16	33.6	16.06	16	33.6	A2 M	13B	12010	J -2712913
3		7.8R	27 44.649	0.0005	12	-27 59 14.28	0.014	12	0.25	44.641	16	33.6	14.51	16	33.6	K5 J	13B	12009	J -2814656
4		9.4R	27 46.235	0.0004	18	-25 35 20.70	0.002	18	0.34	46.228	16	33.6	20.73	16	33.6	A5 M	14	12827	E -2513196
5		8.7R	27 53.387	0.0057	18	-27 0 26.23	-0.023	18	0.34	53.294	16	33.6	25.85	16	33.6	F0 J	13B	12011	J -2712915
6		8.1R	27 57.684	0.0034	18	-24 55 39.23	0.013	18	0.34	57.628	16	33.6	39.44	16	33.6	B9 J	14	12828	E -2414415
7		8.8A	28 0.538	0.0015	20	-21 33 42.14	-0.021	15	0.33	0.513	16	33.6	41.79	16	33.6	K5 J	13A	7732	A -21 5029
8		9.2R	28 4.769	0.0026	21	-29 57 16.85	0.015	21	0.38	4.723	16	33.6	17.10	16	33.6	K5 M	13B	12013	J -2915039
9		8.6R	28 11.636	-0.0003	18	-24 42 19.55	0.014	18	0.34	11.641	16	33.6	19.78	16	33.6	K0 M	14	12831	E -2414418
10		9.4R	28 16.094	0.0005	18	-23 9 1.87	0.009	18	0.34	16.086	16	33.6	2.02	16	33.6	G0 M	14	12832	E -2314444
11		9.4R	28 17.983	-0.0030	18	-22 55 0.21	0.029	18	0.34	18.033	16	33.6	0.69	16	33.6	A0 M	14	12834	E -2213040
12		7.6R	28 18.051	-0.0001	18	-23 21 6.31	0.000	18	0.34	18.052	16	33.6	6.31	16	33.6	K0 J	14	12833	E -2314447
13		9.4R	28 20.324	-0.0018	18	-23 0 55.12	-0.017	18	0.34	20.354	16	33.6	54.85	16	33.6	A2 J	14	12835	E -2314450
14		8.5A	28 29.389	-0.0004	17	-21 17 9.14	-0.014	12	0.28	29.397	16	33.6	8.92	16	33.6	K5 J	13A	7736	A -21 5032
15		9.4R	28 29.716	0.0002	18	-24 11 58.83	0.009	18	0.34	29.713	16	33.6	58.98	16	33.6	G5 M	14	12836	E -2414425
16		9.4R	28 30.742	-0.0003	18	-22 55 40.54	-0.044	18	0.34	30.747	16	33.6	39.83	16	33.6	G0 J	14	12838	E -2213041
17		8.6R	28 34.557	-0.0018	12	-25 43 36.05	0.024	12	0.25	34.586	16	33.6	36.45	16	33.6	F8 J	14	12837	E -2513207
18		9.1R	28 37.683	0.0001	18	-22 44 46.09	-0.006	18	0.34	37.682	16	33.6	45.99	16	33.6	A0 J	14	12839	E -2213042
19		9.2R	28 38.202	-0.0018	15	-22 10 21.68	0.002	15	0.29	38.231	16	33.6	21.71	16	33.6	A0 M	14	12841	E -2213043
20		9.2R	28 40.219	0.0016	18	-22 51 7.63	-0.006	18	0.34	40.193	16	33.6	7.54	16	33.6	F5 M	14	12842	E -2213044
21		9.5R	28 40.483	-0.0051	18	-24 2 36.60	-0.007	18	0.34	40.566	16	33.6	36.48	16	33.6	G5 M	14	12840	E -2414432
22		8.1R	28 43.299	0.0048	17	-28 32 50.19	-0.022	17	0.31	43.221	16	33.6	49.83	16	33.6	G0 J	13B	12019	J -2814673
23		9.2A	28 52.421	0.0003	20	-21 47 36.14	-0.029	15	0.33	52.416	16	33.6	35.66	16	33.6	K7 J	13A	7743	A -21 5036
24		9.0R	28 54.069	0.0023	20	-29 8 56.07	0.030	20	0.36	54.050	16	33.6	56.56	16	33.6	B8 J	13B	12021	J -2915052
25		9.2R	28 57.881	0.0002	17	-29 53 38.25	-0.038	17	0.31	57.878	16	33.6	37.62	16	33.6	A0 M	13B	12022	J -2915054
26		9.2R	28 58.351	0.0009	21	-29 54 24.03	-0.015	21	0.38	58.336	16	33.6	23.78	16	33.6	A3 M	13B	12023	J -2915055
27		9.4R	29 0.517	0.0023	18	-24 12 43.20	0.028	18	0.34	0.480	16	33.6	43.65	16	33.6	K0 M	14	12844	E -2414440
28		9.4R	29 1.812	0.0016	18	-25 45 31.15	-0.079	18	0.34	1.785	16	33.6	29.85	16	33.6	F8 J	14	12843	E -2513216
29		9.2R	29 1.872	0.0015	20	-28 27 33.01	-0.033	20	0.36	1.848	16	33.6	32.47	16	33.6	F8 J	13B	12025	J -2814675
30		9.2R	29 2.409	0.0040	18	-22 39 47.24	-0.044	18	0.34	2.344	16	33.6	46.52	16	33.6	F8 M	14	12849	E -2213050
31		9.1R	29 2.556	0.0020	18	-24 56 13.71	0.015	18	0.34	2.526	16	33.6	13.95	16	33.6	F5 J	14	12845	E -2414441
32		6.9T	29 3.200	0.0012	10	-29 13 39.05	0.002	09	0.52	3.135	17	98.1	39.16	17	95.7	G0	GC	25291	C -2915058
33		8.4R	29 3.502	0.0011	15	-24 46 7.41	-0.092	15	0.29	3.483	16	33.6	5.90	16	33.6	F5 J	14	12847	E -2414443
34		8.0T	29 6.301	-0.0074	26	-26 31 54.75	-0.107	26	1.17	6.641	18	04.0	49.99	19	05.4	G0	GC	25293	C -2613247
35		9.0R	29 7.098	0.0005	12	-29 47 1.27	-0.100	12	0.25	7.090	16	33.6	-59.63	16	33.6	G0 J	13B	12027	J -2915060
36		9.4R	29 7.504	0.0011	18	-22 45 5.80	-0.038	18	0.34	7.486	16	33.6	6.42	16	33.6	A2 J	14	12851	E -2213051
37		7.8R	29 7.820	-0.0010	18	-27 15 30.16	-0.034	18	0.34	7.837	16	33.6	29.61	16	33.6	B8 J	13B	12028	J -2712936
38		9.0R	29 12.768	-0.0003	18	-22 5 34.33	-0.053	18	0.34	12.773	16	33.6	35.19	16	33.6	A2 J	14	12852	E -2213054
39		9.3A	29 17.466	0.0002	20	-21 45 12.93	-0.008	15	0.33	17.462	16	33.6	12.79	16	33.6	G5 J	13A	7748	A -21 5037
40		9.3A	29 20.860	0.0009	18	-20 46 17.48	-0.006	13	0.30	20.845	16	33.6	17.38	16	33.6	A0 J	13A	7750	A -20 5172
41		9.1R	29 26.578	-0.0012	18	-22 25 36.22	0.019	18	0.34	26.598	16	33.6	36.53	16	33.6	A0 M	14	12853	E -2213057
42		8.6R	29 30.065	0.0019	18	-22 19 49.54	0.006	18	0.34	30.033	16	33.6	49.63	16	33.6	B8 J	14	12854	E -2213058
43		8.6R	29 30.526	0.0013	15	-27 13 36.91	-0.021	15	0.29	30.505	16	33.6	36.57	16	33.6	A3 J	13B	12030	J -2712943
44		9.0R	29 30.591	-0.0005	18	-21 57 30.83	0.036	18	0.34	30.600	16	33.6	31.42	16	33.6	K2 M	14	12855	E -2213059
45		9.0R	29 34.516	0.0005	20	-28 9 4.70	0.018	20	0.36	34.508	16	33.6	5.00	16	33.6	A2 J	13B	12031	J -2814682
46		9.0A	29 37.857	0.0000	20	-21 16 50.01	-0.026	15	0.33	37.856	16	33.6	49.59	16	33.6	K5 J	13A	7756	A -21 5041
47		9.4R	29 38.182	0.0020	21	-29 20 1.07	0.022	21	0.38	38.149	16	33.6	1.43	16	33.6	G0 M	13B	12032	J -2915066
48		8.6R	29 39.306	-0.0021	12	-28 43 24.11	-0.006	12	0.25	39.342	16	33.6	24.01	16	33.6	K0 M	13B	12035	J -2814685
49		8.0T	29 44.495	0.0045	15	-22 10 27.43	-0.033	16	0.75	44.286	21	03.4	25.88	21	03.6	G5	GC	25309	-22 4767
50		9.3R	29 47.992	-0.0017	18	-23 55 1.48	0.004	18	0.34	48.021	16	33.6	1.54	16	33.6	B9 J	14	12859	E -2314473
51		8.8R	16 29 48.183	0.0004	12	-25 7 34.80	0.017	12	0.25	48.176	16	33.6	35.08	16	33.6	B9 J	14	12856	E -2513227
52		9.0R	29 49.035	0.0016	18	-24 50 1.44	0.003	18	0.34	49.009	16	33.6	1.48	16	33.6	K0 M	14	12858	E -2414458
53		8.6R	29 58.520	-0.0028	15	-26 13 34.56	-0.073	15	0.29	58.565	16	33.6	33.36	16	33.6	F5 J	14	12860	E -2613262
54		9.5R	29 59.242	0.0018	21	-29 21 53.09	0.000	21	0.38	59.213	16	33.6	53.09	16	33.6	F8 M	13B	12036	J -2915072
55		6.9R	29 59.580	0.0008	15	-25 13 8.86	0.023	15	0.29	59.567	16	33.6	9.24	16	33.6	K0 J	14	12861	E -2513232
56		9.1R	30 4.967	0.0023	18	-22 15 45.33	-0.008	18	0.34	4.929	16	33.6	45.21	16	33.6	K2 J	14	12862	E -2213068
57		9.3R	30 7.113	0.0002	17	-28 29 32.40	-0.025	17	0.31	7.110	16	33.6	31.99	16	33.6	F8 M	13B	12039	J -2814698
58		8.8R	30 10.297	0.0004	18	-22 50 51.27	0.024	18	0.34	10.290	16	33.6	51.66	16	33.6	K0 J	14	12864	E -2213070
59		6.7T	30 10.925	0.0001	04	-24 8 51.91	-0.004	05	0.23	10.918	09	02.4	51.74	09	02.7	B3	GC	25319	C -2414462
60		9.2R	30 12.663	0.0025	17	-29 39 13.81	-0.039	17	0.31	12.623	16	33.6	13.18	16	33.6	F2 J	13B	12041	J -2915076
61		9.0R	30 12.930	0.0045	20	-29 54 16.25	-0.015	20	0.36	12.857	16	33.6	16.50	16	33.6	G5 J	13B	12040	J -2915075
62		8.7R	30 16.714	-0.0005	18	-23 33 39.92	-0.007	18	0.34	16.723	16	33.6	39.80	16	33.6	B8 J	14	12865	E -2314487
63		8.4R	30 20.534	-0.0002	18	-22 39 31.21	-0.017	18	0.34	20.537	16	33.6	30.93	16	33.6	F0 J	14	12867	E -2213071
64		8.4R	30 20.536	0.0009	20	-28 8 31.49	0.061	20	0.36	20.522	16	33.6	32.49	16	33.6	M2 M	13B	12043	J -2814700
65		8.4R	30 24.617	-0.0003	15	-26 54 30.60	-0.046	15	0.29	24.622	16	33.6	29.84	16	33.6	G5 J	14	12866	E -2613273
66		9.4R	30 26.616	-0.0017	18	-22 23 45.44	-0.035	18	0.34	26.644	16	33.6	44.87	16	33.6	F5 M	14	12869	E -2213074
67		8.6R	30 26.975	0.0043	20	-29 12 52.83	-0.059	20	0.36	26.904	16	33.6	51.86	16	33.6	K2 J	13B	12044	J -2915083
68		8.5R	30 28.857	0.0005	18	-27 31 35.31	-0.030	18	0.34	28.849	16	33.6	34.82	16	33.6	B8 J	13B	12046	J -2712960
69		8.8A	30 30.556	0.0005	20	-20 24 24.58	-0.009	15	0.33	30.548	16	33.6	24.43	16	33.6	B9 J	13A	7761	A -20 5179
70		9.3R	30 31.205	0.0038	12	-25 44 36.68	-0.050	12	0.25	31.143	16	33.6	35.86	16	33.6	G5 M	14	12868	E -2513242
71		9.4R	30 31.749	-0.0010	20	-24 5 5.56	0.006	20	0.36	31.765	16	33.6	5.66	16	33.6		14	12870	E -2414465
72		8.6R	30 31.998	-0.0004	18	-24 6 46.51	-0.021	18	0.34	32.006	16	33.6	46.16	16	33.6	K2 J	14	12871	E -2414466
73		9.1A	30 33.874	0.0006	17	-20 39 44.15	-0.001	12	0.28	33.863	16	33.6	44.13	16	33.6	K5 J	13A	7762	A -20 5180
74		9.2A	30 36.709	0.0005	20	-21 16 21.59	0.000	15	0.33	36.701	16	33.6	21.59	16	33.6	B9 J	13A	7765	A -21 5048
75		8.3R	30 39.872	0.0022	12	-25 29 15.11	-0.035	12	0.25	39.836	16	33.6	14.53	16	33.6	B9 J	14	12872	E -2513246
76		9.4R	30 42.655	-0.0003	15	-22 40 38.32	-0.002	15	0.29	42.660	16	33.6	38.29	16	33.6	B8 J	14	12874	E -2213077
77		7.8T	30 44.126	-0.0002	11	-24 9 44.35	-0.003	09	0.55	44.139	15	97.9	44.20	17	94.9	B9	GC	25331	C -2414470
78		9.2R	30 46.330	-0.0020	18	-22 18 26.11	0.022	18	0.34	46.363	16	33.6	26.48	16	33.6	B9 J	14	12876	E -2213080
79		9.3A	30 47.797	-0.0021	20	-20 19 8.97	-0.024	15	0.33	47.832	16	33.6	8.57	16	33.6	A0 J	13A	7767	A -20 5184
80		8.7R	30 48.409	0.0007	18	-22 28 19.80	-0.023	18	0.34	48.397	16	33.6	19.43	16	33.6	K0 J	14	12878	E -2213081
81		5.7T	30 50.200	0.0002	04	-24 4 17.25	-0.010	03	0.18	50.188	06	02.1	16.77	07	01.0	K2	GC	25336	C*-2414472
82		9.0R	30 51.111	-0.0012	17	-28 7 15.35	0.020	17	0.31	51.130	16	33.6	15.68	16	33.6	A0 J	13B	12048	J -2814706
83		8.3R	30 52.097	0.0020	18	-26 50 4.66	-0.017	18	0.34	52.064	16	33.6	4.38	16	33.6	G5 J	14	12875	E -2613281
84		9.2R	30 59.605	-0.0001	15	-27 5 31.29	0.016	15	0.29	59.606	16	33.6	31.55	16	33.6	A0 J	13B	12051	J -2712968
85		9.5R	31 2.097	-0.0026	18	-22 29 10.22	0.016	18	0.34	2.139	16	33.6	10.49	16	33.6	G5 M	14	12880	E -2213084
86		9.0R	31 2.426	0.0009	12	-25 25 9.05	0.017	12	0.25	2.411	16	33.6	9.32	16	33.6	B8 J	14	12879	E -2513252
87		9.3R	31 3.022	-0.0005	20	-22 50 52.27	0.034	20	0.36	3.031	16	33.6	52.83	16	33.6	B9 J	14	12881	E -2213083
88		8.4R	31 3.330	0.0032	20	-28 23 7.61	0.014	20	0.36	3.279	16	33.6	7.84	16	33.6	A0 J	13B	12052	J -2814712
89		9.4R	31 6.174	0.0019	18	-23 22 47.76	0.011	18	0.34	6.143	16	33.6	47.94	16	33.6	F8 M	14	12882	E -2314498
90		9.1A	31 6.587	-0.0009	20	-20 19 6.18	-0.033	15	0.33	6.601	16	33.6	5.64	16	33.6	A0 J	13A	7769	A -20 5185
91		9.5R	31 10.079	0.0007	15	-25 46 0.92	-0.072	15	0.29	10.068	16	33.6	-59.74	16	33.6	A0 M	14	12883	E -2513255
92		9.3A	31 20.710	-0.0018	20	-21 35 35.47	0.015	15	0.33	20.740	16	33.6	35.73	16	33.6	B	13A	7770	A -21 5052
93		9.0R	31 21.074	-0.0010	17	-28 45 14.21	-0.018	17	0.31	21.090	16	33.6	13.91	16	33.6	K	13B	12058	J -2814715
94		9.0R	31 22.069	-0.0001	18	-22 15 2.84	0.016	18	0.34	22.071	16	33.6	3.11	16	33.6	B8 J	14	12884	E -2213086
95		6.4T	31 29.212	0.0001	05	-24 15 44.42	-0.001	05	0.25	29.209	10	03.3	44.39	10	02.1	F0	GC	25358	C*-2414479
96		8.6R	31 29.306	0.0008	15	-27 36 23.29	0.005	15	0.29	29.293	16	33.6	23.37	16	33.6	G0 J	13B	12059	J -2712977
97		9.3R	31 32.971	0.0012	15	-25 14 48.92	0.019	15	0.29	32.952	16	33.6	49.23	16	33.6	B9 J	14	12886	E -2513262
98		8.2R	31 34.735	-0.0021	17	-28 6 39.21	-0.092	17	0.31	34.769	16	33.6	37.70	16	33.6	G5 M	13B	12061	J -2814719
99		8.7R	31 38.465	0.0035	20	-28 42 27.89	0.008	20	0.36	38.407	16	33.6	28.02	16	33.6	K5 M	13B	12062	J -2814721
00		8.5R	31 39.829	-0.0003	18	-22 35 11.32	-0.006	18	0.34	39.834	16	33.6	11.22	16	33.6	A0 J	14	12888	E -2213095

187000

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	EPOCH 1950 μ s	EPOCH 1950 σ_μ ″.001	EPOCH 1950 δ_{1950} ° ′ ″	EPOCH 1950 μ' ″	EPOCH 1950 σ'_μ ″.001	EPOCH 1950 σ_{1950} ″	ORIGINAL EPOCH α_2 s	ORIGINAL EPOCH σ ″.01	ORIGINAL EPOCH ep.	ORIGINAL EPOCH δ_2 ″	ORIGINAL EPOCH σ' ″.01	ORIGINAL EPOCH ep.	SP.		SOURCE CAT.	SOURCE STAR NUMBER	-20° 18H DM NUMBER
1		9.1R	18 31 43.827	-0.0023	18	-26 30 58.06	0.004	18	0.34	43.865	16	33.6	58.12	16	33.6	A0	J	14	12887	E -2613294
2		9.5R	31 50.754	0.0006	18	-23 35 38.96	0.011	18	0.34	50.744	16	33.6	39.14	16	33.6	A0	M	14	12889	E -2314505
3		9.7R	31 53.673	-0.0003	12	-23 28 6.03	0.018	12	0.25	53.678	16	33.6	6.33	16	33.6	F0	M	14	12891	E -2314507
4		9.5R	31 54.548	-0.0000	20	-24 43 38.28	0.044	20	0.36	54.548	16	33.6	39.00	16	33.6	A5	J	14	12890	E -2414482
5		8.4R	32 7.189	0.0025	18	-22 1 14.30	0.025	18	0.34	7.149	16	33.6	14.72	16	33.6	K2	J	14	12893	E -2213111
6		9.1R	32 8.195	-0.0025	18	-22 52 35.02	-0.030	18	0.34	8.237	16	33.6	34.52	16	33.6	K0	M	14	12894	E -2213110
7		9.4R	32 8.780	0.0041	18	-23 40 46.55	0.043	18	0.34	8.712	16	33.6	47.26	16	33.6	K0	M	14	12892	E -2314511
8		9.0R	32 14.442	0.0017	12	-25 11 0.65	0.007	12	0.25	14.415	16	33.6	0.75	16	33.6	K0	J	14	12895	E -2513272
9		9.4R	32 16.751	-0.0039	22	-23 39 24.83	0.006	22	0.40	16.815	16	33.6	24.93	16	33.6			14	12896	E -2314513
10		8.5R	32 19.781	-0.0035	18	-22 7 54.24	0.004	18	0.34	19.839	16	33.6	54.31	16	33.6	B3	J	14	12897	E -2213117
11		9.4A	32 22.051	0.0018	20	-20 14 26.15	-0.109	15	0.33	22.021	16	33.6	24.36	16	33.6	G0	J	13A	7779	A -20 5190
12		6.5T	32 22.247	0.0021	09	-20 52 53.52	-0.014	09	0.46	22.146	10	01.9	52.84	10	01.3	A5		GC	25378	-20 5189
13		9.2R	32 25.587	0.0003	18	-22 26 26.20	0.022	18	0.34	25.582	16	33.6	26.57	16	33.6	A0	J	14	12899	E -2213119
14		7.8R	32 25.860	0.0017	18	-27 22 58.67	-0.027	18	0.34	25.833	16	33.6	58.22	16	33.6	M3	M	13B	12065	J -2712989
15		9.2R	32 27.800	-0.0017	15	-22 38 23.06	0.008	15	0.29	27.829	16	33.6	23.19	16	33.6	B9	J	14	12900	E -2213120
16		8.3R	32 28.369	0.0019	17	-28 21 59.38	0.034	12	0.28	28.339	16	33.6	59.94	16	33.6	G5	J	13B	12067	J -2814736
17		9.4R	32 29.214	0.0014	22	-23 14 51.67	-0.003	22	0.40	29.190	16	33.6	51.62	16	33.6	G5	J	14	12901	E -2314518
18		9.2A	32 31.109	-0.0003	20	-21 15 54.44	0.000	15	0.33	31.114	16	33.6	54.44	16	33.6	K7	J	13A	7782	A -21 5060
19		6.9T	32 31.730	0.0016	10	-29 58 43.48	0.012	09	0.57	31.647	15	97.0	44.21	17	91.5	K0		GC	25388	C -3015888
20		9.0R	32 34.088	0.0002	15	-25 39 11.89	-0.057	15	0.29	34.084	16	33.6	10.95	16	33.6	A0	J	14	12902	E -2513274
21		9.6R	32 38.233	-0.0021	18	-26 51 13.71	-0.061	18	0.34	38.267	16	33.6	12.71	16	33.6	B9	J	14	12903	E -2613303
22		8.8R	32 41.633	0.0007	12	-28 51 28.35	0.026	12	0.25	41.622	16	33.6	28.77	16	33.6	++	J	13B	12070	J*-2814742
23		8.7R	32 47.250	-0.0007	18	-22 46 8.01	0.012	18	0.34	47.262	16	33.6	8.21	16	33.6	A0	J	14	12904	E -2213129
24		6.5T	32 48.153	0.0012	07	-29 44 26.09	-0.005	07	0.32	48.104	09	08.0	25.85	09	06.1	K0		GC	25395	C*-2915123
25		9.3R	32 51.445	0.0009	15	-23 35 0.78	0.008	15	0.29	51.430	16	33.6	0.91	16	33.6	A0	J	14	12906	E -2314525
26		9.2R	32 51.820	0.0009	18	-24 31 40.02	0.008	18	0.34	51.805	16	33.6	40.14	16	33.6	B9	J	14	12905	E -2414500
27		8.9R	32 58.895	-0.0003	15	-26 16 41.46	0.004	15	0.29	58.899	16	33.6	41.53	16	33.6	B9	J	14	12907	E -2613310
28		8.6R	33 0.278	-0.0004	18	-27 13 55.41	-0.084	18	0.34	0.284	16	33.6	54.03	16	33.6	K5	J	13B	12074	J -2712998
29		8.6R	33 2.425	0.0016	18	-26 36 41.29	-0.019	18	0.34	2.399	16	33.6	40.98	16	33.6	G5	J	14	12908	E -2613312
30	9.7	9.7W	33 3.868	-0.0043	21	-29 58 38.42	0.035	21	0.44	3.948	22	31.6	39.07	21	31.6	A2		C7	10064	C -3015904
31		9.4R	33 14.143	0.0021	18	-22 9 53.17	-0.022	18	0.34	14.109	16	33.6	52.81	16	33.6	G5	M	14	12910	E -2213135
32		8.9R	33 15.110	-0.0012	18	-22 54 32.63	-0.020	18	0.34	15.129	16	33.6	32.30	16	33.6	B9	J	14	12911	E -2213134
33		9.0R	33 20.266	0.0006	18	-23 24 7.44	0.013	18	0.34	20.257	16	33.6	7.65	16	33.6	G5	J	14	12912	E -2314536
34		8.3R	33 21.727	0.0017	18	-27 4 12.46	-0.005	15	0.31	21.700	16	33.6	12.38	16	33.6	K5	J	13B	12075	J -2713008
35		8.6R	33 24.776	-0.0021	18	-24 54 17.41	0.046	18	0.34	24.810	16	33.6	18.16	16	33.6	F8	J	14	12913	E -2414512
36		9.6R	33 24.922	-0.0010	18	-22 40 10.18	0.017	18	0.34	24.939	16	33.6	10.46	16	33.6	B9	M	14	12915	E -2213137
37		8.5R	33 31.189	0.0012	12	-25 21 20.58	-0.007	12	0.25	31.169	16	33.6	20.46	16	33.6	B9	J	14	12916	E -2513281
38		9.2R	33 38.044	-0.0009	18	-26 12 8.95	-0.027	18	0.34	38.058	16	33.6	8.50	16	33.6	K	M	14	12917	E -2613318
39		9.0R	33 38.416	-0.0005	18	-24 6 19.41	-0.016	18	0.34	38.425	16	33.6	19.15	16	33.6	B9	J	14	12919	E -2414520
40		8.2A	33 41.173	-0.0004	17	-20 21 23.55	-0.014	12	0.28	41.180	16	33.6	23.32	16	33.6	B5	J	13A	7791	A*-20 5196
41		8.2R	33 41.936	-0.0033	15	-26 19 52.42	-0.015	15	0.29	41.991	16	33.6	52.17	16	33.6	G0	J	14	12920	E -2613320
42		8.4R	33 43.938	0.0016	18	-27 56 2.80	-0.051	18	0.34	43.913	16	33.6	1.96	16	33.6	K2	J	13B	12077	J -2713014
43		8.7R	33 43.969	0.0019	18	-24 51 35.82	-0.000	18	0.34	43.938	16	33.6	35.82	16	33.6	K0	J	14	12921	E -2414521
44		8.5R	33 44.302	0.0002	18	-23 48 21.25	0.002	18	0.34	44.299	16	33.6	21.28	16	33.6	M0	M	14	12922	E -2314543
45		9.0A	33 45.306	-0.0015	20	-20 22 19.88	-0.019	15	0.33	45.330	16	33.6	19.56	16	33.6	A	J	13A	7792	A -20 5197
46		9.6R	33 49.257	-0.0021	21	-29 58 17.91	-0.063	17	0.35	49.291	16	33.6	16.87	16	33.6	A2	M	13B	12078	J -3015919
47		8.6R	33 49.942	-0.0003	18	-27 46 23.16	-0.049	18	0.34	49.947	16	33.6	22.36	16	33.6	G0	J	13B	12079	J -2713015
48		6.8T	33 53.633	0.0020	10	-28 33 15.05	-0.135	09	0.48	53.533	10	01.2	8.31	10	00.2	G5		GC	25417	C -2814765
49		8.7R	33 58.287	-0.0009	18	-27 51 31.92	-0.038	18	0.34	58.273	16	33.6	31.30	16	33.6	K0	J	13B	12082	J -2713017
50		8.3T	33 59.339	-0.0014	13	-29 16 49.04	-0.002	09	0.60	59.405	18	01.5	48.92	18	00.2	G5		GC	25419	C -2915145
51		9.1A	18 34 0.291	-0.0011	20	-21 5 19.65	-0.027	15	0.33	0.309	16	33.6	19.21	16	33.6	K2	J	13A	7793	A -21 5068
52		9.1A	34 1.757	0.0007	17	-21 41 37.49	-0.001	12	0.28	1.745	16	33.6	37.48	16	33.6	B8	J	13A	7794	A -21 5069
53		7.7T	34 6.272	-0.0008	11	-29 31 1.63	-0.015	08	0.53	6.315	18	98.5	0.85	17	96.4	F5		GC	25423	C -2915146
54		7.4T	34 6.708	0.0138	10	-25 42 37.34	-0.271	08	0.46	6.029	10	00.7	23.33	10	98.3	G0		GC	25424	C -2513291
55		9.2R	34 7.976	-0.0016	18	-27 19 59.38	-0.020	18	0.34	8.002	16	33.6	59.05	16	33.6	K2	J	13B	12086	J -2713021
56		9.0R	34 12.235	0.0017	21	-29 25 41.62	-0.017	21	0.38	12.206	16	33.6	41.34	16	33.6	A0	J	13B	12087	J -2915147
57		9.4R	34 13.024	0.0014	20	-28 53 1.67	0.007	20	0.36	13.001	16	33.6	1.78	16	33.6	K0	M	13B	12088	J -2814772
58		8.7R	34 17.344	0.0006	12	-28 48 7.68	-0.018	12	0.25	17.334	16	33.6	7.38	16	33.6	K0	J	13B	12090	J -2814776
59		9.1R	34 21.023	-0.0005	15	-23 39 25.52	-0.015	15	0.29	21.032	16	33.6	25.28	16	33.6	B9	J	14	12926	E -2314552
60		9.2R	34 21.081	0.0017	18	-27 15 17.27	0.026	18	0.34	21.054	16	33.6	17.69	16	33.6	F0	J	13B	12091	J -2713024
61		8.8A	34 27.867	-0.0003	00	-21 32 21.74	0.007	15	0.23	27.872	16	33.6	21.86	16	33.6	A3	J	13A	7801	A -21 5070
62		9.2R	34 28.594	0.0063	21	-29 10 16.68	-0.041	21	0.38	28.507	16	33.6	16.01	16	33.6	K0	M	13B	12092	J -2915153
63		8.6R	34 31.211	-0.0002	17	-28 1 44.20	0.058	17	0.31	31.214	16	33.6	45.15	16	33.6	B2	J	13B	12093	J -2814778
64		9.4R	34 34.724	-0.0009	15	-22 9 46.34	0.009	15	0.29	34.739	16	33.6	46.50	16	33.6	B9	J	14	12927	E -2213155
65		8.9A	34 39.738	-0.0013	20	-20 6 37.18	-0.028	15	0.33	39.759	16	33.6	36.72	16	33.6	A0	J	13A	7805	A -20 5209
66		9.0R	34 46.260	-0.0004	18	-22 56 7.51	-0.012	18	0.34	46.267	16	33.6	7.31	16	33.6	K5	M	14	12928	E -2213159
67		9.2R	34 46.384	-0.0011	21	-29 43 12.07	-0.007	21	0.38	46.402	16	33.6	11.96	16	33.6	G0	J	13B	12094	J -2915159
68		8.5R	34 47.926	-0.0012	18	-23 26 27.28	0.013	18	0.34	47.946	16	33.6	27.49	16	33.6	G0	J	14	12929	E -2314564
69		8.7R	34 51.307	-0.0001	18	-22 28 55.89	0.012	18	0.34	51.309	16	33.6	56.10	16	33.6	A5	J	14	12930	E -2213162
70		9.4R	34 54.680	-0.0001	18	-23 14 12.26	-0.007	18	0.34	54.681	16	33.6	12.15	16	33.6	B9	J	14	12931	E -2314565
71		5.8H	34 54.772	0.0000	02	-21 26 27.08	-0.068	02	0.08	54.771	04	17.2	25.04	05	19.9	A5		F4	1485	-21 5076
72		8.5R	35 7.510	0.0002	18	-23 45 47.10	-0.031	18	0.34	7.507	16	33.6	46.59	16	33.6	K0	J	14	12933	E -2314568
73		8.1T	35 10.151	0.0015	12	-25 27 56.45	0.002	09	0.59	10.071	18	98.4	56.54	18	94.3	B9		GC	25461K	C*-2513305
74		9.0R	35 11.324	-0.0009	18	-26 39 31.61	0.017	18	0.34	11.340	16	33.6	31.89	16	33.6	G5	J	14	12932	E -2613332
75		9.4R	35 13.745	0.0004	18	-22 35 30.03	-0.035	18	0.34	13.738	16	33.6	29.45	16	33.6	A0	J	14	12935	E -2213166
76		9.1R	35 14.940	-0.0003	18	-22 7 4.63	0.011	18	0.34	14.946	16	33.6	4.82	16	33.6	B9	J	14	12936	E -2213167
77		9.3R	35 19.929	0.0006	17	-26 2 56.84	-0.014	17	0.31	19.920	16	33.6	56.61	16	33.6	K2	M	13B	12101	J -2814800
78		8.0R	35 24.491	-0.0004	18	-23 8 50.90	-0.031	18	0.34	24.498	16	33.6	50.39	16	33.6	K2	J	14	12937	E -2314570
79		9.1A	35 28.010	0.0025	20	-21 13 3.13	-0.084	15	0.33	27.969	16	33.6	1.75	16	33.6	G0	J	13A	7811	A +21 5079
80		5.7T	35 28.216	-0.0002	03	-23 32 57.70	-0.020	03	0.17	28.223	05	00.9	56.72	06	00.1	B9		GC	25475	C -2314572
81		8.0R	35 36.366	-0.0002	20	-29 41 50.97	-0.015	20	0.36	36.370	16	33.6	50.71	16	33.6	F8	J	13B	12104	J -2915173
82		9.5R	35 37.727	0.0009	15	-22 45 16.72	-0.007	15	0.29	37.712	16	33.6	16.61	16	33.6	K5	M	14	12939	E -2213171
83		9.0R	35 50.026	0.0033	20	-28 41 38.25	-0.023	20	0.36	49.971	16	33.6	37.87	16	33.6	G5	J	13B	12106	J -2814813
84		8.6R	35 51.808	0.0011	18	-24 45 11.23	0.020	18	0.34	51.789	16	33.6	11.55	16	33.6	G5	J	14	12940	E -2414555
85		8.5R	35 53.799	-0.0002	18	-22 59 12.20	0.022	18	0.34	53.803	16	33.6	12.56	16	33.6	K0	J	14	12941	E -2314576
86		5.9T	35 54.461	-0.0057	04	-21 5 41.90	-0.152	04	0.20	54.728	06	03.1	34.71	06	02.7	G5		GC	25484	-21 5081
87		9.5R	35 56.722	0.0008	18	-23 37 0.27	0.012	18	0.34	56.709	16	33.6	0.47	16	33.6	G5	M	14	12942	E -2314577
88		6.8T	36 0.065	0.0005	09	-23 13 38.88	-0.011	08	0.50	0.039	15	96.5	38.27	15	95.5	F8P		GC	25489	C -2314580
89		7.5T	36 4.666	0.0015	13	-28 13 35.38	-0.014	10	0.64	4.589	18	99.0	34.60	18	95.1	B9		GC	25492	C -2814821
90		8.4R	36 4.775	0.0007	20	-28 33 33.78	-0.005	20	0.36	4.762	16	33.6	33.70	16	33.6	K2	J	13B	12107	J -2814820
91		9.1R	36 5.627	0.0022	18	-26 50 26.73	-0.024	18	0.34	5.591	16	33.6	26.33	16	33.6	K5	M	14	12944	E -2613346
92		9.0R	36 7.758	-0.0033	18	-22 21 25.91	0.006	18	0.34	7.812	16	33.6	26.01	16	33.6	A0	J	14	12945	E -2213177
93		8.8A	36 13.972	0.0028	18	-20 22 52.61	-0.001	13	0.30	13.925	16	33.6	52.59	16	33.6	A2	J	13A	7820	A -20 5220
94		9.1R	36 15.549	0.0007	18	-22 40 53.51	-0.021	18	0.34	15.537	16	33.6	53.17	16	33.6	G0	J	14	12946	E -2213180
95		9.2R	36 19.782	0.0019	17	-29 32 28.81	0.010	17	0.31	19.750	16	33.6	28.97	16	33.6	G0	J	13B	12112	J -2915183
96		8.2R	36 29.811	-0.0015	18	-22 0 41.16	-0.005	18	0.34	29.836	16	33.6	41.08	16	33.6	A0	J	14	12948	E -2213183
97		9.4A	36 29.886	0.0000	20	-21 4 1.02	-0.004	15	0.33	29.885	16	33.6	0.95	16	33.6	A0	J	13A	7822	A -21 5068
98		9.4R	36 32.435	0.0009	18	-24 21 59.97	-0.006	18	0.34	32.420	16	33.6	59.87	16	33.6	K0	M	14	12947	E -2414566
99		9.4R	36 37.288	-0.0026	20	-22 58 14.14	0.014	20	0.36	37.331	16	33.6	14.37	16	33.6	K	M	14	12949	E -2314585
00		9.5R	36 37.412	0.0018	20	-29 23 7.67	0.007	20	0.36	37.382	16	33.6	7.78	16	33.6	B	J	13B	12114	J -2915193

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EPOCH 1950 — ORIGINAL EPOCH — -20° 18H

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	CAT.	STAR NUMBER	DM NUMBER
1		9.4R	18 36 38.103	0.0017	20	-29 4 39.17	0.047	20	0.36	38.075	16	33.6	39.94	16	33.6	G0 M	13B	12115	J -2915194
2		9.1A	36 39.658	0.0007	20	-20 57 5.91	-0.045	15	0.33	39.646	16	33.6	5.17	16	33.6	G5 J	13A	7824	A -21 5089
3		9.2I	36 43.211	0.0009	11	-25 32 50.50	-0.029	13	0.69	43.163	19	94.1	48.96	19	96.9	A2	GC	25509K	C -2513318
4		9.0R	36 43.774	0.0043	20	-29 41 38.77	-0.066	20	0.36	43.704	16	33.6	37.69	16	33.6	K5 M	13B	12117	J -2915196
5		9.1R	36 45.745	0.0005	15	-22 58 3.78	-0.006	15	0.29	45.737	16	33.6	3.68	16	33.6	M0 M	14	12954	E -2314588
6		8.0T	36 47.039	0.0008	11	-25 33 2.14	0.008	09	0.59	46.998	18	96.1	2.60	18	92.7	A0	GC	25510K	C -2513320
7		9.4R	36 47.631	0.0014	12	-27 17 33.12	-0.000	12	0.25	47.609	16	33.6	33.12	16	33.6	G5 M	13B	12118	J -2713058
8		6.8T	36 55.702	0.0028	14	-20 7 1.63	-0.025	13	0.66	55.570	09	02.9	0.43	10	02.9	A5	GC	25515	-20 5223
9		8.7A	36 57.395	0.0026	20	-20 43 18.83	-0.024	15	0.33	57.353	16	33.6	18.43	16	33.6	F5 J	13A	7826	A -20 5224
10		9.3R	37 1.733	0.0054	20	-28 42 23.96	0.012	20	0.36	1.644	16	33.6	24.16	16	33.6	K0 M	13B	12121	J -2814638
11		9.0A	37 3.857	-0.0001	15	-21 0 44.30	-0.014	11	0.26	3.859	16	33.6	44.07	16	33.6	B9 J	13A	7827	A -21 5090
12		8.9R	37 9.717	0.0013	18	-22 42 37.79	0.016	18	0.34	9.696	16	33.6	38.05	16	33.6	B5 J	14	12955	E -2213192
13		9.4R	37 12.872	-0.0005	00	-24 20 50.20	-0.018	22	0.30	12.881	16	33.6	49.91	16	33.6	F5 J	14	12956	E -2414577
14		9.0R	37 21.868	0.0008	12	-25 2 34.27	-0.008	12	0.25	21.855	16	33.6	34.13	16	33.6	G5 J	14	12957	E -2513331
15		9.2R	37 26.086	0.0010	18	-27 35 21.07	-0.006	18	0.34	26.070	16	33.6	20.99	16	33.6	F0 J	13B	12124	J -2713068
16		9.1R	37 31.230	0.0002	18	-24 11 9.82	0.003	18	0.34	31.227	16	33.6	9.87	16	33.6	K0 M	14	12959	E -2414579
17		9.2R	37 35.628	0.0015	18	-24 8 56.22	-0.008	18	0.34	35.605	16	33.6	56.09	16	33.6	B9 J	14	12961	E -2414581
18		9.4R	37 36.615	0.0012	18	-27 47 4.08	-0.103	18	0.34	36.595	16	33.6	2.39	16	33.6	F8 M	13B	12129	J -2713073
19		8.8A	37 39.665	-0.0006	20	-21 32 31.88	-0.032	15	0.33	39.675	16	33.6	31.36	16	33.6	B9 J	13A	7830	A -21 5096
20		9.0R	37 42.814	0.0014	12	-25 3 35.15	0.007	12	0.25	42.792	16	33.6	35.26	16	33.6	A0 J	14	12962	E -2513341
21		8.8A	37 43.001	-0.0024	20	-21 42 19.93	-0.004	15	0.33	43.039	16	33.6	19.87	16	33.6	F8 J	13A	7832	A -21 5097
22		8.8R	37 43.871	-0.0008	20	-29 22 27.27	-0.056	20	0.36	43.884	16	33.6	26.35	16	33.6	A3 J	13B	12130	J -2915218
23		9.0R	37 50.899	-0.0008	20	-29 21 48.25	-0.013	20	0.36	50.912	16	33.6	48.03	16	33.6	A0 J	13B	12133	J -2915220
24		8.9A	37 53.981	0.0033	15	-20 32 37.71	-0.030	11	0.26	53.927	16	33.6	37.22	16	33.6	G0 J	13A	7833	A -20 5228
25		7.5R	37 55.867	0.0001	17	-28 18 11.46	0.010	17	0.31	55.865	16	33.6	11.63	16	33.6	K0 J	13B	12135	J -2814863
26		9.2R	37 56.716	-0.0010	18	-22 21 16.98	-0.001	18	0.34	56.732	16	33.6	16.97	16	33.6	A0 J	14	12964	E -2213204
27		8.3R	37 59.433	0.0022	15	-26 47 18.50	0.030	15	0.29	59.397	16	33.6	18.99	16	33.6	F5 J	14	12963	E -2613371
28		7.9R	38 8.388	0.0001	17	-28 52 25.07	0.008	17	0.31	8.385	16	33.6	25.20	16	33.6	B8 J	13B	12137	J -2814869
29		8.9R	38 13.864	-0.0010	21	-23 47 59.27	-0.030	21	0.38	13.881	16	33.6	58.78	16	33.6	K0 J	14	12966	E -2314617
30		9.3R	38 14.076	-0.0010	18	-25 28 41.52	0.007	18	0.34	14.092	16	33.6	41.63	16	33.6	A0 J	14	12965	E -2513347
31		8.8R	38 14.394	0.0022	15	-27 55 18.18	-0.015	15	0.29	14.359	16	33.6	17.93	16	33.6	K2 J	13B	12138	J -2713087
32		7.8R	38 15.475	0.0013	17	-28 0 20.71	0.009	17	0.31	15.454	16	33.6	20.86	16	33.6	K2 J	13B	12139	J -2814871
33		9.5R	38 19.459	0.0020	21	-29 31 28.60	0.058	21	0.38	19.426	16	33.6	29.54	16	33.6	A0 J	13B	12141	J -2915231
34		9.4R	38 21.624	-0.0025	22	-23 58 16.11	-0.101	22	0.40	21.665	16	33.6	14.45	16	33.6	A0 J	14	12967	E -2414592
35		8.9R	38 24.953	-0.0031	17	-29 0 19.67	-0.007	17	0.31	25.004	16	33.6	19.55	16	33.6	A0 J	13B	12145	J -2915233
36		9.4R	38 27.829	-0.0040	22	-23 15 36.11	0.009	22	0.40	27.895	16	33.6	36.26	16	33.6	B9 J	14	12968	E -2314622
37		8.6R	38 28.222	0.0003	17	-27 59 54.85	0.005	17	0.31	28.217	16	33.6	54.93	16	33.6	G0 J	13B	12148	J -2814878
38		9.1R	38 31.214	0.0004	18	-24 25 16.16	0.009	18	0.34	31.208	16	33.6	16.31	16	33.6	K0 M	14	12969	E -2414594
39		8.4R	38 32.367	0.0012	12	-25 2 10.94	0.012	12	0.25	32.347	16	33.6	11.13	16	33.6	K0 J	14	12970	E -2513351
40		8.4R	38 38.436	0.0014	15	-27 3 7.76	-0.069	15	0.29	38.412	16	33.6	6.79	16	33.6	F0 J	13B	12150	J -2713098
41		8.3R	38 39.571	-0.0001	18	-27 29 37.00	-0.056	18	0.34	39.572	16	33.6	36.08	16	33.6	B5 J	13B	12151	J -2713097
42		8.9R	38 40.611	0.0049	18	-25 12 58.55	-0.005	18	0.34	40.530	16	33.6	58.47	16	33.6	K0 J	14	12971	E -2513352
43		8.5R	38 42.728	0.0061	12	-26 20 38.44	0.013	12	0.25	42.628	16	33.6	38.65	16	33.6	G5 J	14	12972	E -2613388
44		9.0R	38 44.996	0.0059	17	-28 22 21.28	0.031	17	0.31	44.899	16	33.6	21.79	16	33.6	G0 J	13B	12153	J -2814882
45		8.0R	38 46.541	0.0031	15	-24 24 10.78	-0.019	15	0.29	46.490	16	33.6	10.47	16	33.6	F0 J	14	12973	E -2414599
46		6.1T	38 48.639	0.0024	03	-23 52 54.27	-0.024	03	0.16	48.533	06	06.7	53.16	07	03.4	A2	GC	25563	C*-2314625
47		8.6R	38 48.796	0.0013	17	-28 2 53.54	0.043	17	0.31	48.774	16	33.6	54.25	16	33.6	K0 M	13B	12154	J -2814883
48		9.2R	38 53.262	-0.0078	20	-22 55 3.96	-0.009	20	0.36	53.390	16	33.6	3.81	16	33.6	F M	14	12975	E -2213216
49		9.0A	38 58.193	0.0006	20	-20 0 54.54	-0.075	15	0.33	58.185	16	33.6	53.31	16	33.6	K2 J	13A	7843	A -20 5232
50		8.5A	38 59.718	0.0003	20	-21 22 15.29	-0.039	15	0.33	59.713	16	33.6	14.57	16	33.6	K0 J	13A	7842	A -21 5104
51		8.6R	18 39 1.047	0.0030	17	-29 39 2.12	0.022	17	0.31	0.998	16	33.6	2.49	16	33.6	B9 J	13B	12157	J -2915244
52		9.1R	39 1.061	-0.0015	21	-29 12 5.80	-0.013	21	0.38	1.085	16	33.6	5.58	16	33.6	B9 J	13B	12158	J -2915245
53		9.1R	39 7.096	0.0012	18	-24 4 33.54	0.018	18	0.34	7.076	16	33.6	33.83	16	33.6	K0 M	14	12976	E -2414604
54		9.0R	39 9.956	0.0009	18	-23 10 57.95	0.006	18	0.34	9.941	16	33.6	58.05	16	33.6	A0 J	14	12977	E -2314633
55		8.9R	39 10.318	0.0025	20	-28 30 23.05	-0.008	20	0.36	10.277	16	33.6	22.92	16	33.6	K0 J	13B	12160	J -2814892
56		7.5R	39 12.155	0.0005	18	-23 20 31.26	0.005	18	0.34	12.147	16	33.6	31.34	16	33.6	K2 J	14	12978	E -2314634
57		9.7R	39 13.005	-0.0018	20	-22 19 47.38	0.032	20	0.36	13.034	16	33.6	47.91	16	33.6	A0 M	14	12980	E -2213218
58		9.0R	39 15.174	0.0032	18	-24 46 4.07	0.006	18	0.34	15.122	16	33.6	4.16	16	33.6	A2 J	14	12979	E -2414636
59		8.8A	39 18.909	0.0006	15	-20 33 58.14	0.018	11	0.26	18.898	16	33.6	58.43	16	33.6	F8 J	13A	7845	A -20 5237
60		9.1R	39 22.190	0.0009	18	-24 40 35.51	0.006	18	0.34	22.175	16	33.6	35.60	16	33.6	K2 M	14	12981	E -2414637
61		9.0R	39 23.647	0.0014	18	-22 2 46.54	-0.006	18	0.34	23.625	16	33.6	46.45	16	33.6	G0 J	14	12983	E -2213220
62		8.5R	39 28.099	0.0010	15	-26 39 12.54	0.001	15	0.29	28.083	16	33.6	12.55	16	33.6	K0 J	14	12982	E -2613399
63		9.1R	39 28.227	0.0017	18	-22 23 26.30	-0.014	18	0.34	28.200	16	33.6	26.08	16	33.6	A0 J	14	12985	E -2213222
64		8.4R	39 30.014	0.0013	17	-29 31 39.72	0.005	17	0.31	29.993	16	33.6	39.79	16	33.6	K0 J	13B	12164	J -2915253
65		9.0R	39 30.480	0.0034	18	-25 11 7.06	-0.048	18	0.34	30.425	16	33.6	6.26	16	33.6	K0 M	14	12984	E -2513364
66		9.2R	39 32.301	0.0001	17	-29 36 22.25	0.002	17	0.31	32.299	16	33.6	22.27	16	33.6	G5 M	13B	12165	J -2915254
67		9.3A	39 33.638	0.0020	20	-21 12 56.33	-0.019	15	0.33	33.604	16	33.6	56.02	16	33.6	K0 J	13A	7850	A -21 5108
68		9.5R	39 37.990	0.0065	20	-23 38 44.81	-0.029	20	0.36	37.884	16	33.6	44.34	16	33.6	F M	14	12986	E -2314643
69		8.6R	39 38.265	0.0005	18	-22 13 11.22	0.002	18	0.34	38.256	16	33.6	11.26	16	33.6	B8 J	14	12987	E -2213226
70		8.4R	39 46.242	0.0021	18	-27 41 53.76	-0.011	18	0.34	46.208	16	33.6	53.58	16	33.6	B9 J	13B	12168	J -2713119
71		8.8R	39 47.650	0.0011	12	-25 32 49.41	0.025	12	0.25	47.631	16	33.6	49.82	16	33.6	K0 J	14	12988	E -2513367
72		8.6R	39 48.974	0.0014	12	-25 4 56.96	0.015	12	0.25	48.952	16	33.6	57.20	16	33.6	K0 J	14	12989	E -2513368
73		7.9R	39 54.691	0.0010	18	-24 1 3.56	0.045	18	0.34	54.674	16	33.6	4.30	16	33.6	G0 J	14	12990	E -2414620
74		9.0R	39 58.777	0.0036	12	-29 4 41.83	-0.015	12	0.25	58.718	16	33.6	41.58	16	33.6	K2 M	13B	12170	J -2915264
75		9.0R	39 59.404	0.0022	17	-28 13 28.93	-0.032	17	0.31	59.369	16	33.6	28.40	16	33.6	F5 J	13B	12171	J -2814913
76		9.4R	40 0.116	-0.0016	18	-27 21 49.60	-0.048	18	0.34	0.142	16	33.6	48.81	16	33.6	K0 M	13B	12172	J -2713125
77		9.0R	40 1.059	0.0001	18	-24 22 5.07	0.009	18	0.34	1.057	16	33.6	5.22	16	33.6	G5 J	14	12991	E -2414623
78		9.3R	40 2.291	-0.0013	18	-23 6 5.57	0.014	18	0.34	2.313	16	33.6	5.80	16	33.6	K2 M	14	12992	E -2314651
79		8.7R	40 8.064	0.0020	12	-29 42 7.28	0.029	12	0.25	8.031	16	33.6	7.74	16	33.6	F0 J	13B	12173	J -2915265
80		8.0R	40 10.228	0.0004	17	-28 29 59.63	-0.005	17	0.31	10.221	16	33.6	59.55	16	33.6	K0 J	13B	12174	J -2814915
81		8.5R	40 10.620	0.0010	18	-27 26 23.07	-0.036	18	0.34	10.604	16	33.6	22.48	16	33.6	K2 J	13B	12175	J -2713130
82		9.2R	40 13.269	0.0013	12	-27 50 56.28	-0.075	17	0.28	13.248	16	33.6	55.05	16	33.6	K2 M	13B	12176	J -2713131
83		9.1R	40 15.524	-0.0001	15	-26 12 51.81	0.015	15	0.29	15.525	16	33.6	52.06	16	33.6	K2 M	14	12993	E -2613409
84		9.6R	40 17.944	-0.0023	15	-22 8 3.13	-0.006	15	0.29	17.907	16	33.6	3.04	16	33.6	A3 M	14	12995	E -2213231
85		7.6R	40 19.272	-0.0025	18	-22 27 40.40	-0.004	18	0.34	19.313	16	33.6	40.34	16	33.6	B9 J	14	12996	E -2213233
86		8.8A	40 22.754	0.0010	20	-21 22 12.53	-0.032	15	0.33	22.738	16	33.6	12.00	16	33.6	G5 J	13A	7857	A -21 5117
87		9.6R	40 23.247	-0.0017	21	-26 48 12.03	0.014	21	0.38	23.275	16	33.6	12.26	16	33.6	A0 M	14	12994	E -2613410
88		9.2R	40 31.506	0.0053	12	-29 7 52.11	0.012	12	0.25	31.418	16	33.6	52.31	16	33.6	F2 J	13B	12178	J -2915274
89		8.1A	40 33.797	0.0004	20	-20 58 11.13	-0.015	15	0.33	33.791	16	33.6	10.88	16	33.6	K0 J	13A	7859	A -21 5118
90		9.0R	40 36.491	0.0036	18	-24 33 20.35	0.020	18	0.34	36.431	16	33.6	20.67	16	33.6	F2 J	14	12998K	E -2414639
91		8.6R	40 36.524	-0.0004	18	-26 16 11.49	0.017	18	0.34	36.531	16	33.6	11.77	16	33.6	K5 J	14	12997	E -2613413
92		8.7R	40 36.994	-0.0008	17	-28 17 2.54	-0.029	17	0.31	37.007	16	33.6	2.06	16	33.6	K0 J	13B	12179	J -2814921
93		8.7T	40 39.064	0.0033	20	-23 16 54.43	-0.017	20	0.96	38.903	18	01.1	53.61	19	02.5	B9	GC	25607	C -2314660
94		9.0R	40 39.088	0.0004	12	-29 38 57.62	-0.012	12	0.25	39.082	16	33.6	57.41	16	33.6	K2 M	13B	12180	J -2915277
95		9.1A	40 40.833	0.0013	20	-20 16 2.59	-0.047	15	0.33	40.811	16	33.6	1.81	16	33.6	F5 J	13A	7861	A -20 5243
96		8.1R	40 41.606	-0.0017	12	-22 43 13.70	-0.064	12	0.25	41.635	16	33.6	12.65	16	33.6	F5 J	14	13000	E -2213240
97		9.4R	40 49.592	-0.0122	21	-29 22 49.00	-0.180	21	0.38	49.793	16	33.6	46.05	16	33.6	K0 M	13B	12182	J -2915282
98		9.0R	40 58.602	0.0015	15	-22 40 8.37	0.013	15	0.29	58.577	16	33.6	8.58	16	33.6	G5 J	14	13002	E -2213244
99		9.2R	40 59.262	-0.0003	18	-24 45 9.46	0.006	18	0.34	59.267	16	33.6	9.55	16	33.6	A0 J	14	13001	E -2414640
00		9.3R	41 7.680	-0.0020	18	-23 27 39.00	-0.009	18	0.34	7.714	16	33.6	38.85	16	33.6	A5 J	14	13004	E -2314666

187200			EPOCH 1950							ORIGINAL EPOCH						SP.	SOURCE		-20° 18H
NUMBER	MAGNITUDES		α_{1950}	μ	σ_μ	δ_{1950}	μ'	$\sigma_{\mu'}$	σ_{1950}	α_2	σ	ep.	δ_2	σ'	ep.		CAT.	STAR NUMBER	DM NUMBER
	m_{pg}	m_v	h m s	s	″.001	° ′ ″	″	″.001	″	s	″.01		″	″.01					
1		9.4R	18 41 9.707	0.0010	18	-23 58 37.49	-0.002	18	0.34	9.691	16	33.6	37.46	16	33.6	K M	14	13005	E -2414645
2		8.3R	41 11.005	0.0016	20	-29 28 46.26	-0.002	20	0.36	10.978	16	33.6	46.23	16	33.6	K0 J	13B	12184	J -2915287
3		8.7R	41 12.008	-0.0012	18	-23 3 34.52	0.016	18	0.34	12.028	16	33.6	34.78	16	33.6	K0 J	14	13006	E -2314668
4		8.9R	41 13.189	-0.0009	18	-23 4 57.83	0.018	18	0.34	13.205	16	33.6	58.13	16	33.6	K0 M	14	13007	E -2314675
5		9.4R	41 14.271	-0.0016	18	-23 37 18.69	0.021	18	0.34	14.298	16	33.6	19.04	16	33.6	G0 M	14	13008	E -2314669
6		8.5R	41 18.531	0.0044	20	-28 59 16.27	0.005	20	0.36	18.458	16	33.6	16.35	16	33.6	K2 J	13B	12186	J -2915290
7		8.8A	41 20.291	0.0008	20	-20 15 56.14	-0.069	15	0.33	20.277	16	33.6	55.01	16	33.6	K0 J	13A	7868	A -20 5246
8		8.9R	41 22.322	0.0001	18	-23 19 9.09	-0.001	18	0.34	22.320	16	33.6	9.07	16	33.6	G5P J	14	13010	E -2314673
9		9.2R	41 22.737	-0.0005	18	-26 16 45.33	-0.018	18	0.34	22.745	16	33.6	45.03	16	33.6	A0 J	14	13009	E -2613424
10		8.7R	41 26.331	0.0016	17	-28 5 35.27	0.038	17	0.31	26.306	16	33.6	35.89	16	33.6	K0 J	13B	12188	J -2814934
11		9.9R	41 31.134	0.0040	20	-23 53 2.58	-0.048	20	0.36	31.068	16	33.6	1.79	16	33.6	A0 M	14	13011	E -2314675
12		8.5R	41 36.430	0.0006	12	-25 25 17.08	-0.012	12	0.25	36.421	16	33.6	16.88	16	33.6	F0 J	14	13012	E -2513390
13		9.4R	41 37.618	0.0025	17	-29 37 10.29	0.012	17	0.31	37.576	16	33.6	10.49	16	33.6	K0 M	13B	12192	J -2915294
14		8.0A	41 39.215	0.0003	20	-21 1 24.35	0.009	15	0.33	39.210	16	33.6	24.50	16	33.6	K2 J	13A	7869	A -21 5127
15		8.9R	41 42.735	0.0010	15	-25 26 24.58	-0.023	15	0.29	42.718	16	33.6	24.19	16	33.6	A0 J	14	13014	E -2513393
16		5.8T	41 45.172	0.0004	04	-25 3 46.61	-0.022	04	0.20	45.152	06	06.1	45.63	06	06.1	B8	GC	25636	C -2513394
17		9.0R	41 47.007	0.0035	20	-29 57 48.05	-0.022	20	0.36	46.950	16	33.6	47.68	16	33.6	F8 J	13B	12195	J -3016139
18		8.4R	41 47.587	0.0068	20	-29 33 2.02	-0.019	20	0.36	47.476	16	33.6	1.70	16	33.6	G5 J	13B	12196	J -2915297
19		9.1R	41 50.233	0.0030	17	-28 16 33.57	0.005	17	0.31	50.184	16	33.6	33.65	16	33.6	F2 J	13B	12198	J -2814942
20		9.1R	41 50.507	0.0009	18	-24 11 49.26	-0.005	18	0.34	50.493	16	33.6	49.18	16	33.6	B9 J	14	13016	E -2414661
21		9.2A	41 56.322	0.0008	20	-21 24 55.00	-0.023	15	0.33	56.308	16	33.6	54.63	16	33.6	F0 J	13A	7871	A -21 5128
22		9.4R	41 56.611	-0.0040	18	-23 5 8.02	0.056	18	0.34	56.677	16	33.6	8.94	16	33.6	A0 J	14	13017	E -2314683
23		9.5R	41 56.959	-0.0023	21	-29 8 46.61	0.020	21	0.38	56.996	16	33.6	46.94	16	33.6	A0 J	13B	12201	J -2915301
24		8.7R	41 57.904	0.0023	18	-23 41 26.16	0.009	18	0.34	57.867	16	33.6	26.31	16	33.6	G5 J	14	13018	E -2314684
25		8.1R	42 0.064	-0.0009	17	-28 16 23.09	0.034	17	0.31	0.079	16	33.6	23.65	16	33.6	B9 J	13B	12202	J -2814946
26		8.6R	42 2.523	0.0008	18	-23 18 10.69	-0.118	18	0.34	2.510	16	33.6	8.75	16	33.6	G0 J	14	13019	E -2314687
27		9.0A	42 2.913	0.0029	20	-21 34 50.42	0.000	15	0.33	2.866	16	33.6	50.43	16	33.6	K2 J	13A	7872	A -21 5129
28		9.1A	42 3.898	-0.0016	20	-21 48 31.51	-0.032	15	0.33	3.924	16	33.6	30.99	16	33.6	G5 J	13A	7873	A -21 5130
29		9.0A	42 5.342	-0.0001	20	-20 53 53.86	-0.003	15	0.33	5.343	16	33.6	53.82	16	33.6	K7 J	13A	7874	A -20 5250
30		9.2R	42 7.153	0.0003	18	-27 43 53.04	-0.045	18	0.34	7.148	16	33.6	52.30	16	33.6	A0 J	13B	12203	J -2713160
31		8.9R	42 8.495	-0.0009	18	-24 20 31.62	0.018	18	0.34	8.510	16	33.6	31.92	16	33.6	K0 J	14	13020	E -2414668
32		9.4R	42 13.004	-0.0009	18	-22 10 1.90	0.000	18	0.34	13.019	16	33.6	1.91	16	33.6	K0 M	14	13021	E -2213256
33		8.3A	42 19.087	0.0061	20	-20 42 0.89	-0.012	15	0.33	18.988	16	33.6	0.69	16	33.6	F5 J	13A	7876	A -20 5253
34		6.4T	42 19.553	0.0019	06	-21 3 14.40	-0.020	07	0.27	19.479	09	11.5	13.59	09	09.4	F5	GC	25653	A -21 5131
35		9.1A	42 22.087	-0.0007	20	-20 17 40.16	-0.012	15	0.33	22.098	16	33.6	39.96	16	33.6	G0 J	13A	7878	A -20 5254
36		8.9R	42 26.774	0.0013	12	-26 53 46.28	-0.025	12	0.25	26.753	16	33.6	45.87	16	33.6	A0 J	14	13022K	E -2613440
37		8.4R	42 30.069	0.0023	17	-28 49 49.20	0.036	17	0.31	30.031	16	33.6	49.79	16	33.6	A0 M	13B	12208	J -2814956
38		8.9R	42 31.190	0.0011	20	-28 48 55.22	0.046	20	0.36	31.172	16	33.6	55.97	16	33.6	A0 M	13B	12209	J -2814957
39		3.3H	42 31.962	0.0040	01	-27 2 38.48	0.001	01	0.05	31.801	02	10.3	38.51	03	08.7	B8	F4	1487	C -2713170
40		9.4R	42 32.598	-0.0023	18	-22 49 16.57	0.041	18	0.34	32.636	16	33.6	17.24	16	33.6	G	M	14	13023	E -2213261
41		9.0R	42 33.064	0.0055	20	-29 28 56.75	-0.012	20	0.36	32.973	16	33.6	56.55	16	33.6	F0 M	13B	12210	J -2915311
42		8.6R	42 33.749	0.0013	17	-27 56 19.66	0.051	17	0.31	33.727	16	33.6	20.50	16	33.6	M1 M	13B	12212	J -2814958
43		8.8R	42 45.694	0.0040	20	-29 0 47.62	0.019	20	0.36	45.627	16	33.6	47.93	16	33.6	A3 J	13B	12214	J -2915317
44		9.0R	42 47.797	0.0030	18	-27 49 52.96	0.026	18	0.34	47.748	16	33.6	53.39	16	33.6	B9 J	13B	12215	J -2713173
45		9.3R	42 53.036	0.0006	18	-23 42 44.74	-0.005	18	0.34	53.027	16	33.6	44.66	16	33.6	K0 J	14	13024	E -2314699
46		6.7T	42 55.682	0.0008	10	-27 33 10.78	0.035	09	0.56	55.649	17	96.0	12.79	18	92.5	G5	GC	25673	C -2713176
47		9.2R	42 58.138	0.0014	20	-29 29 46.58	-0.019	20	0.36	58.114	16	33.6	46.27	16	33.6	G0 M	13B	12217	J -2915323
48		8.8R	43 1.219	0.0003	15	-26 31 38.73	-0.012	15	0.29	1.214	16	33.6	38.53	16	33.6	G5 J	14	13025	E -2613452
49		9.0A	43 4.585	0.0019	20	-21 14 46.57	-0.101	15	0.33	4.554	16	33.6	44.91	16	33.6	G0 J	13A	7882	A -21 5133
50		9.1R	43 7.374	0.0014	17	-29 57 33.09	-0.027	17	0.31	7.351	16	33.6	32.63	16	33.6	G5 M	13B	12220	J -3016176
51		8.2T	18 43 8.439	-0.0056	15	-27 23 58.20	-0.059	15	0.76	8.719	17	00.1	55.31	18	01.2	G0	GC	25681K	C*-2713181
52		9.3R	43 10.568	0.0024	20	-29 30 19.14	0.039	20	0.36	10.529	16	33.6	19.77	16	33.6	K M	13B	12222	J -2915333
53		8.5R	43 15.713	-0.0004	17	-29 34 37.96	-0.051	17	0.31	15.720	16	33.6	37.13	16	33.6	F8 J	13B	12224	J -2915335
54		9.2R	43 18.815	0.0018	20	-28 56 34.21	0.018	20	0.36	18.785	16	33.6	34.50	16	33.6	A2 J	13B	12225	J -2915336
55		5.8T	43 19.678	0.0022	03	-22 26 46.86	0.000	03	0.14	19.581	06	06.7	46.87	06	05.9	K2	GC	25687K	B*-22 4854
56		9.1R	43 20.137	-0.0004	18	-23 57 43.42	-0.006	18	0.34	20.144	16	33.6	43.32	16	33.6	F2 J	14	13026	E -2414684
57		9.4R	43 20.439	0.0009	18	-27 20 17.12	-0.031	18	0.34	20.424	16	33.6	16.61	16	33.6	G5 M	13B	12227	J -2713188
58		9.3R	43 22.610	-0.0006	18	-23 17 52.76	-0.018	18	0.34	22.620	16	33.6	52.46	16	33.6	B M	14	13028	E -2314703
59		9.3R	43 27.919	0.0015	18	-25 5 16.03	-0.047	18	0.34	27.894	16	33.6	15.26	16	33.6	G5 M	14	13029	E -2513421
60		8.8R	43 31.178	-0.0008	15	-21 59 22.98	0.003	15	0.29	31.192	16	33.6	23.04	16	33.6	K2 J	14	13030	E -2213277
61		8.5R	43 32.436	-0.0047	12	-29 33 18.45	-0.148	12	0.25	32.513	16	33.6	16.01	16	33.6	G0 J	13B	12229	J -2915343
62		8.7A	43 33.617	-0.0001	20	-20 16 15.07	-0.020	15	0.33	33.619	16	33.6	14.74	16	33.6	K0 J	13A	7887	A -20 5262
63		6.8T	43 36.296	-0.0014	10	-29 41 8.33	-0.029	09	0.50	36.367	12	00.6	6.79	12	97.8	MB	GC	25702	C -2915345
64		9.4R	43 39.063	-0.0022	21	-27 3 59.81	0.033	21	0.38	39.100	16	33.6	+ 0.35	16	33.6	G5 M	13B	12233	J -2713195
65		9.3R	43 46.619	0.0006	18	-23 9 17.18	0.012	18	0.34	46.608	16	33.6	17.38	16	33.6	A2 J	14	13032	E -2314708
66		8.9R	43 48.499	0.0016	18	-23 40 42.52	-0.003	18	0.34	48.473	16	33.6	42.47	16	33.6	A0 J	14	13033	E -2314709
67		8.9R	43 48.571	0.0019	12	-24 58 17.64	0.027	12	0.25	48.540	16	33.6	18.08	16	33.6	K2 J	14	13031	E -2513427
68		9.0R	43 54.720	0.0013	12	-29 9 49.81	0.027	12	0.25	54.633	16	33.6	50.25	16	33.6	G5 M	13B	12237	J -2915350
69		9.4R	43 54.764	0.0001	20	-29 58 7.47	-0.029	20	0.36	54.763	16	33.6	7.00	16	33.6	F8 M	13B	12236	J -3016204
70		8.5R	43 54.909	-0.0004	18	-22 38 17.59	-0.009	18	0.34	54.916	16	33.6	17.44	16	33.6	A0 J	14	13036	E -2213284
71		9.1R	43 55.137	0.0005	18	-23 3 36.89	0.003	18	0.34	55.129	16	33.6	36.94	16	33.6	K2 M	14	13035	E -2314711
72		8.5R	43 57.166	0.0021	18	-22 20 52.46	0.003	18	0.34	57.131	16	33.6	52.51	16	33.6	B9 J	14	13037	E -2213285
73		8.8A	44 0.118	0.0037	20	-20 31 14.56	-0.002	15	0.33	0.057	16	33.6	14.53	16	33.6	K2 J	13A	7891	A -20 5264
74		8.9R	44 3.730	-0.0032	22	-23 14 52.32	-0.020	22	0.40	3.783	16	33.6	51.99	16	33.6	K5 J	14	13039	E -2314715
75		9.0R	44 4.751	-0.0010	18	-26 16 11.33	-0.041	18	0.34	4.768	16	33.6	10.66	16	33.6	G0 J	14	13038	E -2613468
76		9.1A	44 7.020	0.0004	20	-20 27 2.48	-0.001	15	0.33	7.013	16	33.6	2.46	16	33.6	A0 J	13A	7892	A -20 5265
77		9.1R	44 10.688	0.0018	15	-26 28 33.13	-0.006	15	0.29	10.658	16	33.6	33.03	16	33.6	K2 J	14	13040	E -2613470
78		9.0R	44 11.142	0.0001	18	-22 49 18.02	-0.024	18	0.34	11.140	16	33.6	17.62	16	33.6	F5 J	14	13042	E -2213287
79		9.4R	44 12.960	0.0006	18	-23 23 37.89	-0.015	18	0.34	12.951	16	33.6	37.64	16	33.6	G5 M	14	13044	E -2314718
80		9.0R	44 13.194	-0.0005	12	-25 16 16.62	-0.000	12	0.25	13.202	16	33.6	16.61	16	33.6	G0 J	14	13041	E -2513431
81		9.2R	44 15.148	0.0043	18	-27 24 23.70	-0.059	18	0.34	15.078	16	33.6	22.73	16	33.6	K0 J	13B	12241	J -2713207
82		9.1R	44 16.955	0.0009	18	-26 43 0.25	0.010	18	0.34	16.940	16	33.6	0.41	16	33.6	K2 M	14	13043	E -2613473
83		9.2A	44 22.534	0.0008	20	-21 11 35.70	-0.016	15	0.33	22.521	16	33.6	35.43	16	33.6	A0 J	13A	7893	A -21 5137
84		8.0R	44 27.970	-0.0009	15	-24 22 31.77	0.011	15	0.29	27.985	16	33.6	31.95	16	33.6	K0 J	14	13046	E -2414706
85		9.0R	44 27.993	0.0007	15	-24 34 14.13	0.018	15	0.29	27.982	16	33.6	14.42	16	33.6	A2 J	14	13045	E -2414705
86		7.2T	44 28.095	0.0013	08	-28 20 6.65	-0.001	07	0.41	28.029	10	99.3	6.59	12	97.3	B9	GC	25728	C -2814997
87		8.6R	44 30.320	0.0000	15	-27 48 20.46	-0.065	15	0.29	30.320	16	33.6	19.39	16	33.6	F8 J	13B	12243	J -2713211
88		9.5R	44 42.089	-0.0003	20	-23 9 28.76	0.008	20	0.36	42.094	16	33.6	28.89	16	33.6	A0 M	14	13048	E -2314724
89		8.7R	44 44.822	0.0024	18	-26 1 31.16	-0.033	18	0.34	44.783	16	33.6	30.62	16	33.6	G5 J	14	13047	E -2613480
90		8.5R	44 47.623	0.0023	18	-27 8 29.78	0.046	18	0.34	47.585	16	33.6	30.53	16	33.6	B8 J	13B	12244	J -2713219
91		9.1R	44 51.021	0.0001	12	-28 29 39.55	0.075	12	0.25	51.019	16	33.6	40.78	16	33.6	A0 J	13B	12246	J -2815004
92		8.9R	44 51.464	-0.0022	15	-22 13 37.14	-0.075	15	0.29	51.501	16	33.6	35.92	16	33.6	G0 J	14	13049	E -2213297
93		8.5R	44 53.524	0.0007	18	-23 18 46.82	0.022	18	0.34	53.512	16	33.6	47.18	16	33.6	A2 J	14	13050	E -2314726
94		6.9T	44 54.037	0.0006	05	-20 19 49.29	-0.003	05	0.29	54.327	10	00.7	49.11	12	96.9	B9	GC	25739	-20 5268
95		8.9R	44 54.904	-0.0025	12	-27 56 32.15	-0.016	12	0.25	54.946	16	33.6	31.89	16	33.6	F8 J	13B	12248	J -2815008
96		9.5R	44 57.348	0.0012	22	-24 23 36.79	-0.035	22	0.40	57.329	16	33.6	36.22	16	33.6	K0 M	14	13051	E -2414712
97		9.3A	44 57.867	-0.0010	20	-21 1 8.83	-0.001	15	0.33	57.883	16	33.6	8.81	16	33.6	A0 J	13A	7899	A -21 5138
98		9.2R	44 58.845	0.0007	18	-24 25 44.77	0.013	18	0.34	58.834	16	33.6	44.99	16	33.6	A0 J	14	13052	E -2414714
99		9.1R	44 59.489	0.0010	18	-27 29 10.64	-0.048	18	0.34	59.473	16	33.6	9.85	16	33.6	B9 J	13B	12249	J -2713223
00		9.1R	45 0.467	0.0035	18	-23 31 59.36	-0.005	18	0.34	0.410	16	33.6	59.28	16	33.6	K5 M	14	13053	E -2314728

187300			EPOCH 1950							ORIGINAL EPOCH						SP.	SOURCE		-20° 18H
NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.		CAT.	STAR NUMBER	DM NUMBER
1		8.6R	18 45 5.985	0.0017	18	-24 49 43.97	-0.019	18	0.34	5.956	16	33.6	43.65	16	33.6	A2 J	14	13054	E -2414715
2		9.0R	45 10.602	0.0010	18	-22 57 33.60	0.005	18	0.34	10.586	16	33.6	33.68	16	33.6	K M	14	13055	E -2314730
3		8.6R	45 13.715	-0.0019	20	-22 27 56.09	0.004	20	0.36	13.747	16	33.6	56.16	16	33.6	K5 J	14	13057	E -2213300
4		9.7R	45 15.900	-0.0015	21	-26 36 10.51	-0.034	21	0.38	15.924	16	33.6	9.95	16	33.6	G5 M	14	13056	E -2613488
5		9.1R	45 24.831	0.0056	12	-29 46 20.57	0.008	12	0.25	24.739	16	33.6	20.71	16	33.6	A0 J	13B	12252	J -2915374
6		9.3R	45 26.546	-0.0039	15	-22 8 13.62	-0.007	15	0.29	26.610	16	33.6	13.51	16	33.6	G0 J	14	13058	E -2213302
7		8.9R	45 35.658	-0.0000	18	-23 16 17.24	0.045	18	0.34	35.658	16	33.6	17.98	16	33.6	M1 M	14	13060	E -2314733
8		8.5R	45 36.248	0.0035	12	-26 54 32.11	-0.029	12	0.25	36.191	16	33.6	31.63	16	33.6	A3 J	14	13059	E -2613492
9		9.0R	45 51.038	-0.0000	17	-28 26 24.16	0.047	17	0.31	51.039	16	33.6	24.93	16	33.6	F8 J	13B	12258	J -2815023
10		8.1Q	45 52.751	-0.0004	09	-20 12 38.74	-0.014	08	0.45	52.770	18	03.4	38.03	18	00.7	B8	GC	25762	-20 5272
11		8.5R	46 1.755	0.0019	18	-26 27 37.86	-0.021	18	0.34	1.724	16	33.6	37.52	16	33.6	G5 J	14	13063	E -2613501
12		9.3R	46 4.835	0.0023	18	-27 9 50.90	-0.010	18	0.34	4.798	16	33.6	50.75	16	33.6	A2 J	13B	12262	J -2713239
13		8.8R	46 8.568	0.0022	18	-27 47 4.53	-0.056	18	0.34	8.533	16	33.6	3.61	16	33.6	K0 J	13B	12263	J -2713241
14		8.5R	46 13.647	-0.0002	12	-28 20 37.07	0.007	12	0.25	13.649	16	33.6	37.18	16	33.6	K0 J	13B	12264	J -2815033
15		9.3R	46 25.733	-0.0021	21	-24 27 34.71	0.002	21	0.38	25.768	16	33.6	34.74	16	33.6	F5 J	14	13064	E -2414739
16		9.4R	46 27.034	0.0070	20	-29 59 20.38	-0.019	20	0.36	26.919	16	33.6	20.07	16	33.6	K0 M	13B	12267	J -3016272
17		8.5R	46 27.042	0.0004	18	-24 35 57.31	0.012	18	0.34	27.035	16	33.6	57.50	16	33.6	A0 J	14	13065	E -2414737
18		7.8T	46 29.509	0.0013	09	-27 10 57.67	0.023	09	0.55	29.439	17	94.8	58.97	18	93.3	A0	GC	25778	C -2713248
19		8.8R	46 30.534	0.0015	18	-27 39 41.31	-0.137	18	0.34	30.510	16	33.6	39.06	16	33.6	K2 J	13B	12272	J -2713247
20		9.6R	46 31.666	-0.0046	21	-26 36 18.84	-0.033	21	0.38	31.742	16	33.6	18.30	16	33.6	K5 M	14	13066	E -2613512
21		8.7R	46 34.696	0.0018	12	-25 40 16.30	0.006	12	0.25	34.666	16	33.6	16.40	16	33.6	K2 J	14	13067	E -2513458
22		9.4R	46 36.494	0.0006	15	-25 41 34.16	-0.017	15	0.29	36.484	16	33.6	33.88	16	33.6	G M	14	13068K	E -2513459
23		9.3R	46 38.421	-0.0015	13	-29 47 25.76	-0.000	13	0.27	38.446	16	33.6	25.75	16	33.6	B9 J	13B	12273	J -2915394
24		5.4T	46 42.082	0.0003	02	-20 22 59.81	0.036	03	0.14	42.078	06	02.3	+ 1.46	07	03.6	K0	GC	25785K	B*-20 5277
25		8.9R	46 47.328	0.0001	15	-23 25 13.61	-0.032	15	0.29	47.327	16	33.6	13.08	16	33.6	K0 J	14	13069	E -2314744
26		8.8A	46 49.167	-0.0010	20	-20 4 7.92	0.009	15	0.33	49.183	16	33.6	8.06	16	33.6	F8 J	13A	7917	A -20 5278
27		8.6R	46 53.235	-0.0007	15	-26 0 19.42	0.029	15	0.29	53.245	16	33.6	19.90	16	33.6	G5 J	14	13070	E -2613520
28		9.5R	47 5.902	-0.0034	18	-26 51 21.08	0.007	00	0.26	5.958	16	33.6	21.19	16	33.6	A2 J	14	13071	E -2613523
29		8.1R	47 7.803	-0.0000	20	-24 41 51.75	0.012	20	0.36	7.803	16	33.6	51.94	16	33.6	G5 J	14	13072	E -2414750
30		9.3R	47 8.869	0.0012	18	-25 10 49.06	-0.009	18	0.34	8.850	16	33.6	48.90	16	33.6	G0 J	14	13073	E -2513465
31		7.4T	47 10.614	-0.0006	10	-22 54 25.89	-0.023	09	0.56	10.646	18	98.0	24.53	18	91.6	G5	GC	25809	-2213325
32		7.7R	47 12.550	0.0019	17	-28 40 0.33	0.004	17	0.31	12.519	16	33.6	0.39	16	33.6	G5 J	13B	12279	J -2815055
33		9.4R	47 16.645	0.0019	18	-25 13 22.89	0.026	18	0.34	16.614	16	33.6	23.32	16	33.6	G5 M	14	13075	E -2513469
34		9.4R	47 20.226	0.0019	18	-26 30 24.78	0.086	18	0.34	20.195	16	33.6	26.19	16	33.6	G5 M	14	13076	E -2613529
35		9.3R	47 25.869	0.0040	17	-28 51 20.44	0.027	17	0.31	25.803	16	33.6	20.88	16	33.6	F2 J	13B	12282	J -2815062
36		7.2T	47 30.732	-0.0003	08	-26 49 45.94	-0.026	07	0.40	30.747	10	00.8	44.61	10	98.9	A2	GC	25820K	C -2613535
37		9.0R	47 34.254	0.0001	18	-22 52 50.93	0.029	18	0.34	34.253	16	33.6	51.40	16	33.6	B9 J	14	13080	E -2213333
38		9.0R	47 37.295	0.0007	20	-26 23 55.32	0.001	20	0.36	37.283	16	33.6	55.34	16	33.6	A2 J	14	13079	E -2613539
39		8.1T	47 39.528	0.0000	11	-22 19 32.46	-0.004	09	0.54	39.526	19	00.2	32.26	17	97.3	K0	GC	25825	-22 4880
40	10.7	9.5W	47 44.046	0.0005	21	-29 59 54.05	0.060	21	0.44	44.038	22	31.7	54.97	21	31.7	K L	C7	10218	C -3016309
41		9.2R	47 44.118	-0.0004	20	-26 54 7.76	0.002	20	0.36	44.124	16	33.6	7.79	16	33.6	F0 J	14	13081	E -2613540
42		6.2H	47 50.126	-0.0017	02	-22 13 16.17	-0.030	02	0.06	50.189	03	12.9	15.13	03	15.7	F0	F4	1493	-22 4881
43		9.0R	47 54.190	0.0042	20	-28 49 48.70	-0.010	20	0.36	54.121	16	33.6	48.53	16	33.6	K0 M	13B	12287	J -2815072
44		8.7R	47 54.316	-0.0007	18	-23 39 35.81	0.077	18	0.34	54.327	16	33.6	37.08	16	33.6	G0 J	14	13085	E -2314758
45		9.2R	47 54.463	0.0093	18	-24 34 9.44	0.019	18	0.34	54.311	16	33.6	9.75	16	33.6	G0 J	14	13084	E -2414761
46		8.9R	47 54.730	0.0013	15	-27 34 35.52	-0.029	15	0.29	54.709	16	33.6	35.06	16	33.6	K0 J	13B	12288	J -2713279
47		9.1R	47 55.773	-0.0014	18	-22 38 30.46	0.005	18	0.34	55.797	16	33.6	30.54	16	33.6	G0 J	14	13086	E -2213341
48		9.4R	47 58.277	-0.0002	18	-22 41 30.97	0.017	18	0.34	58.280	16	33.6	31.25	16	33.6	G5 M	14	13087	E -2213342
49	7.6I		48 1.973	0.0011	09	-20 21 18.67	-0.028	09	0.51	1.916	21	98.3	17.22	21	98.8	G0	GC	25842X	B*-20 5286
50		9.0R	48 3.396	0.0022	18	-27 46 25.62	-0.070	18	0.34	3.360	16	33.6	24.47	16	33.6	A0 J	13B	12291	J -2713281
51		9.2R	18 48 3.458	0.0034	20	-27 2 49.98	-0.005	20	0.36	3.402	16	33.6	49.90	16	33.6	B8 J	13B	12293	J -2713282
52		9.0R	48 4.170	-0.0020	20	-27 58 37.46	0.061	20	0.36	4.203	16	33.6	38.46	16	33.6	K0 M	13B	12292	J -2815076
53		8.6R	48 4.451	-0.0007	18	-23 6 39.85	-0.046	18	0.34	4.462	16	33.6	39.09	16	33.6	K0 J	14	13090	E -2314760
54		9.0R	48 4.799	0.0019	17	-29 28 49.57	-0.001	17	0.31	4.767	16	33.6	49.55	16	33.6	K5 J	13B	12290	J -2915422
55		8.7R	48 5.224	0.0020	18	-24 26 49.92	-0.026	18	0.34	5.192	16	33.6	49.50	16	33.6	B9 J	14	13089	E -2414762
56		8.7R	48 5.824	0.0019	20	-26 4 40.76	0.040	20	0.36	5.792	16	33.6	41.41	16	33.6	G5 J	14	13088	E -2613546
57		9.3R	48 7.666	0.0008	18	-25 3 9.43	-0.001	18	0.34	7.653	16	33.6	9.40	16	33.6	A2 J	14	13091	E -2513482
58		7.6Q	48 8.529	0.0016	09	-20 21 35.91	-0.014	11	0.54	8.448	21	99.3	35.23	21	02.3	B9	GC	25844	-20 5288
59		9.1R	48 11.839	-0.0001	20	-26 47 00.00	-0.007	20	0.36	11.840	16	33.6	+ 0.11	16	33.6	A2 J	14	13092	E -2613547
60		8.6R	48 16.575	0.0014	18	-25 15 10.76	-0.018	18	0.34	16.553	16	33.6	10.45	16	33.6	K0 J	14	13093	E -2513486
61		8.6R	48 18.477	-0.0016	21	-22 4 42.63	0.023	21	0.38	18.503	16	33.6	43.02	16	33.6	K0 J	14	13094	E -2213350
62		8.9R	48 18.997	-0.0023	21	-22 4 37.23	-0.018	21	0.38	19.036	16	33.6	36.94	16	33.6	K0 J	14	13095	E -2213350
63		7.4T	48 19.181	0.0004	10	-27 13 25.81	-0.025	08	0.52	19.161	17	97.1	24.44	15	95.5	K0	GC	25849	C -2713284
64		8.6R	48 22.852	0.0005	18	-22 23 15.48	-0.003	18	0.34	22.845	16	33.6	15.44	16	33.6	A0 J	14	13096	E -2213354
65		8.1R	48 30.710	0.0013	18	-24 25 6.50	-0.033	18	0.34	30.689	16	33.6	5.96	16	33.6	G5 J	14	13097	E -2414767
66		9.4R	48 31.374	-0.0028	22	-23 11 29.33	0.001	22	0.40	31.421	16	33.6	29.34	16	33.6	F0 M	14	13098	E -2314766
67		9.2R	48 32.992	0.0042	17	-29 22 39.20	-0.018	17	0.31	32.923	16	33.6	38.90	16	33.6	F8 J	13B	12299	J -2915432
68		9.0A	48 38.465	0.0001	20	-20 57 45.87	-0.015	15	0.33	38.462	16	33.6	45.62	16	33.6	B9 J	13A	7939	A -21 5161
69		8.8R	48 42.445	-0.0026	18	-21 55 7.20	0.008	18	0.34	42.487	16	33.6	7.34	16	33.6	A0 J	14	13100	E -2213359
70		8.4R	48 45.398	-0.0010	17	-28 15 33.96	-0.058	17	0.31	45.415	16	33.6	33.01	16	33.6	G5 J	13B	12301	J -2815089
71		8.6R	48 46.115	0.0029	17	-28 23 17.01	0.027	17	0.31	46.068	16	33.6	17.45	16	33.6	G5 J	13B	12302	J -2815090
72		8.2R	48 48.032	0.0011	18	-24 42 53.47	-0.021	18	0.34	48.013	16	33.6	53.12	16	33.6	K0 J	14	13101	E -2414772
73		9.4R	48 48.721	-0.0007	15	-26 46 15.01	-0.013	15	0.29	48.733	16	33.6	14.79	16	33.6	A0 J	14	13099	E -2613555
74		9.3R	48 49.311	0.0002	18	-27 11 55.87	-0.023	18	0.34	49.307	16	33.6	55.49	16	33.6	B5 J	13B	12303	J -2713296
75		8.9A	48 51.018	0.0006	20	-20 55 15.43	-0.033	15	0.33	51.009	16	33.6	14.89	16	33.6	F8 J	13A	7942	A -21 5164
76		9.0A	48 51.628	-0.0001	20	-21 35 8.11	0.024	15	0.33	51.830	16	33.6	8.51	16	33.6	G5 J	13A	7941	A -21 5163
77		9.1R	48 51.947	0.0018	17	-28 46 41.10	-0.035	17	0.31	51.917	16	33.6	40.52	16	33.6	G5 M	13B	12304	J -2815091
78		9.3R	48 58.908	-0.0021	15	-23 25 53.92	0.045	15	0.29	58.943	16	33.6	54.66	16	33.6	A5 J	14	13103	E -2314772
79		8.6A	49 3.226	0.0027	20	-20 26 10.34	0.006	15	0.33	3.181	16	33.6	10.44	16	33.6	A0 J	13A	7943	A -20 5295
80		8.9A	49 6.169	-0.0006	20	-20 8 4.92	-0.010	15	0.33	6.178	16	33.6	4.75	16	33.6	A0 J	13A	7947	A -20 5299
81		6.7T	49 8.140	0.0007	04	-21 58 54.68	-0.043	04	0.22	8.005	09	00.6	52.57	09	00.7	A2	GC	25867	B*-22 4892
82		9.2R	49 8.630	0.0030	15	-25 24 39.30	0.038	15	0.29	8.581	16	33.6	39.92	16	33.6	G5 J	14	13104	E -2513495
83		9.1R	49 10.655	-0.0004	18	-22 15 50.61	0.012	18	0.34	10.662	16	33.6	50.82	16	33.6	G5 J	14	13106	E -2213365
84		9.3R	49 16.120	-0.0002	15	-24 3 58.51	-0.015	15	0.29	16.124	16	33.6	58.27	16	33.6	B9 J	14	13107	E -2414778
85		8.3A	49 18.538	-0.0007	18	-20 22 32.50	-0.008	13	0.30	18.549	16	33.6	32.36	16	33.6	B9 J	13A	7949	A -20 5301
86		9.5R	49 19.025	0.0003	18	-25 2 50.14	-0.005	18	0.34	19.020	16	33.6	50.06	16	33.6	F0 J	14	13108	E -2513498
87		9.2A	49 20.985	-0.0010	20	-20 57 25.20	0.000	15	0.33	21.001	16	33.6	25.20	16	33.6	K0 J	13A	7950	A -21 5166
88		6.3T	49 21.871	0.0010	12	-26 42 39.69	-0.046	10	0.61	21.820	18	98.1	37.11	18	94.1	G5	GC	25876	C -2613562
89		6.3T	49 26.508	-0.0001	07	-29 26 25.74	-0.039	06	0.29	26.511	07	08.0	24.06	07	07.2	K0	GC	25880	C -2915449
90		9.1R	49 29.345	0.0016	18	-22 56 12.50	-0.017	18	0.34	29.319	16	33.6	12.22	16	33.6	K M	14	13110	E -2314779
91		9.0R	49 32.917	0.0013	18	-22 37 2.82	-0.014	18	0.34	32.896	16	33.6	2.59	16	33.6	K J	14	13111	E -2213372
92		8.6R	49 35.235	0.0031	17	-28 47 28.20	0.005	17	0.31	35.184	16	33.6	28.28	16	33.6	F2 J	13B	12313	J -2815103
93		8.6R	49 37.786	0.0013	18	-22 21 52.15	-0.010	18	0.34	37.765	16	33.6	51.99	16	33.6	F5 J	14	13113	E -2213376
94		8.6A	49 37.837	0.0020	20	-20 35 40.12	0.014	15	0.33	37.804	16	33.6	40.35	16	33.6	K2 J	13A	7952	A -20 5307
95		8.9A	49 44.595	0.0003	20	-20 18 2.42	-0.011	15	0.33	44.589	16	33.6	2.23	16	33.6	B8 J	13A	7954	A -20 5308
96		8.6R	49 45.121	0.0001	18	-22 27 13.78	-0.007	18	0.34	45.120	16	33.6	13.67	16	33.6	K5 J	14	13114	E -2213377
97		8.9R	49 45.139	-0.0016	17	-28 37 43.49	-0.063	17	0.31	45.165	16	33.6	42.45	16	33.6	G0 M	13B	12317	J -2815105
98		8.1T	49 49.848	0.0006	17	-28 12 23.66	0.013	17	0.85	49.818	17	00.6	24.28	18	01.4	K0	GC	25888	C -2815107
99		8.3R	49 51.278	-0.0022	18	-26 27 8.75	0.041	18	0.34	51.314	16	33.6	9.42	16	33.6	K0 J	14	13115	E -2613567
00		9.2R	49 52.314	0.0018	15	-24 56 48.10	0.110	15	0.29	52.284	16	33.6	49.90	16	33.6	G0 J	14	13116	E -2513505

187400

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.		SOURCE CAT.	SOURCE STAR NUMBER	-20° 18H DM NUMBER
1		9.0A	18 49 54.979	-0.0016	20	-20 34 41.33	-0.013	15	0.33	55.006	16	33.6	41.11	16	33.6	B9	J	13A	7955	A -20 5310
2		9.0R	49 56.265	0.0007	18	-22 28 10.71	0.015	18	0.34	56.253	16	33.6	10.97	16	33.6	B9	J	14	13117	E -2213382
3		7.4T	49 59.511	-0.0001	10	-27 49 7.93	0.026	09	0.49	59.516	12	98.9	9.28	12	97.8	A5		GC	25859K	C*-2713319
4		8.5R	50 8.340	0.0013	18	-23 25 44.38	-0.001	18	0.34	8.319	16	33.6	44.36	16	33.6	K2	J	14	13118	E -2314794
5		9.0R	50 10.838	0.0053	20	-29 6 25.36	0.026	20	0.36	10.750	16	33.6	25.78	16	33.6	F5	J	13B	12323	J -2915464
6		9.2R	50 13.827	0.0011	17	-27 10 26.09	-0.003	17	0.31	13.808	16	33.6	26.04	16	33.6	G5	J	13B	12327	J -2713323
7	11.2	9.7W	50 15.205	0.0037	21	-29 58 36.07	0.016	21	0.44	15.138	22	31.7	36.37	21	31.7			C7	10252	C -3016377
8		8.5R	50 18.612	-0.0008	18	-24 38 44.63	-0.000	18	0.34	18.625	16	33.6	44.62	16	33.6	B9	J	14	13119	E -2414798
9		9.0A	50 19.930	0.0005	20	-21 47 15.16	-0.037	15	0.33	19.922	16	33.6	14.56	16	33.6	A2	J	13A	7960	A -21 5170
10		9.2A	50 23.255	0.0010	20	-21 22 43.91	0.034	15	0.33	23.238	16	33.6	44.47	16	33.6	A0	J	13A	7961	A -21 5171
11		8.5R	50 23.588	0.0001	18	-24 3 14.40	-0.015	18	0.34	23.586	16	33.6	14.16	16	33.6	F0	J	14	13120	E -2414800
12		9.3R	50 25.955	0.0024	18	-22 56 6.11	-0.022	18	0.34	25.916	16	33.6	5.75	16	33.6	K5	M	14	13121	E -2314800
13		9.4R	50 28.441	0.0013	18	-22 58 4.25	-0.010	18	0.34	28.420	16	33.6	4.09	16	33.6	G5	M	14	13123	E -2314802
14		9.4R	50 30.490	0.0019	15	-25 39 41.13	-0.008	18	0.31	30.458	16	33.6	41.00	16	33.6	G5	M	14	13122	E -2513510
15		9.1R	50 33.117	0.0006	17	-28 47 58.58	0.027	17	0.31	33.107	16	33.6	59.02	16	33.6	G0	J	13B	12331	J -2815119
16		8.6A	50 39.526	0.0008	20	-21 6 51.15	-0.012	15	0.33	39.512	16	33.6	50.95	16	33.6	F5	J	13A	7966	A -21 5173
17		9.3R	50 44.352	0.0005	18	-26 41 30.18	0.015	18	0.34	44.344	16	33.6	30.42	16	33.6	K2	M	14	13124	E -2613577
18		8.7R	50 46.286	-0.0006	18	-23 5 47.59	0.003	18	0.34	46.296	16	33.6	47.64	16	33.6	K	M	14	13125	E -2314804
19		9.2A	50 53.832	-0.0019	20	-20 1 14.94	-0.019	15	0.33	53.862	16	33.6	14.63	16	33.6	A0	J	13A	7970	A -20 5317
20		8.6R	50 54.994	-0.0034	17	-28 40 22.93	-0.002	17	0.31	55.050	16	33.6	22.90	16	33.6	F8	J	13B	12335	J -2815126
21		8.5R	50 57.466	0.0048	12	-29 8 44.64	0.020	12	0.25	57.387	16	33.6	44.97	16	33.6	K0	J	13B	12336	J -2915478
22		5.7T	51 0.802	0.0005	04	-21 25 21.85	-0.015	04	0.22	0.778	07	03.0	21.13	09	02.2	K0		GC	25914	B*-21 5176
23		9.0A	51 1.315	-0.0062	20	-21 53 55.46	-0.056	15	0.33	1.417	16	33.6	54.55	16	33.6	A0	J	13A	7972	A -22 4905
24		9.4R	51 4.237	0.0010	18	-22 59 47.25	0.003	18	0.34	4.221	16	33.6	47.30	16	33.6	K0	J	14	13126	E -2314810
25		8.0R	51 6.921	0.0006	18	-22 38 1.02	0.017	18	0.34	6.912	16	33.6	1.30	16	33.6	B8	J	14	13127	E -2213397
26		5.0T	51 9.064	0.0007	02	-22 48 29.54	-0.010	02	0.13	9.032	06	03.4	29.03	06	00.5	G5		GC	25918K	B*-22 4907
27		9.0A	51 10.948	-0.0010	20	-20 59 44.27	-0.011	15	0.33	10.964	16	33.6	44.09	16	33.6	B9	J	13A	7974	A -21 5177
28		8.9R	51 11.982	-0.0176	18	-22 57 59.56	-0.602	18	0.34	12.271	16	33.6	49.68	16	33.6	G5	J	14	13129	E -2314813
29		8.4R	51 14.320	0.0058	18	-22 45 2.67	-0.007	18	0.34	14.224	16	33.6	2.56	16	33.6	F5	J	14	13130	E -2213401
30		8.7R	51 18.542	0.0003	18	-27 53 49.54	-0.069	18	0.34	18.538	16	33.6	48.41	16	33.6	F0	J	13B	12339	J -2713341
31		7.5R	51 18.943	0.0008	18	-24 49 56.93	-0.004	18	0.34	18.929	16	33.6	56.86	16	33.6	B8	J	14	13131	E -2414816
32		7.8R	51 25.935	-0.0000	17	-28 46 3.50	-0.016	17	0.31	25.935	16	33.6	3.24	16	33.6	K2	J	13B	12343	J -2815136
33		8.8R	51 26.092	-0.0009	12	-23 47 3.24	0.019	12	0.25	26.107	16	33.6	3.55	16	33.6	A0	J	14	13132	E -2314814
34		9.3R	51 26.707	0.0011	15	-23 7 22.05	-0.024	15	0.29	26.689	16	33.6	21.66	16	33.6	K2	M	14	13134	E -2314815
35		9.2R	51 28.495	0.0002	18	-22 2 45.30	0.008	18	0.34	28.492	16	33.6	45.44	16	33.6	K0	M	14	13136	E -2213407
36		9.3R	51 28.715	0.0012	18	-23 2 19.23	-0.003	18	0.34	28.695	16	33.6	19.18	16	33.6	A5	M	14	13135	E -2314817
37		9.5R	51 30.749	0.0091	15	-22 38 27.53	-0.325	15	0.29	30.600	16	33.6	22.20	16	33.6	G5	M	14	13137	E -2213408
38		7.8T	51 31.158	-0.0011	12	-26 57 13.61	0.007	10	0.57	31.214	14	99.5	13.97	15	97.6	B8		GC	25924	C -2713348
39		9.0R	51 32.231	0.0031	18	-22 20 11.96	-0.060	18	0.34	32.180	16	33.6	10.98	16	33.6	G5	J	14	13138	E -2213409
40		9.2R	51 33.740	-0.0029	18	-22 47 28.45	-0.015	18	0.34	33.788	16	33.6	28.20	16	33.6	K0	M	14	13139	E -2213410
41		9.0R	51 39.840	0.0003	20	-25 21 22.44	-0.001	20	0.36	39.836	16	33.6	22.41	16	33.6	A0	J	14	13140	E -2513526
42		9.2R	51 48.470	-0.0006	20	-29 45 14.03	0.056	20	0.36	48.480	16	33.6	14.95	16	33.6	G5	M	13B	12346	J -2915501
43		9.0R	51 52.860	0.0001	18	-22 1 4.24	0.006	18	0.34	52.859	16	33.6	4.35	16	33.6	A0	J	14	13141	E -2213417
44		8.8A	52 0.248	0.0019	20	-20 21 45.68	0.001	15	0.33	0.216	16	33.6	45.69	16	33.6	K2	J	13A	7981	A -20 5328
45		5.0T	52 5.766	0.0074	03	-22 44 8.19	-0.026	03	0.18	5.398	07	00.2	6.79	07	96.5	K0		GC	25939	B*-22 4915
46		8.8R	52 5.772	0.0033	20	-26 44 1.00	0.030	20	0.36	5.718	16	33.6	1.49	16	33.6	M0	M	14	13142	E -2613594
47		9.4R	52 7.181	-0.0004	18	-24 4 57.95	-0.031	18	0.34	7.187	16	33.6	57.44	16	33.6	K5	J	14	13145	E -2414830
48		2.1H	52 9.927	0.0010	01	-26 21 38.29	-0.054	01	0.05	9.887	02	12.0	36.24	03	12.0	B3		F4	706	C -2613595
49		8.5R	52 11.405	0.0026	20	-28 36 41.38	0.002	20	0.36	11.361	16	33.6	41.41	16	33.6	F5	J	13B	12349	J -2815152
50		8.5A	52 13.919	0.0008	20	-20 19 17.40	-0.012	15	0.33	13.905	16	33.6	17.20	16	33.6	A0	J	13A	7983	A -20 5329
51		8.7R	18 52 13.925	0.0014	12	-28 50 16.61	0.019	12	0.25	13.901	16	33.6	16.92	16	33.6	K2	M	13B	12351	J -2815153
52		6.9T	52 15.825	0.0028	09	-29 16 40.44	-0.003	08	0.48	15.680	15	98.9	40.26	15	98.0	G5		GC	25945	C -2915509
53		9.0A	52 18.908	0.0021	20	-20 54 27.20	0.003	15	0.33	18.874	16	33.6	27.25	16	33.6	A0	J	13A	7984	A -21 5183
54		9.3A	52 25.315	-0.0006	20	-20 58 24.07	-0.024	15	0.33	25.324	16	33.6	23.67	16	33.6	A0	J	13A	7985	A -21 5184
55		9.2R	52 25.813	-0.0005	21	-28 49 28.56	-0.013	21	0.38	25.822	16	33.6	28.35	16	33.6	F8	M	13B	12354	J -2815156
56		9.2R	52 27.160	0.0021	20	-29 39 20.68	-0.039	20	0.36	27.126	16	33.6	20.05	16	33.6	K0	M	13B	12353	J -2915515
57		9.2R	52 31.290	0.0007	18	-22 19 54.27	0.011	18	0.34	31.279	16	33.6	54.46	16	33.6	G0	J	14	13147	E -2213427
58		8.8R	52 31.366	0.0031	15	-25 5 31.62	0.005	15	0.29	31.315	16	33.6	31.70	16	33.6	K2	J	14	13146	E -2513540
59		9.3A	52 40.808	0.0010	20	-20 56 58.97	-0.023	15	0.33	40.791	16	33.6	58.59	16	33.6	A0	J	13A	7989	A -21 5186
60		8.8R	52 42.538	0.0015	12	-26 0 0.75	-0.002	12	0.25	42.513	16	33.6	0.72	16	33.6	G5	J	14	13148	E -2613598
61		7.8A	52 45.189	0.0008	20	-20 4 53.96	0.001	15	0.33	45.175	16	33.6	53.98	16	33.6	A5	J	13A	7990	A -20 5333
62		9.0R	52 48.863	0.0009	20	-27 4 9.32	0.038	20	0.36	48.848	16	33.6	9.94	16	33.6	K5	J	13B	12356	J -2713373
63		7.5R	52 50.223	0.0011	21	-28 11 43.67	0.015	21	0.38	50.205	16	33.6	43.91	16	33.6	F0	J	13B	12355K	J -2815164
64		8.9R	52 55.494	-0.0055	15	-23 48 57.56	0.040	15	0.29	55.585	16	33.6	58.22	16	33.6	F5	J	14	13151	E -2314843
65		7.8R	52 56.084	0.0022	15	-25 6 43.42	0.045	15	0.29	56.049	16	33.6	44.16	16	33.6	G0	J	14	13149	E -2513542
66		9.1R	52 56.894	0.0053	18	-24 50 47.87	-0.055	18	0.34	56.807	16	33.6	46.96	16	33.6	G5	J	14	13150	E -2414839
67		7.1T	52 58.163	0.0015	12	-29 32 32.85	0.000	09	0.55	58.091	14	00.8	32.87	15	99.2	A2		GC	25962	C -2915524
68		5.9T	52 59.022	-0.0001	04	-23 14 20.87	-0.009	04	0.19	59.027	07	05.5	20.45	07	04.9	B8		GC	25963	C -2314844
69		8.8R	53 1.285	0.0005	20	-26 56 8.56	-0.004	20	0.36	1.276	16	33.6	8.49	16	33.6	K5	J	14	13152	E -2713374
70		8.9R	53 6.899	0.0000	15	-24 59 17.53	-0.010	15	0.29	6.898	16	33.6	17.36	16	33.6	A5	J	14	13154	E -2513544
71		8.7R	53 10.424	0.0008	20	-26 46 11.26	0.009	20	0.36	10.410	16	33.6	11.40	16	33.6	G0	J	14	13155	E -2613605
72		8.8R	53 12.331	0.0058	20	-29 45 24.01	-0.063	20	0.36	12.236	16	33.6	22.98	16	33.6	G5	J	13B	12359	J -2915525
73		8.8R	53 14.782	-0.0004	20	-26 11 21.64	-0.009	20	0.36	14.788	16	33.6	21.49	16	33.6	F2	J	14	13156	E -2613608
74		9.1R	53 19.295	0.0025	21	-29 38 16.38	0.003	21	0.38	19.255	16	33.6	16.43	16	33.6	M4	M	13B	12362	J -2915528
75		9.2R	53 19.720	0.0046	20	-27 34 20.88	0.005	20	0.36	19.644	16	33.6	20.96	16	33.6	A0	J	13B	12364	J -2713379
76		9.3R	53 19.952	-0.0064	15	-23 57 5.74	-0.078	15	0.29	20.057	16	33.6	4.46	16	33.6	F5	J	14	13157	E -2414845
77		9.1R	53 23.443	0.0039	20	-27 22 4.36	0.029	20	0.36	23.379	16	33.6	4.83	16	33.6	G0	J	13B	12366	J -2713382
78		8.5R	53 27.000	-0.0012	13	-28 59 24.25	-0.035	13	0.27	27.020	16	33.6	23.67	16	33.6	K0	J	13B	12368	J -2915532
79		9.0R	53 27.464	0.0024	17	-29 27 52.24	-0.049	17	0.31	27.425	16	33.6	51.43	16	33.6	A0	J	13B	12367	J -2915531
80		7.6T	53 32.573	0.0014	09	-23 12 48.64	-0.097	07	0.48	32.499	15	96.2	43.13	15	93.3	F2		GC	25982	C -2314862
81		8.5R	53 38.169	0.0017	18	-27 18 24.88	-0.012	18	0.34	38.142	16	33.6	24.68	16	33.6	A0	J	13B	12372	J -2713388
82		9.1R	53 39.424	0.0011	18	-24 4 7.15	0.008	18	0.34	39.407	16	33.6	7.28	16	33.6	A2	J	14	13160	E -2414850
83		8.0R	53 39.534	0.0011	18	-24 41 12.45	0.012	18	0.34	39.517	16	33.6	12.64	16	33.6	K0	J	14	13159	E -2414849
84		9.2R	53 43.222	-0.0015	18	-26 46 36.05	-0.055	18	0.34	43.246	16	33.6	35.15	16	33.6	F8	J	14	13161	E -2613617
85		8.7R	53 43.687	0.0024	18	-23 19 21.51	0.003	18	0.34	43.648	16	33.6	21.56	16	33.6	A0	J	14	13162	E -2314866
86		9.0R	53 49.174	-0.0005	18	-23 22 0.42	-0.025	18	0.34	49.183	16	33.6	0.01	16	33.6	A3	J	14	13163	E -2314868
87		9.5R	53 51.592	0.0016	20	-29 27 48.66	0.014	20	0.36	51.565	16	33.6	48.89	16	33.6	K0	M	13B	12373	J -2915545
88		9.1R	53 52.180	0.0015	18	-24 25 26.16	0.016	18	0.34	52.156	16	33.6	26.42	16	33.6	A2	J	14	13164	E -2414854
89		8.5R	53 57.968	0.0016	12	-28 10 55.47	0.028	12	0.25	57.943	16	33.6	55.93	16	33.6	G0	J	13B	12374	J -2815187
90		8.5R	54 4.716	0.0001	12	-25 31 54.21	-0.011	12	0.25	4.713	16	33.6	54.03	16	33.6	K5	J	14	13165	E -2513557
91		9.6R	54 6.930	0.0017	18	-23 56 7.50	-0.015	18	0.34	6.903	16	33.6	7.26	16	33.6	A2	J	14	13166	E -2414860
92		9.0R	54 12,136	0.0010	18	-23 51 27.59	0.031	18	0.34	12.120	16	33.6	28.10	16	33.6	G5	J	14	13167	E -2314875
93		9.4R	54 14.960	-0.0015	18	-23 53 38.61	0.034	18	0.34	14.986	16	33.6	39.17	16	33.6	A0	J	14	13168	E -2314876
94		8.9A	54 16.964	-0.0006	20	-20 19 58.95	0.001	15	0.33	16.974	16	33.6	58.97	16	33.6	K2	J	13A	7999	A -20 5338
95		9.4R	54 18,080	-0.0032	18	-24 7 30.10	0.035	18	0.34	18.133	16	33.6	30.67	16	33.6	K	M	14	13169	E -2414866
96		8.2R	54 21.466	0.0022	18	-27 31 17.16	-0.014	18	0.34	21.431	16	33.6	16.93	16	33.6	K5	J	13B	12376	J -2713400
97		8.7R	54 21.809	-0.0004	15	-27 7 22.16	-0.071	15	0.29	21.815	16	33.6	20.99	16	33.6	K2	J	13B	12377	J -2713402
98		5.1T	54 22.208	-0.0001	03	-20 43 24.44	-0.007	03	0.18	22.213	07	99.4	24.07	09	96.2	A0		GC	26012	B*-20 5339
99		9.3R	54 34.684	0.0005	18	-23 16 24.42	0.023	18	0.34	34.676	16	33.6	24.80	16	33.6	A0	J	14	13170	E -2314882
00		8.6R	54 37.434	0.0039	12	-29 46 4.78	0.020	12	0.25	37.370	16	33.6	5.11	16	33.6	K2	J	13B	12378	J -2915557

187500 — EPOCH 1950 — ORIGINAL EPOCH — SOURCE — -20° 18H

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.		CAT.	STAR NUMBER	DM NUMBER
1		9.5R	18 54 37.881	0.0019	18	-23 19 21.55	-0.017	18	0.34	37.850	16	33.6	21.27	16	33.6	G	M	14	13171	E -2314884
2		8.6A	54 37.907	0.0009	20	-21 13 8.36	-0.043	15	0.33	37.892	16	33.6	7.65	16	33.6	AG	J	13A	8001	A -21 5200
3		9.2R	54 39.984	0.0041	18	-22 20 49.10	0.016	18	0.34	39.918	16	33.6	49.37	16	33.6	K5	M	14	13172	E -2213464
4		3.6M	54 44.830	0.0023	02	-21 10 26.87	-0.012	02	0.07	44.757	03	18.5	26.46	04	15.5	KO		F4	710	-21 5201
5		9.0R	54 45.375	-0.0010	17	-28 55 32.57	0.016	17	0.31	45.391	16	33.6	32.83	16	33.6	A5	J	13B	12379	J -2915561
6		8.7A	54 47.678	0.0006	20	-21 48 25.93	-0.011	15	0.33	47.667	16	33.6	25.76	16	33.6	KO	J	13A	8005	A -21 5202
7		9.0R	54 47.817	0.0004	18	-23 7 47.76	0.034	18	0.34	47.810	16	33.6	48.32	16	33.6	AO	J	14	13174	E -2314889
8		9.3R	54 50.119	0.0005	15	-25 28 7.49	0.015	15	0.29	50.111	16	33.6	7.73	16	33.6	A5	J	14	13173	E -2513565
9		9.3R	54 56.912	0.0080	17	-29 5 14.32	0.009	17	0.31	56.780	16	33.6	14.46	16	33.6	KO	M	13B	12363	J -2915564
10		9.6R	55 3.062	0.0001	18	-24 40 10.32	0.024	18	0.34	3.060	16	33.6	10.71	16	33.6	AO	J	14	13176	E -2414875
11		8.7T	55 4.714	0.0040	13	-28 49 13.70	0.009	13	0.70	4.510	21	99.4	14.13	21	99.8	B9		GC	26025	C -2815212
12		9.6R	55 10.547	-0.0007	21	-26 27 32.03	-0.012	21	0.38	10.557	16	33.6	31.83	16	33.6	KO	M	14	13177	E -2613638
13		8.8R	55 11.059	0.0019	18	-27 5 37.84	-0.026	18	0.34	11.028	16	33.6	37.41	16	33.6	B9	J	13B	12386	J -2713412
14		6.7T	55 12.873	0.0014	09	-20 29 30.72	-0.000	08	0.52	12.794	19	93.2	30.71	18	92.6	OE5		GC	26034K	B+-20 5344
15		9.1R	55 15.266	0.0007	18	-24 49 47.93	0.003	18	0.34	13.254	16	33.6	47.97	16	33.6	K5	J	14	13178	E -2414877
16		9.2A	55 14.613	0.0041	20	-21 39 3.41	-0.026	15	0.33	14.546	16	33.6	2.99	16	33.6	GO	J	13A	8009	A -21 5204
17		6.6T	55 16.583	0.0006	06	-24 56 42.25	0.003	06	0.30	16.557	10	05.5	42.37	10	02.5	AG		GC	26037	C -2513574
18		9.1R	55 23.234	0.0005	12	-25 45 33.75	-0.003	12	0.25	23.225	16	33.6	33.70	16	33.6	KO	M	14	13180	E -2513575
19		6.0T	55 24.018	-0.0016	13	-22 35 53.01	0.017	12	0.64	24.098	15	00.4	53.86	15	99.3	A2		GC	26039	-22 4928
20		8.8R	55 26.178	-0.0008	18	-22 2 13.47	0.047	18	0.34	26.191	16	33.6	14.25	16	33.6	KO	J	14	13182	E -2213479
21		9.1R	55 30.054	-0.0002	18	-22 43 51.82	-0.007	18	0.34	30.057	16	33.6	51.70	16	33.6	B9	J	14	13183	E -2213480
22		9.3R	55 35.658	0.0038	17	-28 1 5.65	0.016	17	0.31	35.598	16	33.6	5.91	16	33.6	A3	J	13B	12390	J -2815224
23		9.0R	55 36.843	0.0023	12	-29 34 25.01	0.017	12	0.25	36.805	16	33.6	25.29	16	33.6	R1	J	13B	12389	J -2915574
24		9.2R	55 39.293	0.0013	20	-28 21 11.37	0.011	20	0.36	39.271	16	33.6	11.55	16	33.6	F5	M	13B	12391	J -2815225
25		9.1R	55 41.051	0.0005	18	-22 2 26.87	0.006	18	0.34	41.042	16	33.6	26.97	16	33.6	G5	J	14	13184	E -2213484
26		8.7R	55 43.057	0.0012	18	-22 52 32.95	-0.001	18	0.34	43.038	16	33.6	32.93	16	33.6	KO	J	14	13185	E -2213483
27		9.1A	55 46.437	-0.0007	20	-20 43 17.79	0.004	15	0.33	46.448	16	33.6	17.85	16	33.6	KO	J	13A	8017	A -20 5348
28		9.0R	55 49.106	0.0019	18	-22 32 33.80	-0.016	18	0.34	49.074	16	33.6	33.53	16	33.6	KO	J	14	13188	E -2213485
29		9.3R	55 50.069	0.0007	18	-23 24 53.91	-0.003	18	0.34	50.058	16	33.6	53.86	16	33.6	KO	J	14	13187	E -2314908
30		9.1R	55 50.093	0.0037	12	-29 7 50.84	0.027	12	0.25	50.032	16	33.6	51.28	16	33.6	K2	M	13B	12393	J -2915579
31		8.8R	55 51.303	0.0009	18	-27 43 12.83	-0.089	18	0.34	51.288	16	33.6	11.37	16	33.6	F5	J	13B	12394	J -2713421
32		8.4R	55 51.816	0.0011	15	-25 12 8.43	0.017	15	0.29	51.799	16	33.6	8.70	16	33.6	B8	J	14	13186	E -2513592
33		8.7R	55 55.053	0.0011	18	-23 9 5.34	0.009	18	0.34	55.035	16	33.6	5.49	16	33.6	KO	J	14	13190	E -2314912
34		8.5R	55 58.178	0.0010	18	-26 15 41.07	0.005	18	0.34	58.162	16	33.6	41.15	16	33.6	AO	J	14	13189	E -2613654
35		7.8R	55 58.472	-0.0012	17	-28 39 41.23	0.051	17	0.31	58.492	16	33.6	42.07	16	33.6	GO	J	13B	12395	J -2815231
36		9.2R	56 12.039	0.0006	18	-27 14 47.72	-0.031	18	0.34	12.029	16	33.6	47.21	16	33.6	AO	J	13B	12396	J -2713428
37		9.0R	56 13.071	0.0003	18	-21 58 21.46	-0.012	18	0.34	13.066	16	33.6	21.27	16	33.6	A2	J	14	13191	E -2213496
38		8.9A	56 14.172	0.0003	20	-21 18 0.02	-0.021	15	0.33	14.167	16	33.6	59.67	16	33.6	B9	J	13A	8021	A -21 5207
39		9.1R	56 15.737	0.0017	17	-28 30 31.35	0.035	17	0.31	15.709	16	33.6	31.92	16	33.6	AO	J	13B	12397	J -2815236
40		8.7R	56 18.970	0.0004	18	-27 48 20.63	-0.036	18	0.34	18.963	16	33.6	20.04	16	33.6	KO	J	13B	12398	J -2713432
41		8.5R	56 20.170	0.0021	18	-26 33 59.25	-0.012	18	0.34	20.135	16	33.6	59.05	16	33.6	G5	J	14	13192	E -2613665
42		8.6R	56 25.307	-0.0001	18	-26 0 54.70	-0.039	18	0.34	25.308	16	33.6	54.06	16	33.6	B8	J	14	13193	E -2613666
43		8.4R	56 27.902	0.0005	18	-23 20 7.41	-0.006	18	0.34	27.894	16	33.6	7.31	16	33.6	KO	J	14	13194	E -2314921
44		8.8R	56 33.314	0.0012	12	-25 29 58.75	-0.041	12	0.25	33.294	16	33.6	58.08	16	33.6	F2	J	14	13195	E -2513604
45		9.0R	56 35.531	-0.0004	20	-26 4 43.46	0.009	20	0.36	35.537	16	33.6	43.61	16	33.6	A2	J	14	13196	E -2613669
46		8.3A	56 36.232	0.0004	20	-21 53 52.54	0.007	15	0.33	36.226	16	33.6	52.66	16	33.6	KO	J	13A	8024	A -22 4938
47		9.3R	56 39.868	0.0014	15	-23 46 37.44	0.008	15	0.29	39.846	16	33.6	37.57	16	33.6	G4	M	14	13197	E -2314922
48		9.1R	56 42.033	0.0012	15	-25 7 9.36	0.018	15	0.29	42.013	16	33.6	9.64	16	33.6	KO	M	14	13198	E -2513608
49		9.4R	56 43.682	0.0011	15	-23 0 51.34	0.026	15	0.29	43.664	16	33.6	51.76	16	33.6	A5	J	14	13199	E -2314925
50		9.3R	56 49.919	0.0015	21	-29 23 26.57	-0.019	21	0.38	49.894	16	33.6	26.26	16	33.6	KO	M	13B	12400	J -2915596
51		8.4R	18 56 50.660	0.0014	18	-24 28 6.61	-0.004	18	0.34	50.638	16	33.6	6.55	16	33.6	B8	J	14	13200	E -2414904
52		7.7T	56 51.895	0.0033	09	-28 7 14.24	-0.004	07	0.41	51.729	12	99.7	14.02	10	97.1	A2		GC	26077	C -2815248
53		9.4A	56 52.113	-0.0006	20	-21 49 28.25	0.002	15	0.33	52.124	16	33.6	28.29	16	33.6	A2	J	13A	8027	A -21 5210
54		8.5T	56 54.947	0.0041	15	-28 46 20.21	-0.052	18	0.81	54.749	22	02.2	17.79	22	03.8	F5		GC	26079	C -2815249
55		9.2R	56 58.605	-0.0007	18	-26 45 19.73	0.010	18	0.34	58.617	16	33.6	19.89	16	33.6			14	13201	E -2613678
56		8.5R	57 2.757	0.0014	18	-23 7 54.85	-0.128	18	0.34	2.735	16	33.6	52.75	16	33.6	F8	J	14	13202	E -2314928
57		9.3A	57 7.437	-0.0012	20	-20 52 24.54	0.011	15	0.33	7.457	16	33.6	24.72	16	33.6	M0	J	13A	8030	A -20 5357
58		8.4R	57 10.296	0.0025	18	-26 15 11.24	-0.029	18	0.34	10.255	16	33.6	10.76	16	33.6	KO	J	14	13204	E -2613681
59		8.8R	57 11.653	0.0020	12	-28 36 34.27	0.015	12	0.25	11.621	16	33.6	34.51	16	33.6	KO	M	13B	12404	J -2815252
60		9.0R	57 15.066	-0.0002	18	-24 27 31.03	0.019	18	0.34	15.070	16	33.6	31.34	16	33.6	K5	J	14	13205	E -2414908
61		9.5A	57 20.625	-0.0011	20	-21 49 7.60	-0.025	15	0.33	20.643	16	33.6	7.25	16	33.6	A3	J	13A	8031	A -21 5214
62		6.4T	57 20.724	0.0041	07	-25 0 48.47	0.044	06	0.30	20.543	10	06.3	50.49	10	03.8	KO		GC	26089	C+-2513614
63		8.2R	57 25.000	0.0000	18	-27 42 57.10	-0.017	18	0.34	25.000	16	33.6	56.82	16	33.6	AO	J	13B	12405	J -2713447
64		8.5R	57 35.029	-0.0001	18	-22 56 30.08	-0.005	18	0.34	35.030	16	33.6	30.00	16	33.6	AO	J	14	13208	E -2314939
65		8.5R	57 36.455	-0.0015	18	-26 44 30.64	-0.046	18	0.34	36.479	16	33.6	29.88	16	33.6	KO	J	14	13207	E -2613692
66		9.4R	57 37.422	-0.0009	15	-23 20 51.06	-0.005	15	0.29	37.436	16	33.6	50.98	16	33.6	A3	J	14	13209	E -2314941
67		9.2A	57 41.003	-0.0004	20	-20 41 39.23	0.001	15	0.33	41.010	16	33.6	39.24	16	33.6	B9	J	13A	8035	A -20 5360
68		9.4R	57 44.492	0.0020	18	-25 46 57.08	0.002	18	0.34	44.459	16	33.6	57.11	16	33.6	F5	J	14	13210	E -2513618
69		9.0R	57 49.138	0.0003	18	-23 21 38.42	-0.002	18	0.34	49.134	16	33.6	38.38	16	33.6	G5	J	14	13211	E -2314945
70		9.0R	57 54.322	0.0010	12	-25 47 39.54	-0.015	12	0.25	54.306	16	33.6	39.29	16	33.6	A5	J	14	13212	E -2513623
71		9.3R	57 54.468	0.0012	20	-24 43 38.37	0.029	20	0.36	54.448	16	33.6	38.84	16	33.6	AO	J	14	13213	E -2414916
72		9.0R	57 54.639	0.0010	18	-24 43 30.25	0.011	18	0.34	54.623	16	33.6	30.42	16	33.6	AO	J	14	13214	E -2414916
73		8.5T	57 56.867	0.0020	14	-28 47 3.77	-0.102	16	0.76	56.768	21	01.2	58.84	21	01.8	F8		GC	26109	C -2815269
74		9.1R	57 57.486	0.0012	18	-22 53 39.40	-0.009	18	0.34	57.467	16	33.6	39.25	16	33.6	F0	J	14	13215	E -2213522
75		9.5R	58 7.419	-0.0032	21	-29 23 5.05	-0.004	21	0.38	7.470	16	33.6	4.98	16	33.6	KO	M	13B	12407	J -2915612
76		9.5R	58 8.385	-0.0017	12	-21 54 57.04	-0.029	12	0.25	8.413	16	33.6	56.57	16	33.6	F5	J	14	13216	E -2213523
77		9.5R	58 9.455	0.0010	20	-27 39 6.23	-0.059	20	0.36	9.438	16	33.6	5.26	16	33.6			13B	12408	J -2713456
78		9.3R	58 9.544	0.0031	15	-27 37 20.12	-0.022	15	0.29	9.493	16	33.6	19.76	16	33.6	G5	J	13B	12409	J -2713457
79		8.7R	58 11.596	0.0017	12	-28 53 32.40	-0.022	12	0.25	11.567	16	33.6	32.76	16	33.6	KO	J	13B	12410	J -2815271
80		8.9R	58 17.349	-0.0083	18	-22 11 21.34	-0.001	18	0.34	17.486	16	33.6	21.33	16	33.6	G5	J	14	13217	E -2213524
81		7.7T	58 22.431	0.0019	12	-23 18 0.39	0.005	10	0.58	22.339	18	01.2	0.63	18	99.6	G5		GC	26119	C -2314953
82		8.9R	58 30.616	-0.0008	18	-24 12 44.14	-0.108	18	0.34	30.630	16	33.6	42.37	16	33.6	GO	J	14	13219	E -2414928
83		8.2R	58 36.190	-0.0004	18	-26 4 38.90	0.027	18	0.34	36.196	16	33.6	39.34	16	33.6	AO	J	14	13220	E -2613709
84		6.3T	58 36.920	0.0003	06	-22 46 3.58	-0.000	06	0.32	36.905	09	97.7	3.57	09	97.0	K5		GC	26127	-22 4946
85		9.3R	58 40.004	-0.0049	20	-22 16 15.48	0.052	20	0.36	40.086	16	33.6	16.34	16	33.6	AO	J	14	13222	E -2213529
86		9.1R	58 45.245	-0.0033	20	-28 24 55.48	0.045	20	0.36	45.299	16	33.6	56.22	16	33.6	GO	M	13B	12414	J -2815283
87		9.4R	58 48.405	-0.0004	18	-27 17 14.74	-0.015	18	0.34	48.411	16	33.6	14.49	16	33.6	AO	J	13B	12415	J -2713468
88		9.1A	58 49.252	-0.0020	20	-21 0 27.73	-0.009	15	0.33	49.284	16	33.6	27.58	16	33.6	AO	J	13A	8042	A -21 5221
89		9.5R	58 49.274	0.0034	18	-27 10 0.76	-0.018	18	0.34	49.218	16	33.6	0.46	16	33.6	A3	J	13B	12416	J -2713469
90		9.1R	58 51.893	-0.0020	15	-22 56 33.43	-0.069	15	0.29	51.925	16	33.6	32.29	16	33.6	KO	J	14	13224	E -2314967
91		8.6R	58 59.486	0.0002	18	-22 9 56.54	0.010	18	0.34	59.484	16	33.6	56.71	16	33.6	A2	J	14	13225	E -2213536
92		8.8T	59 4.989	0.0030	17	-28 43 19.87	-0.095	20	0.88	4.848	22	03.5	15.47	22	03.8	GO		GC	26144	C -2815288
93		9.0A	59 6.042	0.0005	20	-20 25 54.06	-0.018	15	0.33	6.034	16	33.6	53.76	16	33.6	K2	J	13A	8044	A -20 5372
94		8.0R	59 9.619	0.0020	20	-29 24 50.99	-0.020	20	0.36	9.586	16	33.6	50.66	16	33.6	F0	J	13B	12420	J -2915629
95		8.6R	59 12.159	0.0008	18	-23 46 2.66	-0.008	18	0.34	12.146	16	33.6	2.53	16	33.6	AO	J	14	13226	E -2314971
96		8.2R	59 19.228	0.0019	18	-25 45 41.88	0.016	18	0.34	19.197	16	33.6	42.14	16	33.6	KO	J	14	13227	E -2513651
97		8.4T	59 23.295	0.0030	14	-28 42 59.37	-0.108	11	0.67	23.145	21	00.6	53.55	19	96.3	GO		GC	26158K	C+-2815292
98		9.3R	59 23.816	0.0015	18	-25 35 31.65	-0.034	18	0.34	23.791	16	33.6	31.09	16	33.6	A2	J	14	13228	E -2513654
99		5.7T	59 24.083	-0.0016	04	-24 55 3.33	-0.175	04	0.23	24.159	07	02.8	54.74	09	01.0	K2		GC	26159	C+-2513655
00		2.7M	59 25.892	-0.0011	02	-29 57 12.79	-0.001	02	0.11	25.948	05	98.1	12.73	04	00.9	A2	J	F3	715D	*

187600

EPOCH 1950 — ORIGINAL EPOCH — SOURCE — -20° 18H

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	σ'_μ ″.001	σ_{1950} ″	α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	CAT.	STAR NUMBER	DM NUMBER
1		9.1R	18 59 35.818	0.0028	18	-23 39 9.03	0.014	18	0.34	35.772	16	33.6	9.26	16	33.6	K5	J	14	13230	E -2314977
2		8.0R	59 39.768	-0.0005	18	-24 26 17.16	-0.041	18	0.34	39.777	16	33.6	16.49	16	33.6	K5	J	14	13231	E -2414946
3		8.6R	59 41.165	0.0027	15	-25 10 43.55	-0.005	15	0.29	41.121	16	33.6	43.46	16	33.6	M3	M	14	13232	E -2513661
4		8.6A	59 44.537	0.0025	18	-20 29 4.90	-0.073	12	0.30	44.496	16	33.6	3.70	16	33.6	F8	J	13A	8049	A -20 5377
5		9.2R	59 44.851	-0.0014	21	-29 12 58.33	-0.028	21	0.38	44.873	16	33.6	57.87	16	33.6	A5	J	13B	12424	J -2915641
6		9.0R	59 46.513	-0.0011	18	-26 25 6.03	0.020	18	0.34	46.531	16	33.6	6.36	16	33.6	A0	J	14	13233	E -2613730
7		8.8R	59 53.129	0.0018	18	-27 25 36.34	-0.003	18	0.34	53.099	16	33.6	38.29	16	33.6	A0	J	13B	12425	J -2713487
8		9.0R	59 54.472	0.0009	18	-27 12 5.46	-0.066	18	0.34	54.457	16	33.6	4.38	16	33.6	A3	J	13B	12426	J -2713488
9		9.3R	59 57.513	0.0003	18	-26 36 13.18	0.002	18	0.34	57.508	16	33.6	13.21	16	33.6	A0	J	14	13234	E -2613734
10		9.2R	19 0 6.542	-0.0013	20	-28 47 35.08	0.026	20	0.36	6.562	16	33.6	35.51	16	33.6	G0	M	13B	12428	J -2815500
11		8.8A	0 8.946	0.0026	20	-20 47 57.82	-0.026	15	0.33	8.903	16	33.6	57.39	16	33.6	F5	J	13A	8051	A -20 5379
12		8.9R	0 20.238	-0.0022	15	-26 2 20.29	0.000	15	0.29	20.274	16	33.6	20.29	16	33.6	K0	J	14	13236	E -2613744
13		9.3R	0 20.454	0.0004	18	-23 45 38.51	0.005	18	0.34	20.448	16	33.6	38.59	16	33.6	F2	J	14	13237	E -2314994
14		8.6R	0 23.154	0.0021	17	-29 41 18.32	-0.022	17	0.31	23.120	16	33.6	17.95	16	33.6	A0	J	13B	12431	J -2915649
15		9.0R	0 25.883	0.0020	18	-24 10 31.24	-0.014	18	0.34	25.851	16	33.6	31.01	16	33.6	K0	J	14	13238	E -2414964
16		8.9A	0 31.272	0.0016	20	-21 4 51.37	0.003	15	0.33	31.246	16	33.6	51.41	16	33.6	K2	J	13A	8056	A -21 5229
17		9.4R	0 32.656	0.0010	20	-26 10 15.85	-0.017	20	0.36	32.640	16	33.6	15.57	16	33.6	K0	M	14	13239	E -2613747
18		8.3A	0 35.735	-0.0000	18	-20 12 10.47	-0.014	13	0.30	35.735	16	33.6	10.24	16	33.6	B5	J	13A	8059	A -20 5381
19		9.3R	0 38.698	0.0005	12	-25 14 27.83	-0.047	12	0.25	38.690	16	33.6	27.06	16	33.6	G5	J	14	13240	E -2513678
20		9.0R	0 39.360	-0.0021	20	-27 47 31.08	-0.007	20	0.36	39.395	16	33.6	30.96	16	33.6	G5	J	13B	12436	J -2713503
21		9.0R	0 39.586	0.0003	18	-24 38 27.56	-0.013	18	0.34	39.581	16	33.6	27.34	16	33.6	K0	J	14	13241	E -2414968
22		9.1R	0 41.159	0.0054	17	-29 1 36.49	0.003	17	0.31	41.071	16	33.6	36.54	16	33.6	A5	J	13B	12435	J -2915655
23		9.1A	0 42.618	0.0017	20	-20 39 4.62	-0.019	15	0.33	42.590	16	33.6	4.31	16	33.6	F0	J	13A	8061	A -20 5382
24		8.8R	0 43.065	0.0003	18	-22 47 10.47	-0.008	18	0.34	43.060	16	33.6	10.34	16	33.6	M7	M	14	13242	E -2213563
25		8.4R	0 45.185	0.0023	18	-24 0 27.52	-0.033	18	0.34	45.148	16	33.6	26.98	16	33.6	K0	J	14	13243	E -2414970
26		9.2A	0 54.580	0.0010	20	-20 45 32.87	-0.009	15	0.33	54.564	16	33.6	32.72	16	33.6	K0	J	13A	8062	A -20 5383
27		9.0R	0 57.857	0.0115	20	-28 16 42.26	0.044	20	0.36	57.669	16	33.6	42.98	16	33.6	K0	J	13B	12440	J -2815314
28		9.6Q	0 59.692	-0.0171	22	-20 31 41.62	-0.705	22	0.89	+ 0.357	17	11.1	14.00	18	10.8	G0		GC	26204	B*-20 5385
29		9.4R	1 3.909	-0.0005	18	-26 46 36.98	-0.014	18	0.34	3.917	16	33.6	37.21	16	33.6	A0	J	14	13245	E -2613756
30		9.2R	1 8.358	0.0016	12	-25 11 17.37	0.022	12	0.25	8.332	16	33.6	17.73	16	33.6	A2	J	14	13246	E -2513689
31		8.8A	1 11.927	-0.0011	20	-20 52 33.26	-0.013	15	0.33	11.944	16	33.6	33.04	16	33.6	K0	J	13A	8065	A -21 5231
32		6.9Q	1 13.200	-0.0004	07	-22 58 17.81	0.006	07	0.30	13.218	07	06.8	18.06	09	06.7	A0		GC	26210K	C*-2315008
33		9.0R	1 13.857	-0.0044	15	-25 34 37.46	-0.040	15	0.29	13.929	16	33.6	36.80	16	33.6	G0	J	14	13247	E -2513691
34		6.9T	1 20.873	0.0057	10	-21 36 23.21	-0.047	09	0.50	20.581	14	99.1	20.77	14	97.8	G0		GC	26214K	B*-21 5233
35		8.6A	1 20.900	-0.0001	20	-20 13 4.15	-0.010	15	0.33	20.901	16	33.6	3.98	16	33.6	B8	J	13A	8068	A -20 5388
36		9.1R	1 22.274	0.0003	17	-29 21 53.47	0.035	17	0.31	22.268	16	33.6	54.04	16	33.6	F0	J	13B	12443	J -2915665
37		9.2R	1 29.218	0.0003	17	-28 10 49.00	-0.010	17	0.31	29.214	16	33.6	48.84	16	33.6	K0	J	13B	12447	J -2815326
38		8.6R	1 31.268	0.0031	17	-28 56 18.07	-0.014	17	0.31	31.216	16	33.6	17.84	16	33.6	G5	J	13B	12448	J -2915667
39		8.8R	1 31.344	0.0005	18	-27 12 21.96	-0.039	18	0.34	31.336	16	33.6	21.32	16	33.6	A2	J	13B	12449	J -2713520
40		9.0A	1 33.968	-0.0014	20	-21 32 49.71	0.005	15	0.33	33.990	16	33.6	49.80	16	33.6	K0	J	13A	8069	A -21 5235
41		9.0R	1 39.976	0.0065	20	-29 48 7.47	-0.058	20	0.36	39.869	16	33.6	6.51	16	33.6	G5	J	13B	12450	J -2915671
42		8.9A	1 40.756	0.0015	20	-21 5 18.16	-0.004	15	0.33	40.731	16	33.6	18.09	16	33.6	F8	J	13A	8071	A -21 5238
43		3.9T	1 41.245	0.0057	02	-21 48 59.52	-0.060	02	0.15	40.906	06	90.9	56.05	06	91.9	K0		GC	26224K	B*-21 5237
44		6.9T	1 41.761	0.0016	09	-25 18 24.26	-0.021	09	0.54	41.669	17	94.2	23.01	17	91.4	A0		GC	26225	C -2513693
45		8.6T	1 45.349	0.0021	12	-24 53 29.29	0.006	09	0.57	45.244	18	99.6	29.58	18	97.5	K2		GC	26227	C*-2513695
46		9.0R	1 55.849	0.0011	18	-27 35 45.43	-0.038	18	0.34	55.831	16	33.6	44.80	16	33.6	F0	J	13B	12453	J -2713526
47		8.5R	1 56.581	0.0030	18	-24 44 35.16	0.022	18	0.34	56.532	16	33.6	35.52	16	33.6	F2	J	14	13253	E -2414986
48		8.5R	2 2.025	0.0046	15	-24 59 43.58	-0.085	15	0.29	1.949	16	33.6	42.18	16	33.6	F5	J	14	13254	E -2513700
49		8.1A	2 5.431	-0.0002	20	-21 1 23.64	-0.037	15	0.33	5.434	16	33.6	23.04	16	33.6	K5	J	13A	8074	A -21 5242
50		7.5R	2 6.075	0.0007	18	-26 12 53.86	0.023	18	0.34	6.064	16	33.6	54.24	16	33.6	K2	J	14	13255	E -2613766
51		8.9R	19 2 7.347	0.0002	17	-28 11 16.41	0.048	17	0.31	7.344	16	33.6	17.20	16	33.6	A5	J	13B	12454	J -2815345
52		8.9R	2 12.397	0.0043	17	-29 2 11.93	-0.013	17	0.31	12.326	16	33.6	11.71	16	33.6	G5	J	13B	12457	J -2915680
53		9.0A	2 12.965	-0.0009	15	-21 9 32.84	0.000	11	0.26	12.979	16	33.6	32.84	16	33.6	B9	J	13A	8075	A -21 5243
54		8.9R	2 13.059	0.0015	20	-29 17 6.82	-0.005	20	0.36	13.035	16	33.6	6.74	16	33.6	F2	J	13B	12458	J -2915681
55		9.5R	2 14.398	0.0007	20	-22 23 3.10	-0.009	20	0.36	14.387	16	33.6	2.96	16	33.6	A5	J	14	13257	E -2213587
56		9.0R	2 15.081	-0.0016	18	-23 47 35.67	-0.004	18	0.34	15.107	16	33.6	35.60	16	33.6	K2	J	14	13256	E -2315018
57		9.5R	2 16.977	-0.0012	18	-21 55 21.94	0.006	18	0.34	16.998	16	33.6	22.04	16	33.6	B8	J	14	13258	E -2213588
58		9.3R	2 21.439	0.0008	18	-23 39 14.15	0.016	18	0.34	21.426	16	33.6	14.41	16	33.6	A3	J	14	13259	E -2315020
59		9.1R	2 33.073	0.0008	18	-24 20 44.26	-0.034	18	0.34	33.061	16	33.6	43.70	16	33.6	A2	J	14	13260	E -2415001
60		7.3T	2 34.084	0.0014	10	-24 45 6.37	0.009	07	0.49	34.011	15	97.2	6.85	15	93.6	K0		GC	26243	C -2415002
61		6.9T	2 37.364	0.0008	11	-29 9 29.13	-0.005	09	0.57	37.320	18	97.0	28.82	18	92.7	B8		GC	26244	C -2915692
62		8.5R	2 38.850	-0.0015	15	-26 43 6.07	-0.038	15	0.29	38.874	16	33.6	5.44	16	33.6	G0	J	14	13262	E -2613776
63		9.2R	2 40.296	-0.0001	18	-26 36 45.22	0.004	18	0.34	40.297	16	33.6	45.28	16	33.6	G5	J	14	13263	E -2613777
64		8.8A	2 47.858	0.0016	20	-20 59 39.30	-0.017	15	0.33	47.831	16	33.6	39.02	16	33.6	K0	J	13A	8079	A -21 5246
65		9.2R	2 56.891	-0.0034	20	-27 25 16.52	-0.020	20	0.36	56.946	16	33.6	16.19	16	33.6	F5	M	13B	12464	J -2713545
66		9.1R	2 57.376	0.0021	18	-26 32 52.63	0.009	18	0.34	57.341	16	33.6	52.77	16	33.6	F0	J	14	13264	E -2613785
67		9.3R	2 57.838	0.0028	21	-27 5 44.51	-0.059	21	0.38	57.792	16	33.6	43.54	16	33.6	F8	M	13B	12466	J -2713544
68		8.1R	2 59.475	0.0012	20	-26 19 29.13	0.029	20	0.36	59.455	16	33.6	29.60	16	33.6	M0	M	14	13265	E -2613786
69		8.8R	3 0.105	0.0009	18	-22 55 24.53	0.037	18	0.34	0.090	16	33.6	25.13	16	33.6	F2	J	14	13266	E -2315031
70		9.0R	3 0.437	0.0019	20	-29 8 14.19	0.006	20	0.36	0.406	16	33.6	14.28	16	33.6	K2	M	13B	12465	J -2915700
71		9.0R	3 9.877	-0.0002	21	-29 18 56.34	0.025	21	0.38	9.880	16	33.6	56.75	16	33.6	F0	J	13B	12468	J -2915702
72		7.2T	3 12.258	-0.0000	10	-27 21 52.86	-0.007	09	0.52	12.259	15	98.8	52.48	17	96.4	B8		GC	26274	C*-2713551
73		9.2R	3 15.148	-0.0017	20	-28 45 5.54	0.017	20	0.36	15.175	16	33.6	5.82	16	33.6	G0	M	13B	12471	J -2815371
74		8.8R	3 16.763	0.0047	20	-27 36 29.81	0.016	20	0.36	16.686	16	33.6	30.07	16	33.6	K0	J	13B	12473	J -2713552
75		8.6R	3 21.130	0.0048	18	-22 40 39.79	-0.003	18	0.34	21.051	16	33.6	39.74	16	33.6	K0	J	14	13267	E -2213604
76		8.9R	3 23.886	0.0018	21	-29 35 36.03	-0.022	21	0.38	23.856	16	33.6	35.67	16	33.6	K0	J	13B	12474	J -2915707
77		8.9R	3 24.279	0.0022	21	-28 42 30.64	-0.015	21	0.38	24.242	16	33.6	30.39	16	33.6	K2	M	13B	12476	J -2815373
78		9.0R	3 26.040	0.0004	20	-25 53 47.95	-0.009	20	0.36	26.034	16	33.6	47.80	16	33.6	K2	J	14	13268	E -2613798
79		7.5R	3 30.984	0.0024	18	-23 19 53.14	0.007	18	0.34	30.944	16	33.6	53.25	16	33.6	K0	J	14	13269	E -2315043
80		9.3R	3 35.597	0.0009	18	-22 9 49.59	-0.024	18	0.34	35.583	16	33.6	49.20	16	33.6	K0	J	14	13270	E -2213609
81		9.4R	3 47.448	0.0036	18	-22 54 58.64	0.002	18	0.34	47.389	16	33.6	58.67	16	33.6	F2	J	14	13272	E -2315049
82		9.0R	3 48.643	0.0030	15	-26 18 23.66	-0.039	15	0.29	48.593	16	33.6	23.02	16	33.6	G5	J	14	13271	E -2613808
83		3.4H	3 49.160	-0.0040	01	-27 44 43.14	-0.249	01	0.06	49.312	03	12.0	33.12	03	09.8	K0		F4	1496	C -2713564
84		8.7R	3 49.461	0.0011	18	-24 16 21.69	-0.020	18	0.34	49.444	16	33.6	21.36	16	33.6	B9	J	14	13273	E -2415019
85		8.6R	3 56.904	0.0006	17	-29 14 20.32	0.031	17	0.31	56.894	16	33.6	20.83	16	33.6	G5	J	13B	12479	J -2915719
86		6.8T	3 57.861	-0.0003	07	-22 34 32.90	0.005	06	0.39	57.879	14	93.0	33.18	14	92.6	K0		GC	26298	B*-22 4977
87		8.9A	4 2.264	-0.0005	20	-21 30 15.53	-0.012	15	0.33	2.272	16	33.6	15.34	16	33.6	A0	J	13A	8085	A -21 5255
88		9.2R	4 2.708	-0.0002	21	-29 43 24.47	-0.024	21	0.38	2.711	16	33.6	24.08	16	33.6	F5	J	13B	12482	J -2915721
89		8.7A	4 2.921	-0.0009	20	-20 3 47.10	-0.015	15	0.33	2.935	16	33.6	46.85	16	33.6	G5	J	13A	8086	A -20 5395
90		9.2R	4 3.558	0.0000	20	-27 24 22.40	-0.023	17	0.34	3.558	16	33.6	22.02	16	33.6	F5	M	13B	12483	J -2713571
91		8.3R	4 3.655	-0.0000	20	-24 57 40.60	-0.006	20	0.36	3.656	16	33.6	40.50	16	33.6	K0	J	14	13276	E -2513737
92		9.0R	4 4.223	-0.0011	12	-26 24 37.30	-0.003	12	0.25	4.241	16	33.6	37.25	16	33.6	A5	J	14	13275	E -2613816
93		9.0R	4 8.828	0.0012	20	-28 43 36.76	0.007	20	0.36	8.807	16	33.6	36.87	16	33.6	G5	J	13B	12486	J -2815394
94		8.0R	4 11.616	0.0011	18	-24 36 8.88	0.016	18	0.34	11.598	16	33.6	9.14	16	33.6	A0	J	14	13278	E -2415022
95		9.2R	4 12.483	-0.0006	18	-23 56 40.69	0.016	18	0.34	12.492	16	33.6	40.95	16	33.6	F0	J	14	13279	E -2415023
96		9.5R	4 13.507	-0.0025	15	-24 12 36.38	-0.018	15	0.29	13.549	16	33.6	36.09	16	33.6	A2	J	14	13280	E -2415024
97		8.9R	4 14.501	-0.0010	15	-22 48 43.55	-0.006	15	0.29	14.517	16	33.6	43.45	16	33.6	G5	J	14	13281	E -2213621
98		8.7R	4 18.571	0.0024	20	-25 19 54.83	-0.129	20	0.36	18.532	16	33.6	52.71	16	33.6	F8	J	14	13282	E -2513739
99		9.1R	4 18.970	0.0012	15	-24 15 49.00	-0.025	15	0.29	18.951	16	33.6	48.59	16	33.6	F2	J	14	13283	E -2415028
00		9.1A	4 19.618	0.0011	20	-20 35 38.65	-0.031	15	0.33	19.600	16	33.6	38.14	16	33.6	M0	J	13A	8088	A -20 5398

187700

EPOCH 1950 — ORIGINAL EPOCH — SOURCE — -20° 19H

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	CAT.	STAR NUMBER	DM NUMBER
1		6.2T	19 4 22.026	0.0007	05	-28 42 56.57	-0.009	04	0.24	21.993	09	04.9	56.11	09	00.7	K2	GC	26308	C -2815403
2		9.4R	4 25.685	-0.0013	18	-22 34 28.24	-0.031	18	0.34	25.706	16	33.6	27.75	16	33.6	G0 J	14	13264	E -2213627
3		8.9A	4 25.920	0.0033	20	-21 41 35.58	-0.017	15	0.33	25.866	16	33.6	35.31	16	33.6	F0 J	13A	8091	A -21 5257
4		9.1R	4 27.763	0.0001	21	-29 38 11.95	0.012	21	0.38	27.762	16	33.6	12.15	16	33.6	F5 J	13B	12490	J -2915734
5		9.3R	4 30.996	0.0005	18	-22 57 29.17	-0.026	18	0.34	30.987	16	33.6	28.74	16	33.6	K5 J	14	13287	E -2315062
6		8.8R	4 32.971	0.0010	20	-26 4 44.60	-0.001	20	0.36	32.955	16	33.6	44.58	16	33.6	G5 J	14	13286	E -2613826
7		9.1R	4 40.053	-0.0022	18	-23 24 11.46	0.015	18	0.34	40.089	16	33.6	11.71	16	33.6	A5 J	14	13288	E -2315066
8		9.0R	4 41.617	0.0007	21	-29 7 33.12	-0.049	21	0.38	41.605	16	33.6	32.31	16	33.6	G5 J	13B	12494	J -2915739
9		8.7A	4 47.489	-0.0006	00	-21 19 30.76	-0.038	13	0.22	47.499	16	33.6	30.13	16	33.6	K0 J	13A	8095	A -21 5260
10		7.5T	4 49.919	0.0028	12	-25 46 53.14	0.006	10	0.59	49.781	15	00.1	53.46	15	96.9	G5	GC	26321	C -2513750
11		8.7R	4 50.518	0.0054	15	-26 25 53.69	-0.220	15	0.29	50.429	16	33.6	50.08	16	33.6	G5 J	14	13289	E -2613830
12		8.8R	4 52.439	-0.0013	18	-23 12 49.34	-0.063	18	0.34	52.461	16	33.6	48.31	16	33.6	K2 J	14	13291	E -2315089
13		9.3R	4 58.035	-0.0007	17	-26 38 51.92	-0.026	17	0.31	58.047	16	33.6	51.49	16	33.6	G5 J	13B	12497	J -2815415
14		9.0R	4 59.048	-0.0038	18	-22 27 5.94	-0.069	18	0.34	59.111	16	33.6	4.81	16	33.6	G0 J	14	13295	E -2213634
15		9.1A	4 59.640	-0.0005	15	-20 53 42.65	-0.016	11	0.26	59.648	16	33.6	42.39	16	33.6	A0 J	13A	8097	A -21 5262
16		7.0T	5 1.888	0.0005	11	-26 54 50.84	0.026	09	0.58	1.863	18	96.6	52.36	17	91.1	G5	GC	26327K	C -2713590
17		9.0R	5 2.022	0.0015	15	-25 41 19.81	-0.006	15	0.29	1.987	16	33.6	19.71	16	33.6	A0 J	14	13293	E -2513753
18		6.2T	5 11.348	0.0014	05	-24 44 13.06	0.005	06	0.32	11.276	10	97.9	13.30	10	98.3	B9	GC	26329	C -2415041
19		9.1R	5 11.409	0.0008	18	-23 15 5.39	-0.020	18	0.34	11.395	16	33.6	5.06	16	33.6	A3 J	14	13297	E -2315076
20		8.9R	5 11.704	-0.0015	13	-29 56 1.34	-0.044	13	0.27	11.728	16	33.6	0.62	16	33.6	K2 J	13B	12499	J -3016684
21		8.6R	5 20.331	0.0015	15	-23 26 33.96	-0.010	15	0.29	20.307	16	33.6	33.79	16	33.6	G5 J	14	13298	E -2513761
22		8.2R	5 26.074	0.0020	18	-26 33 5.13	-0.052	18	0.34	26.042	16	33.6	4.28	16	33.6	G5 J	14	13299	E -2613843
23		9.0R	5 34.260	0.0024	18	-27 47 25.59	-0.017	18	0.34	34.221	16	33.6	25.31	16	33.6	F0 J	13B	12504	J -2713601
24		7.9A	5 35.569	-0.0007	10	-21 4 16.54	-0.052	08	0.49	35.601	17	04.1	13.88	18	98.8	K0	GC	26343	- 21 5266
25		9.0R	5 36.025	0.0041	20	-25 20 34.91	0.038	20	0.36	35.958	16	33.6	35.53	16	33.6	K2 J	14	13300	E -2513766
26		9.0R	5 36.671	-0.0016	17	-28 36 28.76	-0.001	17	0.31	36.698	16	33.6	28.74	16	33.6	A0 J	13B	12505	J -2815429
27		8.9A	5 39.949	-0.0006	00	-21 19 24.02	0.018	15	0.23	39.959	16	33.6	24.31	16	33.6	A0 J	13A	8104	A -21 5267
28		6.8T	5 43.151	0.0010	12	-25 9 35.24	0.005	09	0.55	43.099	15	00.9	35.48	15	97.6	B9	GC	26349	C -2513770
29		6.5T	5 43.148	-0.0014	10	-23 16 14.41	-0.017	09	0.47	43.217	10	01.4	13.54	10	99.7	G5	GC	26348	C -2315088
30		8.4R	5 43.859	0.0014	18	-24 29 38.97	-0.030	18	0.34	43.836	16	33.6	38.48	16	33.6	M0 M	14	13302	E -2415050
31		7.8R	5 47.175	0.0025	17	-28 49 14.10	-0.076	17	0.31	47.134	16	33.6	12.85	16	33.6	K0 J	13B	12506	J -2815432
32		9.1A	5 52.993	0.0066	20	-20 16 54.49	0.027	15	0.33	52.884	16	33.6	54.93	16	33.6	F5 J	13A	8106	A -20 5407
33		9.1R	5 53.438	0.0021	18	-23 32 35.26	-0.028	18	0.34	53.403	16	33.6	34.80	16	33.6	F8 J	14	13304	E -2315092
34		9.3A	5 54.116	0.0040	20	-20 58 49.26	-0.017	15	0.33	54.050	16	33.6	48.98	16	33.6	G5 J	13A	8107	A -21 5268
35		9.4R	5 55.234	-0.0001	18	-23 49 12.11	-0.056	18	0.34	55.236	16	33.6	11.19	16	33.6	G0 J	14	13305	E -2315093
36		9.0R	5 57.761	0.0031	20	-27 18 27.48	-0.056	20	0.36	57.710	16	33.6	26.56	16	33.6	F8 J	13B	12508	J -2713610
37		8.9R	6 2.619	0.0008	15	-23 34 19.35	-0.004	15	0.29	2.605	16	33.6	19.28	16	33.6	A0 J	14	13306	E -2513771
38		8.4A	6 4.421	0.0006	20	-20 4 56.84	-0.023	15	0.33	4.410	16	33.6	56.46	16	33.6	G5 J	13A	8110	A -20 5409
39		9.0A	6 7.737	0.0002	20	-20 15 47.71	0.018	15	0.33	7.733	16	33.6	48.00	16	33.6	K0 J	13A	8111	A -20 5410
40		8.7R	6 12.416	0.0003	15	-25 11 47.35	0.018	15	0.29	12.411	16	33.6	47.64	16	33.6	K2 J	14	13307	E -2513774
41		9.0R	6 16.975	0.0019	18	-25 55 31.67	0.030	18	0.34	16.943	16	33.6	32.16	16	33.6	K2 J	14	13308	E -2613861
42		9.2T	6 18.882	0.0020	18	-28 37 43.85	-0.017	20	0.90	18.788	22	04.1	43.05	22	03.8	K2	GC	26371	C -2815437
43		9.3R	6 19.086	-0.0003	18	-24 30 17.35	0.017	18	0.34	19.090	16	33.6	17.62	16	33.6	F5 J	14	13309	E -2415060
44		8.5R	6 20.707	-0.0003	18	-23 35 38.42	-0.006	18	0.34	20.711	16	33.6	38.29	16	33.6	K5 J	14	13310	E -2315103
45		9.6R	6 27.825	-0.0005	18	-22 40 18.39	-0.042	18	0.34	27.834	16	33.6	17.70	16	33.6	F8 J	14	13312	E -2213648
46		9.1R	6 28.781	0.0044	15	-25 34 29.06	-0.055	15	0.29	28.709	16	33.6	28.16	16	33.6	G5 J	14	13311	E -2513778
47		8.7R	6 30.744	-0.0000	18	-22 27 31.65	0.020	18	0.34	30.744	16	33.6	31.98	16	33.6	K0 J	14	13313	E -2213650
48		8.0R	6 33.487	0.0001	15	-23 16 19.88	0.022	15	0.29	33.485	16	33.6	20.24	16	33.6	A0 J	14	13314	E -2315106
49		6.8T	6 37.315	-0.0007	07	-27 11 44.37	-0.020	07	0.44	37.356	17	93.4	43.23	15	93.3	K0	GC	26382	C -2713620
50		8.0T	6 41.325	-0.0181	12	-21 32 45.44	-0.371	10	0.63	42.251	18	98.7	25.49	17	96.2	G0	GC	26383	B+ 21 5273
51		8.5R	19 6 43.245	-0.0003	18	-26 37 24.48	-0.025	18	0.34	43.250	16	33.6	24.07	16	33.6	A0 J	14	13315	E -2613865
52		9.3R	6 43.744	0.0021	20	-25 15 57.04	-0.087	20	0.36	43.710	16	33.6	55.61	16	33.6	G5 M	14	13316	E -2513783
53		8.9A	6 44.521	-0.0005	20	-21 30 11.40	-0.016	15	0.33	44.529	16	33.6	11.15	16	33.6	K5 J	13A	8119	A -21 5274
54		9.2R	6 47.034	-0.0014	22	-24 51 11.45	-0.031	22	0.40	47.056	16	33.6	10.94	16	33.6	A0 J	14	13319	E -2415070
55		8.3R	6 47.347	0.0018	18	-26 43 49.27	0.021	18	0.34	47.317	16	33.6	49.61	16	33.6	K5 J	14	13317	E -2613868
56		3.0H	6 47.450	-0.0000	01	-21 6 17.49	-0.035	01	0.05	47.451	02	13.7	16.23	03	14.2	F2	F4	720	- 21 5275
57		9.0R	6 48.552	0.0016	18	-24 15 22.31	-0.038	18	0.34	48.526	16	33.6	21.68	16	33.6	A0 J	14	13320	E -2415072
58		9.0R	6 48.727	-0.0015	20	-26 28 25.84	0.001	20	0.36	48.747	16	33.6	25.85	16	33.6	A0 J	14	13318	E -2613869
59		9.2R	6 51.769	0.0069	22	-24 52 0.29	-0.059	22	0.40	51.655	16	33.6	-59.32	16	33.6	K0 M	14	13321	E -2415074
60		9.3R	6 52.754	0.0022	18	-24 40 32.20	-0.027	18	0.34	52.718	16	33.6	31.75	16	33.6	K0 J	14	13322	E -2415075
61		8.6A	6 53.572	-0.0009	20	-20 31 56.91	-0.006	15	0.33	53.586	16	33.6	56.81	16	33.6	K2 J	13A	8123	A -20 5416
62		9.0R	6 59.657	-0.0012	20	-27 59 57.88	-0.052	20	0.36	59.678	16	33.6	57.03	16	33.6	G0 J	13B	12514	J -2815452
63		9.0R	7 7.053	0.0023	20	-28 57 13.29	0.023	20	0.36	7.015	16	33.6	13.67	16	33.6	G0 J	13B	12515	J -2915789
64		9.2R	7 8.435	0.0013	20	-28 22 59.54	0.006	20	0.36	8.415	16	33.6	59.64	16	33.6	K2 M	13B	12516	J -2815455
65		8.6R	7 11.636	-0.0010	18	-26 31 38.69	-0.068	18	0.34	11.653	16	33.6	37.57	16	33.6	K0 J	14	13323	E -2613874
66		9.3R	7 15.472	0.0033	18	-23 9 55.14	-0.003	18	0.34	15.418	16	33.6	55.09	16	33.6	A2 J	14	13324	E -2315117
67		9.3R	7 18.487	0.0018	20	-25 17 44.66	0.014	20	0.36	18.457	16	33.6	44.88	16	33.6	G5 M	14	13325	E -2513793
68		8.1R	7 31.822	-0.0094	17	-29 53 43.03	-0.114	17	0.31	31.977	16	33.6	41.15	16	33.6	F8 J	13B	12519	J -3016724
69		8.5A	7 33.490	0.0018	20	-20 45 12.28	-0.001	15	0.33	33.461	16	33.6	12.26	16	33.6	G5 J	13A	8125	A -20 5418
70		8.9A	7 35.039	0.0013	20	-21 45 18.56	-0.024	15	0.33	35.017	16	33.6	18.17	16	33.6	F5 J	13A	8126	A -21 5278
71		9.2R	7 37.256	-0.0011	21	-28 53 37.39	-0.023	21	0.38	37.274	16	33.6	37.01	16	33.6	K0 M	13B	12521	J -2915795
72		9.1A	7 37.897	-0.0003	20	-21 27 21.27	-0.037	15	0.33	37.902	16	33.6	20.66	16	33.6	G5 J	13A	8127	A -21 5279
73		9.2R	7 43.852	-0.0011	17	-27 53 53.66	-0.004	17	0.31	43.870	16	33.6	53.59	16	33.6	G0 M	13B	12525	J -2815467
74		8.0R	7 46.179	-0.0008	20	-28 10 3.63	0.076	20	0.36	46.192	16	33.6	4.88	16	33.6	K0 J	13B	12526	J -2815469
75		9.3R	7 47.395	0.0000	12	-24 52 53.09	0.017	12	0.25	47.394	16	33.6	53.36	16	33.6	A5 J	14	13326	E -2513803
76		8.5R	7 52.038	0.0009	18	-25 59 38.60	-0.038	18	0.34	52.023	16	33.6	37.98	16	33.6	B9 J	14	13327	E -2613888
77		9.1A	7 53.504	-0.0000	20	-21 17 34.98	0.032	15	0.33	53.504	16	33.6	35.51	16	33.6	G5 J	13A	8130	A -21 5281
78		9.1R	7 54.257	-0.0059	20	-25 45 18.47	-0.002	20	0.36	54.354	16	33.6	18.44	16	33.6	A0 J	14	13328	E -2513805
79		7.6R	7 57.343	0.0013	18	-24 16 4.75	-0.022	18	0.34	57.322	16	33.6	4.39	16	33.6	K0 J	14	13331	E -2415084
80		8.8R	7 57.381	-0.0002	18	-25 53 40.90	-0.168	18	0.34	57.384	16	33.6	38.14	16	33.6	K0 J	14	13329	E -2613891
81		9.0R	7 58.781	0.0029	20	-25 45 0.81	0.014	20	0.36	58.733	16	33.6	1.04	16	33.6	K5 J	14	13330	E -2513806
82		9.0R	7 59.976	0.0028	18	-22 38 36.88	-0.015	18	0.34	59.930	16	33.6	36.63	16	33.6	K0 J	14	13332	E -2213677
83		8.6A	8 0.201	0.0007	20	-20 3 23.70	-0.001	15	0.33	0.189	16	33.6	23.68	16	33.6	F0 J	13A	8132	A -20 5423
84		8.9R	8 1.275	0.0020	15	-27 7 59.48	0.006	15	0.29	1.242	16	33.6	59.57	16	33.6	K5 J	13B	12529	J -2713645
85		8.6T	8 3.294	-0.0028	22	-28 37 3.59	-0.031	20	0.96	3.417	14	05.3	2.17	12	04.6	K0	GC	26409	C -2815472
86		6.2T	8 8.881	0.0026	09	-29 35 7.51	-0.017	08	0.48	8.746	14	97.3	6.55	14	95.3	B9	GC	26411	C -2915804
87		9.3R	8 9.001	0.0007	18	-21 59 25.29	0.008	18	0.34	8.990	16	33.6	25.43	16	33.6	B9 J	14	13333	E -2213681
88		8.9R	8 19.601	0.0022	12	-25 35 11.36	0.066	12	0.25	19.564	16	33.6	12.44	16	33.6	K5 J	14	13334	E -2513810
89		7.9Q	8 21.790	0.0002	12	-20 25 50.84	-0.014	09	0.52	21.781	18	05.5	50.14	18	01.2	B9	GC	26416	- 20 5428
90		9.1A	8 22.295	0.0009	20	-21 12 16.42	-0.015	15	0.33	22.281	16	33.6	16.17	16	33.6	B9 J	13A	8134	A -21 5286
91		9.2R	8 25.258	0.0012	18	-22 41 36.78	-0.047	18	0.34	25.239	16	33.6	36.01	16	33.6	F0 J	14	13335	E -2213686
92		8.6R	8 25.738	0.0008	15	-27 9 36.02	-0.035	15	0.29	25.724	16	33.6	35.44	16	33.6	A0 J	13B	12535	J -2713651
93		8.7R	8 30.301	0.0033	18	-24 31 44.48	-0.017	18	0.34	30.246	16	33.6	44.19	16	33.6	K2 J	14	13336	E -2415093
94		9.2R	8 36.887	0.0014	12	-25 4 52.28	-0.030	15	0.27	36.865	16	33.6	51.79	16	33.6	F8 J	14	13337	E -2513817
95		9.3R	8 37.962	0.0033	18	-24 47 32.61	0.051	18	0.34	37.907	16	33.6	33.44	16	33.6	K0 J	14	13339	E -2415096
96		9.3R	8 39.589	0.0023	20	-26 9 7.71	-0.015	20	0.36	39.551	16	33.6	7.46	16	33.6	K0 M	14	13338	E -2613904
97		9.1R	8 44.276	-0.0009	17	-29 57 59.89	-0.029	17	0.31	44.290	16	33.6	59.42	16	33.6	K0 M	13B	12536	J -3016748
98		8.6R	8 45.247	0.0009	12	-29 37 16.99	-0.027	12	0.25	45.233	16	33.6	16.55	16	33.6	K5 J	13B	12537	J -2915816
99		8.2A	8 54.731	0.0001	20	-20 27 54.08	0.007	15	0.33	54.728	16	33.6	54.19	16	33.6	K0 J	13A	8140	A -20 5432
00		9.8R	8 56.391	-0.0026	21	-29 28 8.01	-0.032	21	0.38	56.433	16	33.6	7.48	16	33.6	A2 J	13B	12539	J -2915820

187800

EPOCH 1950											ORIGINAL EPOCH							SP.	SOURCE		-20° 19H
NUMBER	MAGNITUDES		α_{1950}	μ	σ_μ	δ_{1950}	μ'	σ'_μ	σ_{1950}		α_2	σ	ep.	δ_2	σ'	ep.			CAT.	STAR NUMBER	
	m_{pg}	m_v	h m s	s	″ .001	° ′ ″	″	″ .001	″		s	″ .01		″	″ .01						DM NUMBER
1		9.0R	19 8 58.113	-0.0026	12	-28 34 5.92	-0.092	12	0.25		58.156	16	33.6	4.41	16	33.6	G5	J	13B	12540	J -2815494
2		8.9A	9 0.360	-0.0004	17	-20 19 49.91	-0.001	12	0.28		0.366	16	33.6	49.89	16	33.6	K2	J	13A	8143	A -20 5433
3		8.7A	9 1.222	-0.0011	20	-21 10 13.42	-0.021	15	0.33		1.239	16	33.6	13.07	16	33.6	G0	J	13A	8142	A -21 5290
4		8.7A	9 1.604	0.0006	20	-20 2 53.53	-0.001	15	0.33		1.595	16	33.6	53.51	16	33.6	A0	J	13A	8144	A -20 5434
5		8.4R	9 2.348	0.0008	18	-23 49 29.71	-0.023	18	0.34		2.335	16	33.6	29.34	16	33.6	B9	J	14	13340	E -2315141
6		8.0R	9 6.361	0.0027	18	-22 0 45.14	0.021	18	0.34		6.318	16	33.6	45.49	16	33.6	K5	J	14	13341K	E -2213701
7		9.3R	9 10.151	0.0036	18	-22 59 10.94	0.021	18	0.34		10.092	16	33.6	11.28	16	33.6	F2	J	14	13342	E -2315145
8		9.2R	9 11.543	-0.0007	18	-23 58 5.26	0.022	18	0.34		11.555	16	33.6	5.62	16	33.6	K	M	14	13343	E -2415105
9		9.4R	9 11.762	0.0016	18	-23 46 28.79	-0.039	18	0.34		11.757	16	33.6	28.15	16	33.6	K2	M	14	13344	E -2315143
10		8.6T	9 13.963	0.0032	15	-28 13 34.02	0.013	15	0.77		13.801	18	99.7	34.66	19	00.0	F5		GC	26440	C -2815497
11		9.2R	9 15.084	0.0005	18	-23 42 26.50	-0.002	18	0.34		15.077	16	33.6	26.47	16	33.6	B9	J	14	13345	E -2315147
12		9.2R	9 19.145	-0.0004	18	-24 4 19.81	-0.008	18	0.34		19.152	16	33.6	19.68	16	33.6	B9	J	14	13346	E -2415110
13		9.1R	9 23.261	-0.0004	15	-26 52 47.13	-0.000	15	0.29		23.268	16	33.6	47.13	16	33.6	K0	J	14	13347	E -2713671
14		9.0R	9 23.699	0.0009	18	-24 23 53.97	-0.025	18	0.34		23.684	16	33.6	53.56	16	33.6	A0	J	14	13348	E -2415111
15		9.2R	9 27.468	0.0010	18	-23 57 19.91	-0.019	18	0.34		27.452	16	33.6	19.60	16	33.6	F2	J	14	13349	E -2415113
16		6.4T	9 28.787	0.0019	04	-21 44 34.10	-0.012	05	0.24		28.690	09	00.2	33.54	09	02.3	K0		GC	26445	B*-21 5292
17		8.6R	9 28.943	-0.0002	18	-23 7 19.60	-0.037	18	0.34		28.946	16	33.6	18.99	16	33.6	B5	J	14	13350	E -2315152
18		9.2R	9 35.057	0.0024	15	-24 30 25.63	-0.019	15	0.29		35.018	16	33.6	25.31	16	33.6	F5	M	14	13351	E -2415117
19		9.2R	9 36.239	0.0005	15	-24 53 45.08	0.048	15	0.29		36.231	16	33.6	45.86	16	33.6	A0	J	14	13352	E -2513831
20		8.7R	9 37.086	0.0013	18	-22 16 26.84	-0.009	18	0.34		37.065	16	33.6	26.70	16	33.6	A0	J	14	13354	E -2213712
21		8.6R	9 38.585	0.0007	15	-25 45 14.70	0.017	15	0.29		38.573	16	33.6	14.98	16	33.6	G0	J	14	13353	E -2513832
22		7.9R	9 42.658	0.0041	18	-24 34 20.29	-0.021	18	0.34		42.591	16	33.6	19.94	16	33.6	A0	J	14	13357	E -2415119
23		8.5R	9 42.813	0.0028	15	-24 59 29.52	0.009	15	0.29		42.767	16	33.6	29.66	16	33.6	A5	J	14	13356	E -2513833
24		9.0R	9 44.659	0.0009	18	-26 36 33.78	-0.028	18	0.34		44.644	16	33.6	33.32	16	33.6	K2	M	14	13355	E -2613927
25		9.4R	9 47.167	-0.0002	18	-23 31 21.19	-0.004	18	0.34		47.170	16	33.6	21.12	16	33.6	G0	J	14	13358	E -2315157
26		9.4R	9 48.184	0.0015	18	-27 47 44.83	-0.049	18	0.34		48.160	16	33.6	44.03	16	33.6	G0	M	13B	12543	J -2713680
27		8.8T	9 52.741	0.0025	18	-27 5 5.74	-0.017	20	0.93		52.622	21	02.2	4.92	21	02.1	K0		GC	26460	C -2713682
28		8.6R	9 53.722	-0.0000	12	-22 53 3.51	0.009	12	0.25		53.723	16	33.6	3.66	16	33.6	B9	J	14	13359	E -2315160
29		9.1R	9 55.436	0.0013	12	-28 4 14.14	0.049	12	0.25		55.416	16	33.6	14.94	16	33.6	F2	J	13B	12547	J -2815518
30		8.1R	9 57.483	-0.0000	12	-29 43 22.21	-0.019	12	0.25		57.484	16	33.6	21.89	16	33.6	B9	J	13B	12546	J -2915840
31		9.0R	10 4.046	0.0025	18	-23 47 37.43	-0.032	18	0.34		4.005	16	33.6	36.91	16	33.6	F2	J	14	13360	E -2315161
32		8.5A	10 5.361	-0.0014	20	-20 16 30.77	-0.008	15	0.33		5.384	16	33.6	30.64	16	33.6	K2	J	13A	8152	A -20 5446
33		8.7R	10 7.712	0.0011	18	-23 19 17.63	-0.005	18	0.34		7.695	16	33.6	17.55	16	33.6	K0	J	14	13363	E -2315164
34		8.8R	10 8.423	-0.0011	18	-25 57 41.49	-0.008	18	0.34		8.441	16	33.6	41.36	16	33.6	A0	J	14	13361	E -2613935
35		5.9T	10 8.939	-0.0002	04	-25 59 32.44	-0.005	04	0.20		8.949	06	04.9	32.22	07	05.6	K0		GC	26463	C*-2613936
36		9.1R	10 9.438	-0.0011	12	-29 54 53.50	-0.051	12	0.25		9.456	16	33.6	52.67	16	33.6	K2	J	13B	12552	J -3016773
37		8.0Q	10 11.581	0.0029	12	-20 30 27.42	-0.018	09	0.50		11.452	18	05.7	26.55	17	01.6	F5		GC	26464	-20 5448
38		9.1R	10 12.382	-0.0042	20	-24 50 56.01	0.006	20	0.36		12.451	16	33.6	56.10	16	33.6	A0	J	14	13364	E -2415128
39		8.8R	10 12.788	0.0005	18	-24 6 55.73	0.003	18	0.34		12.781	16	33.6	55.78	16	33.6	K0	J	14	13365	E -2415129
40		9.2R	10 13.218	-0.0003	12	-27 58 21.03	0.017	12	0.25		13.224	16	33.6	21.31	16	33.6	A5	J	13B	12553	J -2815525
41		9.1R	10 16.937	0.0023	15	-25 37 10.36	0.008	15	0.29		16.899	16	33.6	10.49	16	33.6	A0	J	14	13366	E -2513839
42		9.3R	10 28.644	0.0015	18	-24 49 57.64	-0.079	18	0.34		28.619	16	33.6	56.34	16	33.6	G5	M	14	13367	E -2415134
43		9.3R	10 32.272	0.0022	18	-24 36 38.45	-0.056	18	0.34		32.235	16	33.6	37.53	16	33.6	K0	M	14	13368	E -2415135
44		8.6R	10 32.494	-0.0025	15	-27 28 49.42	-0.001	15	0.29		32.534	16	33.6	49.40	16	33.6	K2	J	13B	12557	J -2713692
45		9.2R	10 37.858	0.0017	18	-22 27 45.77	0.008	18	0.34		37.831	16	33.6	45.91	16	33.6	A2	J	14	13369	E -2213726
46		7.9T	10 38.515	-0.0020	12	-22 39 7.77	0.001	09	0.57		38.616	17	99.8	7.81	17	96.7	B9		GC	26473	-22 5014
47		8.8R	10 44.869	0.0031	18	-22 0 45.02	0.006	18	0.34		44.819	16	33.6	45.12	16	33.6	K0	J	14	13372	E -2213730
48		7.0T	10 50.339	-0.0011	08	-26 57 40.76	-0.078	08	0.42		50.395	10	99.5	36.70	12	98.0	F0		GC	26478	C -2713699
49		9.4R	10 51.704	0.0012	18	-22 35 12.20	0.004	15	0.31		51.685	16	33.6	12.26	16	33.6	K0	J	14	13373	E -2213733
50		9.0R	10 51.981	0.0011	18	-22 1 48.63	0.025	18	0.34		51.963	16	33.6	49.05	16	33.6	A0	J	14	13374	E -2213734
51		8.1R	19 10 57.410	0.0003	18	-23 1 5.99	-0.014	18	0.34		57.405	16	33.6	6.22	16	33.6	K2	J	14	13375	E -2315179
52		8.9A	11 1.732	0.0007	15	-21 17 26.35	-0.016	11	0.26		1.720	16	33.6	26.09	16	33.6	F0	J	13A	8162	A -21 5301
53		9.4R	11 2.370	-0.0027	18	-23 16 34.85	0.020	18	0.34		2.415	16	33.6	35.18	16	33.6	A2	J	14	13376	E -2315180
54		9.1A	11 4.728	0.0013	20	-20 0 44.89	-0.022	15	0.33		4.706	16	33.6	44.53	16	33.6	K5	J	13A	8164	A -20 5454
55		8.7R	11 6.074	0.0018	18	-23 9 11.54	-0.011	18	0.34		6.045	16	33.6	11.36	16	33.6	G5	J	14	13377	E -2315181
56		6.9T	11 9.192	0.0004	12	-22 8 49.11	0.010	13	0.57		9.173	09	06.1	49.56	10	06.4	A0		GC	26488	-22 5021
57		9.5R	11 11.661	0.0014	15	-23 1 20.46	-0.024	15	0.29		11.638	16	33.6	20.07	16	33.6	F5	J	14	13380	E -2315184
58		9.0R	11 12.241	0.0017	18	-26 39 31.19	0.010	18	0.34		12.214	16	33.6	31.35	16	33.6	M3	M	14	13378	E -2613957
59		9.1R	11 17.177	-0.0037	17	-28 45 38.86	-0.010	17	0.31		17.237	16	33.6	38.69	16	33.6	F5	J	13B	12565	J -2815545
60		9.5R	11 22.418	0.0002	18	-23 24 19.83	-0.022	18	0.34		22.414	16	33.6	19.47	16	33.6	F5	J	14	13381	E -2315190
61		8.5R	11 22.833	0.0007	15	-27 27 58.22	-0.006	15	0.29		22.822	16	33.6	58.12	16	33.6	A0	J	13B	12568	J -2713715
62		7.0T	11 26.148	0.0027	06	-29 55 6.13	-0.000	06	0.29		26.028	10	05.0	6.10	12	03.2	K5		GC	26497	C*-3016800
63		9.0R	11 26.303	0.0014	15	-25 25 45.46	0.019	15	0.29		26.281	16	33.6	45.76	16	33.6	K2	J	14	13382	E -2513851
64		9.2R	11 27.836	0.0014	17	-28 51 58.55	0.005	17	0.31		27.813	16	33.6	58.63	16	33.6	B8	J	13B	12570	J -2815549
65		7.1T	11 30.441	0.0000	10	-29 19 47.82	-0.032	09	0.57		30.439	18	96.2	45.98	17	93.0	A3		GC	26499	C -2915872
66		9.4R	11 32.699	-0.0015	21	-23 54 18.69	-0.054	21	0.38		32.724	16	33.6	17.80	16	33.6	F5	J	14	13383	E -2415147
67		8.8R	11 34.640	0.0021	18	-22 9 52.74	0.012	18	0.34		34.605	16	33.6	52.95	16	33.6	B9	J	14	13384	E -2213751
68		9.0A	11 36.834	0.0006	20	-21 19 21.73	-0.019	15	0.33		36.825	16	33.6	21.42	16	33.6	A2	J	13A	8168	A -21 5303
69		8.8R	11 44.021	0.0016	20	-27 36 53.93	0.035	20	0.36		43.995	16	33.6	54.50	16	33.6	K0	M	13B	12577	J -2713728
70		9.2A	11 44.230	-0.0002	20	-20 0 2.56	0.003	15	0.33		44.233	16	33.6	2.60	16	33.6	F0	J	13A	8170	A -20 5459
71		9.4R	11 49.504	0.0013	20	-27 38 0.39	0.023	20	0.36		49.483	16	33.6	0.77	16	33.6	K0	M	13B	12579	J -2713731
72		9.4R	11 49.952	-0.0008	20	-26 10 43.24	-0.014	20	0.36		49.965	16	33.6	43.01	16	33.6	A2	M	14	13386	E -2613971
73		9.1A	11 52.841	0.0022	20	-21 18 20.37	-0.033	15	0.33		52.805	16	33.6	19.83	16	33.6	K0	J	13A	8172	A -21 5305
74		8.9R	11 53.115	-0.0013	17	-28 18 37.85	-0.016	17	0.31		53.137	16	33.6	37.59	16	33.6	K0	J	13B	12580	J -2815557
75		9.1A	11 54.374	0.0015	20	-20 7 16.88	-0.042	15	0.33		54.349	16	33.6	16.19	16	33.6	F5	J	13A	8173	A -20 5460
76		8.8R	11 57.662	0.0002	21	-22 30 47.73	0.008	21	0.38		57.658	16	33.6	47.86	16	33.6	K7	M	14	13388	E -2213758
77		9.0R	12 1.568	0.0022	20	-25 57 53.76	0.027	20	0.36		1.532	16	33.6	54.20	16	33.6	A5	J	14	13387	E -2613974
78		9.2R	12 17.844	-0.0000	17	-29 54 29.80	-0.037	17	0.31		17.845	16	33.6	29.18	16	33.6	F5	J	13B	12581	J -3016817
79		8.6R	12 20.247	-0.0010	17	-28 29 52.85	0.009	17	0.31		20.264	16	33.6	53.00	16	33.6	K2	M	13B	12583	J -2815568
80		8.6R	12 21.831	0.0021	17	-29 33 55.69	0.012	17	0.31		21.796	16	33.6	55.88	16	33.6	K0	J	13B	12582	J -2915889
81		9.0A	12 24.874	-0.0005	20	-21 6 16.49	0.012	15	0.33		24.882	16	33.6	16.69	16	33.6	K5	J	13A	8177	A -21 5307
82		4.9T	12 28.542	0.0034	02	-25 20 40.58	-0.025	02	0.11		28.380	04	03.0	39.41	04	03.6	F5		GC	26516K	C*-2513866
83		6.2T	12 30.488	0.0085	04	-24 15 58.29	-0.095	04	0.20		30.117	07	06.6	54.18	07	06.6	F8		GC	26518	C -2415161
84		9.0R	12 32.786	-0.0004	20	-27 56 40.53	0.046	20	0.36		32.793	16	33.6	41.29	16	33.6	A0	J	13B	12584	J -2815574
85		9.3R	12 32.811	0.0005	18	-23 47 20.73	-0.138	18	0.34		32.803	16	33.6	18.47	16	33.6	G5	J	14	13392	E -2315208
86		9.3R	12 42.497	-0.0023	20	-29 36 33.63	0.012	20	0.36		42.535	16	33.6	33.82	16	33.6	G5	M	13B	12586	J -2915895
87		9.3R	12 47.281	0.0024	18	-22 27 21.41	0.008	18	0.34		47.240	16	33.6	21.55	16	33.6	A0	J	14	13393	E -2213764
88		9.3R	12 48.797	-0.0032	15	-22 31 21.09	0.010	15	0.29		48.850	16	33.6	21.25	16	33.6	A0	J	14	13395	E -2213765
89		9.4R	12 49.178	-0.0011	18	-23 56 12.50	-0.022	18	0.34		49.197	16	33.6	12.14	16	33.6	F5	M	14	13394	E -2415167
90		8.8R	12 53.463	0.0035	18	-24 10 23.11	0.020	18	0.34		53.405	16	33.6	23.44	16	33.6	K	M	14	13397	E -2415170
91		9.2R	12 55.436	0.0000	17	-28 2 12.17	0.031	17	0.31		55.436	16	33.6	12.68	16	33.6	A2	J	13B	12592	J -2815587
92		8.4R	12 56.247	-0.0005	15	-26 42 18.33	-0.022	15	0.29		56.255	16	33.6	17.97	16	33.6	K0	J	14	13396	E -2613992
93		9.0R	12 57.097	0.0016	18	-22 7 20.95	0.020	18	0.34		57.070	16	33.6	21.28	16	33.6	G5	J	14	13399	E -2213767
94		8.6R	12 57.281	-0.0001	18	-21 55 30.83	0.033	18	0.34		57.283	16	33.6	31.38	16	33.6	F2	J	14	13400	E -2213768
95		7.9R	12 59.820	0.0008	18	-24 48 21.23	0.030	18	0.34		59.806	16	33.6	21.72	16	33.6	A2	J	14	13398	E -2415172
96		9.3R	13 1.203	0.0007	18	-24 37 3.50	-0.021	18	0.34		1.192	16	33.6	3.15	16	33.6	K0	M	14	13401	E -2415173
97		8.7A	13 5.902	0.0025	20	-21 2 39.87	-0.036	15	0.33		5.861	16	33.6	39.28	16	33.6	G5	J	13A	8182	A -21 5312
98		7.4T	13 7.088	0.0003	06	-25 45 19.09	-0.022	06	0.29		7.076	10	04.7	18.04	10	02.5	K0		GC	26541	C -2513875
99		9.0A	13 11.552	0.0019	20	-20 32 37.75	0.029	15	0.33		11.520	16	33.6	38.23	16	33.6	A0	J	13A	8183	A -20 5468
00		9.3R	13 18.871	0.0026	20	-25 25 40.07	-0.015	20	0.36		18.827	16	33.6	39.81	16	33.6	A0	M	14	13403	E -2513879

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NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.		SOURCE CAT.	STAR NUMBER	DM NUMBER
1		8.5R	19 13 20.153	0.0021	12	-25 25 52.19	-0.003	12	0.25	20.119	16	33.6	52.14	16	33.6	A0	J	14	13404	E -2513881
2		8.7A	13 21.443	-0.0005	20	-21 2 20.72	0.027	15	0.33	21.451	16	33.6	21.16	16	33.6	G5	J	13A	8185	A -21 5315
3		9.4R	13 30.392	-0.0023	18	-22 18 58.57	-0.020	18	0.34	30.430	16	33.6	58.25	16	33.6	K5	J	14	13405	E -2213774
4		8.6R	13 37.116	0.0007	18	-21 53 8.67	0.045	18	0.34	37.104	16	33.6	9.41	16	33.6	G5	J	14	13407	E -2213777
5		7.2R	13 40.355	0.0006	17	-20 45 24.40	0.004	17	0.31	40.344	16	33.6	24,46	16	33.6	K2	J	13B	12599	J -2815606
6		9.0R	13 42.007	0.0011	20	-27 12 56.25	0.009	00	0.28	41.988	16	33.6	56.39	16	33.6	A3	J	13B	12601	J#-2713770
7		9.6R	13 45.228	-0.0018	21	-29 59 38.07	0.002	21	0.38	45.257	16	33.6	38.09	16	33.6	K0	M	13B	12600	J -3016838
8		9.4R	13 48.046	0.0001	20	-26 15 56.43	-0.003	20	0.36	48.044	16	33.6	56.38	16	33.6	K0	M	14	13408	E -2614011
9		9.0A	13 49.347	0.0019	20	-20 35 20.88	-0.006	15	0.33	49.316	16	33.6	20.78	16	33.6	F5	J	13A	8189	A -20 5471
10		9.1T	13 50.315	0.0028	18	-23 18 37.11	0.005	20	0.92	50.184	22	03.0	37.34	22	03.0	F2		GC	26559	C -2315228
11		9.1R	13 56.209	0.0033	20	-29 25 40.70	-0.000	20	0.36	56.154	16	33.6	40.70	16	33.6	A0	J	13B	12603	J -2915924
12		8.8R	13 58.251	-0.0012	18	-22 19 20.05	-0.014	18	0.34	58.270	16	33.6	19.83	16	33.6	F2	J	14	13410	E -2213782
13		8.5A	13 59.155	0.0003	20	-21 35 9.80	-0.009	15	0.33	59.149	16	33.6	9.66	16	33.6	K2	J	13A	8192	A -21 5325
14		8.5R	14 2.275	-0.0013	18	-22 2 17.03	-0.013	18	0.34	2.297	16	33.6	16.82	16	33.6	F5	J	14	13412	E -2213783
15		9.2R	14 3.980	-0.0017	21	-28 52 34.38	-0.046	21	0.38	4.007	16	33.6	33.59	16	33.6	K2	M	13B	12604	J -2915928
16		9.4R	14 9.525	-0.0053	21	-29 33 27.77	0.010	21	0.38	9.612	16	33.6	27.94	16	33.6	K0	M	13B	12606	J -2915930
17		8.5T	14 11.367	0.0115	20	-21 50 44.60	-0.143	20	0.92	10.844	21	04.7	38.00	21	03.8	G0		GC	26574	- -22 5040
18		8.0A	14 14.814	0.0021	20	-20 38 13.00	0.014	15	0.33	14.780	16	33.6	13.23	16	33.6	K2	J	13A	8196	A -20 5473
19		9.3R	14 16.476	-0.0014	15	-24 35 37.03	0.017	15	0.29	16.498	16	33.6	37.30	16	33.6	F5	M	14	13413	E -2415185
20		7.4T	14 16.751	0.0001	06	-21 9 44.23	-0.013	06	0.26	16.747	10	08.4	43.64	10	04.5	K0		GC	26576	- -21 5326
21		9.1R	14 18.327	0.0036	18	-23 55 58.10	-0.013	18	0.34	18.268	16	33.6	57.89	16	33.6	K5	J	14	13414	E -2415187
22		8.9R	14 19.759	-0.0009	20	-28 33 59.22	-0.040	20	0.36	19.753	16	33.6	58.56	16	33.6	A5	J	13B	12608	J -2815616
23		8.8A	14 23.189	0.0011	20	-20 48 39.74	0.007	15	0.33	23.171	16	33.6	39.85	16	33.6	K2	J	13A	8200	A -20 5476
24		9.0R	14 23.603	0.0027	20	-26 34 29.00	0.005	20	0.36	23.559	16	33.6	29.08	16	33.6	K2	M	14	13415	E -2614024
25		9.3R	14 30.323	-0.0006	21	-29 47 25.05	-0.049	21	0.38	30.340	16	33.6	24.24	16	33.6	K0	M	13B	12611	J -2915940
26		9.0R	14 34.463	0.0046	20	-27 20 38.10	0.003	20	0.36	34.388	16	33.6	38.14	16	33.6	G0	J	13B	12614	J -2713788
27		8.6R	14 35.286	0.0009	15	-25 39 57.34	0.005	15	0.29	35.271	16	33.6	57.42	16	33.6	K2	J	14	13416	E -2513904
28		8.9R	14 38.650	0.0006	18	-23 0 12.50	-0.005	18	0.34	38.640	16	33.6	12.42	16	33.6	K2	J	14	13417	E -2315246
29		9.0R	14 40.290	-0.0013	20	-27 39 7.44	-0.018	20	0.36	40.312	16	33.6	7.14	16	33.6	F5	J	13B	12615	J -2713791
30		8.7A	14 41.125	0.0013	20	-21 42 24.10	0.003	15	0.33	41.102	16	33.6	24.16	16	33.6	K2	J	13A	8204	A -21 5330
31		9.2R	14 43.537	-0.0044	20	-26 46 21.29	-0.064	20	0.36	43.609	16	33.6	20.24	16	33.6	G0	M	14	13418	E -2614027
32		8.5R	14 47.918	0.0023	20	-26 1 1.08	0.072	20	0.36	47.880	16	33.6	2.26	16	33.6	K0	J	14	13420	E -2614028
33		9.4R	14 48.618	0.0000	18	-24 47 49.24	-0.012	18	0.34	48.617	16	33.6	49.04	16	33.6	A3	J	14	13421	E -2415193
34		8.7A	14 50.154	0.0007	20	-21 35 50.84	-0.017	15	0.33	50.143	16	33.6	50.57	16	33.6	G5	J	13A	8210	A -21 5332
35		8.5R	14 58.794	0.0017	15	-25 9 46.91	0.003	15	0.29	58.766	16	33.6	46.95	16	33.6	A3	J	14	13423	E -2513911
36		9.2R	15 5.511	0.0027	18	-23 41 29.83	-0.003	18	0.34	5.468	16	33.6	29.78	16	33.6	K0	M	14	13424	E -2315257
37		9.0R	15 13.077	-0.0004	20	-26 55 4.38	0.035	20	0.36	13.083	16	33.6	4.96	16	33.6	K5	M	14	13425	E -2614035
38		9.5R	15 18.525	0.0037	18	-22 37 42.72	0.037	18	0.34	18.464	16	33.6	43.32	16	33.6	A3	J	14	13427	E -2213804
39		9.4R	15 19.948	0.0049	18	-23 17 16.07	-0.006	18	0.34	19.868	16	33.6	15.97	16	33.6	B9	J	14	13428	E -2315282
40		9.0R	15 20.867	0.0025	20	-24 54 32.42	0.009	20	0.36	20.829	16	33.6	32.56	16	33.6	A0	J	14	13426	E -2513919
41		9.3R	15 21.113	0.0003	18	-23 6 15.31	0.032	18	0.34	21.108	16	33.6	15.84	16	33.6	K5	J	14	13429	E -2315263
42		9.1R	15 23.455	-0.0031	21	-28 26 46.00	0.058	21	0.38	23.506	16	33.6	46.95	16	33.6	A3	J	13B	12620	J -2815638
43		8.6R	15 23.653	-0.0000	21	-27 54 4.03	-0.020	21	0.38	23.654	16	33.6	3.70	16	33.6	K0	J	13B	12621	J -2815639
44		8.4A	15 23.785	0.0012	20	-20 32 5.86	-0.062	15	0.33	23.765	16	33.6	4.84	16	33.6	K0	J	13A	8215	A -20 5486
45		9.0R	15 26.086	0.0016	18	-24 42 47.42	0.022	18	0.34	26.060	16	33.6	47.77	16	33.6	K0	J	14	13430	E -2415203
46		8.6R	15 37.525	0.0015	20	-26 9 59.04	0.008	20	0.36	37.500	16	33.6	59.17	16	33.6	B9	J	14	13431	E -2614043
47		8.7R	15 42.533	0.0022	18	-23 58 37.52	0.015	18	0.34	42.497	16	33.6	37.77	16	33.6	A0	J	14	13432	E -2415209
48		8.5R	15 43.825	-0.0017	20	-28 44 13.92	-0.017	20	0.36	43.853	16	33.6	13.64	16	33.6	K0	J	13B	12623	J -2815647
49		8.4R	15 44.589	-0.0010	20	-28 19 20.79	-0.001	20	0.36	44.606	16	33.6	20.77	16	33.6	K2	J	13B	12624	J -2815649
50		8.8R	15 52.991	0.0021	15	-25 21 33.06	-0.003	15	0.29	52.957	16	33.6	33.01	16	33.6	F0	J	14	13433	E -2513927
51		9.1R	19 15 53.532	-0.0004	20	-27 9 40.26	0.006	20	0.36	53.538	16	33.6	40.35	16	33.6	K0	M	13B	12626	J -2713815
52		9.0A	15 54.298	0.0020	20	-21 47 39.22	-0.003	15	0.33	54.265	16	33.6	39.18	16	33.6	A2	J	13A	8221	A -21 5337
53		8.1R	15 54.956	0.0033	18	-22 11 44.73	0.016	18	0.34	54.901	16	33.6	45.00	16	33.6	A2	J	14	13435	E -2213817
54		9.4R	15 55.650	-0.0008	18	-22 56 30.16	0.007	18	0.34	55.664	16	33.6	30.27	16	33.6	F8	J	14	13436	E -2315270
55		8.5R	15 56.344	0.0001	20	-26 8 0.16	0.008	20	0.36	56.341	16	33.6	0.29	16	33.6	F5	J	14	13434	E -2614051
56		9.3R	16 1.753	0.0004	18	-22 15 1.97	-0.060	18	0.34	1.746	16	33.6	0.99	16	33.6	G0	J	14	13437	E -2213818
57		9.1R	16 4.060	-0.0018	21	-27 56 16.70	0.032	21	0.38	4.089	16	33.6	17.22	16	33.6	A3	J	13B	12627	J -2815657
58		9.0R	16 6.132	0.0035	20	-28 12 45.88	-0.002	20	0.36	6.076	16	33.6	45.85	16	33.6	G0	M	13B	12629	J -2815658
59		9.2R	16 14.229	-0.0033	18	-24 28 40.95	-0.076	18	0.34	14.284	16	33.6	39.70	16	33.6	A0	J	14	13438	E -2415216
60		9.7R	16 16.054	0.0004	20	-23 35 19.23	-0.016	20	0.36	16.048	16	33.6	18.97	16	33.6			14	13440	E -2315275
61		8.4R	16 16.299	0.0024	18	-23 39 1.62	0.004	18	0.34	16.261	16	33.6	1.69	16	33.6	K0	J	14	13439	E -2315276
62		8.0R	16 17.335	-0.0100	20	-29 6 49.86	0.001	20	0.36	17.499	16	33.6	49.87	16	33.6	F8	J	13B	12632	J -2915977
63		8.5A	16 18.388	0.0013	20	-20 59 4.66	-0.009	15	0.33	18.367	16	33.6	4.51	16	33.6	K0	J	13A	8226	A -21 5340
64		9.0R	16 20.446	-0.0001	18	-22 2 7.66	-0.003	18	0.34	20.447	16	33.6	7.62	16	33.6	K2	J	14	13442	E -2213826
65		8.8R	16 22.649	0.0012	21	-28 38 49.12	-0.034	21	0.38	22.630	16	33.6	48.56	16	33.6	F8	J	13B	12633	J -2815663
66		9.1R	16 25.250	0.0013	18	-25 55 12.67	-0.024	18	0.34	25.229	16	33.6	12.28	16	33.6	A2	J	14	13441	E -2614057
67		9.1A	16 25.837	0.0016	20	-20 1 50.77	-0.015	15	0.33	25.811	16	33.6	50.52	16	33.6	F5	J	13A	8228	A -20 5492
68		9.0R	16 29.862	0.0007	20	-26 17 6.21	0.025	20	0.36	29.869	16	33.6	6.62	16	33.6	F8	J	14	13443	E -2614058
69		8.8R	16 31.293	-0.0032	21	-28 41 52.29	-0.022	21	0.38	31.346	16	33.6	51.93	16	33.6	G0	J	13B	12634K	J -2815665
70		9.1A	16 31.380	-0.0019	20	-20 31 5.27	-0.148	15	0.33	31.411	16	33.6	2.84	16	33.6	G5	J	13A	8230	A -20 5493
71		9.3R	16 32.167	0.0027	18	-22 2 24.05	-0.022	18	0.34	32.123	16	33.6	23.70	16	33.6	G0	J	14	13444	E -2213829
72		8.7A	16 34.685	0.0011	20	-21 16 34.35	-0.009	15	0.33	34.667	16	33.6	34.20	16	33.6	G5	J	13A	8231	A -21 5342
73		9.4R	16 36.604	-0.0056	18	-23 19 10.56	0.013	18	0.34	36.695	16	33.6	10.77	16	33.6	A0	J	14	13445	E -2315282
74		8.2R	16 44.400	-0.0004	18	-22 16 48.62	-0.060	18	0.34	44.406	16	33.6	47.64	16	33.6	F8	J	14	13446	E -2213832
75		9.2R	16 44.871	-0.0065	21	-29 56 20.48	-0.029	21	0.38	44.978	16	33.6	20.00	16	33.6	F0	M	13B	12638	J -3016904
76		9.1R	16 45.188	0.0017	18	-22 44 6.16	-0.014	18	0.34	45.158	16	33.6	5.93	16	33.6	K2	J	14	13447	E -2213833
77		9.3A	16 52.697	0.0010	20	-21 14 36.60	-0.021	15	0.33	52.680	16	33.6	36.25	16	33.6	K0	J	13A	8233	A -21 5344
78		9.0R	16 53.409	0.0036	15	-25 58 55.50	-0.024	15	0.29	53.349	16	33.6	55.11	16	33.6	F5	J	14	13448	E -2614068
79		9.2R	16 57.754	-0.0005	12	-29 20 10.99	-0.016	12	0.25	57.762	16	33.6	10.73	16	33.6	A0	J	13B	12640	J -2915992
80		8.8R	16 59.179	0.0023	20	-26 57 6.64	0.097	20	0.36	59.142	16	33.6	8.23	16	33.6	K2	M	13B	12641	J -2713837
81		8.5R	17 2.061	0.0020	18	-26 32 36.75	-0.015	18	0.34	2.029	16	33.6	36.50	16	33.6	F2	J	14	13449	E -2614069
82		9.6R	17 5.173	0.0005	18	-24 28 15.83	0.006	18	0.34	5.164	16	33.6	15.93	16	33.6	K0	M	14	13451	E -2415228
83		9.5R	17 8.392	0.0002	20	-26 52 21.01	-0.008	20	0.36	8.389	16	33.6	20.87	16	33.6	A0	J	14	13450	E -2713839
84		9.0A	17 9.204	-0.0010	20	-20 0 0.68	-0.007	15	0.33	9.220	16	33.6	0.56	16	33.6	G0	J	13A	8235	A -20 5498
85		9.1R	17 12.042	0.0029	18	-23 29 2.57	0.011	18	0.34	11.994	16	33.6	2.75	16	33.6	F2	J	14	13452	E -2315294
86		9.0R	17 13.094	0.0014	15	-26 54 53.50	-0.015	15	0.29	13.071	16	33.6	53.25	16	33.6	K5	J	13B	12644	J -2713841
87		8.5R	17 14.854	0.0044	18	-24 43 31.52	-0.004	18	0.34	14.782	16	33.6	31.45	16	33.6	K0	J	14	13453	E -2415229
88		9.2R	17 19.984	-0.0010	15	-25 25 12.08	-0.008	15	0.29	20.000	16	33.6	11.95	16	33.6	K0	M	14	13454	E -2513950
89		8.8R	17 27.226	0.0026	18	-21 57 33.48	0.040	18	0.34	27.184	16	33.6	34.14	16	33.6	F0	J	14	13455	E -2213843
90		8.7T	17 29.711	0.0029	14	-28 5 36.86	-0.008	14	0.72	29.571	22	01.8	36.46	21	01.1	K5		GC	26658	C -2815685
91		9.1A	17 30.536	0.0002	20	-21 21 14.91	0.009	15	0.33	30.533	16	33.6	15.06	16	33.6	G5	J	13A	8237	A -21 5347
92		5.5T	17 38.388	-0.0011	05	-22 29 49.85	0.035	04	0.24	38.439	07	01.6	51.62	09	99.9	A5		GC	26664	- -22 5063
93		7.0T	17 38.914	-0.0002	08	-24 18 9.59	-0.126	07	0.39	38.926	09	00.0	3.05	10	98.0	K0		GC	26665	C -2415236
94		8.4R	17 41.016	0.0008	18	-23 8 59.01	-0.022	18	0.34	41.004	16	33.6	58.65	16	33.6	K0	J	14	13458	E -2315298
95		8.7R	17 44.369	0.0027	18	-23 48 34.24	-0.041	18	0.34	44.326	16	33.6	33.57	16	33.6	A5	J	14	13459	E -2315299
96		8.8R	17 48.318	0.0022	13	-29 14 29.51	-0.022	28	0.40	48.281	16	33.6	29.15	16	33.6	K2	M	13B	12649	J -2916014
97		8.9R	17 52.966	0.0039	18	-23 55 48.59	0.020	18	0.34	52.903	16	33.6	48.92	16	33.6	A5	J	14	13461	E -2415241
98		8.4R	17 54.350	0.0041	12	-25 37 36.92	-0.026	12	0.25	54.282	16	33.6	36.49	16	33.6	F8	J	14	13460	E -2513957
99		8.8A	17 54.752	0.0018	20	-21 37 47.74	-0.005	15	0.33	54.724	16	33.6	47.67	16	33.6	B9	J	13A	8241	A -21 5351
00		8.6R	17 55.722	-0.0010	20	-28 35 53.35	-0.029	20	0.36	55.737	16	33.6	52.87	16	33.6	K0	J	13B	12650	J -2815695

188000

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	EPOCH 1950 μ s	EPOCH 1950 σ_μ ″.001	EPOCH 1950 δ_{1950} ° ′ ″	EPOCH 1950 μ' ″	EPOCH 1950 σ'_μ ″.001	EPOCH 1950 σ_{1950} ″	ORIGINAL EPOCH α_2 s	ORIGINAL EPOCH σ ″.01	ORIGINAL EPOCH ep.	ORIGINAL EPOCH δ_2 ″	ORIGINAL EPOCH σ' ″.01	ORIGINAL EPOCH ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	-20° 19H DM NUMBER
1		8.2R	19 17 56.216	0.0016	18	-21 53 45.49	-0.011	18	0.34	56.189	16	33.6	45.68	16	33.6	A2 J	14	13462	E -2213850
2		9.2R	18 1.334	0.0030	15	-25 41 3.59	-0.024	15	0.29	1.284	16	33.6	3.20	16	33.6	A0 J	14	13463	E -2513959
3		9.3R	18 2.537	0.0025	18	-22 10 10.50	0.004	18	0.34	2.496	16	33.6	10.57	16	33.6	F5 J	14	13465	E -2213852
4		8.8A	18 2.929	0.0014	20	-20 47 16.98	-0.007	15	0.33	2.906	16	33.6	16.86	16	33.6	K2 J	13A	8244	A -20 5502
5		8.0R	18 3.104	-0.0025	18	-23 42 49.84	-0.025	18	0.34	3.146	16	33.6	49.43	16	33.6	K0 J	14	13464	E -2315307
6		9.1R	18 3.775	-0.0003	18	-27 9 52.73	-0.011	18	0.34	3.780	16	33.6	52.55	16	33.6	F5 J	13B	12651K	J -2713860
7		8.5R	18 8.422	-0.0004	20	-28 35 24.23	-0.041	20	0.36	8.428	16	33.6	23.56	16	33.6	K0 J	13B	12653	J -2815701
8		9.2R	18 9.440	-0.0039	21	-29 55 29.25	-0.046	21	0.38	9.504	16	33.6	28.49	16	33.6	F8 M	13B	12652	J -3016937
9		9.1R	18 10.722	0.0002	18	-26 14 46.33	-0.013	18	0.34	10.719	16	33.6	46.12	16	33.6	F0 M	14	13466	E -2614089
10		8.9R	18 13.483	-0.0015	21	-29 34 4.50	0.010	21	0.38	13.507	16	33.6	4.67	16	33.6	A0 J	13B	12654	J -2916021
11		9.1R	18 19.381	0.0019	17	-28 0 1.98	-0.118	17	0.31	19.351	16	33.6	0.04	16	33.6	G0 M	13B	12655	J -2815705
12		9.0R	18 23.177	-0.0000	15	-25 17 48.93	0.011	15	0.29	23.178	16	33.6	49.10	16	33.6	A2 J	14	13467	E -2513962
13		8.6R	18 28.567	-0.0018	21	-28 19 16.73	0.029	21	0.38	28.596	16	33.6	17.20	16	33.6	G5 J	13B	12658	J -2815709
14		7.0T	18 29.345	0.0093	06	-29 42 2.14	-0.005	06	0.32	28.918	12	03.9	1.87	14	01.5	G0	GC	26681	C -2916026
15		9.1R	18 36.976	0.0025	18	-24 10 8.06	0.000	18	0.34	36.935	16	33.6	8.06	16	33.6	M2 M	14	13469	E -2415253
16		9.2R	18 38.645	0.0014	21	-28 50 17.23	-0.016	21	0.38	38.622	16	33.6	16.96	16	33.6	F2 J	13B	12659	J -2815710
17		7.4T	18 39.538	-0.0006	09	-26 15 40.82	-0.035	08	0.45	39.570	10	00.1	38.99	12	97.9	K2	GC	26688	C -2614096
18		9.3R	18 46.041	-0.0025	21	-25 13 13.56	0.018	21	0.38	46.083	16	33.6	13.85	16	33.6	G5 J	14	13470	E -2513967
19		9.0R	18 46.607	0.0017	18	-23 6 56.28	-0.019	18	0.34	46.579	16	33.6	55.97	16	33.6	K0 J	14	13472	E -2315325
20		8.5R	18 49.662	0.0015	15	-26 16 20.83	0.023	15	0.29	49.637	16	33.6	21.21	16	33.6	F2 J	14	13471	E -2614097
21		8.5R	18 50.096	0.0036	18	-24 31 5.61	0.024	18	0.34	50.037	16	33.6	6.00	16	33.6	K5 J	14	13473	E -2415256
22		9.1R	18 51.921	0.0018	20	-25 49 9.51	-0.009	20	0.36	51.891	16	33.6	9.36	16	33.6	A2 J	14	13474	E -2513969
23		9.0R	18 52.535	-0.0002	17	-29 43 45.36	0.003	17	0.31	52.538	16	33.6	43.41	16	33.6	K0 J	13B	12661	J -2916040
24		8.9R	18 53.708	0.0029	18	-24 28 57.27	-0.005	18	0.34	53.661	16	33.6	57.19	16	33.6	K0 M	14	13475	E -2415257
25		7.1T	18 54.034	0.0109	11	-29 37 8.02	-0.009	09	0.57	53.468	15	97.9	7.54	18	94.1	F8	GC	26699	C -2916041
26		9.3R	18 54.555	0.0032	18	-24 6 6.84	-0.015	18	0.34	54.503	16	33.6	6.60	16	33.6	K0 M	14	13476	E -2415258
27		9.0A	18 54.632	0.0062	20	-21 44 23.43	-0.014	15	0.33	54.531	16	33.6	23.21	16	33.6	F2 J	13A	8250	A -21 5359
28		8.5R	18 56.259	0.0001	18	-23 4 30.56	0.027	18	0.34	56.257	16	33.6	31.00	16	33.6	K0 J	14	13477	E -2315327
29		9.1R	18 58.110	0.0016	12	-27 10 42.19	0.020	12	0.25	58.084	16	33.6	42.51	16	33.6	A3 J	13B	12664	J -2713871
30		9.0A	19 5.867	0.0005	20	-20 37 42.65	-0.014	15	0.33	5.859	16	33.6	42.42	16	33.6	K0 J	13A	8252	A -20 5511
31		9.8R	19 14.942	0.0012	22	-29 3 26.30	-0.038	22	0.40	14.923	16	33.6	25.67	16	33.6	K M	13B	12667	J -2916048
32		8.4R	19 16.294	0.0019	18	-22 10 10.81	-0.022	18	0.34	16.262	16	33.6	10.46	16	33.6	K0 J	14	13480	E -2213873
33		9.7R	19 16.681	0.0024	15	-22 1 6.49	-0.050	15	0.29	16.641	16	33.6	5.68	16	33.6	G5 M	14	13481	E -2213874
34		9.1R	19 17.427	-0.0010	13	-29 3 3.03	-0.018	13	0.27	17.444	16	33.6	2.73	16	33.6	K0 M	13B	12668	J -2916049
35		9.5R	19 19.184	0.0002	18	-22 31 18.05	0.010	18	0.34	19.181	16	33.6	18.21	16	33.6	A0 J	14	13482K	E -2213875
36		9.3R	19 21.287	0.0042	18	-23 6 47.37	-0.011	18	0.34	21.218	16	33.6	47.19	16	33.6	G5 M	14	13484	E -2315336
37		9.0R	19 23.230	0.0031	20	-28 39 38.10	0.028	20	0.36	23.179	16	33.6	38.56	16	33.6	K0 M	13B	12670	J -2815728
38		9.1R	19 26.387	0.0025	18	-22 40 29.17	0.015	18	0.34	26.346	16	33.6	29.41	16	33.6	F0 J	14	13485	E -2213877
39		8.6A	19 35.394	0.0029	20	-20 24 47.09	0.008	15	0.33	35.346	16	33.6	47.22	16	33.6	G5 J	13A	8257	A -20 5514
40		8.9R	19 38.009	0.0017	18	-23 40 36.68	-0.021	18	0.34	37.981	16	33.6	36.33	16	33.6	K0 J	14	13486	E -2315343
41		9.1R	19 38.605	-0.0015	21	-29 41 8.79	0.003	21	0.38	38.629	16	33.6	8.84	16	33.6	A2 J	13B	12671	J -2916056
42		9.1R	19 40.791	-0.0015	18	-21 58 29.70	-0.027	18	0.34	40.816	16	33.6	29.26	16	33.6	A5 J	14	13487	E -2213883
43		6.9T	19 42.783	-0.0002	08	-20 44 16.77	-0.094	11	0.45	42.792	10	02.4	12.44	12	03.9	K0	GC	26722	-20 5516
44		8.9A	19 47.391	0.0013	20	-20 25 7.51	0.013	15	0.33	47.369	16	33.6	7.72	16	33.6	G5 J	13A	8261	A -20 5517
45		7.3R	19 47.947	0.0028	20	-29 9 40.56	0.002	20	0.36	47.901	16	33.6	40.59	16	33.6	K5 J	13B	12673	J -2916059
46		9.4R	19 48.413	0.0040	18	-23 34 10.03	0.041	18	0.34	48.347	16	33.6	10.70	16	33.6	G5 M	14	13488	E -2315349
47		9.0R	19 49.510	0.0023	18	-22 29 21.85	-0.006	18	0.34	49.473	16	33.6	21.76	16	33.6	F2 J	14	13489	E -2213886
48		8.6R	19 57.097	0.0015	15	-26 49 8.37	-0.063	15	0.29	57.072	16	33.6	7.34	16	33.6	G0 J	14	13490	E -2614114
49		9.5R	20 1.395	0.0027	20	-25 34 30.51	-0.008	20	0.36	1.351	16	33.6	30.38	16	33.6	K0 M	14	13491	E -2513991
50		9.1A	20 1.461	0.0016	20	-20 52 56.15	0.017	15	0.33	1.435	16	33.6	56.43	16	33.6	G0 J	13A	8263	A -21 5367
51		8.0R	19 20 6.098	0.0003	18	-25 34 6.39	0.000	18	0.34	6.093	16	33.6	6.39	16	33.6	K0 J	14	13492	E -2513992
52		9.1R	20 10.139	-0.0003	18	-26 19 35.35	-0.023	18	0.34	10.143	16	33.6	34.97	16	33.6	K0 M	14	13493	E -2614119
53		9.2A	20 13.011	0.0001	20	-21 20 42.46	-0.004	15	0.33	13.010	16	33.6	42.39	16	33.6	K5 J	13A	8267	A -21 5369
54		8.9A	20 14.746	-0.0004	20	-20 3 8.27	-0.015	15	0.33	14.753	16	33.6	8.02	16	33.6	F8 J	13A	8268	A -20 5520
55		9.2R	20 15.452	0.0019	18	-24 8 35.53	-0.018	18	0.34	15.421	16	33.6	35.24	16	33.6	K5 M	14	13494	E -2415283
56		8.6R	20 21.279	-0.0003	18	-27 27 43.72	-0.043	18	0.34	21.284	16	33.6	43.01	16	33.6	K2 J	13B	12679	J -2713892
57		8.5R	20 21.939	0.0012	18	-24 18 55.31	0.041	18	0.34	21.920	16	33.6	55.98	16	33.6	K2 J	14	13495	E -2415285
58		8.8T	20 24.398	0.0060	14	-27 52 24.73	-0.030	16	0.76	24.108	21	01.6	23.29	21	02.2	K0	GC	26734	C -2815746
59		7.9R	20 31.314	-0.0001	20	-28 46 2.16	-0.023	20	0.36	31.316	16	33.6	1.78	16	33.6	K2 J	13B	12681	J -2815747
60		9.4R	20 37.211	0.0010	18	-23 40 48.58	0.053	18	0.34	37.195	16	33.6	49.45	16	33.6	A2 J	14	13497	E -2315362
61		9.0R	20 38.629	-0.0004	18	-27 29 53.38	0.027	18	0.34	38.635	16	33.6	53.82	16	33.6	K0 J	13B	12684	J -2713899
62		8.0R	20 39.186	0.0012	12	-28 46 33.31	-0.008	12	0.25	39.165	16	33.6	33.17	16	33.6	K2 J	13B	12683	J -2815750
63		9.5R	20 40.349	0.0017	18	-22 23 7.91	0.048	18	0.34	40.321	16	33.6	8.71	16	33.6	A3 M	14	13499	E -2213899
64		9.2R	20 41.249	0.0033	18	-23 9 8.20	-0.003	18	0.34	41.195	16	33.6	8.15	16	33.6	K0 M	14	13498	E -2315363
65		8.8R	20 50.616	-0.0027	17	-28 48 6.36	0.030	17	0.31	50.660	16	33.6	6.85	16	33.6	F0 J	13B	12685	J -2815753
66		9.4R	20 55.305	-0.0024	20	-27 57 8.85	0.003	20	0.36	55.344	16	33.6	8.90	16	33.6	M3 M	13B	12686	J -2815755
67		8.9A	20 57.162	0.0011	20	-20 18 0.02	-0.013	15	0.33	57.144	16	33.6	-59.80	16	33.6	M1 J	13A	8275	A -20 5525
68		8.7A	21 0.436	0.0026	20	-21 51 3.50	-0.020	15	0.33	0.392	16	33.6	3.18	16	33.6	G0 J	13A	8276	A -22 5089
69		9.0R	21 2.700	0.0009	20	-25 26 44.75	0.014	20	0.36	2.686	16	33.6	44.97	16	33.6	K2 J	14	13500	E -2514008
70		8.5R	21 2.779	0.0011	18	-23 9 36.52	0.005	18	0.34	2.761	16	33.6	36.60	16	33.6	K2 J	14	13501	E -2315370
71		8.9R	21 3.465	0.0013	18	-23 24 42.37	-0.013	18	0.34	3.443	16	33.6	42.15	16	33.6	A0 J	14	13502	E -2315369
72		9.4R	21 6.935	-0.0006	18	-22 57 24.03	-0.031	18	0.34	6.945	16	33.6	23.52	16	33.6	K2 M	14	13504	E -2315373
73		8.5R	21 7.737	0.0002	21	-27 56 34.86	-0.000	21	0.38	7.734	16	33.6	34.86	16	33.6	K0 J	13B	12687	J -2815763
74		9.3R	21 8.221	-0.0008	20	-26 18 29.06	0.000	20	0.36	8.234	16	33.6	29.06	16	33.6	G5 J	14	13503	E -2614136
75		9.6R	21 8.949	-0.0011	20	-23 30 20.44	0.004	20	0.36	8.967	16	33.6	20.51	16	33.6	G0 M	14	13505	E -2315372
76		8.9R	21 11.799	-0.0006	18	-23 32 13.72	0.004	00	0.26	11.808	16	33.6	13.79	16	33.6	F0 J	14	13506	E*-2315376
77		9.0A	21 15.194	0.0018	20	-20 23 35.65	0.016	15	0.33	15.165	16	33.6	35.91	16	33.6	G5 J	13A	8278	A -20 5528
78		8.8R	21 17.837	0.0053	18	-22 39 57.80	0.052	18	0.34	17.750	16	33.6	58.65	16	33.6	F5 J	14	13507	E -2213911
79		5.9T	21 23.208	0.0004	04	-27 57 50.99	-0.000	05	0.24	23.188	09	03.0	50.98	09	02.0	B3	GC	26766	C -2815767
80		8.4R	21 24.722	0.0018	18	-22 43 6.28	-0.048	18	0.34	24.692	16	33.6	5.49	16	33.6	K0 J	14	13508	E -2213913
81		8.2R	21 24.953	0.0000	17	-28 42 45.62	0.008	17	0.31	24.952	16	33.6	45.75	16	33.6	K5 J	13B	12691	J -2815766
82		9.0R	21 26.989	-0.0001	15	-27 6 40.04	0.014	15	0.29	26.990	16	33.6	40.27	16	33.6	A0 J	13B	12692	J -2713917
83		9.1R	21 32.977	0.0000	18	-23 16 26.51	-0.191	18	0.34	32.976	16	33.6	23.37	16	33.6	G0 J	14	13509	E -2315381
84		8.7R	21 35.380	0.0020	15	-22 47 40.83	-0.009	15	0.29	35.347	16	33.6	40.68	16	33.6	K0 J	14	13510	E -2213915
85		9.2R	21 36.446	0.0023	18	-22 41 40.68	0.051	18	0.34	36.408	16	33.6	41.52	16	33.6		14	13511	E -2213917
86		8.8A	21 37.949	0.0021	20	-20 15 21.96	-0.025	15	0.33	37.914	16	33.6	21.55	16	33.6	G0 J	13A	8284	A -20 5530
87		8.2R	21 38.320	0.0005	18	-22 40 16.31	0.015	18	0.34	38.311	16	33.6	16.56	16	33.6	A0 J	14	13512	E -2213918
88		9.1A	21 39.595	0.0010	20	-22 25 28.16	-0.024	15	0.33	39.579	16	33.6	27.77	16	33.6	A3 J	13A	8283	A -22 5095
89		9.3R	21 44.264	0.0036	18	-22 49 5.50	-0.014	18	0.34	44.206	16	33.6	5.27	16	33.6	K0 M	14	13513	E -2213921
90		9.0R	21 50.156	0.0010	13	-28 10 40.57	-0.005	13	0.27	50.141	16	33.6	40.49	16	33.6	K0 M	13B	12693	J -2815777
91		8.6A	21 51.021	0.0017	20	-20 41 28.30	0.010	15	0.33	50.993	16	33.6	28.46	16	33.6	K0 J	13A	8285	A -20 5531
92		9.4R	21 51.597	-0.0007	18	-26 7 28.14	-0.048	18	0.34	51.609	16	33.6	27.35	16	33.6	K0 M	14	13514	E -2614157
93		6.1T	21 55.218	0.0002	11	-29 24 27.54	-0.050	09	0.57	55.206	15	98.4	24.65	17	92.5	K0	GC	26777K	C -2916104
94		9.0R	21 56.855	0.0034	20	-27 49 21.29	-0.026	20	0.36	56.800	16	33.6	20.86	16	33.6	K0 M	13B	12696	J -2713923
95		9.4R	22 1.245	0.0032	18	-21 58 25.89	-0.008	18	0.34	1.193	16	33.6	25.77	16	33.6	K0 M	14	13516	E -2213929
96		9.0R	22 4.235	0.0034	20	-25 56 56.40	-0.035	20	0.36	4.179	16	33.6	55.83	16	33.6	G5 J	14	13515	E -2614165
97		9.3R	22 5.401	0.0021	20	-27 2 5.13	-0.017	20	0.36	5.366	16	33.6	4.85	16	33.6	F5 M	13B	12698	J -2713926
98		8.0R	22 5.747	0.0038	18	-23 8 27.09	-0.024	18	0.34	5.685	16	33.6	26.70	16	33.6	F8 J	14	13517	E -2315389
99		9.1A	22 6.347	-0.0003	20	-20 48 55.31	-0.110	15	0.33	6.352	16	33.6	53.50	16	33.6	F8 J	13A	8289	A -20 5534
00		8.8R	22 7.133	-0.0005	18	-23 27 20.05	0.026	18	0.34	7.141	16	33.6	20.47	16	33.6	F8 J	14	13518	E -2315388

188100			EPOCH 1950								ORIGINAL EPOCH						SP.	SOURCE		-20° 19H
NUMBER	MAGNITUDES m_{pg}	m_v	α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.		CAT.	STAR NUMBER	DM NUMBER
1		5.0T	19 22 14.012	0.0041	03	-24 36 26.63	-0.054	03	0.17	13.895	06	99.3	23.84	07	98.7	AS	GC	26769	C#-2415303
2		7.1T	22 20.044	-0.0019	06	-24 30 42.04	-0.000	07	0.37	20.153	12	92.6	42.02	14	95.6	B9	GC	26753	C#-2415306
3		9.2R	22 24.369	-0.0022	17	-28 9 35.31	-0.084	17	0.31	24.406	16	33.6	33.93	16	33.6	G0 J	13B	12701	J -2815793
4		9.4F	22 25.283	0.0019	20	-26 33 34.10	-0.021	20	0.36	25.252	16	33.6	33.75	16	33.6	F5 M	14	13521	E -2614170
5		5.6T	22 28.169	-0.0010	03	-24 3 43.16	-0.004	04	0.20	28.216	07	99.9	42.97	07	98.7	K2	GC	26801	C#-2415307
6		9.2R	22 34.488	0.0009	18	-23 31 22.49	-0.020	18	0.34	34.474	16	33.6	22.16	16	33.6	K0 M	14	13523	E -2315398
7		9.1R	22 36.353	0.0014	18	-22 36 28.93	0.017	18	0.34	36.330	16	33.6	29.21	16	33.6	A3 J	14	13524	E -2213937
8		9.1R	22 37.272	-0.0015	17	-28 46 50.36	-0.041	17	0.31	37.296	16	33.6	49.69	16	33.6	G0 J	13B	12703	J -2815797
9		9.0R	22 37.312	0.0001	18	-22 25 34.52	0.003	18	0.34	37.310	16	33.6	34.57	16	33.6	K0 J	14	13525	E -2213938
10		9.2T	22 39.136	0.0000	18	-27 39 2.12	-0.014	20	0.93	39.136	27	01.8	1.47	22	03.9	F0	GC	26810	C -2713939
11		9.1R	22 39.639	0.0020	18	-23 14 12.76	-0.018	18	0.34	39.606	16	33.6	12.46	16	33.6	A0 J	14	13526	E -2314402
12		7.1T	22 43.739	0.0049	16	-22 33 1.07	-0.008	15	0.79	43.498	18	00.7	0.66	18	99.4	K0	GC	26812	-22 5100
13		9.1R	22 44.835	0.0007	20	-26 0 5.65	-0.001	20	0.36	44.823	16	33.6	5.63	16	33.6	A3 J	14	13527	E -2614175
14		9.1R	22 45.993	0.0005	17	-27 57 55.98	-0.035	17	0.31	45.985	16	33.6	55.40	16	33.6	A0 J	13B	12706	J -2815799
15		9.1R	22 55.995	0.0022	20	-26 24 20.92	0.324	20	0.36	55.959	16	33.6	21.31	16	33.6	K0 M	13B	12707	J -2815803
16		8.9A	22 56.592	0.0008	17	-20 38 56.29	-0.016	12	0.28	56.579	16	33.6	56.02	16	33.6	K0 J	13A	8302	A -20 5546
17		8.8R	22 59.446	0.0019	18	-22 23 54.77	-0.017	18	0.34	59.415	16	33.6	54.50	16	33.6	K0 J	14	13529	E -2213940
18		8.2A	23 8.682	0.0000	20	-21 38 41.09	-0.005	15	0.33	8.682	16	33.6	41.02	16	33.6	BA J	13A	8304	A -21 5386
19		9.3R	23 13.431	0.0040	20	-27 47 18.60	0.022	20	0.36	13.366	16	33.6	18.96	16	33.6	F5 J	13B	12709	J -2713950
20		8.7R	23 20.059	0.0034	18	-22 2 28.56	-0.021	18	0.34	20.003	16	33.6	28.22	16	33.6	K0 J	14	13530	E -2213948
21		5.6T	23 20.271	0.0024	04	-21 52 38.41	0.000	04	0.18	20.162	06	05.2	38.42	06	04.9	K0	GC	26823	B#-22 5105
22		9.0R	23 26.493	0.0002	20	-29 21 59.46	-0.061	20	0.36	26.490	16	33.6	58.46	16	33.6	K0 M	13B	12713	J -2916134
23		7.5T	23 29.550	-0.0009	10	-21 20 47.31	-0.022	08	0.45	29.593	15	02.1	46.21	14	00.0	K2	GC	26828	B#-21 5388
24		8.7A	23 36.279	0.0039	20	-20 41 19.85	0.010	15	0.33	36.215	16	33.6	20.01	16	33.6	F2 J	13A	8309	A -20 5551
25		7.5R	23 37.494	-0.0005	18	-26 25 9.38	-0.026	18	0.34	37.502	16	33.6	8.95	16	33.6	A2 J	14	13532	E -2614192
26		8.5R	23 40.893	-0.0000	12	-25 41 4.08	-0.042	12	0.25	40.893	16	33.6	3.39	16	33.6	F8 J	14	13533	E -2514052
27		5.7H	23 46.997	0.0015	02	-29 50 37.85	-0.045	02	0.09	46.951	05	19.0	36.32	04	16.0	B9	F4	731	C -2916140
28		9.5R	23 53.659	0.0016	18	-25 25 41.07	0.043	18	0.34	53.633	16	33.6	41.78	16	33.6	A0 M	14	13535	E -2514055
29		8.7R	23 54.229	0.0032	18	-26 53 4.24	-0.049	18	0.34	54.177	16	33.6	3.43	16	33.6	G5 J	14	13534	E -2713900
30		8.5R	23 56.274	0.0033	18	-24 8 50.78	-0.005	18	0.34	56.220	16	33.6	50.70	16	33.6	A0 J	14	13536	E -2415327
31		9.2R	23 58.147	-0.0009	17	-28 7 14.72	0.019	17	0.31	58.162	16	33.6	15.03	16	33.6	F5 M	13B	12719	J -2815823
32		8.2R	23 58.309	0.0006	17	-29 24 28.11	-0.008	17	0.31	58.299	16	33.6	27.97	16	33.6	K5 J	13B	12718	J -2916144
33		8.6A	24 8.293	-0.0003	20	-21 43 44.42	-0.110	15	0.33	8.299	16	33.6	42.62	16	33.6	F5 J	13A	8310	A -21 5390
34		9.5R	24 14.594	0.0026	21	-27 2 16.78	-0.019	21	0.38	14.551	16	33.6	16.47	16	33.6	K0 M	13B	12722	J -2713963
35		8.0R	24 17.850	0.0006	18	-23 26 55.54	-0.021	18	0.34	17.840	16	33.6	55.19	16	33.6	G5 J	14	13540	E -2315422
36		9.4R	24 18.445	0.0002	18	-27 31 5.81	-0.037	18	0.34	18.442	16	33.6	5.20	16	33.6	K5 M	13B	12724	J -2713964
37		8.5R	24 19.510	0.0042	18	-26 2 14.87	-0.002	18	0.34	19.440	16	33.6	14.84	16	33.6	G0 J	14	13538	E -2614198
38		8.8R	24 20.327	0.0001	20	-26 18 2.13	-0.049	20	0.36	20.325	16	33.6	1.33	16	33.6	G0 J	14	13539	E -2614199
39		9.2A	24 20.436	0.0006	20	-20 3 50.67	-0.038	15	0.33	20.427	16	33.6	50.04	16	33.6	F5 J	13A	8312	A -20 5556
40		8.9R	24 22.477	0.0028	18	-22 43 6.68	-0.005	18	0.34	22.431	16	33.6	6.60	16	33.6	G5 J	14	13542	E -2213966
41		9.1A	24 22.756	0.0011	20	-20 45 30.50	-0.029	15	0.33	22.737	16	33.6	30.02	16	33.6	A3 J	13A	8313	A -20 5557
42		9.3R	24 24.581	0.0043	18	-27 32 56.52	-0.048	18	0.34	24.510	16	33.6	55.73	16	33.6	K0 M	13B	12725	J -2713966
43		8.8R	24 25.116	0.0028	20	-26 18 30.94	-0.065	20	0.36	25.071	16	33.6	30.04	16	33.6	G0 J	14	13541	E -2614200
44		8.8R	24 29.753	0.0006	21	-28 55 5.60	0.008	21	0.38	29.742	16	33.6	5.73	16	33.6	K0 M	13B	12726	J -2916156
45		9.7R	24 35.020	0.0006	21	-25 15 41.52	0.056	21	0.38	35.010	16	33.6	42.44	16	33.6	F5 M	14	13543	E -2514064
46		9.3R	24 35.242	0.0006	18	-23 52 16.92	0.012	18	0.34	35.232	16	33.6	17.12	16	33.6	K2 M	14	13544	E -2415340
47		8.7A	24 37.976	0.0026	20	-20 27 55.73	0.011	15	0.33	37.933	16	33.6	55.91	16	33.6	A3 J	13A	8315	A -20 5559
48		9.1R	24 38.836	0.0021	20	-27 31 36.76	-0.020	20	0.36	38.802	16	33.6	36.43	16	33.6	K2 M	13B	12728	J -2713970
49		8.6R	24 43.517	0.0004	21	-29 41 38.93	-0.071	21	0.38	43.511	16	33.6	37.77	16	33.6	G5 J	13B	12730	J -2916163
50		8.8A	24 45.510	0.0028	20	-20 49 32.19	-0.001	15	0.33	45.464	16	33.6	32.17	16	33.6	K5 J	13A	8316	A -21 5394
51		8.5R	19 24 50.911	0.0018	17	-28 42 16.81	0.035	17	0.31	50.881	16	33.6	17.38	16	33.6	K5 J	13B	12731	J -2815837
52		9.2R	24 53.789	0.0009	13	-29 8 19.14	-0.008	13	0.27	53.775	16	33.6	19.00	16	33.6	G5 J	13B	12732	J -2916167
53		9.1R	24 55.192	0.0038	18	-24 7 53.99	0.004	18	0.34	55.129	16	33.6	54.06	16	33.6	K2 M	14	13545	E -2413347
54		9.1A	25 2.021	0.0032	20	-21 15 9.56	-0.049	15	0.33	1.969	16	33.6	8.75	16	33.6	F8 J	13A	8319	A -21 5396
55		8.6R	25 2.986	0.0013	18	-22 58 37.48	0.001	18	0.34	2.964	16	33.6	37.49	16	33.6	G5 J	14	13547	E -2315438
56		9.3R	25 4.039	0.0008	21	-26 43 9.55	0.001	21	0.38	4.025	16	33.6	9.56	16	33.6	G5 M	14	13546	E -2614211
57		9.0R	25 8.641	0.0013	15	-22 15 21.43	-0.017	15	0.29	8.620	16	33.6	21.16	16	33.6	F8 J	14	13549	E -2213979
58		8.8A	25 8.743	0.0005	20	-20 37 5.04	0.018	15	0.33	8.735	16	33.6	5.34	16	33.6	A3 J	13A	8321	A -20 5561
59		9.4R	25 8.847	0.0026	18	-26 42 22.27	-0.022	18	0.34	8.805	16	33.6	21.91	16	33.6	F8 M	14	13548	E -2614215
60		8.9R	25 11.164	-0.0007	17	-28 36 28.24	-0.040	17	0.31	11.175	16	33.6	27.58	16	33.6	F8 J	13B	12735	J -2815842
61		9.3R	25 11.526	0.0006	17	-28 30 0.34	-0.018	17	0.31	11.518	16	33.6	0.04	16	33.6	A0 J	13B	12737	J -2815841
62		8.0R	25 13.271	0.0001	17	-29 29 23.61	0.030	17	0.31	13.269	16	33.6	24.10	16	33.6	G5 J	13B	12738	J -2916173
63		9.3R	25 15.785	0.0003	12	-28 40 25.41	-0.032	12	0.25	15.779	16	33.6	24.88	16	33.6	K2 M	13B	12739	J -2815846
64		9.0R	25 19.311	0.0004	18	-22 21 39.26	0.032	18	0.34	19.305	16	33.6	39.79	16	33.6	A5 J	14	13550	E -2213983
65		9.2R	25 23.123	0.0040	12	-28 58 57.07	-0.026	12	0.25	23.057	16	33.6	56.64	16	33.6	G5 M	13B	12742	J -2916177
66		9.3R	25 25.495	0.0024	18	-23 48 12.13	-0.029	18	0.34	25.455	16	33.6	11.65	16	33.6	K0 M	14	13551	E -2315447
67		8.8R	25 27.820	0.0013	17	-29 16 31.18	-0.030	17	0.31	27.798	16	33.6	30.69	16	33.6	K0 J	13B	12743	J -2916178
68		9.3A	25 37.224	0.0008	20	-21 5 37.82	0.009	00	0.28	37.211	16	33.6	37.97	16	33.6	K0 J	13A	8325	A -21 5399
69		9.1R	25 40.311	0.0031	15	-24 45 38.48	0.013	15	0.29	40.260	16	33.6	38.69	16	33.6	K0 J	14	13552	E -2415357
70		9.0R	25 43.096	0.0050	20	-29 48 25.38	-0.007	20	0.36	43.015	16	33.6	25.25	16	33.6	A0 J	13B	12745	J -2916186
71		9.0R	25 44.415	0.0012	15	-22 45 56.31	0.010	15	0.29	44.396	16	33.6	56.47	16	33.6	K5 M	14	13555	E -2213986
72		9.3R	25 44.453	-0.0001	18	-25 51 19.95	0.000	18	0.34	44.454	16	33.6	19.95	16	33.6	G5 J	14	13553	E -2614224
73		8.5R	25 45.395	0.0004	18	-26 0 7.13	-0.021	18	0.34	45.388	16	33.6	6.79	16	33.6	F0 J	14	13554	E -2614226
74		7.6R	25 45.664	0.0023	17	-29 4 24.79	-0.010	17	0.31	45.626	16	33.6	24.62	16	33.6	A0 J	13B	12746	J -2916189
75		9.3R	25 47.266	-0.0009	20	-23 23 17.00	-0.031	20	0.36	47.281	16	33.6	16.49	16	33.6	K2 M	14	13557	E -2315455
76		8.7R	25 49.845	0.0003	15	-25 56 21.98	-0.009	15	0.29	49.840	16	33.6	21.83	16	33.6	K2 M	14	13556	E -2614228
77		9.3R	25 58.798	0.0010	12	-25 46 13.54	0.004	12	0.25	58.781	16	33.6	13.60	16	33.6	G5 J	14	13558	E -2514078
78		9.0R	25 59.350	0.0035	15	-24 19 46.16	-0.030	15	0.29	59.292	16	33.6	45.67	16	33.6	F8 J	14	13559	E -2415360
79		8.6R	26 6.954	0.0001	18	-25 51 46.35	0.025	18	0.34	6.951	16	33.6	46.76	16	33.6	K2 J	14	13560	E -2614233
80		9.1A	26 11.603	0.0016	20	-20 26 6.75	-0.012	15	0.33	11.576	16	33.6	6.55	16	33.6	K0 J	13A	8329	A -20 5571
81		8.4R	26 12.058	0.0001	15	-25 34 16.24	0.036	15	0.29	12.055	16	33.6	16.83	16	33.6	K0 J	14	13561	E -2514081
82		9.4R	26 13.718	-0.0049	20	-26 40 13.32	0.022	20	0.36	13.799	16	33.6	13.68	16	33.6	F8 M	14	13562	E -2614234
83		8.5R	26 29.827	0.0001	18	-24 19 1.85	0.018	18	0.34	29.826	16	33.6	2.14	16	33.6	K0 J	14	13564	E -2415368
84		9.4R	26 31.513	-0.0025	18	-26 58 15.93	0.011	18	0.34	31.554	16	33.6	16.11	16	33.6	F5 J	13B	12753	J -2713998
85		8.9R	26 33.980	0.0009	17	-25 54 22.12	-0.014	17	0.31	33.965	16	33.6	21.89	16	33.6	F8 J	14	13565	E -2614237
86		9.3R	26 38.876	0.0021	17	-29 18 34.68	-0.015	17	0.31	38.841	16	33.6	34.43	16	33.6	G5 M	13B	12754	J -2916206
87		9.3R	26 38.933	0.0016	18	-23 4 28.24	-0.016	18	0.34	38.906	16	33.6	27.97	16	33.6	K2 M	14	13567	E -2315470
88		8.8R	26 42.197	0.0012	12	-25 46 58.27	-0.031	12	0.25	42.177	16	33.6	57.76	16	33.6	A5 J	14	13566	E -2514090
89		8.8R	26 43.324	0.0051	18	-25 12 59.30	-0.001	18	0.34	43.240	16	33.6	59.47	16	33.6	K0 J	14	13568	E -2514091
90		8.2T	26 44.724	0.0045	15	-27 32 20.90	0.013	17	0.78	44.509	22	02.3	21.49	22	03.8	A0	GC	26908	C -2714002
91		8.0T	26 45.401	0.0015	12	-21 26 34.43	-0.012	09	0.56	45.325	15	99.7	33.79	15	96.7	K0	GC	26909	-21 5405
92		5.5T	26 46.730	0.0026	03	-27 5 22.99	-0.040	03	0.18	46.609	06	03.0	21.10	07	02.9	K0	GC	26911K	C#-2714004
93		9.3R	26 47.380	-0.0013	18	-23 4 40.08	0.016	18	0.34	47.402	16	33.6	40.34	16	33.6	A3 J	14	13569	E -2315473
94		9.3R	26 49.311	-0.0013	22	-24 25 59.13	-0.035	22	0.40	49.332	16	33.6	58.56	16	33.6	K0 M	14	13570	E -2415370
95		8.6R	26 50.229	0.0008	20	-26 57 43.94	-0.012	20	0.36	50.215	16	33.6	43.74	16	33.6	K0 J	13B	12759	J -2714005
96		9.4R	26 51.357	0.0005	12	-24 48 57.13	-0.004	12	0.25	51.349	16	33.6	57.06	16	33.6	K0 M	14	13571	E -2415371
97		8.6R	26 52.142	-0.0002	17	-29 46 13.51	-0.095	17	0.31	52.145	16	33.6	11.94	16	33.6	K0 J	13B	12758	J -2916207
98		8.2T	26 55.868	0.0027	12	-27 27 9.24	-0.015	13	0.68	55.732	19	99.0	8.46	18	98.6	K2	GC	26915	C -2714006
99		9.1R	26 56.025	-0.0016	15	-25 4 28.51	0.021	15	0.29	56.052	16	33.6	28.84	16	33.6	K0 J	14	13572	E -2514096
00		9.0R	26 58.573	-0.0025	18	-27 40 34.80	-0.050	18	0.34	58.614	16	33.6	33.98	16	33.6	G0 J	13B	12763	J -2714008

188200 — EPOCH 1950 — ORIGINAL EPOCH — -20° 19H

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	CAT.	STAR NUMBER	DM NUMBER
1		9.3R	19 26 58.740	0.0014	18	-23 46 7.69	-0.022	18	0.34	58.717	16	33.6	7.33	16	33.6	K0 M	14	13573	E -2315476
2		8.9R	27 4.062	0.0024	18	-24 47 52.48	0.003	18	0.34	4.023	16	33.6	52.52	16	33.6	A3 J	14	13574	E -2415372
3		8.8R	27 8.906	0.0031	12	-25 37 14.64	0.016	12	0.25	8.855	16	33.6	14.90	16	33.6	A0 J	14	13575	E -2514099
4		8.3R	27 9.513	0.0026	12	-25 32 31.58	0.000	12	0.25	9.470	16	33.6	31.58	16	33.6	G0 J	14	13576	E -2514100
5		8.7R	27 10.732	0.0014	18	-22 4 57.98	0.008	18	0.34	10.710	16	33.6	58.12	16	33.6	G0 J	14	13577	E -2214003
6		8.7A	27 22.251	0.0028	20	-20 56 22.44	0.001	15	0.33	22.205	16	33.6	22.46	16	33.6	A0 J	13A	8346	A -21 5408
7		9.6R	27 22.448	0.0014	18	-22 6 22.78	0.001	18	0.34	22.425	16	33.6	22.80	16	33.6	F8 M	14	13579	E -2214010
8		9.6R	27 25.292	0.0001	18	-23 21 48.40	0.013	18	0.34	25.291	16	33.6	48.61	16	33.6	G0 M	14	13580	E -2315482
9		9.1R	27 27.801	0.0025	20	-28 15 17.08	-0.030	20	0.36	27.761	16	33.6	16.99	16	33.6	K5 M	13B	12765	J -2815893
10		9.0R	27 31.585	0.0034	12	-29 45 30.96	0.022	12	0.25	31.530	16	33.6	31.31	16	33.6	G0 J	13B	12766	J -2916220
11		8.6R	27 35.236	0.0019	18	-24 41 14.30	0.009	18	0.34	35.204	16	33.6	14.44	16	33.6	K0 J	14	13581	E -2415379
12		8.8R	27 38.849	0.0042	12	-25 41 49.31	-0.052	12	0.25	38.779	16	33.6	48.46	16	33.6	G5 J	14	13582	E -2514104
13		9.4R	27 41.784	0.0021	18	-23 41 43.62	-0.012	18	0.34	41.750	16	33.6	43.42	16	33.6	K0 M	14	13583	E -2315484
14		8.4T	27 42.064	0.0009	18	-29 29 22.01	-0.075	15	0.81	42.021	22	04.0	18.37	21	01.7	F8	GC	26928	C -2916224
15		9.2R	27 50.049	-0.0010	12	-27 54 54.25	0.004	12	0.25	50.066	16	33.6	54.31	16	33.6	K2 M	13B	12770	J -2815900
16		7.5R	27 53.539	0.0039	18	-24 3 28.23	-0.031	18	0.34	53.475	16	33.6	27.72	16	33.6	G5 J	14	13586	E -2415383
17		8.3R	27 54.223	0.0001	15	-25 38 23.22	-0.005	15	0.29	54.221	16	33.6	23.14	16	33.6	A0 J	14	13584	E -2514109
18		9.2R	27 55.777	-0.0006	21	-26 17 32.67	0.012	21	0.38	55.786	16	33.6	32.87	16	33.6	K0 M	14	13585	E -2614253
19		6.0T	27 56.027	0.0008	04	-21 25 4.07	-0.017	04	0.21	55.989	07	02.9	3.27	07	02.9	A2	GC	26933	B*-21 5410
20		7.5T	27 57.760	0.0003	14	-29 36 1.44	-0.061	12	0.70	57.747	21	00.8	-58.29	21	98.8	K2	GC	26935	C*-2916231
21		9.2R	27 58.631	-0.0022	18	-23 13 49.24	0.006	18	0.34	58.667	16	33.6	49.34	16	33.6	G0 J	14	13587	E -2315488
22		8.5R	27 58.660	-0.0008	12	-29 2 11.05	-0.021	12	0.25	58.673	16	33.6	10.70	16	33.6	M3 M	13B	12773	J -2916232
23		8.5A	28 2.518	0.0007	20	-21 32 13.96	-0.029	15	0.33	2.507	16	33.6	13.49	16	33.6	G0 J	13A	8351	A -21 5412
24		9.0R	28 3.257	0.0005	18	-23 0 43.95	-0.015	18	0.34	3.250	16	33.6	43.70	16	33.6	K5 M	14	13589	E -2315490
25		8.9R	28 3.614	0.0006	18	-27 48 33.86	-0.044	18	0.34	3.605	16	33.6	33.14	16	33.6	F8 J	13B	12776	J -2714020
26		9.2R	28 4.083	0.0048	18	-23 38 41.26	-0.030	18	0.34	4.004	16	33.6	40.77	16	33.6	F5 M	14	13588	E -2315489
27		8.8A	28 4.227	0.0012	20	-21 24 23.80	-0.032	15	0.33	4.207	16	33.6	23.27	16	33.6	A0 J	13A	8352	A -21 5414
28		8.1R	28 4.515	0.0014	18	-28 26 23.38	-0.002	20	0.36	4.492	16	33.6	23.35	16	33.6	K0 J	13B	12775	J -2815903
29		8.5R	28 9.685	0.0013	18	-24 12 2.37	-0.043	18	0.34	9.664	16	33.6	1.66	16	33.6	F2 J	14	13590	E -2415387
30		9.2R	28 12.799	0.0052	17	-28 3 27.40	-0.004	17	0.31	12.714	16	33.6	27.33	16	33.6	F8 J	13B	12777	J -2815905
31		7.4T	28 13.002	-0.0004	08	-25 50 33.36	-0.056	07	0.41	13.025	10	99.4	30.44	10	98.0	K0	GC	26943	C -2514115
32		9.0R	28 15.441	0.0007	18	-23 43 14.97	-0.021	18	0.34	15.430	16	33.6	14.63	16	33.6	A0 J	14	13592	E -2315496
33		8.3A	28 21.236	0.0006	20	-21 44 30.20	-0.002	15	0.33	21.226	16	33.6	30.18	16	33.6	K0 J	13A	8353	A -21 5416
34		7.8A	28 27.043	-0.0006	20	-21 8 46.49	-0.030	15	0.33	27.053	16	33.6	46.00	16	33.6	K5 J	13A	8354	A -21 5419
35		8.6A	28 30.518	0.0014	18	-21 44 42.28	0.002	13	0.30	30.495	16	33.6	42.32	16	33.6	F0 J	13A	8355	A -21 5420
36		9.0R	28 30.987	0.0003	12	-29 28 45.72	0.030	12	0.25	30.982	16	33.6	46.21	16	33.6	K0 J	13B	12779	J -2916243
37		9.0R	28 31.691	0.0000	15	-23 3 13.18	0.006	15	0.29	31.691	16	33.6	13.28	16	33.6	F8 J	14	13593	E -2315499
38		9.0A	28 33.428	0.0010	20	-20 31 36.77	-0.002	15	0.33	33.412	16	33.6	36.74	16	33.6	A2 J	13A	8356	A -20 5584
39		9.1A	28 34.789	0.0010	20	-20 59 18.25	-0.033	15	0.33	34.772	16	33.6	17.71	16	33.6	F8 J	13A	8357	A -21 5421
40		8.8R	28 36.521	0.0007	18	-26 6 2.48	-0.029	18	0.34	36.509	16	33.6	2.00	16	33.6	K0 J	14	13594	E -2614262
41		8.5R	28 41.258	0.0010	18	-23 12 16.52	0.026	18	0.34	41.242	16	33.6	16.94	16	33.6	A0 J	14	13595	E -2315502
42		8.9R	28 48.170	0.0006	12	-25 2 33.39	-0.005	12	0.25	48.161	16	33.6	33.30	16	33.6	G5 J	14	13596	E -2514125
43		8.6R	28 52.634	-0.0009	18	-24 26 52.75	-0.014	18	0.34	52.650	16	33.6	52.53	16	33.6	K2 J	14	13597	E -2415395
44		7.4T	28 56.260	0.0016	08	-28 19 9.12	0.008	07	0.40	56.178	10	98.6	9.54	10	96.3	B9	GC	26958	C*-2815917
45		8.6R	28 57.714	0.0021	18	-23 40 59.41	-0.016	18	0.34	57.679	16	33.6	59.15	16	33.6	K0 J	14	13598	E -2315506
46		9.4R	29 2.894	-0.0015	13	-29 47 26.67	0.002	13	0.27	2.918	16	33.6	26.69	16	33.6	G M	13B	12785	J -2916253
47		9.3R	29 6.328	0.0032	18	-26 10 38.60	-0.013	18	0.34	6.275	16	33.6	38.39	16	33.6	K2 M	14	13599	E -2614269
48		8.6R	29 6.729	-0.0039	12	-27 51 23.86	0.016	12	0.25	6.793	16	33.6	24.12	16	33.6	K2 J	13B	12787	J -2815921
49		8.0R	29 6.890	0.0016	20	-28 28 54.66	-0.005	20	0.36	6.865	16	33.6	54.58	16	33.6	K2 J	13B	12786	J -2815920
50		8.6A	29 10.074	0.0022	20	-20 30 28.02	-0.019	15	0.33	10.038	16	33.6	27.71	16	33.6	G5 J	13A	8361	A -20 5590
51		9.1R	19 29 16.047	-0.0001	13	-26 28 12.59	0.011	13	0.27	16.048	16	33.6	12.77	16	33.6	K5 M	14	13600	E -2614271
52		7.1T	29 17.579	0.0024	08	-21 37 27.82	-0.006	08	0.47	17.437	17	91.7	27.50	17	94.0	A3	GC	26966	-21 5425
53		9.6R	29 22.762	0.0035	18	-23 20 4.22	0.004	18	0.34	22.705	16	33.6	4.28	16	33.6	F5 M	14	13601	E -2315514
54		9.2R	29 24.985	0.0020	20	-29 7 54.86	0.026	20	0.36	24.952	16	33.6	55.29	16	33.6	G5 J	13B	12793	J -2916262
55		7.4R	29 24.998	-0.0002	12	-22 50 53.91	0.018	12	0.25	25.001	16	33.6	54.20	16	33.6	F2 J	14	13602	E -2214037
56		8.7R	29 26.360	-0.0002	17	-28 49 17.12	-0.001	17	0.31	26.363	16	33.6	17.10	16	33.6	K0 J	13B	12794	J -2815930
57		7.0T	29 33.403	0.0052	04	-28 7 1.67	-0.740	04	0.23	33.131	09	97.7	-21.19	09	95.3	G0	GC	26975	C*-2815936
58		8.9R	29 36.967	-0.0008	18	-27 46 19.09	0.027	18	0.34	36.980	16	33.6	19.53	16	33.6	K2 J	13B	12796	J -2714045
59		9.4R	29 41.088	0.0013	18	-26 16 15.15	-0.006	18	0.34	41.067	16	33.6	15.05	16	33.6	B J	14	13603	E -2614280
60		8.4R	29 42.437	0.0026	12	-25 2 6.44	-0.023	12	0.25	42.394	16	33.6	6.05	16	33.6	K0 J	14	13604	E -2514140
61		8.8R	29 44.735	0.0015	12	-25 24 46.18	-0.033	12	0.25	44.710	16	33.6	45.64	16	33.6	A5 J	14	13605	E -2514142
62		8.3R	29 46.396	0.0012	12	-25 3 2.66	-0.024	12	0.25	46.376	16	33.6	2.26	16	33.6	K0 J	14	13606	E -2514144
63		7.6T	29 49.050	-0.0021	10	-26 8 10.84	-0.008	10	0.56	49.163	15	96.8	10.39	18	93.7	F0	GC	26984	C -2614281
64		9.1R	29 50.330	-0.0009	21	-29 28 27.24	-0.070	21	0.38	50.344	16	33.6	26.09	16	33.6	K0 M	13B	12798	J -2916270
65		8.7R	29 57.436	0.0008	15	-22 6 30.86	0.003	15	0.29	57.423	16	33.6	30.91	16	33.6	F0 J	14	13609	E -2214046
66		8.7R	29 57.541	0.0006	15	-27 13 29.98	0.005	15	0.29	57.531	16	33.6	30.06	16	33.6	K2 J	13B	12801	J -2714054
67		9.6R	30 3.429	-0.0004	20	-25 35 16.44	-0.012	20	0.36	3.436	16	33.6	16.25	16	33.6	F2 M	14	13610	E -2514159
68		9.1R	30 5.754	0.0001	18	-24 22 25.12	-0.020	18	0.34	5.751	16	33.6	24.79	16	33.6	G5 M	14	13612	E -2415403
69		8.1R	30 6.326	-0.0016	15	-25 33 43.58	-0.000	15	0.29	6.353	16	33.6	43.57	16	33.6	K5 J	14	13611	E -2514151
70		9.3R	30 12.399	-0.0011	17	-28 51 24.82	0.028	17	0.31	12.417	16	33.6	25.28	16	33.6	K2 M	13B	12803	J -2916277
71		9.1R	30 15.208	-0.0011	17	-28 2 9.20	0.054	17	0.31	15.226	16	33.6	10.09	16	33.6	K0 M	13B	12804	J -2815943
72		8.6R	30 24.294	-0.0040	17	-28 8 25.34	0.014	17	0.31	24.360	16	33.6	25.57	16	33.6	F8 J	13B	12805	J -2815947
73		9.8R	30 25.743	0.0015	20	-22 32 43.87	-0.011	20	0.36	25.718	16	33.6	43.70	16	33.6	F0 M	14	13613	E -2214050
74		9.0R	30 29.370	0.0001	15	-22 28 2.86	0.003	15	0.29	29.369	16	33.6	2.91	16	33.6	K0 J	14	13614	E -2214051
75		7.9R	30 33.953	-0.0006	20	-28 38 36.25	0.001	20	0.36	33.963	16	33.6	36.27	16	33.6	A0 J	13B	12808	J -2815948
76		9.2R	30 38.569	0.0025	17	-28 25 58.66	0.046	17	0.31	38.527	16	33.6	59.42	16	33.6	K0 M	13B	12810	J -2815953
77		8.8R	30 43.522	-0.0005	15	-27 9 18.47	-0.042	15	0.29	43.530	16	33.6	17.79	16	33.6	K0 J	13B	12812	J -2714068
78		9.2R	30 45.396	0.0013	12	-27 9 10.98	-0.041	12	0.25	45.374	16	33.6	10.31	16	33.6	G5 M	13B	12814	J -2714070
79		9.3R	30 49.337	-0.0004	21	-29 29 5.60	-0.045	21	0.38	49.345	16	33.6	4.86	16	33.6	G5 M	13B	12815	J -2916287
80		9.0R	30 51.589	0.0002	18	-27 16 21.12	-0.086	18	0.34	51.586	16	33.6	19.71	16	33.6	K0 J	13B	12816	J -2714071
81		9.5R	30 56.297	-0.0001	18	-23 36 27.28	-0.057	18	0.34	56.299	16	33.6	26.34	16	33.6	K0 M	14	13617	E -2315536
82		8.7R	30 57.013	0.0019	12	-25 48 48.91	-0.007	12	0.25	56.982	16	33.6	48.78	16	33.6	K0 J	14	13616	E -2514159
83		9.1R	30 59.124	-0.0011	20	-29 16 15.02	-0.052	20	0.36	59.142	16	33.6	14.17	16	33.6	G5 J	13B	12817	J -2916291
84		9.4A	31 0.876	-0.0006	20	-22 24 23.33	-0.024	15	0.33	0.886	16	33.6	22.93	16	33.6	K0 J	13A	8370	A -22 5152
85		8.9A	31 3.035	0.0003	20	-21 2 29.58	0.008	15	0.33	3.029	16	33.6	29.71	16	33.6	M4 J	13A	8372	A -21 5435
86		9.1R	31 3.476	-0.0006	18	-23 24 5.44	-0.041	18	0.34	3.485	16	33.6	4.77	16	33.6	F5 J	14	13618	E -2315540
87		9.0A	31 5.988	0.0018	20	-21 38 41.72	0.032	15	0.33	5.959	16	33.6	42.24	16	33.6	G5 J	13A	8374	A -21 5437
88		8.6R	31 8.656	0.0001	18	-22 12 49.77	0.002	18	0.34	8.654	16	33.6	49.80	16	33.6	K2 J	14	13619	E -2214066
89		9.0R	31 17.071	0.0026	18	-24 9 10.58	-0.006	18	0.34	17.029	16	33.6	10.48	16	33.6	F2 J	14	13620	E -2415416
90		8.5R	31 17.092	0.0023	18	-23 26 6.97	-0.018	18	0.34	17.055	16	33.6	6.68	16	33.6	A0 J	14	13621	E -2315546
91		8.8R	31 18.782	0.0006	18	-24 44 20.44	-0.008	18	0.34	18.772	16	33.6	20.31	16	33.6	A2 J	14	13622	E -2415415
92		8.4R	31 19.629	-0.0008	15	-27 15 42.98	0.042	15	0.29	19.642	16	33.6	43.67	16	33.6	K0 J	13B	12820	J -2714080
93		9.1A	31 24.467	0.0015	20	-20 7 27.55	-0.014	15	0.33	24.444	16	33.6	27.32	16	33.6	A0 J	13A	8378	A -20 5608
94		9.0R	31 25.691	0.0025	18	-23 27 59.74	-0.003	18	0.34	25.650	16	33.6	59.70	16	33.6	K0 M	14	13623	E -2315547
95		9.0R	31 32.729	-0.0003	18	-23 18 23.81	0.003	18	0.34	32.733	16	33.6	23.86	16	33.6	G5 J	14	13625	E -2315548
96		6.7T	31 32.913	0.0003	06	-23 58 7.04	-0.000	05	0.26	32.898	09	03.6	7.04	10	02.4	K5	GC	27026	C*-2415421
97		8.7R	31 33.543	0.0026	17	-28 57 2.09	0.002	17	0.31	33.501	16	33.6	2.13	16	33.6	G0 J	13B	12822	J -2916302
98		8.6R	31 37.023	0.0037	12	-28 55 56.31	-0.038	12	0.25	36.962	16	33.6	55.69	16	33.6	F2 J	13B	12823	J -2916303
99		9.2R	31 41.853	-0.0015	18	-23 6 33.03	-0.027	18	0.34	41.878	16	33.6	32.59	16	33.6	A0 J	14	13626	E -2315550
00		8.8R	31 45.617	0.0015	18	-24 36 17.61	0.016	18	0.34	45.591	16	33.6	17.87	16	33.6	B9 J	14	13627	E -2415422

188300 — EPOCH 1950 — ORIGINAL EPOCH — SOURCE — -20° 19H

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	CAT.	STAR NUMBER	DM NUMBER
1		8.8R	19 31 46.617	0.0030	18	-22 6 38.13	0.019	18	0.34	46.568	16	33.6	38.44	16	33.6	F8 J	14	13628	E -2214074
2		9.0R	31 54.011	0.0007	20	-28 7 57.99	-0.016	20	0.36	53.999	16	33.6	57.73	16	33.6	A2 J	13B	12827	J -2815975
3		9.0R	31 57.203	-0.0014	17	-28 11 16.26	0.026	17	0.31	57.226	16	33.6	16.69	16	33.6	K0 M	13B	12828	J -2815971
4		9.5R	31 58.545	0.0012	20	-22 28 5.48	-0.001	20	0.36	58.526	16	33.6	5.46	16	33.6	F5 M	14	13630	E -2214077
5		8.8R	32 0.946	0.0024	18	-24 28 26.54	-0.016	18	0.34	0.906	16	33.6	26.28	16	33.6	G5 J	14	13629	E -2415429
6		9.1R	32 3.205	-0.0039	18	-27 33 42.88	-0.141	18	0.34	3.270	16	33.6	40.57	16	33.6	F8 J	13B	12830	J -2714092
7		9.3R	32 6.356	0.0007	21	-29 18 51.78	-0.067	21	0.38	6.345	16	33.6	50.68	16	33.6	K0 M	13B	12831	J -2916316
8		8.8R	32 7.346	-0.0049	12	-25 14 26.24	-0.289	12	0.25	7.426	16	33.6	21.50	16	33.6	G0 J	14	13631	E -2514171
9		9.7R	32 7.441	-0.0059	15	-22 58 19.26	0.011	15	0.29	7.537	16	33.6	19.45	16	33.6	G0 M	14	13632	E -2315556
10		9.2R	32 10.436	0.0015	18	-23 9 45.56	0.008	18	0.34	10.412	16	33.6	45.70	16	33.6	K0 M	14	13633	E -2315557
11		9.2R	32 20.107	0.0027	18	-27 33 22.45	-0.001	18	0.34	20.063	16	33.6	22.44	16	33.6	A0 J	13B	12833	J -2714098
12		9.2R	32 22.813	-0.0012	18	-26 52 37.10	0.020	18	0.34	22.833	16	33.6	37.43	16	33.6	F5 J	14	13634	E -2714100
13		8.9R	32 24.313	0.0005	18	-24 39 0.62	-0.003	18	0.34	24.305	16	33.6	0.57	16	33.6	K0 J	14	13635	E -2415435
14		9.0R	32 26.940	0.0025	15	-27 44 27.94	0.027	15	0.29	26.899	16	33.6	28.39	16	33.6	A0 J	13B	12836	J -2714101
15		8.7R	32 28.488	0.0033	17	-29 31 51.42	0.004	17	0.31	28.433	16	33.6	51.49	16	33.6	F0 J	13B	12834	J -2916324
16		9.2R	32 31.424	0.0005	12	-25 35 46.32	-0.056	12	0.25	31.416	16	33.6	45.39	16	33.6	A2 J	14	13636	E -2514176
17		6.7T	32 38.347	0.0073	06	-20 53 27.26	-0.162	06	0.32	37.976	09	99.0	18.95	09	98.8	G0	GC	27054	-21 5444
18		7.9T	32 38.461	0.0007	07	-23 25 13.57	-0.009	06	0.34	38.422	10	98.7	13.12	10	98.3	A5	GC	27055K	C*-2315560
19		8.5R	32 42.151	0.0005	18	-22 16 39.14	-0.037	18	0.34	42.142	16	33.6	38.53	16	33.6	A0 J	14	13638	E -2214088
20		8.5R	32 47.433	0.0023	17	-28 48 44.47	0.040	17	0.31	47.396	16	33.6	45.13	16	33.6	A0 J	13B	12837	J -2815988
21		8.5R	32 49.226	-0.0018	18	-26 24 46.11	-0.065	18	0.34	49.256	16	33.6	45.05	16	33.6	F5 J	14	13639	E -2614330
22		9.4R	32 50.474	-0.0035	15	-23 5 48.95	-0.038	15	0.29	50.531	16	33.6	48.34	16	33.6	K5 M	14	13640	E -2315562
23		8.9R	32 53.756	0.0016	18	-24 29 10.97	-0.009	18	0.34	53.729	16	33.6	10.82	16	33.6	F8 J	14	13641	E -2415441
24		8.9A	32 54.530	0.0043	20	-21 1 58.73	-0.012	15	0.33	54.460	16	33.6	58.53	16	33.6	F8 J	13A	8368	A -21 5447
25		7.5R	32 55.799	0.0004	20	-28 46 47.20	0.006	20	0.36	55.793	16	33.6	47.30	16	33.6	A0 J	13B	12838	J -2815990
26		5.7T	32 59.600	0.0009	03	-24 49 49.11	-0.022	04	0.19	59.558	07	00.8	48.02	07	00.1	A3P	GC	27067	C*-2415442
27		9.2R	33 3.576	0.0011	18	-22 37 3.09	-0.031	18	0.34	3.558	16	33.6	2.59	16	33.6	G0 J	14	13645	E -2214092
28		9.1R	33 8.047	0.0011	20	-27 53 39.80	-0.092	20	0.36	8.029	16	33.6	38.29	16	33.6	G5 M	13B	12840	J -2815993
29		8.8A	33 17.232	0.0008	20	-20 10 37.12	0.007	15	0.33	17.219	16	33.6	37.24	16	33.6	A2 J	13A	8392	A -20 5618
30		7.5R	33 18.309	0.0000	17	-28 47 11.02	0.002	17	0.31	18.309	16	33.6	11.06	16	33.6	K2 J	13B	12843	J -2815995
31		8.9R	33 19.176	0.0029	18	-24 4 12.97	-0.017	18	0.34	19.128	16	33.6	12.69	16	33.6	G5 J	14	13646	E -2414545
32		8.8R	33 27.925	0.0028	20	-26 25 57.59	-0.012	20	0.36	27.879	16	33.6	57.79	16	33.6	K0 J	14	13647	E -2614344
33		8.7R	33 28.762	0.0009	18	-22 55 45.30	-0.018	18	0.34	28.746	16	33.6	45.01	16	33.6	K2 J	14	13650	E -2315571
34		9.0R	33 30.554	0.0028	13	-26 38 3.33	-0.025	13	0.27	30.507	16	33.6	2.93	16	33.6	G5 J	14	13648	E -2614345
35		9.0R	33 31.239	0.0013	15	-26 38 1.57	-0.011	15	0.29	31.217	16	33.6	1.40	16	33.6	G5 J	14	13649	E -2614345
36		8.2R	33 32.670	0.0021	18	-24 39 51.19	-0.018	18	0.34	32.635	16	33.6	50.96	16	33.6	K5 J	14	13651	E -2415450
37		4.7H	33 39.969	0.0052	01	-24 59 44.24	-0.018	01	0.05	39.757	02	09.4	43.53	03	10.9	B9	F4	736	C -2514184
38		9.0R	33 40.494	-0.0006	20	-27 12 30.44	-0.002	20	0.36	40.503	16	33.6	30.41	16	33.6	F8 M	13B	12846	J -2714127
39		9.0R	33 44.078	0.0006	20	-29 36 27.86	-0.015	20	0.36	44.068	16	33.6	27.62	16	33.6	G5 J	13B	12847	J -2916347
40		9.1R	33 45.267	-0.0066	21	-29 43 46.58	-0.066	21	0.38	45.374	16	33.6	45.50	16	33.6	G0 J	13B	12848	J -2916348
41		9.1R	33 47.251	0.0024	18	-23 17 35.63	0.003	18	0.34	47.211	16	33.6	35.69	16	33.6	G5 J	14	13655	E -2315579
42		9.0R	33 50.108	-0.0008	18	-22 22 51.90	-0.012	18	0.34	50.120	16	33.6	51.70	16	33.6	G0 J	14	13656	E -2214101
43		8.4R	33 51.743	0.0004	17	-27 36 47.00	-0.033	17	0.31	51.736	16	33.6	46.46	16	33.6	K0 J	13B	12850	J -2714128
44		8.5R	33 52.309	-0.0007	20	-29 41 28.59	-0.013	20	0.36	52.321	16	33.6	28.38	16	33.6	K0 J	13B	12849	J -2916351
45		9.2A	33 54.230	-0.0002	20	-20 10 17.36	0.005	15	0.33	54.235	16	33.6	17.44	16	33.6	K0 J	13A	8398	A -20 5619
46		8.0R	33 56.445	-0.0001	18	-22 0 54.65	-0.010	18	0.34	56.447	16	33.6	54.48	16	33.6	G0 J	14	13658	E -2214102
47		8.0R	33 59.587	-0.0022	20	-25 11 30.72	-0.077	20	0.36	59.622	16	33.6	29.46	16	33.6	F8 J	14	13657	E -2514188
48		9.2A	33 59.882	-0.0020	20	-21 36 21.06	-0.005	15	0.33	59.915	16	33.6	20.98	16	33.6	K0 J	13A	8400	A -21 5450
49		8.6A	34 6.086	0.0014	20	-21 44 31.53	-0.022	15	0.33	6.063	16	33.6	31.17	16	33.6	K2 J	13A	8402	A -21 5451
50		9.2R	34 7.835	0.0024	20	-24 57 5.56	0.028	20	0.36	7.795	16	33.6	6.02	16	33.6	F2 J	14	13659	E -2514191
51		9.0R	19 34 8.544	0.0011	17	-27 46 57.21	-0.012	17	0.31	8.526	16	33.6	57.02	16	33.6	K0 M	13B	12852	J -2714132
52		8.4R	34 20.261	0.0023	18	-22 22 10.35	0.013	18	0.34	20.224	16	33.6	10.56	16	33.6	G5 J	14	13660	E -2214105
53		9.2R	34 22.910	-0.0001	17	-29 24 19.64	0.030	17	0.31	22.913	16	33.6	20.13	16	33.6	A2 J	13B	12855	J -2916358
54		9.0R	34 26.432	0.0043	15	-25 18 6.15	-0.024	12	0.27	26.361	16	33.6	5.76	16	33.6	K0 J	14	13661	E -2514195
55		7.9R	34 27.587	-0.0026	18	-22 4 0.60	0.001	18	0.34	27.630	16	33.6	0.61	16	33.6	M1 M	14	13664	E -2214107
56		9.4R	34 29.883	0.0023	18	-23 49 22.43	-0.027	18	0.34	29.846	16	33.6	21.99	16	33.6	F8 M	14	13663	E -2315586
57		9.1R	34 29.903	0.0028	18	-21 50 44.21	-0.010	18	0.34	29.858	16	33.6	44.04	16	33.6	K0 M	14	13665	E -2214108
58		9.2R	34 30.656	-0.0011	20	-26 21 37.32	-0.014	20	0.36	30.675	16	33.6	37.10	16	33.6	G5 M	14	13662	E -2614362
59		8.7R	34 42.261	-0.0001	15	-25 47 59.29	0.010	15	0.29	42.263	16	33.6	59.44	16	33.6	K5 J	14	13666	E -2514201
60		7.8R	34 45.418	0.0029	17	-28 55 44.53	-0.034	17	0.31	45.371	16	33.6	43.98	16	33.6	G0 J	13B	12858	J -2916366
61		8.9A	34 47.940	0.0008	18	-20 55 44.61	-0.020	13	0.30	47.927	16	33.6	44.28	16	33.6	K2 J	13A	8407	A -21 5459
62		9.0R	34 48.515	0.0012	18	-25 41 43.68	-0.029	18	0.34	48.495	16	33.6	43.20	16	33.6	G0 J	14	13667	E -2514203
63		9.2R	34 51.604	0.0016	18	-23 58 26.49	0.012	18	0.34	51.577	16	33.6	26.69	16	33.6	F2 J	14	13668	E -2514474
64		9.1R	34 52.270	0.0032	20	-27 4 37.60	-0.038	20	0.36	52.219	16	33.6	36.98	16	33.6	A0 J	13B	12859	J -2714144
65		9.2R	34 54.031	0.0004	15	-25 7 49.74	0.024	15	0.29	54.024	16	33.6	50.14	16	33.6	A0 J	14	13669	E -2514207
66		9.2R	34 57.011	0.0001	18	-23 19 50.63	-0.020	18	0.34	57.010	16	33.6	50.31	16	33.6	F8 M	14	13670	E -2315594
67		8.8R	35 0.023	-0.0002	21	-29 14 33.31	-0.011	21	0.38	0.027	16	33.6	33.14	16	33.6	K0 M	13B	12860	J -2916372
68		8.8R	35 6.776	0.0005	18	-24 39 31.60	-0.025	18	0.34	6.767	16	33.6	31.19	16	33.6	K0 J	14	13671	E -2415479
69		8.7R	35 17.575	0.0005	20	-27 28 22.11	0.008	20	0.36	17.566	16	33.6	22.25	16	33.6	K0 J	13B	12862	J -2714147
70		8.9R	35 18.440	0.0003	17	-27 54 5.94	0.058	17	0.31	18.436	16	33.6	6.90	16	33.6	K2 J	13B	12863	J -2816021
71		9.2R	35 21.191	-0.0063	15	-26 28 50.19	-0.099	12	0.27	21.295	16	33.6	48.57	16	33.6	G5 J	14	13673	E -2614375
72		9.2R	35 22.293	-0.0000	15	-24 35 42.11	-0.002	15	0.29	22.293	16	33.6	42.08	16	33.6	K5 M	14	13675	E -2614382
73		9.0R	35 24.602	-0.0017	15	-26 37 3.28	-0.006	15	0.29	24.630	16	33.6	3.19	16	33.6	K5 M	14	13674	E -2614376
74		8.9R	35 25.897	0.0006	17	-27 47 0.71	0.014	17	0.31	25.888	16	33.6	0.95	16	33.6	K0 J	13B	12864	J -2714150
75		9.1R	35 26.540	-0.0024	20	-25 45 16.11	-0.044	20	0.36	26.580	16	33.6	17.38	16	33.6	F8 J	14	13676	E -2514214
76		8.2R	35 27.933	0.0006	21	-28 51 18.32	0.008	21	0.38	27.924	16	33.6	18.45	16	33.6	K0 J	13B	12865	J -2916380
77		9.2R	35 29.359	0.0023	15	-22 23 55.22	0.008	15	0.29	29.322	16	33.6	55.35	16	33.6	K5 J	14	13678	E -2214120
78		8.9A	35 30.297	0.0023	20	-20 39 9.44	0.008	00	0.28	30.259	16	33.6	9.57	16	33.6	F8 J	13A	8411	A -20 5633
79		8.7R	35 30.372	-0.0004	18	-24 13 25.45	0.019	18	0.34	30.378	16	33.6	25.76	16	33.6	K0 J	14	13677	E -2415484
80		8.3R	35 32.122	-0.0030	17	-28 58 34.25	0.017	17	0.31	32.172	16	33.6	34.53	16	33.6	K0 J	13B	12868	J -2916382
81		9.2R	35 34.129	-0.0009	21	-29 55 18.59	-0.016	21	0.38	34.144	16	33.6	18.32	16	33.6	G5 J	13B	12869	J -3017243
82		9.1A	35 35.527	0.0027	17	-20 25 14.86	-0.006	12	0.28	35.483	16	33.6	14.77	16	33.6	K2 J	13A	8413	A -20 5636
83		9.1R	35 38.430	0.0014	15	-26 46 8.47	0.013	12	0.27	38.406	16	33.6	8.69	16	33.6	K2 M	14	13679	E -2614377
84		9.3R	35 47.324	0.0012	12	-25 41 12.13	0.023	12	0.25	47.305	16	33.6	12.51	16	33.6	A2 J	14	13681	E -2514217
85		8.4R	35 47.716	0.0142	15	-25 59 0.89	-0.204	15	0.29	47.484	16	33.6	-57.53	16	33.6	K0 J	14	13680	E -2614379
86		6.6T	35 49.146	0.0018	09	-28 43 19.31	-0.006	07	0.42	49.053	10	99.5	19.01	10	98.2	B9	GC	27161	C*-2816029
87		8.3R	35 51.147	0.0037	20	-27 29 9.45	-0.021	20	0.36	51.087	16	33.6	9.11	16	33.6	K0 J	13B	12874	J -2714159
88		8.9R	35 54.581	0.0035	20	-27 10 53.41	0.008	20	0.36	54.524	16	33.6	53.55	16	33.6	A2 J	13B	12875	J -2714162
89		9.4R	36 3.505	-0.0048	20	-27 36 22.96	-0.006	20	0.36	3.583	16	33.6	21.55	16	33.6	G5 J	13B	12876	J -2714164
90		9.5R	36 4.755	-0.0004	20	-25 43 59.68	0.017	20	0.36	4.761	16	33.6	59.95	16	33.6	F0 M	14	13682	E -2514221
91		9.1A	36 5.179	0.0013	20	-20 10 38.98	-0.144	15	0.33	5.158	16	33.6	36.62	16	33.6	G5 J	13A	8414	A -20 5638
92		9.3R	36 8.877	-0.0013	21	-28 44 37.50	0.043	21	0.38	8.898	16	33.6	38.21	16	33.6	A0 J	13B	12878	J -2816040
93		9.1R	36 11.748	-0.0031	20	-27 49 53.39	-0.032	20	0.36	11.799	16	33.6	52.87	16	33.6	G5 J	13B	12880	J -2714165
94		8.7R	36 13.894	0.0035	18	-24 17 35.91	-0.019	18	0.34	13.836	16	33.6	35.60	16	33.6	F0 J	14	13684	E -2415490
95		9.1R	36 14.977	-0.0029	18	-22 41 25.80	0.050	18	0.34	15.024	16	33.6	26.63	16	33.6	G0 J	14	13686	E -2214129
96		9.2R	36 15.476	0.0041	20	-25 45 49.13	-0.089	20	0.36	15.409	16	33.6	47.68	16	33.6	K2 M	14	13683	E -2514224
97		9.1R	36 18.179	0.0014	18	-25 52 16.26	-0.019	18	0.34	18.156	16	33.6	15.95	16	33.6	K M	14	13685	E -2614388
98		9.2R	36 21.707	0.0026	18	-22 34 32.91	0.020	18	0.34	21.664	16	33.6	33.24	16	33.6	K2 M	14	13687	E -2214131
99		8.9R	36 28.425	0.0032	15	-24 40 2.38	-0.028	15	0.29	26.374	16	33.6	1.93	16	33.6	G5 M	14	13688	E -2415494
00		9.4R	36 29.321	0.0027	22	-24 4 4.96	-0.037	22	0.40	29.276	16	33.6	4.35	16	33.6	K0 M	14	13690	E -2415496

188400			EPOCH 1950							ORIGINAL EPOCH						SP.	SOURCE		-20° 19H
NUMBER	MAGNITUDES		α_{1950}	μ	σ_μ	δ_{1950}	μ'	σ'_μ	σ_{1950}	α_2	σ	ep.	δ_2	σ'	ep.		CAT.	STAR NUMBER	DM NUMBER
	m_{pg}	m_v	h m s	s	″.001	° ′ ″	″	″.001	″	s	″.01		″	″.01					
1		9.1R	19 36 29.834	-0.0009	18	-25 11 26.38	0.009	18	0.34	29.849	16	33.6	26.53	16	33.6	F8 J	14	13869	E -2514228
2		9.2R	36 33.205	-0.0029	18	-24 41 50.34	-0.173	18	0.34	33.252	16	33.6	47.50	16	33.6	G0 M	14	13891	E -2415498
3		9.0R	36 35.710	0.0037	18	-24 15 23.40	-0.021	18	0.34	35.650	16	33.6	23.05	16	33.6	F5 J	14	13892	E -2415499
4		9.4R	36 45.232	-0.0015	20	-27 52 39.33	-0.036	20	0.36	45.257	16	33.6	38.74	16	33.6	G5 M	13B	12885	J -2816048
5		8.4R	36 45.431	0.0008	20	-22 50 39.45	-0.032	20	0.36	45.418	16	33.6	38.93	16	33.6	G5 J	14	13893	E -2315617
6		8.8A	36 46.288	0.0011	20	-21 43 17.81	-0.002	15	0.33	46.269	16	33.6	17.78	16	33.6	K7 J	13A	8417	A -21 5471
7		6.2T	36 49.241	0.0001	04	-23 32 34.90	-0.031	04	0.24	49.234	07	96.7	33.24	09	96.7	A0	GC	27189K	C*-2315618
8		9.0R	36 51.028	0.0011	18	-24 44 27.35	-0.039	18	0.34	51.010	16	33.6	27.99	16	33.6	A2 J	14	13893	E -2415501
9		9.2R	36 53.092	-0.0103	21	-23 23 40.46	-0.071	21	0.38	53.261	16	33.6	39.30	16	33.6	K0 M	14	13896	E -2315621
10		8.9R	36 53.994	0.0033	18	-27 39 5.32	-0.046	18	0.34	53.940	16	33.6	4.57	16	33.6	F0 J	13B	12888	J -2714177
11		9.0A	36 54.021	-0.0022	20	-21 27 14.92	-0.031	15	0.33	54.056	16	33.6	14.41	16	33.6	A2 J	13A	8419	A -21 5472
12		9.2R	36 55.823	-0.0003	20	-24 22 9.64	-0.004	20	0.36	55.828	16	33.6	9.57	16	33.6	K5 M	14	13897	E -2415503
13		8.8A	36 56.299	-0.0002	20	-21 7 13.26	-0.036	15	0.33	56.302	16	33.6	12.67	16	33.6	F2 J	13A	8422	A -21 5473
14		7.5R	36 57.212	-0.0003	18	-22 10 42.28	0.007	18	0.34	57.217	16	33.6	42.39	16	33.6	A0 J	14	13899	E -2214138
15		9.4R	36 58.416	0.0009	15	-24 22 59.82	0.006	15	0.29	58.401	16	33.6	59.92	16	33.6	F5 M	14	13898	E -2415504
16		9.2R	37 1.697	0.0009	18	-22 41 39.17	0.006	18	0.34	1.681	16	33.6	39.27	16	33.6	K0 M	14	13701	E -2214141
17		8.9R	37 2.130	0.0034	15	-24 10 3.65	0.011	15	0.29	2.073	16	33.6	3.83	16	33.6	K0 J	14	13700	E -2415506
18		8.4A	37 5.501	0.0012	20	-20 7 49.89	0.011	15	0.33	5.481	16	33.6	50.07	16	33.6	A0 J	13A	8423	A -20 5642
19		6.1T	37 6.878	0.0019	03	-23 32 41.62	0.003	04	0.19	6.786	07	02.1	41.76	07	02.6	K0	GC	27194	C*-2315625
20		8.5R	37 8.776	0.0049	15	-24 56 18.54	-0.013	15	0.29	8.695	16	33.6	18.33	16	33.6	G0 J	14	13702	E -2514238
21		7.9Q	37 13.259	0.0004	10	-20 39 49.73	-0.006	08	0.45	13.242	18	04.7	49.42	17	00.1	K5	GC	27196K	-20 5644
22		8.3A	37 19.063	0.0008	20	-21 25 6.97	-0.012	15	0.33	19.049	16	33.6	6.77	16	33.6	B5 J	13A	8425	A -21 5476
23		8.0T	37 22.037	0.0015	11	-23 26 52.59	-0.029	09	0.57	21.956	17	97.8	51.07	17	96.8	A2	GC	27201	C -2315627
24		9.2R	37 22.805	0.0010	13	-26 52 9.73	0.020	13	0.27	22.788	16	33.6	10.07	16	33.6	K0 M	14	13704	E -2714184
25		8.5R	37 24.532	-0.0016	18	-22 50 32.16	-0.168	18	0.34	24.558	16	33.6	29.41	16	33.6	G5 J	14	13706	E -2214148
26		8.4R	37 26.154	0.0020	15	-27 24 49.39	-0.012	15	0.29	26.122	16	33.6	49.20	16	33.6	A0 J	13B	12895	J -2714186
27		8.3A	37 36.293	0.0035	20	-21 22 9.08	-0.019	15	0.33	36.234	16	33.6	8.77	16	33.6	G0 J	13A	8428	A -21 5477
28		9.4R	37 38.989	0.0029	18	-24 36 39.46	-0.052	18	0.34	38.941	16	33.6	38.61	16	33.6	F0 J	14	13707	E -2415512
29		7.7R	37 43.171	0.0028	18	-27 48 43.85	-0.046	18	0.34	43.125	16	33.6	43.10	16	33.6	K2 J	13B	12896	J -2714190
30		9.2R	37 47.890	0.0037	18	-24 26 48.85	0.014	18	0.34	47.830	16	33.6	49.08	16	33.6	K3 J	14	13708	E -2415513
31		9.3R	37 49.764	0.0057	17	-29 30 17.71	0.056	17	0.31	49.670	16	33.6	18.63	16	33.6	A5 J	13B	12897	J -2916424
32		9.3R	37 50.915	0.0035	18	-23 17 1.26	0.003	18	0.34	50.858	16	33.6	1.32	16	33.6	K0 M	14	13709	E -2315632
33		8.1A	37 52.488	0.0002	20	-20 57 18.44	0.009	15	0.33	52.485	16	33.6	18.58	16	33.6	K5 J	13A	8429	A -21 5479
34		9.4R	37 55.426	-0.0009	18	-22 43 1.96	-0.004	18	0.34	55.441	16	33.6	1.90	16	33.6	K0 M	14	13710	E -2214151
35		9.1R	37 58.483	0.0022	18	-24 2 33.91	0.007	18	0.34	58.447	16	33.6	34.02	16	33.6	F0 J	14	13711	E -2415516
36		9.0R	38 1.262	0.0020	12	-24 59 5.52	0.012	12	0.25	1.229	16	33.6	5.72	16	33.6	G0 M	14	13712	E -2514249
37		9.3R	38 3.483	0.0031	18	-22 32 11.12	-0.009	18	0.34	3.432	16	33.6	10.98	16	33.6	G0 J	14	13715	E -2214153
38		8.1R	38 4.089	0.0047	17	-29 51 27.48	0.030	17	0.31	4.012	16	33.6	27.97	16	33.6	K0 J	13B	12900	J -3017280
39		8.5R	38 4.285	0.0007	18	-23 46 2.55	-0.019	18	0.34	4.274	16	33.6	2.24	16	33.6	K0 J	14	13713	E -2315637
40		9.1A	38 4.868	0.0006	20	-20 9 35.19	-0.012	15	0.33	4.861	16	33.6	34.99	16	33.6	F8 J	13A	8432	A -20 5652
41		9.4R	38 6.712	0.0003	15	-23 24 13.93	-0.037	15	0.29	6.707	16	33.6	13.33	16	33.6	K5 M	14	13716	E -2315640
42		9.1R	38 7.070	-0.0038	20	-25 53 2.68	0.012	20	0.36	7.132	16	33.6	2.88	16	33.6	A0 J	14	13714	E -2614412
43		9.0A	38 7.806	-0.0032	20	-20 30 49.47	-0.079	15	0.33	7.857	16	33.6	48.17	16	33.6	G0 J	13A	8433	A -20 5653
44		9.2R	38 12.010	0.0010	20	-29 18 3.74	-0.039	20	0.36	11.994	16	33.6	3.10	16	33.6	K0 M	13B	12901	J -2916436
45		8.8A	38 15.362	-0.0013	20	-20 28 29.94	-0.078	15	0.33	15.384	16	33.6	28.66	16	33.6	F8 J	13A	8434	A -20 5655
46		9.3R	38 21.826	0.0009	20	-27 23 30.03	-0.033	20	0.36	21.811	16	33.6	29.49	16	33.6	G5 M	13B	12903	J -2714194
47		8.7A	38 32.524	0.0026	20	-20 12 9.04	0.027	15	0.33	32.481	16	33.6	9.49	16	33.6	M3 J	13A	8435	A -20 5658
48		8.3R	38 33.594	-0.0009	12	-24 57 18.72	0.016	12	0.25	33.608	16	33.6	18.98	16	33.6	F0 J	14	13717	E -2514255
49		9.5R	38 38.475	0.0010	18	-23 58 59.74	-0.041	18	0.34	38.458	16	33.6	59.07	16	33.6	F8 J	14	13719	E -2415526
50		8.7R	38 38.541	0.0017	18	-26 30 6.56	0.005	18	0.34	38.514	16	33.6	6.65	16	33.6	F8 J	14	13718	E -2614421
51		8.7R	19 38 38.784	-0.0004	17	-28 48 5.13	0.003	17	0.31	38.791	16	33.6	5.18	16	33.6	K2 J	13B	12907	J -2816081
52		8.6R	38 41.206	-0.0004	18	-23 45 12.79	-0.009	18	0.34	41.212	16	33.6	12.64	16	33.6	A0 J	14	13720	E -2315652
53		8.0R	38 43.714	0.0036	13	-28 58 11.06	0.010	13	0.27	43.655	16	33.6	11.23	16	33.6	K2 J	13B	12908	J -2916443
54		9.4R	38 44.216	0.0013	13	-28 17 23.20	-0.036	13	0.27	44.194	16	33.6	22.61	16	33.6	G0 M	13B	12909	J -2816082
55		9.3R	38 46.172	0.0019	21	-29 6 6.00	0.053	21	0.38	46.142	16	33.6	6.87	16	33.6	F8 M	13B	12910	J -2916444
56		9.0R	38 46.571	-0.0025	18	-27 0 55.71	0.001	18	0.34	46.612	16	33.6	55.73	16	33.6	K0 M	13B	12911	J -2714202
57		8.7A	38 47.167	0.0007	20	-21 40 21.53	0.018	15	0.33	47.156	16	33.6	21.82	16	33.6	K0 J	13A	8437	A -21 5482
58		8.8R	38 51.554	0.0029	20	-28 29 44.91	-0.008	20	0.36	51.506	16	33.6	44.78	16	33.6	K0 M	13B	12914	J -2816086
59		8.4R	38 51.742	0.0005	17	-29 25 2.68	0.032	17	0.31	51.735	16	33.6	3.21	16	33.6	K0 J	13B	12913	J -2916446
60		8.6A	38 52.885	0.0031	20	-20 57 20.04	-0.048	15	0.33	52.834	16	33.6	19.25	16	33.6	G5F J	13A	8438	A -21 5484
61		9.2R	38 53.894	0.0003	18	-23 5 37.81	0.006	18	0.34	53.889	16	33.6	37.91	16	33.6	K2 M	14	13721	E -2315654
62		9.3R	39 0.930	0.0031	18	-24 30 37.52	0.025	18	0.34	0.878	16	33.6	37.94	16	33.6	F5 J	14	13723	E -2415527
63		9.0R	39 2.048	-0.0013	18	-22 29 56.69	0.019	18	0.34	2.069	16	33.6	57.00	16	33.6	K2 J	14	13725	E -2214165
64		9.1R	39 3.918	0.0019	18	-26 41 3.17	0.009	18	0.34	3.887	16	33.6	3.32	16	33.6	K2 M	14	13724	E -2614426
65		9.4R	39 4.353	0.0005	17	-29 44 43.68	-0.050	17	0.31	4.344	16	33.6	42.85	16	33.6	F0 M	13B	12915	J -2916448
66		8.9R	39 11.148	0.0017	18	-23 46 23.35	-0.030	18	0.34	11.120	16	33.6	22.86	16	33.6	G5 J	14	13726	E -2315661
67		9.1R	39 16.995	-0.0016	15	-25 26 47.43	-0.092	12	0.27	17.021	16	33.6	45.93	16	33.6	G5 J	14	13727	E -2514264
68		9.2A	39 17.287	-0.0001	20	-21 16 46.20	-0.008	15	0.33	17.288	16	33.6	46.07	16	33.6	G5 J	13A	8442	A -21 5489
69		8.2R	39 19.607	-0.0014	18	-26 33 44.99	-0.010	18	0.34	19.583	16	33.6	44.83	16	33.6	K2 J	14	13728	E -2614430
70		6.6T	39 20.683	0.0015	07	-24 58 39.42	-0.025	06	0.35	20.607	10	98.4	38.04	10	94.4	A5	GC	27251	C*-2514267
71		9.0R	39 35.476	0.0031	12	-25 48 7.50	0.008	12	0.25	35.425	16	33.6	7.63	16	33.6	K0 J	14	13731	E -2514269
72		9.0R	39 35.509	-0.0004	18	-24 39 12.79	0.015	18	0.34	35.516	16	33.6	13.03	16	33.6	G5 J	14	13732	E -2415531
73		7.9R	39 35.923	0.0022	18	-24 29 52.04	-0.034	18	0.34	35.887	16	33.6	51.48	16	33.6	F0 J	14	13733	E -2415532
74		9.1A	39 44.015	0.0012	20	-20 3 51.66	0.037	15	0.33	43.995	16	33.6	52.27	16	33.6	K0 J	13A	8444	A -20 5667
75		9.3R	39 46.402	0.0029	15	-23 11 9.37	0.033	15	0.29	46.354	16	33.6	9.92	16	33.6	A5 J	14	13734	E -2315670
76		8.9A	39 51.727	0.0000	18	-20 18 53.50	-0.005	12	0.30	51.727	16	33.6	53.42	16	33.6	M0 J	13A	8445	A -20 5669
77		8.7R	39 55.598	0.0004	15	-25 39 11.78	-0.005	15	0.29	55.592	16	33.6	11.70	16	33.6	K2 J	14	13735	E -2514273
78		8.6A	40 0.692	0.0024	20	-21 36 7.96	-0.023	15	0.33	0.652	16	33.6	7.58	16	33.6	K0 J	13A	8446	A -21 5494
79		8.7R	40 3.075	0.0009	17	-28 45 59.40	0.015	17	0.31	3.060	16	33.6	59.65	16	33.6	F5 J	13B	12926	J -2816106
80		9.1R	40 9.709	-0.0010	18	-27 1 7.29	-0.037	18	0.34	9.726	16	33.6	6.69	16	33.6	G0 M	13B	12927	J -2714219
81		9.4R	40 11.228	0.0011	18	-23 40 32.98	0.004	18	0.34	11.210	16	33.6	33.05	16	33.6	F5 M	14	13737	E -2315677
82		9.3A	40 11.594	0.0002	20	-20 47 36.61	-0.012	15	0.33	11.591	16	33.6	36.41	16	33.6	F5 J	13A	8449	A -21 5496
83		9.4R	40 12.527	0.0044	18	-23 50 3.20	0.007	18	0.34	12.455	16	33.6	3.31	16	33.6	K0 M	14	13738	E -2415540
84		9.4R	40 21.972	0.0001	18	-22 19 43.51	0.007	18	0.34	21.971	16	33.6	43.62	16	33.6	K0 M	14	13741	E -2214179
85		8.6R	40 22.621	-0.0022	18	-23 44 8.88	-0.020	18	0.34	22.656	16	33.6	8.55	16	33.6	A2 J	14	13740	E -2315679
86		9.2R	40 23.462	0.0006	12	-25 17 16.91	-0.017	12	0.25	23.453	16	33.6	16.64	16	33.6	K0 M	14	13739	E -2514281
87		9.1R	40 29.342	0.0037	20	-28 51 11.74	0.001	20	0.36	29.281	16	33.6	11.76	16	33.6	F8 J	13B	12928	J -2916466
88	10.9	9.9W	40 32.794	0.0019	21	-29 54 46.91	0.040	21	0.42	32.760	22	32.7	47.59	21	32.7	K0 L	C7	10746	C -3017315
89		9.1R	40 34.015	0.0059	17	-29 14 52.27	-0.184	17	0.31	33.918	16	33.6	49.25	16	33.6	F8 M	13B	12930	J -2916467
90		8.7R	40 38.213	-0.0015	18	-22 2 58.73	0.048	18	0.34	38.237	16	33.6	59.51	16	33.6	F8 J	14	13743	E -2214183
91		8.1T	40 42.564	0.0031	20	-24 50 29.40	-0.160	20	0.90	42.427	21	05.3	22.24	21	05.2	G5	GC	27290	C*-2514285
92		9.5R	40 45.307	0.0098	17	-28 45 36.91	0.008	20	0.34	45.146	16	33.6	37.05	16	33.6	F0 M	13B	12932	J -2816109
93		9.2R	40 47.698	0.0009	18	-22 34 13.11	-0.013	18	0.34	47.683	16	33.6	12.90	16	33.6	K7 M	14	13745	E -2214185
94		8.9R	40 48.308	0.0023	15	-25 2 0.22	0.000	15	0.29	48.270	16	33.6	0.23	16	33.6	A2 J	14	13745	E -2514289
95		9.1A	40 48.325	0.0013	20	-21 16 56.50	-0.006	15	0.33	48.303	16	33.6	56.39	16	33.6	F0 J	13A	8455	A -21 5498
96		8.8R	40 55.776	0.0020	18	-26 40 1.54	-0.053	18	0.34	55.744	16	33.6	0.68	16	33.6	G0 J	14	13747	E -2614450
97		9.3A	41 5.235	-0.0006	20	-21 50 32.54	0.012	15	0.33	5.246	16	33.6	32.73	16	33.6	G5 J	13A	8456	A -22 5206
98		9.2R	41 6.468	0.0015	20	-29 16 4.13	-0.040	20	0.36	6.443	16	33.6	3.48	16	33.6	K	13B	12939	J -2916476
99		9.6R	41 14.197	-0.0035	21	-27 58 16.07	0.002	21	0.38	14.254	16	33.6	16.11	16	33.6	G0 M	13B	12941	J -2816115
00		9.6R	41 16.219	0.0022	18	-27 3 54.28	-0.070	18	0.34	16.184	16	33.6	53.14	16	33.6	K0 M	13B	12943	J -2714231

188500

EPOCH 1950 — ORIGINAL EPOCH — SOURCE — -20° 19H

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	α_{1950} h m s	μ s	σ_μ ″/001	δ_{1950} ° ′ ″	μ' ″	σ_μ ″/001	σ_{1950} ″	α_2 s	σ ″/01	ep.	δ_2 ″	σ' ″/01	ep.	SP.	CAT.	STAR NUMBER	DM NUMBER
1		7.8R	19 41 16.696	0.0022	18	-27 45 42.06	-0.039	15	0.31	16.660	16	33.6	41.43	16	33.6	K0 J	13B	12942	J -2714230
2		9.1A	41 18.345	0.0000	15	-20 21 39.17	-0.004	11	0.26	18.346	16	33.6	39.10	16	33.6	K5 J	13A	8457	A -20 5679
3		8.9R	41 19.149	0.0041	20	-27 4 5.14	-0.147	20	0.36	19.081	16	33.6	2.74	16	33.6	G5 J	13B	12946	J -2714232
4		9.2R	41 20.978	0.0012	17	-28 23 54.78	0.015	17	0.31	20.959	16	33.6	55.03	16	33.6	F5 M	13B	12947	J -2816117
5		8.5R	41 21.930	-0.0027	18	-26 34 36.93	0.011	18	0.34	21.974	16	33.6	37.12	16	33.6	F5 J	14	13748	E -2614457
6		8.5R	41 27.354	0.0017	18	-23 16 18.90	0.002	18	0.34	27.326	16	33.6	18.94	16	33.6	F0 J	14	13750	E -2315690
7		8.6R	41 28.870	-0.0002	18	-26 5 18.61	-0.000	18	0.34	28.873	16	33.6	18.60	16	33.6	K0 J	14	13749	E -2614460
8		8.7A	41 30.341	-0.0015	20	-20 54 32.20	-0.002	15	0.33	30.364	16	33.6	32.16	16	33.6	G5 J	13A	8458	A -21 5506
9		7.5R	41 33.308	-0.0006	18	-22 58 36.04	0.009	18	0.34	33.317	16	33.6	36.19	16	33.6	F2 J	14	13751	E -2315691
10		9.4R	41 35.638	0.0055	18	-24 31 44.66	-0.022	18	0.34	35.547	16	33.6	44.30	16	33.6	F5 J	14	13752	E -2415557
11		7.5R	41 40.799	-0.0009	18	-23 23 5.77	-0.049	18	0.34	40.813	16	33.6	4.97	16	33.6	K2 J	14	13753	E -2315692
12		8.9R	41 46.291	0.0038	17	-29 52 38.31	0.018	17	0.31	46.228	16	33.6	38.61	16	33.6	A0 J	13B	12949	J -3017330
13		8.4R	41 48.180	0.0024	20	-26 55 33.96	-0.002	20	0.36	48.140	16	33.6	33.93	16	33.6	F2 J	13B	12953	J -2714239
14		9.2R	41 48.228	0.0008	15	-23 54 24.37	0.018	15	0.29	48.215	16	33.6	24.66	16	33.6	K5 M	14	13756	E -2415562
15		8.8R	41 48.393	0.0025	12	-25 25 47.72	0.017	12	0.25	48.352	16	33.6	48.00	16	33.6	F0 J	14	13755	E -2514302
16		9.2R	41 49.498	0.0006	20	-29 3 0.22	0.003	20	0.36	49.488	16	33.6	0.27	16	33.6	A0 J	13B	12952	J -2916487
17		9.3R	41 49.568	-0.0031	21	-29 23 55.61	0.001	21	0.38	49.619	16	33.6	55.63	16	33.6	F8 M	13B	12951	J -2916486
18		9.0A	41 51.340	0.0016	20	-20 56 35.33	-0.015	15	0.33	51.313	16	33.6	35.08	16	33.6	K7 J	13A	8459	A -21 5503
19		9.1R	41 55.343	0.0014	12	-25 48 9.18	0.012	12	0.25	55.320	16	33.6	9.37	16	33.6	K0 M	14	13757	E -2514303
20		9.1R	41 56.873	-0.0022	17	-26 29 33.30	0.027	17	0.31	56.909	16	33.6	33.75	16	33.6	K0 M	14	13758	E -2614473
21		8.9R	42 2.186	0.0010	20	-26 43 53.56	0.031	20	0.36	2.169	16	33.6	54.08	16	33.6	K2 M	14	13759	E -2614474
22		9.0R	42 5.628	-0.0006	20	-29 14 6.74	0.019	20	0.36	5.638	16	33.6	7.06	16	33.6	F8 J	13B	12955	J -2916494
23		8.5R	42 8.860	-0.0004	12	-25 29 51.43	0.034	12	0.25	8.867	16	33.6	51.99	16	33.6	K5 J	14	13760	E -2514308
24		8.3T	42 9.837	-0.0003	13	-27 31 5.79	-0.016	14	0.73	9.851	17	97.5	5.00	19	99.5	K5	GC	27317	C -2714243
25		9.1R	42 9.883	-0.0023	18	-22 29 53.15	-0.047	18	0.34	9.922	16	33.6	52.38	16	33.6	F8 J	14	13761	E -2214200
26		9.0R	42 16.664	0.0002	18	-22 52 17.24	0.005	18	0.34	16.660	16	33.6	17.33	16	33.6	F0 J	14	13762	E -2315704
27		8.4R	42 22.104	0.0020	17	-27 50 4.97	0.005	17	0.31	22.071	16	33.6	5.06	16	33.6	G5 J	13B	12959	J -2816131
28		8.6R	42 22.713	0.0001	18	-25 48 13.84	0.003	18	0.34	22.711	16	33.6	13.89	16	33.6	K0 J	14	13763	E -2514312
29		8.4R	42 34.168	0.0024	18	-25 17 48.34	-0.050	18	0.34	34.128	16	33.6	47.53	16	33.6	F0 J	14	13764	E -2514315
30		8.5R	42 35.210	-0.0003	17	-28 42 3.20	0.036	17	0.31	35.215	16	33.6	3.79	16	33.6	G0 J	13B	12961	J -2816134
31		9.3R	42 42.895	0.0015	18	-22 36 52.96	0.018	18	0.34	42.870	16	33.6	53.26	16	33.6	F0 J	14	13767	E -2214210
32		9.0R	42 43.826	0.0014	15	-26 49 54.96	-0.075	12	0.27	43.802	16	33.6	53.74	16	33.6	F5 M	14	13765	E -2714247
33		9.1R	42 44.804	0.0031	18	-23 8 52.27	-0.010	18	0.34	44.753	16	33.6	52.11	16	33.6	F8 J	14	13768	E -2315713
34		8.9R	42 45.277	0.0035	12	-25 20 45.43	-0.076	12	0.25	45.219	16	33.6	44.19	16	33.6	G0 M	14	13766	E -2514319
35		9.1R	42 54.910	0.0026	17	-25 39 3.65	-0.044	13	0.29	54.868	16	33.6	2.93	16	33.6	G0 J	14	13769	E -2514320
36		9.5R	42 55.040	0.0035	21	-25 38 54.17	-0.065	21	0.38	54.982	16	33.6	53.19	16	33.6	G0 J	14	13770	E -2514320
37		8.6R	42 57.004	-0.0019	18	-22 11 40.98	0.011	18	0.34	57.036	16	33.6	41.16	16	33.6	K2 J	14	13771	E -2214212
38		9.0R	43 7.357	0.0003	17	-28 44 57.13	0.002	17	0.31	7.352	16	33.6	57.17	16	33.6	A0 J	13B	12964	J -2816140
39		8.9A	7.572	0.0006	20	-21 4 0.52	-0.006	15	0.33	7.562	16	33.6	0.42	16	33.6	K0 J	13A	8466	A -21 5507
40		8.9R	9.956	-0.0030	15	-25 47 12.29	0.007	15	0.29	10.006	16	33.6	12.40	16	33.6	K2 J	14	13774	E -2514323
41		9.3R	43 10.442	0.0000	18	-23 11 13.75	-0.008	18	0.34	10.442	16	33.6	13.62	16	33.6	G2 M	14	13776	E -2315722
42		9.0R	43 10.546	-0.0015	20	-26 34 59.37	-0.006	20	0.36	10.571	16	33.6	59.28	16	33.6	K5 M	14	13773	E -2614492
43		8.7R	43 10.905	-0.0016	17	-26 2 28.69	0.020	17	0.31	10.931	16	33.6	29.02	16	33.6	A0 J	14	13775	E -2614493
44		7.7T	43 14.488	0.0012	11	-27 23 19.86	0.061	10	0.53	14.430	12	01.8	22.91	12	00.3	K0	GC	27343	C -2714254
45		9.2R	43 15.359	0.0068	18	-23 42 1.49	-0.042	18	0.34	15.248	16	33.6	0.80	16	33.6	G0 J	14	13777	E -2315724
46		9.0R	43 22.762	0.0004	20	-25 54 10.48	-0.034	20	0.36	22.756	16	33.6	9.91	16	33.6	G0 J	14	13778	E -2614494
47		7.6R	43 23.574	-0.0042	18	-25 0 4.51	0.015	18	0.34	23.643	16	33.6	4.76	16	33.6	F0 J	14	13779K	E -2514325
48		8.5R	43 27.691	0.0036	17	-27 7 28.80	0.046	17	0.31	27.632	16	33.6	29.56	16	33.6	K0 J	13B	12966	J -2714257
49		9.1A	43 30.628	0.0061	20	-20 17 26.35	0.038	15	0.33	30.527	16	33.6	26.98	16	33.6	F2 J	13A	8469	A -20 5700
50		9.0R	43 31.007	0.0004	21	-27 37 14.43	-0.018	21	0.38	31.000	16	33.6	14.14	16	33.6	K0 M	13B	12969	J -2714258
51		8.0A	19 43 32.793	0.0048	18	-21 38 46.07	-0.013	13	0.30	32.714	16	33.6	45.85	16	33.6	A5 J	13A	8470K	A -21 5510
52		9.2R	43 33.021	0.0020	20	-26 45 56.75	0.002	20	0.36	32.988	16	33.6	56.79	16	33.6	F5 M	14	13780	E -2614497
53		8.9R	43 36.102	-0.0000	12	-29 43 30.82	0.028	12	0.25	36.102	16	33.6	31.29	16	33.6	A0 J	13B	12970	J -2916512
54		8.7R	43 38.803	0.0015	20	-26 13 10.47	-0.024	20	0.36	38.779	16	33.6	10.06	16	33.6	K2 J	14	13781	E -2614498
55		8.7A	43 40.567	0.0008	20	-21 1 41.37	0.049	15	0.33	40.554	16	33.6	42.17	16	33.6	F8 J	13A	8473	A -21 5513
56	10.0	9.9W	43 50.477	0.0067	21	-29 56 4.26	0.020	21	0.42	50.360	22	32.7	4.59	21	32.7	F5 L	C7	10774	C -3017359
57		9.2R	43 50.880	-0.0003	20	-25 54 8.87	-0.022	17	0.34	50.885	16	33.6	8.51	16	33.6	K2 M	14	13782	E -2614502
58		8.4R	43 52.237	0.0021	20	-28 57 10.94	-0.027	20	0.36	52.203	16	33.6	10.50	16	33.6	G5 J	13B	12972	J -2916516
59		7.6R	43 56.667	0.0016	18	-26 36 49.25	-0.033	18	0.34	56.641	16	33.6	48.72	16	33.6	K2 J	14	13783	E -2614504
60		8.5R	44 7.219	0.0018	18	-23 51 30.51	0.007	18	0.34	7.189	16	33.6	30.62	16	33.6	A3 J	14	13784	E -2415587
61		8.9R	44 8.725	0.0014	18	-22 55 21.19	-0.007	18	0.34	8.702	16	33.6	21.08	16	33.6	K0 M	14	13785	E -2315740
62		8.8R	44 11.011	0.0017	18	-23 30 17.73	0.001	18	0.34	10.983	16	33.6	17.75	16	33.6	A2 J	14	13786	E -2315742
63		8.3A	44 11.426	-0.0032	20	-20 0 14.43	-0.016	15	0.33	11.478	16	33.6	14.17	16	33.6	G0 J	13A	8476K	A -20 5705
64		8.1R	44 18.650	0.0008	20	-26 56 58.06	0.003	20	0.36	18.636	16	33.6	58.11	16	33.6	A2 J	13B	12979	J -2714268
65		9.1R	44 19.369	-0.0018	18	-24 32 3.41	-0.042	18	0.34	19.397	16	33.6	2.72	16	33.6	K2 J	14	13787	E -2415589
66		9.2R	44 26.045	0.0057	20	-26 57 42.73	-0.032	20	0.36	25.952	16	33.6	42.21	16	33.6	F0 J	13B	12980	J -2714272
67		9.1A	44 27.602	0.0017	20	-21 45 44.01	-0.006	15	0.33	27.575	16	33.6	43.91	16	33.6	G0 J	13A	8477	A -21 5517
68		8.2R	44 30.277	-0.0006	18	-22 56 4.12	-0.002	18	0.34	30.286	16	33.6	4.09	16	33.6	A3 J	14	13788	E -2315745
69		8.4R	44 32.687	0.0049	18	-21 57 6.56	0.002	18	0.34	32.606	16	33.6	6.59	16	33.6	G0 J	14	13790	E -2214231
70		7.8R	44 37.092	-0.0001	12	-25 45 2.90	0.018	12	0.25	37.094	16	33.6	3.20	16	33.6	K2 J	14	13789	E -2514339
71		6.9T	44 42.057	0.0022	08	-28 36 56.76	-0.007	07	0.50	41.923	17	90.3	56.33	15	86.1	G0	GC	27375	C*-2816165
72		7.5T	44 44.240	-0.0067	10	-29 17 4.17	0.008	08	0.55	44.592	18	97.1	4.64	18	92.3	G0	GC	27376	C -2916528
73		9.5R	44 45.692	-0.0036	20	-28 13 43.10	-0.045	20	0.36	45.751	16	33.6	42.37	16	33.6	F8 M	13B	12985	J -2816166
74		8.2R	44 47.252	0.0048	20	-27 51 23.27	-0.033	20	0.36	47.173	16	33.6	22.73	16	33.6	A0 J	13B	12986	J -2816167
75		9.6R	44 51.037	-0.0012	18	-24 54 57.11	0.002	18	0.34	51.056	16	33.6	57.14	16	33.6	F5 J	14	13791	E -2514341
76		9.3R	44 52.204	0.0019	20	-28 30 19.43	0.039	20	0.36	52.173	16	33.6	20.07	16	33.6	G0 M	13B	12987	J -2816169
77		8.9R	44 58.451	0.0006	17	-29 35 48.33	-0.029	17	0.31	58.441	16	33.6	47.86	16	33.6	K0 J	13B	12988	J -2916530
78		9.1R	45 2.014	0.0020	18	-24 33 13.58	-0.019	18	0.34	1.982	16	33.6	13.27	16	33.6	K0 J	14	13792	E -2415596
79		9.4R	45 3.055	0.0013	18	-22 18 1.57	0.012	18	0.34	3.033	16	33.6	1.76	16	33.6	F8 J	14	13795	E -2214236
80		6.7T	45 3.200	-0.0005	08	-21 4 56.14	0.004	07	0.37	3.225	09	01.2	56.32	10	99.9	G0	GC	27385	-21 5522
81		9.5R	45 3.719	0.0027	18	-23 3 51.80	-0.025	18	0.34	3.675	16	33.6	51.40	16	33.6	K0 M	14	13794	E -2315750
82		8.7R	45 4.457	-0.0023	18	-26 1 21.25	-0.029	18	0.34	4.495	16	33.6	20.78	16	33.6	A0 J	14	13793	E -2614522
83		9.4R	45 5.572	0.0073	18	-22 42 47.43	-0.131	18	0.34	5.452	16	33.6	45.29	16	33.6	G2 M	14	13796	E -2214238
84		9.0A	45 7.653	-0.0026	20	-21 15 19.98	0.016	15	0.33	7.695	16	33.6	20.24	16	33.6	K0 J	13A	8485	A -21 5523
85		9.0R	45 15.843	0.0005	20	-29 39 7.95	0.028	20	0.36	15.835	16	33.6	8.41	16	33.6	G5 J	13B	12992	J -2916535
86		9.3R	45 16.211	-0.0011	15	-25 22 53.29	0.019	15	0.29	16.230	16	33.6	53.61	16	33.6	K0 M	14	13798	E -2514346
87		9.1R	45 20.235	-0.0002	18	-26 14 17.90	-0.034	18	0.34	20.238	16	33.6	17.33	16	33.6	G5 J	14	13800	E -2614526
88		9.0A	45 21.515	0.0012	20	-20 48 46.15	-0.004	15	0.33	21.495	16	33.6	46.21	16	33.6	K0 J	13A	8488	A -21 5527
89		8.7R	45 22.127	-0.0015	18	-27 13 10.54	-0.073	18	0.34	22.151	16	33.6	9.35	16	33.6	F2 J	13B	12994	J -2714282
90		8.2T	45 23.985	0.0035	20	-28 49 14.96	-0.015	16	0.89	23.817	22	02.8	14.22	21	99.8	F5	GC	27397	C -2816180
91		8.6R	45 24.429	0.0005	18	-23 14 0.42	-0.016	18	0.34	24.420	16	33.6	0.17	16	33.6	K5 J	14	13801	E -2315753
92		9.2R	45 26.354	-0.0027	17	-27 59 0.99	-0.009	12	0.28	26.398	16	33.6	0.85	16	33.6	K0 M	13B	12995	J -2816181
93		9.3R	45 30.535	0.0004	18	-22 9 1.32	0.016	18	0.34	30.529	16	33.6	1.58	16	33.6	K0 J	14	13802	E -2214245
94		8.1R	45 33.015	0.0033	20	-29 1 31.28	0.018	20	0.36	32.961	16	33.6	31.58	16	33.6	F0 J	13B	12996	J -2916537
95		9.2R	45 38.396	-0.0022	17	-28 17 22.59	0.025	17	0.31	38.433	16	33.6	23.00	16	33.6	K0 M	13B	12998	J -2816185
96		9.5R	45 43.621	0.0014	18	-23 48 48.14	-0.020	18	0.34	43.598	16	33.6	47.81	16	33.6	F5 J	14	13803	E -2315757
97		9.5R	45 48.612	-0.0027	18	-26 45 7.02	0.027	18	0.34	48.656	16	33.6	7.47	16	33.6	F5 M	14	13804	E -2614533
98		9.4R	45 49.218	-0.0016	18	-23 29 53.45	-0.026	18	0.34	49.244	16	33.6	53.03	16	33.6	K0 M	14	13805	E -2315760
99		9.1R	45 50.383	-0.0012	17	-29 51 15.51	-0.019	17	0.31	50.402	16	33.6	15.19	16	33.6		13B	13000	J -3017364
00		8.6R	45 52.366	0.0043	12	-29 47 37.55	-0.019	12	0.25	52.296	16	33.6	37.23	16	33.6	K0 J	13B	13001	J -2916544

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NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	EPOCH 1950 μ s	EPOCH 1950 σ_μ ″.001	EPOCH 1950 δ_{1950} ° ′ ″	EPOCH 1950 μ' ″	EPOCH 1950 $\sigma_{\mu'}$ ″.001	EPOCH 1950 σ_{1950} ″	ORIGINAL EPOCH α_2 s	ORIGINAL EPOCH σ ″.01	ORIGINAL EPOCH ep.	ORIGINAL EPOCH δ_2 ″	ORIGINAL EPOCH σ' ″.01	ORIGINAL EPOCH ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	-20° 19H DM NUMBER
1		8.3R	19 45 59.041	0.0004	12	-28 32 10.87	0.007	12	0.25	59.035	16	33.6	10.99	16	33.6	K2 J	13B	13003	J -2816188
2		9.4R	46 1.727	-0.0008	18	-24 16 59.26	-0.013	18	0.34	1.740	16	33.6	59.05	16	33.6	K0 M	14	13806	E -2415609
3		6.1T	46 4.511	0.0092	07	-28 54 49.49	-0.105	07	0.31	4.110	07	06.2	44.83	09	00.5	F0	GC	27412K	C -2916546
4		9.1A	46 18.753	-0.0007	17	-20 51 2.75	0.013	12	0.28	18.765	16	33.6	2.96	16	33.6	A3 J	13A	8491	A -21 5533
5		9.2R	46 22.451	-0.0018	18	-27 46 1.51	-0.006	18	0.34	22.431	16	33.6	1.42	16	33.6	A0 J	13B	13008	J -2714295
6		8.9A	46 48.430	0.0021	20	-20 52 21.14	-0.007	15	0.33	48.395	16	33.6	21.02	16	33.6	A5 J	13A	8493	A -21 5539
7		8.0R	46 53.085	0.0016	12	-26 29 17.90	-0.010	12	0.25	53.058	16	33.6	17.72	16	33.6	K2 J	14	13807	E -2614549
8		9.2A	46 58.554	0.0016	20	-20 19 46.08	-0.008	15	0.33	58.528	16	33.6	45.95	16	33.6	A0 J	13A	8495	A -20 5722
9		9.2R	47 0.590	0.0008	18	-27 15 12.29	-0.009	18	0.34	0.577	16	33.6	12.15	16	33.6	F8 J	13B	13016	J -2714302
10		9.1A	47 10.536	-0.0014	20	-21 39 5.26	-0.000	15	0.33	10.560	16	33.6	5.26	16	33.6	K2 J	13A	8497	A -21 5540
11		9.1R	47 17.180	-0.0013	18	-22 21 5.31	0.017	18	0.34	17.202	16	33.6	5.58	16	33.6	K5 J	14	13812	E -2214275
12		7.8R	47 17.407	0.0008	18	-22 54 25.92	0.003	18	0.34	17.394	16	33.6	25.98	16	33.6	B9 J	14	13810	E -2315780
13		7.4T	47 18.187	0.0012	06	-26 50 35.07	0.004	06	0.29	18.133	10	05.2	35.28	12	01.5	K0	GC	27444	C -2714309
14		9.0R	47 21.183	-0.0040	18	-26 6 17.70	-0.010	18	0.34	21.249	16	33.6	17.52	16	33.6	K0 M	14	13811	E -2614554
15		8.9A	47 23.475	0.0021	20	-21 46 11.47	-0.016	15	0.33	23.441	16	33.6	11.20	16	33.6	A5 J	13A	8501	A -21 5542
16		8.9R	47 23.799	0.0004	18	-23 44 13.20	-0.012	18	0.34	23.793	16	33.6	13.00	16	33.6	F0 J	14	13813	E -2315782
17		8.8T	47 26.098	0.0050	18	-27 24 49.77	-0.036	17	0.87	25.856	19	01.6	48.05	21	01.9	F8	GC	27449	C -2714315
18		9.6R	47 37.238	-0.0000	18	-24 34 45.75	-0.023	18	0.34	37.238	16	33.6	45.37	16	33.6	F0 J	14	13816	E -2415620
19		8.3R	47 37.699	0.0004	12	-25 25 58.88	-0.003	12	0.25	37.692	16	33.6	58.84	16	33.6	K0 J	14	13815	E -2514375
20		8.3R	47 38.595	0.0004	18	-26 17 53.06	-0.056	18	0.34	38.588	16	33.6	52.15	16	33.6	G5 J	14	13814K	E -2614557
21		8.1T	47 41.921	0.0025	14	-27 28 40.17	-0.006	12	0.70	41.795	21	99.8	39.88	18	96.4	G5	GC	27454	C -2714312
22		9.4R	47 52.128	-0.0001	18	-22 47 2.58	0.002	18	0.34	52.130	16	33.6	2.62	16	33.6	F8 J	14	13819	E -2214286
23		8.6R	47 52.669	0.0003	12	-26 45 58.47	-0.007	12	0.25	52.663	16	33.6	58.36	16	33.6	A2 J	14	13817K	E -2614561
24		9.1R	47 55.414	0.0007	17	-25 55 24.29	0.020	17	0.31	55.402	16	33.6	24.62	16	33.6	F0 M	14	13818	E -2614562
25		9.4R	47 57.185	0.0018	18	-23 41 48.61	-0.020	18	0.34	57.155	16	33.6	48.28	16	33.6	F8 J	14	13820	E -2315789
26		7.2T	48 5.454	0.0016	07	-27 36 0.75	-0.009	07	0.40	5.368	10	97.4	0.28	10	95.1	B9	GC	27467	C -2714317
27		8.9R	48 6.984	0.0042	18	-23 29 35.64	-0.082	18	0.34	6.915	16	33.6	34.30	16	33.6	G5 J	14	13821	E -2315791
28		9.0R	48 13.340	0.0011	20	-27 18 14.13	-0.006	20	0.36	13.321	16	33.6	14.04	16	33.6	A0 J	13B	13025	J -2714323
29		9.2A	48 16.834	0.0005	18	-20 37 51.10	0.001	13	0.30	16.826	16	33.6	51.11	16	33.6	F0 J	13A	8505	A -20 5728
30		10.4W	48 17.357	-0.0036	21	-29 55 51.75	-0.025	21	0.42	17.420	22	32.7	51.39	21	32.7		C7	10816	C -3017418
31		9.0R	48 19.607	0.0009	20	-28 21 11.95	0.059	17	0.34	19.593	16	33.6	12.92	16	33.6	B J	13B	13028	J -2816217
32		9.3R	48 19.616	-0.0018	18	-26 36 29.75	-0.021	18	0.34	19.645	16	33.6	29.41	16	33.6	K0 M	14	13823	E -2614569
33		8.5R	48 19.938	0.0027	17	-28 7 1.52	-0.011	17	0.31	19.894	16	33.6	1.34	16	33.6	G5 J	13B	13030	J -2816219
34		8.3R	48 20.012	0.0017	17	-28 35 18.16	0.029	17	0.31	19.985	16	33.6	18.64	16	33.6	K0 J	13B	13029	J -2816218
35		8.7R	48 23.423	0.0066	12	-24 55 9.82	0.013	12	0.25	23.315	16	33.6	10.04	16	33.6	G5 J	14	13825	E -2514384
36		8.8A	48 24.400	0.0000	20	-21 16 34.65	-0.011	15	0.33	24.399	16	33.6	34.46	16	33.6	K0 J	13A	8506	A -21 5546
37		9.2R	48 28.017	-0.0047	15	-24 54 31.15	-0.019	15	0.29	28.094	16	33.6	30.84	16	33.6	K0 M	14	13826	E -2514387
38		9.4R	48 32.718	0.0015	18	-22 30 45.34	-0.005	18	0.34	32.693	16	33.6	45.26	16	33.6	A2 J	14	13827	E -2214295
39		7.6T	48 36.134	0.0006	09	-27 12 38.44	0.002	09	0.52	36.106	14	94.2	38.58	15	90.9	B9	GC	27479	C -2714330
40		9.1R	48 38.823	0.0003	20	-27 16 19.18	-0.005	20	0.36	38.817	16	33.6	19.10	16	33.6	F2 M	13B	13033	J -2714332
41		9.1R	48 42.883	0.0007	20	-28 45 18.85	0.071	20	0.36	42.872	16	33.6	20.02	16	33.6	K2 M	13B	13034	J -2816226
42		8.9R	48 42.902	-0.0024	21	-28 4 34.31	-0.037	21	0.38	42.942	16	33.6	33.71	16	33.6	K0 M	13B	13035	J -2816227
43		7.6R	48 44.380	-0.0003	20	-28 41 9.12	-0.015	20	0.36	44.385	16	33.6	8.88	16	33.6	K2 J	13B	13036	J -2816228
44		7.5R	48 52.235	-0.0017	17	-28 37 38.72	-0.002	17	0.31	52.264	16	33.6	38.69	16	33.6	K0 J	13B	13038	J -2816230
45		9.5R	48 53.137	0.0014	18	-21 51 19.79	0.001	18	0.34	53.114	16	33.6	19.80	16	33.6	K0 M	14	13828	E -2214301
46		8.5R	49 3.807	0.0020	18	-24 34 2.64	-0.002	18	0.34	3.774	16	33.6	2.61	16	33.6	F5 J	14	13829	E -2415641
47		8.7R	49 10.566	0.0064	17	-29 50 55.46	-0.112	17	0.31	10.460	16	33.6	53.62	16	33.6	K0 M	13B	13041	J -3017429
48		9.4R	49 16.359	-0.0018	12	-25 28 48.61	0.012	12	0.25	16.388	16	33.6	48.81	16	33.6	G0 M	14	13830	E -2514392
49		8.9A	49 16.417	-0.0002	20	-20 22 38.06	-0.010	15	0.33	16.420	16	33.6	37.90	16	33.6	K2 J	13A	8512	A -20 5739
50		9.5R	49 22.486	0.0042	18	-22 20 7.61	-0.005	18	0.34	22.417	16	33.6	7.52	16	33.6	K2 M	14	13834	E -2214305
51		9.2R	19 49 22.745	-0.0031	20	-26 40 13.93	0.019	20	0.36	22.796	16	33.6	14.25	16	33.6	K2 M	14	13832	E -2614583
52		9.0R	49 23.297	0.0002	18	-22 53 43.27	-0.010	18	0.34	23.293	16	33.6	43.11	16	33.6	K5 J	14	13835	E -2315806
53		9.4R	49 25.115	0.0018	12	-24 53 37.70	-0.010	12	0.25	25.085	16	33.6	37.54	16	33.6	K0 M	14	13833	E -2514395
54		9.0R	49 29.709	0.0023	18	-24 4 42.05	-0.053	18	0.34	29.670	16	33.6	41.18	16	33.6	K5 J	14	13837	E -2415644
55		9.2R	49 30.230	-0.0098	15	-26 47 59.52	0.012	15	0.29	30.391	16	33.6	59.72	16	33.6	G0 M	14	13836	E -2614586
56		9.4A	49 31.353	-0.0008	20	-20 0 35.72	-0.010	15	0.33	31.367	16	33.6	35.56	16	33.6	A2 J	13A	8515	A -20 5742
57		8.4R	49 39.610	0.0016	17	-28 16 17.30	0.040	17	0.31	39.583	16	33.6	17.96	16	33.6	K0 J	13B	13044	J -2816243
58		8.3R	49 40.073	0.0011	12	-26 58 4.78	-0.040	12	0.25	40.055	16	33.6	4.13	16	33.6	G5 J	13B	13045	J -2714343
59		9.0A	49 40.891	-0.0008	20	-21 28 18.35	-0.000	15	0.33	40.904	16	33.6	18.35	16	33.6	F2 J	13A	8517	A -21 5554
60		9.2R	49 41.559	-0.0002	15	-22 20 35.57	0.014	15	0.29	41.562	16	33.6	35.79	16	33.6	F0 J	14	13840	E -2214311
61		8.4R	49 41.792	0.0006	15	-25 7 28.79	0.002	15	0.29	41.783	16	33.6	28.83	16	33.6	K5 J	14	13838	E -2514399
62		8.6R	49 43.353	-0.0005	20	-26 18 26.67	0.001	20	0.36	43.362	16	33.6	26.69	16	33.6	F0 J	14	13839	E -2614589
63		9.1A	49 44.167	0.0022	20	-20 4 57.43	-0.056	15	0.33	44.132	16	33.6	56.52	16	33.6	G0 J	13A	8520	A -20 5743
64		9.1R	49 44.241	0.0024	20	-27 1 8.48	-0.048	20	0.36	44.201	16	33.6	7.70	16	33.6	G J	13B	13046	J -2714346
65		8.7R	49 49.245	-0.0006	20	-25 20 5.41	-0.029	20	0.36	49.255	16	33.6	4.94	16	33.6	G5 J	14	13841	E -2514400
66		9.1R	49 50.293	0.0020	18	-24 0 38.42	-0.012	18	0.34	50.259	16	33.6	38.22	16	33.6	K5 J	14	13842	E -2415648
67		8.2R	49 51.332	0.0026	18	-23 17 9.10	-0.023	18	0.34	51.289	16	33.6	8.73	16	33.6	A0 J	14	13843	E -2315811
68		9.5R	49 54.060	0.0007	18	-22 27 5.72	-0.018	18	0.34	54.049	16	33.6	5.42	16	33.6	K0 M	14	13844	E -2214316
69		8.7A	49 55.915	-0.0005	20	-21 11 47.01	0.024	15	0.33	55.922	16	33.6	47.40	16	33.6	B8 J	13A	8521	A -21 5556
70		9.5R	49 58.911	0.0008	18	-23 17 34.86	-0.025	18	0.34	58.898	16	33.6	34.46	16	33.6	F8 M	14	13845	E -2315812
71		9.4R	50 1.144	-0.0006	18	-22 53 37.28	0.006	18	0.34	1.155	16	33.6	37.38	16	33.6	K0 M	14	13847	E -2315813
72		9.1R	50 4.482	0.0032	20	-25 40 40.98	0.001	20	0.36	4.429	16	33.6	41.00	16	33.6	K M	14	13846	E -2514402
73		7.9T	50 6.450	0.0033	18	-25 35 28.69	-0.034	20	0.94	6.289	18	01.1	27.04	21	02.1	F8	GC	27522K	C*-2514403
74		9.4A	50 11.124	0.0009	18	-21 33 22.88	-0.024	13	0.30	11.110	16	33.6	22.48	16	33.6	F5 J	13A	8522	A -21 5560
75		9.8R	50 14.403	0.0022	18	-23 49 57.93	-0.012	18	0.34	14.367	16	33.6	57.73	16	33.6	G0 M	14	13849	E -2415655
76		9.1R	50 15.267	0.0007	17	-27 56 19.65	-0.002	17	0.31	15.255	16	33.6	19.57	16	33.6	A2 J	13B	13052	J -2816250
77		7.8R	50 20.966	0.0029	15	-27 4 25.63	0.006	15	0.29	20.918	16	33.6	25.74	16	33.6	K0 J	13B	13054	J -2714356
78		9.1R	50 28.740	0.0027	17	-29 24 52.07	0.014	17	0.31	28.696	16	33.6	52.30	16	33.6		13B	13055	J -2916604
79		8.9R	50 32.061	0.0043	18	-23 31 21.60	0.007	18	0.34	31.990	16	33.6	21.72	16	33.6	A2 J	14	13850	E -2315820
80		9.0A	50 40.579	0.0005	18	-21 5 31.40	-0.001	13	0.30	40.570	16	33.6	31.38	16	33.6	K7 J	13A	8526	A -21 5561
81		9.2R	50 42.616	-0.0014	15	-23 22 45.40	-0.017	15	0.29	42.640	16	33.6	45.13	16	33.6	K0 M	14	13851	E -2315825
82		9.1A	50 47.535	0.0074	20	-20 29 49.79	-0.157	15	0.33	47.414	16	33.6	47.22	16	33.6	G0 J	13A	8527	A -20 5752
83		9.3R	50 48.971	0.0019	18	-25 43 46.64	0.001	18	0.34	48.940	16	33.6	46.66	16	33.6	F5 J	14	13853	E -2514412
84		8.8R	50 56.309	0.0026	12	-27 37 18.50	-0.051	12	0.25	56.267	16	33.6	17.67	16	33.6	G5 J	13B	13059	J -2714363
85		9.3R	50 58.887	0.0002	17	-27 58 57.48	0.059	17	0.31	58.884	16	33.6	58.45	16	33.6		13B	13060	J -2816254
86		9.1R	51 3.523	0.0005	18	-22 36 22.75	-0.002	18	0.34	3.515	16	33.6	22.67	16	33.6	A3 J	14	13856	E -2214332
87		9.4R	51 4.359	-0.0009	18	-24 37 43.70	-0.020	18	0.34	4.373	16	33.6	43.38	16	33.6	G5 M	14	13855	E -2415665
88		7.5R	51 6.783	0.0010	18	-26 49 37.84	-0.019	18	0.34	6.767	16	33.6	37.54	16	33.6	G5 J	14	13854	E -2714366
89		8.1R	51 9.986	0.0003	18	-24 38 23.76	-0.006	18	0.34	9.982	16	33.6	23.66	16	33.6	K2 J	14	13858	E -2415666
90		8.9R	51 10.404	0.0026	12	-25 24 55.20	0.025	12	0.25	10.362	16	33.6	55.61	16	33.6	K2 J	14	13857	E -2514419
91		9.3A	51 11.059	0.0036	20	-21 29 9.15	-0.059	15	0.33	11.000	16	33.6	8.18	16	33.6	G0 J	13A	8528	A -21 5564
92		6.3T	51 18.168	-0.0097	04	-24 4 1.24	-0.412	04	0.18	18.548	05	10.7	-44.59	06	09.6	K0	GC	27542K	C*-2415668
93		8.5R	51 21.570	0.0042	18	-26 42 25.27	0.013	18	0.34	21.502	16	33.6	25.49	16	33.6	G5 J	14	13859	E -2614613
94		9.0R	51 25.696	0.0035	12	-28 28 15.94	0.043	12	0.25	25.638	16	33.6	16.65	16	33.6	A3 J	13B	13064	J -2816258
95		9.1R	51 26.914	-0.0006	18	-27 29 8.04	-0.037	18	0.34	26.924	16	33.6	7.44	16	33.6	F0 J	13B	13065	J -2714368
96		9.1R	51 32.085	-0.0026	18	-25 40 2.30	-0.026	18	0.34	32.128	16	33.6	1.88	16	33.6	K0 J	14	13861	E -2514421
97		9.2R	51 36.570	-0.0023	18	-21 52 22.90	0.022	18	0.34	36.609	16	33.6	23.26	16	33.6	A3 J	14	13864	E -2214342
98		9.0R	51 36.677	-0.0019	18	-24 23 2.04	-0.087	18	0.34	36.708	16	33.6	0.61	16	33.6	G5 M	14	13863	E -2415670
99		9.1A	51 50.167	0.0041	20	-20 13 29.24	-0.019	15	0.33	50.100	16	33.6	28.93	16	33.6	G5 J	13A	8534	A -20 5756
00		9.0R	51 53.976	0.0021	12	-29 43 19.44	0.005	12	0.25	53.941	16	33.6	19.53	16	33.6	F2 J	13B	13066	J -2916623

188700

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	SOURCE DM NUMBER
1		9.6R	19 51 54.394	-0.0004	18	-23 12 20.82	0.003	18	0.34	54.491	16	33.6	20.87	16	33.6	FO M	14	13865	E -2315847
2		8.6R	51 55.676	-0.0010	17	-29 31 53.00	0.015	17	0.31	55.693	16	33.6	53.24	16	33.6	K5 J	13B	13067	J -2916625
3		8.9R	51 57.093	-0.0072	18	-24 40 27.76	-0.096	18	0.34	57.211	16	33.6	26.19	16	33.6	G5 J	14	13866	E -2415676
4		8.9R	51 57.542	0.0019	12	-28 33 56.44	-0.026	12	0.25	57.511	16	33.6	56.01	16	33.6	G0 J	13B	13068	J -2816262
5		9.1R	51 57.674	0.0027	18	-23 59 39.54	-0.048	18	0.34	57.630	16	33.6	38.75	16	33.6	F8 J	14	13867	E -2415677
6		8.5R	52 3.456	0.0016	12	-27 14 28.75	-0.044	12	0.25	3.430	16	33.6	28.03	16	33.6	K0 J	13B	13070	J -2714376
7		9.0R	52 3.922	-0.0002	15	-26 7 40.01	0.000	15	0.29	3.926	16	33.6	40.02	16	33.6	A5 J	14	13868	E -2614623
8		9.4R	52 6.673	0.0009	18	-24 32 17.88	-0.001	18	0.34	6.658	16	33.6	17.86	16	33.6	K2 M	14	13870	E -2415678
9		9.2R	52 6.981	0.0056	12	-28 11 27.55	0.008	12	0.25	6.888	16	33.6	27.69	16	33.6		13B	13071	J -2816265
10		8.8R	52 7.570	0.0007	18	-25 56 24.75	-0.002	18	0.34	7.559	16	33.6	24.71	16	33.6	A2 J	14	13869	E -2614625
11		9.0R	52 9.123	0.0031	12	-29 6 31.99	0.008	12	0.25	9.073	16	33.6	32.12	16	33.6		13B	13072	J -2916629
12		9.3R	52 10.516	0.0025	18	-25 39 3.70	0.040	18	0.34	10.475	16	33.6	4.36	16	33.6	G5 J	14	13871	E -2514430
13		8.0R	52 10.822	0.0018	18	-24 2 24.56	-0.022	18	0.34	10.793	16	33.6	24.20	16	33.6	K2 J	14	13872	E -2415679
14		9.4R	52 16.850	-0.0013	18	-22 15 40.86	-0.025	18	0.34	16.872	16	33.6	40.44	16	33.6	G5 M	14	13874	E -2214351
15		9.4R	52 18.388	0.0024	18	-24 6 10.64	0.004	18	0.34	18.348	16	33.6	10.71	16	33.6	A0 J	14	13873	E -2415680
16		8.5T	52 23.680	-0.0015	20	-29 13 45.95	-0.008	20	0.36	23.755	18	01.8	45.58	19	02.5	G0	GC	27573	C -2916636
17		9.4R	52 23.832	-0.0002	21	-26 57 12.92	-0.020	21	0.38	23.835	16	33.6	12.60	16	33.6		13B	13077	J -2714386
18		9.3R	52 30.573	-0.0003	17	-28 24 43.47	-0.010	17	0.31	30.579	16	33.6	43.31	16	33.6		13B	13079	J -2816269
19		9.0R	52 33.986	0.0015	18	-23 50 33.04	0.018	18	0.34	33.961	16	33.6	33.33	16	33.6	K0 J	14	13875	E -2415683
20		8.9A	52 34.671	-0.0001	20	-21 38 25.45	-0.069	15	0.33	34.672	16	33.6	24.31	16	33.6	G5 J	13A	8538	A -21 5574
21		8.3R	52 37.909	0.0017	20	-29 20 32.69	-0.053	20	0.36	37.881	16	33.6	31.82	16	33.6	A2 J	13B	13081	J -2916642
22		4.8T	52 46.744	0.0155	03	-26 26 1.47	0.083	03	0.19	45.942	07	98.2	5.96	07	96.2	G5	GC	27583	C*-2614637
23		9.0R	52 48.819	-0.0035	18	-26 13 48.95	0.005	18	0.34	48.876	16	33.6	49.04	16	33.6	G0 M	14	13878	E -2614638
24		7.6R	52 49.059	-0.0015	18	-26 41 0.65	0.040	18	0.34	49.085	16	33.6	1.31	16	33.6	F5 J	14	13877	E -2614639
25		9.2R	52 55.937	-0.0006	18	-22 6 6.97	0.005	18	0.34	55.947	16	33.6	7.05	16	33.6	K0 J	14	13879	E -2214363
26		9.0A	53 5.365	0.0008	20	-20 37 31.54	-0.012	15	0.33	5.351	16	33.6	31.34	16	33.6	A0 J	13A	8541	A -20 5765
27		8.9R	53 5.746	0.0003	12	-28 10 24.97	-0.006	12	0.25	5.740	16	33.6	24.87	16	33.6		13B	13089	J -2816278
28		9.4R	53 7.710	0.0025	18	-25 27 11.99	0.049	18	0.34	7.669	16	33.6	12.80	16	33.6	G5 M	14	13880	E -2514441
29		9.2R	53 8.310	-0.0026	12	-28 40 48.67	0.001	12	0.25	8.354	16	33.6	48.69	16	33.6		13B	13090	J -2816279
30		9.1R	53 10.578	-0.0011	18	-25 21 33.92	0.016	18	0.34	10.597	16	33.6	34.19	16	33.6	G5 J	14	13881	E -2514442
31		8.7R	53 14.874	-0.0001	15	-26 50 17.84	-0.007	15	0.29	14.876	16	33.6	17.73	16	33.6	G5 M	14	13882	E -2714392
32		8.7R	53 31.205	0.0024	18	-27 45 21.39	-0.003	18	0.34	31.166	16	33.6	21.35	16	33.6	A2 J	13B	13093	J -2714395
33		9.4R	53 32.814	-0.0003	18	-23 22 5.76	0.000	18	0.34	32.819	16	33.6	5.76	16	33.6	F2 M	14	13883	E -2315867
34		9.4R	53 33.294	-0.0025	18	-23 16 59.50	-0.040	18	0.34	33.334	16	33.6	58.85	16	33.6	K0 M	14	13884	E -2315866
35		9.2R	53 39.147	-0.0010	12	-25 26 4.67	0.026	12	0.25	39.163	16	33.6	5.10	16	33.6	G5 J	14	13885	E -2514449
36		8.5R	53 40.721	0.0009	18	-22 50 52.09	-0.009	18	0.34	40.705	16	33.6	51.95	16	33.6	K0 J	14	13886	E -2315870
37		7.6T	53 41.261	-0.0000	09	-23 11 59.30	-0.047	07	0.44	41.263	10	01.0	56.87	10	97.8	A2	GC	27599	C*-2315872
38		8.9R	53 43.271	-0.0010	15	-22 30 10.19	-0.008	15	0.29	43.287	16	33.6	10.06	16	33.6	G5 J	14	13888	E -2214369
39		9.3R	53 44.757	-0.0003	15	-22 8 20.69	0.018	15	0.29	44.763	16	33.6	20.98	16	33.6	A3 J	14	13889	E -2214370
40		9.1A	53 46.954	-0.0009	20	-20 36 41.07	-0.007	15	0.33	46.968	16	33.6	40.95	16	33.6	F0 J	13A	8543	A -20 5768
41		9.3R	53 52.369	0.0075	18	-23 8 57.75	-0.129	18	0.34	52.245	16	33.6	55.64	16	33.6	K0 M	14	13890	E -2315878
42		4.6T	53 52.875	0.0007	03	-27 18 14.61	-0.012	03	0.18	52.839	07	98.5	13.99	07	97.2	K2	GC	27605	C*-2714399
43		9.5R	53 58.553	-0.0002	18	-23 31 34.40	-0.020	18	0.34	58.556	16	33.6	34.07	16	33.6	G0 M	14	13891	E -2315879
44		8.3R	54 1.646	0.0021	15	-24 28 15.47	-0.063	15	0.29	1.611	16	33.6	14.44	16	33.6	F0 J	14	13892	E -2415699
45		9.1A	54 4.082	0.0024	20	-20 42 59.25	-0.014	15	0.33	4.042	16	33.6	59.02	16	33.6	K0 J	13A	8547	A -20 5770
46		8.4R	54 5.289	0.0084	15	-25 13 24.25	0.007	15	0.29	5.151	16	33.6	24.37	16	33.6	F8 J	14	13893	E -2514457
47		9.0R	54 8.386	0.0037	12	-29 34 25.46	-0.023	12	0.25	8.326	16	33.6	25.09	16	33.6	A2 J	13B	13102	J -2916669
48		9.3R	54 9.816	-0.0003	18	-23 48 39.58	-0.024	18	0.34	9.821	16	33.6	39.19	16	33.6	G0 M	14	13895	E -2315880
49		8.0R	54 12.727	-0.0025	18	-26 21 9.69	0.061	18	0.34	12.769	16	33.6	10.68	16	33.6	F5 J	14	13894	E -2614657
50		9.0R	54 13.120	0.0019	12	-26 52 11.43	-0.045	12	0.25	13.090	16	33.6	10.70	16	33.6	K0 M	13B	13104	J -2714405
51		8.4R	19 54 16.636	-0.0004	20	-25 11 27.63	0.042	20	0.36	16.642	16	33.6	28.32	16	33.6	F5 J	14	13896	E -2514461
52		9.0R	54 20.270	-0.0004	18	-24 56 30.20	-0.041	18	0.34	20.277	16	33.6	29.53	16	33.6	A5 J	14	13897	E -2514463
53		8.5R	54 27.270	0.0071	15	-25 18 42.10	-0.016	15	0.29	27.154	16	33.6	42.37	16	33.6	G0 J	14	13898	E -2514465
54		9.3R	54 30.616	0.0038	20	-27 39 7.22	-0.031	20	0.36	30.554	16	33.6	6.71	16	33.6		13B	13105	J -2714410
55		8.6R	54 34.091	-0.0040	12	-29 13 7.02	-0.050	12	0.25	34.157	16	33.6	6.20	16	33.6	F8 J	13B	13107	J -2916679
56		8.9R	54 42.765	-0.0012	18	-23 4 12.17	0.025	18	0.34	42.785	16	33.6	12.59	16	33.6	F0 J	14	13899	E -2315885
57		9.2A	54 44.645	0.0004	20	-20 2 5.86	-0.028	15	0.33	44.639	16	33.6	5.40	16	33.6	K5 J	13A	8552	A -20 5773
58		8.7R	54 49.431	0.0010	17	-28 27 40.18	-0.061	17	0.31	49.415	16	33.6	39.18	16	33.6	G5 J	13B	13112	J -2816297
59		9.4R	54 52.164	0.0008	20	-29 39 59.41	-0.043	20	0.36	52.150	16	33.6	58.70	16	33.6		13B	13113	J -2916684
60		9.8R	54 53.936	0.0014	21	-29 51 13.27	-0.023	21	0.38	53.912	16	33.6	12.90	16	33.6		13B	13114	J -3017511
61		8.3R	54 54.140	0.0009	12	-28 43 41.72	0.000	12	0.25	54.125	16	33.6	41.72	16	33.6	A3 J	13B	13115	J -2816298
62		9.3R	54 56.239	-0.0009	17	-28 17 25.13	0.073	17	0.31	56.254	16	33.6	26.33	16	33.6		13B	13116	J -2816299
63		8.5R	54 58.529	0.0011	18	-24 34 9.64	0.006	18	0.34	58.511	16	33.6	9.75	16	33.6	K0 J	14	13901	E -2415712
64		8.5R	55 1.520	-0.0006	15	-26 27 46.60	-0.044	15	0.29	1.530	16	33.6	45.87	16	33.6	A0 J	14	13902	E -2614668
65		9.5R	55 7.182	0.0026	18	-27 22 50.23	-0.004	18	0.34	7.149	16	33.6	50.17	16	33.6	G0 J	13B	13117	J -2714418
66		9.4R	55 17.174	0.0026	18	-22 28 18.79	0.027	18	0.34	17.132	16	33.6	19.23	16	33.6	A5 M	14	13904	E -2214381
67		9.3R	55 18.204	0.0017	15	-25 5 44.24	0.008	15	0.29	18.177	16	33.6	44.38	16	33.6	K0 J	14	13903	E -2514473
68		9.1R	55 22.603	0.0030	12	-28 30 34.48	-0.011	12	0.25	22.555	16	33.6	34.30	16	33.6	K5 M	13B	13122	J -2816305
69		8.3R	55 23.345	-0.0007	18	-23 27 57.59	-0.018	18	0.34	23.356	16	33.6	57.30	16	33.6	B9 J	14	13905	E -2315894
70		9.1R	55 27.822	0.0099	18	-22 43 40.77	-0.024	18	0.34	27.659	16	33.6	40.38	16	33.6	G5 J	14	13906	E -2214382
71		8.8R	55 31.981	-0.0025	17	-27 52 6.62	-0.065	17	0.31	32.022	16	33.6	5.56	16	33.6	G5 J	13B	13125	J -2816308
72		8.1R	55 36.150	0.0005	15	-22 23 15.65	-0.023	15	0.29	36.141	16	33.6	15.27	16	33.6	K0 J	14	13907	E -2214383
73		8.9R	55 38.830	-0.0017	20	-23 48 40.34	-0.014	20	0.36	38.858	16	33.6	40.11	16	33.6	G5 J	14	13908	E -2415716
74		9.1R	55 42.638	-0.0018	18	-22 45 15.62	-0.025	18	0.34	42.667	16	33.6	15.22	16	33.6	A2 J	14	13910	E -2214385
75		7.5R	55 43.535	0.0026	20	-28 47 21.43	-0.012	20	0.36	43.493	16	33.6	21.24	16	33.6	K2 J	13B	13126	J -2816309
76		8.8R	55 44.230	0.0006	12	-25 4 37.25	-0.007	12	0.25	44.221	16	33.6	37.14	16	33.6	G5 J	14	13909	E -2514477
77		9.1A	55 44.779	0.0015	20	-20 4 10.61	-0.178	15	0.33	44.754	16	33.6	7.69	16	33.6	K0 J	13A	8557	A -20 5776
78		5.0T	55 54.576	0.0027	03	-26 19 57.29	0.034	03	0.17	54.443	07	00.6	58.97	07	99.7	G5	GC	27658	C*-2614682
79		8.8R	55 56.929	0.0013	15	-26 25 50.11	-0.024	15	0.29	56.908	16	33.6	49.72	16	33.6	A5 J	14	13912	E -2614683
80		8.8R	56 1.944	0.0020	12	-25 13 44.89	0.009	12	0.25	1.912	16	33.6	45.04	16	33.6	K0 J	14	13913	E -2514480
81		8.0R	56 2.122	0.0021	18	-23 28 29.06	-0.026	18	0.34	2.087	16	33.6	28.64	16	33.6	K2 J	14	13914	E -2315904
82		8.8R	56 2.404	0.0023	12	-29 39 16.90	-0.035	12	0.25	2.367	16	33.6	16.33	16	33.6	F5 J	13B	13129	J -2916699
83		9.5R	56 3.665	0.0007	18	-23 43 45.29	-0.017	18	0.34	3.653	16	33.6	45.01	16	33.6	F2 J	14	13915	E -2315905
84		8.9R	56 5.286	0.0032	18	-27 22 59.29	-0.059	18	0.34	5.233	16	33.6	58.33	16	33.6	F8 J	13B	13131	J -2714436
85		9.0A	56 5.351	-0.0016	20	-20 13 15.34	-0.039	15	0.33	5.377	16	33.6	14.70	16	33.6	A0 J	13A	8560	A -20 5777
86		8.7R	56 5.452	-0.0021	18	-22 24 3.16	0.020	18	0.34	5.486	16	33.6	3.48	16	33.6	K5 M	14	13916	E -2214388
87		8.2R	56 6.633	0.0063	12	-28 59 26.66	-0.019	12	0.25	6.531	16	33.6	26.35	16	33.6	F2 J	13B	13130	J -2916701
88		9.3R	56 9.926	0.0020	18	-22 21 36.77	-0.014	18	0.34	9.894	16	33.6	36.54	16	33.6	K0 M	14	13917	E -2214389
89		8.1R	56 14.187	-0.0161	18	-22 3 35.71	-0.059	18	0.34	14.452	16	33.6	34.74	16	33.6	G0 J	14	13918	E -2214390
90	10.8	9.9W	56 14.536	-0.0002	21	-29 57 9.86	-0.009	21	0.43	14.540	22	32.2	9.69	21	32.2	K0 L	C7	10886	C -3017535
91		9.3R	56 15.546	0.0015	12	-29 27 4.88	-0.008	12	0.25	15.521	16	33.6	4.75	16	33.6	F M	13B	13133	J -2916702
92		9.3R	56 28.013	0.0031	12	-29 59 37.80	-0.037	12	0.25	27.963	16	33.6	37.20	16	33.6		13B	13134	J -3017539
93		8.9R	56 28.118	0.0006	12	-27 56 2.82	0.008	12	0.25	28.108	16	33.6	2.96	16	33.6	K M	13B	13135	J -2816319
94		9.2R	56 33.726	0.0018	18	-24 34 47.42	-0.010	18	0.34	33.695	16	33.6	47.26	16	33.6	K2 M	14	13919	E -2415727
95		6.8T	56 36.426	0.0005	05	-22 20 53.92	-0.003	06	0.26	36.402	07	04.1	53.77	07	03.6	A2	GC	27674	-22 5296
96		9.1R	56 47.543	-0.0031	18	-27 3 47.10	-0.049	18	0.34	47.594	16	33.6	46.30	16	33.6	G M	13B	13137	J -2714449
97		9.1A	56 50.771	-0.0006	20	-20 20 50.65	-0.059	15	0.33	50.781	16	33.6	49.68	16	33.6	K0 J	13A	8566	A -20 5781
98		8.7R	56 52.644	-0.0047	18	-25 59 57.60	-0.039	18	0.34	52.721	16	33.6	56.97	16	33.6	F5 J	14	13921	E -2614697
99		9.3R	56 55.983	0.0002	18	-23 51 22.19	-0.024	18	0.34	55.979	16	33.6	22.58	16	33.6	G5 J	14	13922	E -2415733
00		9.9R	57 2.532	0.0012	18	-22 12 39.31	0.005	18	0.34	2.513	16	33.6	39.39	16	33.6	K0 M	14	13923	E -2214402

-20°
19H

188800

EPOCH 1950 — ORIGINAL EPOCH — SOURCE — -20° 19H

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	CAT.	STAR NUMBER	DM NUMBER
1		9.0R	19 57 6.190	0.0011	18	-21 54 25.03	0.012	18	0.34	6.172	16	33.6	25.22	16	33.6	K2 J	14	13925	E -2214406
2		8.9R	57 6.451	-0.0008	12	-28 30 0.01	0.007	12	0.25	6.465	16	33.6	0.13	16	33.6	K0 J	13B	13141	J -2816326
3		9.5R	57 6.964	0.0035	18	-23 22 17.55	-0.005	18	0.34	6.907	16	33.6	17.47	16	33.6	F8 M	14	13924	E -2315918
4		8.9R	57 8.906	0.0005	18	-27 46 29.47	-0.047	18	0.34	8.898	16	33.6	28.70	16	33.6	K0 J	13B	13142	J -2714454
5		8.1R	57 20.663	0.0039	18	-24 5 37.45	-0.018	18	0.34	20.599	16	33.6	37.16	16	33.6	F0 J	14	13927K	E -2415736
6		8.6R	57 22.649	-0.0002	15	-26 2 6.89	-0.012	15	0.29	22.652	16	33.6	6.68	16	33.6	K5 J	14	13926	E -2614705
7		8.9T	57 26.827	0.0007	07	-20 59 41.65	-0.002	06	0.30	26.796	09	05.3	41.54	09	03.8	A2	GC	27700	-21 5588
8		7.0T	57 30.435	0.0001	09	-28 43 27.94	0.009	08	0.51	30.426	17	92.1	28.48	17	91.6	K0	GC	27703	C#-2816332
9		8.2R	57 34.972	0.0016	18	-25 50 27.11	-0.005	18	0.34	34.946	16	33.6	27.02	16	33.6	F5 J	14	13928	E -2614708
10		8.6R	57 36.432	0.0007	18	-26 4 50.75	-0.043	18	0.34	36.420	16	33.6	50.05	16	33.6	K2 J	14	13929	E -2614709
11		9.3R	57 39.121	0.0019	18	-22 58 29.16	-0.017	18	0.34	39.090	16	33.6	29.44	16	33.6	A0 J	14	13930	E -2315925
12		8.6R	57 49.291	0.0014	12	-27 19 11.69	-0.017	12	0.25	49.267	16	33.6	11.42	16	33.6	A5 J	13B	13149	J -2714463
13		9.0R	57 49.736	0.0136	18	-24 19 25.94	-0.030	18	0.34	49.513	16	33.6	26.43	16	33.6	G5 J	14	13931	E -2415741
14		9.0R	57 49.896	0.0021	12	-27 19 16.84	-0.023	12	0.25	49.861	16	33.6	16.47	16	33.6	A5 J	13B	13150	J -2714463
15		7.9T	57 50.195	0.0002	10	-22 46 32.83	-0.027	09	0.54	50.181	18	96.5	31.37	17	95.2	K0	GC	27713	C -23 409
16		9.4R	57 50.220	0.0021	18	-24 44 28.70	0.004	18	0.34	50.186	16	33.6	28.77	16	33.6	A5 M	14	13932	E -2415739
17		7.4R	57 52.440	-0.0008	18	-26 21 44.10	0.022	18	0.34	52.454	16	33.6	44.47	16	33.6	A2 J	14	13933	E -2614712
18		9.0R	57 53.392	0.0011	20	-26 51 40.31	0.022	20	0.36	53.373	16	33.6	40.67	16	33.6	A2 J	14	13934	E -2714464
19		9.1R	58 2.383	0.0034	20	-26 12 14.00	-0.009	20	0.36	2.327	16	33.6	13.86	16	33.6	A0 J	14	13936	E -2614715
20		9.2R	58 8.025	-0.0006	15	-26 44 17.21	0.005	15	0.29	8.035	16	33.6	17.30	16	33.6	K0 M	14	13937	E -2614717
21		9.4R	58 12.098	-0.0020	20	-29 7 17.57	-0.069	20	0.36	12.132	16	33.6	16.44	16	33.6		13B	13151	J -2916724
22		9.2R	58 12.308	0.0006	21	-28 39 3.80	-0.077	21	0.38	12.298	16	33.6	2.54	16	33.6	K M	13B	13152	J -2816339
23		8.6A	58 12.624	0.0046	20	-21 36 8.18	0.012	15	0.33	12.549	16	33.6	8.37	16	33.6	F0 J	13A	8572	A -21 5595
24		9.0R	58 13.635	0.0026	20	-29 5 34.48	-0.059	20	0.36	13.593	16	33.6	33.51	16	33.6		13B	13153	J -2916725
25		9.1A	58 16.466	0.0090	20	-21 41 48.72	-0.153	15	0.33	16.318	16	33.6	46.21	16	33.6	K0 J	13A	8573	A -21 5597
26		9.2R	58 17.124	0.0013	18	-23 20 19.76	0.000	18	0.34	17.102	16	33.6	19.77	16	33.6	G5 M	14	13939	E -2315932
27		9.1R	58 22.712	0.0056	17	-29 42 38.23	-0.037	17	0.31	22.620	16	33.6	37.62	16	33.6	G M	13B	13154	J -2916727
28		9.1R	58 23.021	0.0018	17	-29 10 34.53	-0.006	17	0.31	22.992	16	33.6	34.44	16	33.6	K M	13B	13156	J -2916728
29		6.1T	58 25.724	0.0012	04	-22 52 34.55	-0.008	05	0.23	25.668	07	01.3	34.18	09	01.1	G5	GC	27737	C -2315935
30	9.8	8.7W	58 28.279	0.0011	21	-29 55 40.13	-0.052	21	0.43	28.260	22	32.2	39.19	21	32.2	K5	C7	10909	C -3017569
31		9.0R	58 31.162	-0.0002	15	-24 59 5.63	0.006	15	0.29	31.165	16	33.6	5.73	16	33.6	K2 M	14	13941	E -2214504
32		9.3R	58 31.482	0.0024	17	-29 39 57.26	-0.011	17	0.31	31.443	16	33.6	57.08	16	33.6	A0 J	13B	13158	J -2916729
33		8.2R	58 40.831	-0.0011	18	-22 14 58.72	-0.038	18	0.34	40.850	16	33.6	58.09	16	33.6	F8 J	14	13943	E -2214422
34		9.5R	58 41.068	0.0007	18	-24 32 44.80	0.044	18	0.34	41.056	16	33.6	45.52	16	33.6	K0 M	14	13942	E -2415751
35		9.1R	58 51.472	0.0019	18	-23 15 26.73	-0.053	18	0.34	51.441	16	33.6	25.87	16	33.6	K2 J	14	13944	E -2315939
36		9.2R	58 53.483	-0.0013	18	-22 5 37.62	-0.006	18	0.34	53.504	16	33.6	37.51	16	33.6	G0 M	14	13945	E -2214426
37		9.3R	58 57.938	-0.0024	13	-29 21 44.98	-0.010	13	0.27	57.977	16	33.6	44.82	16	33.6		13B	13161	J -2916733
38		8.0R	59 1.457	0.0022	20	-28 8 11.68	-0.015	20	0.36	1.422	16	33.6	11.44	16	33.6	K0 J	13B	13163	J -2816347
39		8.6R	59 3.444	0.0015	20	-28 20 27.99	-0.008	20	0.36	3.420	16	33.6	27.86	16	33.6	K5 J	13B	13164	J -2816348
40		9.0A	59 17.597	-0.0008	20	-21 13 42.45	-0.022	15	0.33	17.615	16	33.6	42.09	16	33.6	A0 J	13A	8578	A -21 5600
41		9.5R	59 20.112	-0.0016	18	-23 37 12.93	-0.016	18	0.34	20.138	16	33.6	12.67	16	33.6	G0 J	14	13946	E -2315942
42		9.0R	59 22.505	0.0022	20	-29 25 22.81	0.004	20	0.36	22.469	16	33.6	22.88	16	33.6	M3 M	13B	13167	J -2916737
43		9.0R	59 26.241	-0.0008	20	-28 5 16.73	-0.032	17	0.34	26.254	16	33.6	16.21	16	33.6	F8 J	13B	13169	J -2816351
44		4.6H	59 35.183	-0.0029	01	-27 51 1.64	-0.019	01	0.05	35.081	03	14.8	2.31	03	14.4	M3	F4	753	C -2816355
45		9.0R	59 39.159	0.0004	20	-28 31 9.29	-0.028	20	0.36	39.153	16	33.6	8.84	16	33.6	G5 J	13B	13173	J -2816356
46		8.7R	59 39.388	0.0018	20	-28 45 1.52	-0.007	20	0.36	39.359	16	33.6	1.41	16	33.6	A2 J	13B	13172	J -2816357
47		8.6R	59 40.060	0.0017	18	-22 58 27.51	-0.016	18	0.34	40.031	16	33.6	27.26	16	33.6	K5 J	14	13947	E -2315945
48		9.5R	59 51.950	0.0017	18	-24 33 24.96	0.031	18	0.34	51.922	16	33.6	25.47	16	33.6	G5 M	14	13948	E -2415766
49		8.0T	59 58.922	0.0036	11	-26 10 55.91	0.010	09	0.50	58.751	12	02.3	56.38	12	99.9	A0	GC	27771	C -2614743
50		9.3R	20 0 2.238	0.0001	18	-23 22 46.88	0.033	18	0.34	2.236	16	33.6	47.43	16	33.6	F8 J	14	13950K	E -2315953
51		9.0R	20 0 7.585	-0.0020	20	-25 8 45.33	0.023	20	0.36	7.617	16	33.6	45.71	16	33.6	K0 J	14	13951	E -2514515
52		8.5R	0 12.613	-0.0006	20	-26 46 27.44	0.003	20	0.36	12.603	16	33.6	27.49	16	33.6	K0 J	14	13952	E -2614747
53		9.3R	0 14.546	-0.0031	20	-27 10 50.76	-0.011	20	0.36	14.596	16	33.6	50.59	16	33.6	K M	13B	13176	J -2714489
54		9.3R	0 14.816	0.0011	18	-23 47 29.23	-0.001	18	0.34	14.799	16	33.6	29.21	16	33.6	G5 J	14	13953	E -2315954
55		9.2R	0 17.361	-0.0038	20	-25 17 12.24	0.046	20	0.36	17.424	16	33.6	13.00	16	33.6	A3 J	14	13954	E -2514516
56		9.2R	0 21.361	-0.0015	18	-22 24 3.83	0.019	18	0.34	21.386	16	33.6	4.14	16	33.6	G5 M	14	13955	E -2214452
57		9.2R	0 24.633	-0.0011	15	-24 5 18.18	0.003	15	0.29	24.650	16	33.6	18.23	16	33.6	K2 M	14	13956	E -2415774
58		8.2R	0 31.024	0.0006	18	-23 5 49.65	0.029	18	0.34	31.015	16	33.6	50.13	16	33.6	K0 J	14	13958	E -2315955
59		9.2R	0 35.156	-0.0016	20	-24 43 8.77	0.012	20	0.36	35.182	16	33.6	8.97	16	33.6	A5 J	14	13959	E -2415776
60		9.1R	0 37.377	-0.0052	20	-26 3 19.62	-0.010	20	0.36	37.463	16	33.6	19.46	16	33.6	G0 M	14	13960	E -2614751
61		9.5R	0 46.217	0.0006	18	-25 27 8.67	-0.002	18	0.34	46.210	16	33.6	8.64	16	33.6	F0 J	14	13961	E -2514523
62		9.2R	0 46.487	-0.0003	15	-23 42 46.17	-0.025	15	0.29	46.492	16	33.6	45.76	16	33.6	A5 J	14	13962	E -2315960
63		6.5T	0 46.620	-0.0030	03	-22 44 15.08	0.022	04	0.16	46.753	05	06.1	16.08	05	05.1	F5	GC	27801	-22 5318
64		9.5R	0 47.977	-0.0060	22	-24 33 13.63	-0.015	22	0.40	48.075	16	33.6	13.39	16	33.6	G0 M	14	13963	E -2415780
65		9.1R	0 54.301	0.0018	18	-22 35 27.87	-0.048	18	0.34	54.272	16	33.6	27.09	16	33.6	G5 M	14	13966	E -2214456
66		9.4R	0 55.082	0.0004	18	-24 34 16.44	-0.015	18	0.34	55.075	16	33.6	16.19	16	33.6	F8 M	14	13965	E -2415781
67		8.9R	0 56.497	0.0013	17	-28 46 14.64	-0.001	17	0.31	56.476	16	33.6	14.63	16	33.6	F8 J	13B	13182	J -2816375
68		8.6R	1 2.557	0.0004	18	-24 29 40.49	0.002	18	0.34	2.550	16	33.6	40.52	16	33.6	K5 J	14	13967	E -2415785
69		8.5R	1 3.532	-0.0090	18	-23 22 2.16	-0.006	18	0.34	3.680	16	33.6	2.07	16	33.6	F8 J	14	13968	E -2315963
70		8.6R	1 4.074	-0.0005	17	-28 9 38.87	-0.007	17	0.31	4.082	16	33.6	38.76	16	33.6	G5 J	13B	13183	J -2816377
71		9.2R	1 7.916	-0.0000	15	-22 6 57.60	0.003	15	0.29	7.916	16	33.6	57.64	16	33.6	A0 J	14	13969	E -2214458
72		8.8R	1 8.730	0.0087	17	-29 36 25.63	-0.039	17	0.31	8.588	16	33.6	25.00	16	33.6	F5 J	13B	13186	J -2916765
73		8.1T	1 15.663	0.0031	15	-26 28 14.60	-0.078	13	0.73	15.510	19	00.5	10.62	19	99.4	G0	GC	27813	C -2614754
74		9.2R	1 16.688	-0.0020	18	-21 56 40.53	0.005	18	0.34	16.721	16	33.6	40.61	16	33.6	A3 M	14	13971	E -2214459
75		7.4T	1 21.532	0.0001	12	-27 53 19.94	-0.033	11	0.65	21.525	18	97.9	18.18	18	96.1	K2	GC	27815	C -2816379
76		9.0R	1 27.113	0.0016	20	-28 59 45.23	-0.005	20	0.36	27.087	16	33.6	45.32	16	33.6	K0 J	13B	13189	J -2916768
77		8.5R	1 27.776	0.0023	15	-24 7 28.53	-0.013	15	0.29	27.738	16	33.6	28.32	16	33.6	F5 J	14	13972	E -2415788
78		8.0R	1 29.089	-0.0000	18	-22 19 55.90	-0.060	18	0.34	29.089	16	33.6	54.91	16	33.6	F2 J	14	13975	E -2214461
79	10.2	9.3W	1 29.964	-0.0004	21	-29 54 18.31	0.016	21	0.44	29.970	22	31.7	18.59	21	31.7	K5	C7	10934	C -3017617
80		9.5R	1 30.835	-0.0023	18	-26 35 16.21	0.001	18	0.34	30.874	16	33.6	16.23	16	33.6	F8 M	14	13973	E -2614759
81		9.8R	1 30.911	0.0003	22	-24 6 17.70	0.009	22	0.40	30.905	16	33.6	17.85	16	33.6	G5 M	14	13974	E -2415789
82		9.3R	1 34.562	0.0012	15	-22 17 18.73	0.008	15	0.29	34.542	16	33.6	18.86	16	33.6	K7 J	14	13976	E -2214464
83		9.3R	1 39.875	-0.0009	18	-22 55 5.94	-0.071	18	0.34	39.890	16	33.6	4.78	16	33.6	G5 J	14	13977	E -2315969
84		8.8R	1 44.780	0.0026	20	-28 25 0.88	0.061	20	0.36	44.737	16	33.6	1.89	16	33.6	G0 J	13B	13192	J -2816387
85		9.2R	1 46.921	-0.0045	20	-28 48 46.98	-0.016	20	0.36	46.995	16	33.6	46.72	16	33.6	G M	13B	13193	J -2916775
86		8.8A	1 50.556	0.0001	20	-20 40 36.95	-0.024	15	0.33	50.554	16	33.6	36.55	16	33.6	F0 J	13A	8594	A -20 5803
87		9.0R	1 55.511	0.0029	18	-22 3 22.16	-0.004	18	0.34	55.464	16	33.6	22.09	16	33.6	G0 J	14	13978	E -2214468
88		9.2A	2 0.452	0.0002	20	-21 13 30.55	-0.048	15	0.33	0.449	16	33.6	29.76	16	33.6	F8 J	13A	8596	A -21 5608
89		7.1T	2 1.628	0.0034	04	-21 27 23.31	-0.030	04	0.20	1.477	06	05.4	21.95	06	05.2	G5	GC	27840	-21 5609
90		9.3R	2 3.065	-0.0002	15	-27 25 54.38	0.020	15	0.29	3.068	16	33.6	54.71	16	33.6	G M	13B	13195	J -2714513
91		9.3R	2 6.756	0.0000	12	-22 51 37.07	-0.002	12	0.25	6.755	16	33.6	37.04	16	33.6	A0 J	14	13979	E -2315973
92		7.1T	2 9.090	0.0006	06	-26 57 21.89	0.003	05	0.26	9.063	07	05.3	22.04	07	04.4	A0	GC	27842	C -2714515
93		8.5R	2 13.358	-0.0001	15	-25 12 4.50	0.017	15	0.29	13.360	16	33.6	4.78	16	33.6	K2 J	14	13980	E -2514541
94		7.6T	2 13.519	0.0030	13	-27 57 17.71	0.014	13	0.70	13.365	21	99.3	18.44	21	99.0	K0	GC	27846	C -2816391
95		7.2T	2 13.661	0.0040	10	-29 13 16.70	-0.118	08	0.53	13.446	15	97.0	10.00	17	93.1	F5	GC	27847	C -2916780
96		8.9R	2 24.497	0.0026	15	-22 46 31.89	0.009	15	0.29	24.453	16	33.6	32.04	16	33.6	A5 J	14	13981	E -2214472
97		9.2R	2 28.464	0.0035	17	-28 14 51.37	0.065	17	0.31	28.406	16	33.6	52.44	16	33.6		13B	13199	J -2816392
98		9.4R	2 40.418	-0.0012	15	-22 44 7.36	0.051	15	0.29	40.437	16	33.6	8.20	16	33.6	G0 M	14	13982	E -2214474
99		9.4R	2 40.566	-0.0004	18	-22 35 18.74	0.020	18	0.34	40.572	16	33.6	19.07	16	33.6	F8 M	14	13983	E -2214475
00		9.2R	2 41.676	0.0023	12	-28 51 45.84	-0.018	12	0.25	41.639	16	33.6	45.55	16	33.6		13B	13201	J -2916785

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NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	EPOCH 1950 μ s	σ_μ ″.001	EPOCH 1950 δ_{1950} ° ′ ″	EPOCH 1950 μ' ″	σ'_μ ″.001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	DM NUMBER
1		9.5R	20 2 45.715	-0.0027	20	-26 21 26.90	-0.019	20	0.36	45.760	16	33.6	26.59	16	33.6	F8 M	14	13964	E -2614771
2		9.2R	2 47.444	0.0030	20	-29 21 9.45	-0.013	20	0.36	47.396	16	33.6	9.24	16	33.6	K M	13B	13203	J -2916788
3		9.0R	2 49.850	-0.0020	20	-28 47 51.59	-0.042	20	0.36	49.883	16	33.6	50.90	16	33.6	K5 M	13B	13204	J -2916789
4		9.4R	2 53.829	0.0003	12	-25 23 19.87	-0.017	12	0.25	53.824	16	33.6	19.60	16	33.6	A0 J	14	13985	E -2514549
5		9.0A	2 54.955	-0.0009	20	-20 40 50.91	-0.034	15	0.33	54.970	16	33.6	50.35	16	33.6	K2 J	13A	8603	A -20 5808
6		9.6R	2 56.027	0.0044	15	-24 24 38.55	-0.014	15	0.29	55.955	16	33.6	38.32	16	33.6	F8 M	14	13986	E -2415799
7		9.3R	2 57.554	0.0033	20	-29 24 57.62	0.024	20	0.36	57.499	16	33.6	58.02	16	33.6		13B	13207	J -2916790
8		8.9R	3 2.567	0.0033	12	-27 54 48.58	0.017	12	0.25	2.513	16	33.6	48.86	16	33.6	K5 M	13B	13208	J -2816402
9		9.1R	3 4.723	0.0021	18	-27 34 13.89	-0.041	18	0.34	4.688	16	33.6	13.22	16	33.6	K M	13B	13210	J -2714524
10		8.7R	3 6.719	-0.0027	18	-26 37 19.66	-0.021	18	0.34	8.763	16	33.6	19.32	16	33.6	K2 J	14	13987	E -2614782
11		8.4A	3 11.813	-0.0007	20	-21 8 39.97	-0.028	15	0.33	11.824	16	33.6	39.51	16	33.6	K0 J	13A	8604	A -21 5614
12		8.4R	3 12.411	0.0005	12	-29 17 21.89	-0.039	12	0.25	12.403	16	33.6	21.25	16	33.6	F2 J	13B	13211	J -2916793
13		9.0R	3 26.724	0.0002	12	-26 48 15.68	-0.023	12	0.25	26.720	16	33.6	15.31	16	33.6	K5 M	14	13988	E -2714527
14		8.5A	3 33.618	0.0008	20	-20 17 11.83	-0.030	15	0.33	33.606	16	33.6	11.34	16	33.6	K5 J	13A	8607	A -20 5814
15		8.0R	3 34.927	0.0045	20	-28 30 56.81	-0.001	20	0.36	34.854	16	33.6	56.80	16	33.6	F2 J	13B	13214K	J -2816408
16		8.4R	3 35.142	0.0019	15	-25 43 15.70	0.002	15	0.29	35.111	16	33.6	15.74	16	33.6	K5 J	14	13989	E -2514553
17		7.8T	3 36.784	-0.0137	09	-21 49 12.21	-0.091	07	0.42	37.401	14	04.9	7.68	14	00.3	G0	GC	27883	-22 5335
18	9.9	9.2W	3 38.345	0.0035	21	-29 56 45.83	0.031	21	0.44	38.280	22	31.7	46.39	21	31.7	K0	C7	10950	C -3017652
19		8.9A	3 39.237	-0.0012	18	-21 2 53.91	0.033	13	0.30	39.256	16	33.6	54.45	16	33.6	K2 J	13A	8609	A -21 5617
20		7.6R	3 44.391	-0.0017	18	-26 34 46.20	0.011	18	0.34	44.419	16	33.6	46.39	16	33.6	K2 J	14	13991	E -2614789
21		9.4R	3 46.355	0.0025	18	-23 44 48.42	0.002	18	0.34	46.313	16	33.6	48.45	16	33.6		14	13992	E -2315992
22		7.5R	3 48.427	0.0035	12	-29 33 35.64	-0.074	12	0.25	48.370	16	33.6	34.43	16	33.6	K0 J	13B	13218	J -2916802
23		7.8R	3 51.926	0.0026	18	-27 22 9.21	-0.063	18	0.34	51.884	16	33.6	8.18	16	33.6	M8 M	13B	13220	J -2714534
24		9.1A	3 53.856	0.0014	20	-20 42 17.20	0.025	15	0.33	53.882	16	33.6	17.61	16	33.6	F5 J	13A	8612K	A -20 5816
25		9.5R	4 2.608	0.0008	12	-25 17 47.16	-0.009	12	0.25	2.594	16	33.6	47.02	16	33.6	A5 M	14	13993	E -2514558
26		8.9R	4 6.616	0.0013	15	-24 55 7.57	0.008	15	0.29	6.595	16	33.6	7.71	16	33.6	F2 J	14	13994	E -2514560
27		6.7T	4 17.394	0.0001	09	-29 51 59.11	0.037	08	0.53	17.389	18	93.8	+ 1.28	17	91.3	K0	GC	27900K	C+-3017664
28		8.7A	4 30.698	0.0004	20	-21 34 56.84	-0.002	15	0.33	30.693	16	33.6	56.80	16	33.6	F8 J	13A	8615	A -21 5619
29		9.6R	4 34.472	-0.0006	15	-22 6 41.79	-0.032	15	0.29	34.481	16	33.6	41.26	16	33.6	G0 M	14	13996	E -2214495
30		9.3R	4 39.294	0.0022	18	-23 37 42.65	-0.023	18	0.34	39.259	16	33.6	42.27	16	33.6	G0 J	14	13997	E -2315998
31		9.4R	4 40.437	0.0036	18	-23 32 53.36	-0.012	18	0.34	40.378	16	33.6	53.16	16	33.6	F8 J	14	13998	E -2316000
32		7.8R	4 41.202	0.0011	18	-24 1 40.79	-0.028	18	0.34	41.185	16	33.6	40.33	16	33.6	K5 J	14	14000	E -2415814
33		9.1R	4 42.600	0.0008	12	-28 55 7.58	-0.018	12	0.25	42.456	16	33.6	7.29	16	33.6	G5 J	13B	13231	J -2916810
34		8.0A	4 43.696	0.0046	20	-20 58 42.44	-0.020	15	0.33	43.619	16	33.6	42.11	16	33.6	G0 J	13A	8617	A -21 5621
35		9.1R	4 44.126	0.0001	18	-26 32 3.36	-0.039	18	0.34	44.125	16	33.6	2.73	16	33.6	G5 M	14	13999	E -2614801
36		9.5R	4 45.470	0.0020	18	-23 45 8.94	-0.019	18	0.34	45.437	16	33.6	8.63	16	33.6	K0 M	14	14001	E -2316003
37		9.0A	4 50.223	-0.0004	20	-20 0 39.76	-0.031	15	0.33	50.229	16	33.6	39.25	16	33.6	K0 J	13A	8618	A -20 5819
38		9.2R	4 53.488	0.0008	20	-27 56 13.20	0.008	20	0.36	53.475	16	33.6	13.34	16	33.6	K5 M	13B	13234	J -2816429
39		9.4R	5 1.050	0.0009	12	-27 41 21.96	-0.027	12	0.25	1.035	16	33.6	21.52	16	33.6		13B	13236	J -2714559
40		9.4R	5 5.534	-0.0032	18	-24 15 58.56	-0.010	18	0.34	5.586	16	33.6	58.39	16	33.6	K0 M	14	14002	E -2415822
41		9.4R	5 6.872	-0.0028	18	-27 13 40.81	0.025	17	0.31	6.919	16	33.6	41.22	16	33.6	F M	13B	13238	J -2916814
42		8.8R	5 20.510	0.0089	12	-29 2 37.51	-0.088	12	0.25	20.364	16	33.6	36.07	16	33.6	G5 J	13B	13240	J -2916820
43		9.0R	5 21.223	0.0007	18	-24 44 7.34	0.001	18	0.34	21.212	16	33.6	7.36	16	33.6	F5 J	14	14003	E -2415824
44		8.1R	5 22.437	-0.0023	18	-27 9 8.63	0.015	18	0.34	22.475	16	33.6	8.88	16	33.6	K0 J	13B	13242	J -2714566
45		9.5R	5 24.923	0.0033	15	-25 38 54.39	0.010	00	0.23	24.869	16	33.6	54.54	16	33.6	G0 M	14	14004	E+-2514568
46		8.5R	5 26.677	0.0009	18	-24 11 44.92	0.008	18	0.34	26.662	16	33.6	45.05	16	33.6	G5 J	14	14005	E -2415825
47		8.8R	5 30.839	0.0010	12	-24 50 36.37	-0.024	12	0.25	30.822	16	33.6	35.98	16	33.6	G5 J	14	14006	E -2514572
48		7.5T	5 37.464	-0.0028	12	-23 44 9.00	-0.116	10	0.59	37.607	18	98.6	2.86	19	97.1	F8	GC	27934	C -2316012
49		8.9A	5 43.767	0.0002	20	-21 7 54.64	-0.063	15	0.33	43.763	16	33.6	53.60	16	33.6	F5 J	13A	8624	A -21 5625
50		9.3R	5 48.371	0.0016	18	-23 21 15.28	-0.033	15	0.31	48.344	16	33.6	14.75	16	33.6	K M	14	14009	E -2316015
51		8.5R	20 5 50.116	0.0016	18	-26 4 43.27	-0.063	18	0.34	50.090	16	33.6	42.24	16	33.6	G5 J	14	14008	E -2614815
52		8.8R	5 52.072	0.0049	15	-22 50 25.32	-0.026	15	0.29	51.992	16	33.6	24.90	16	33.6	F5 J	14	14010	E -2316016
53		9.2R	5 58.372	0.0024	20	-29 20 40.01	-0.023	20	0.36	58.333	16	33.6	39.63	16	33.6	G M	13B	13247	J -2916829
54		8.3R	6 0.942	0.0007	17	-28 5 49.95	0.052	17	0.31	0.930	16	33.6	50.81	16	33.6	K0 J	13B	13248	J -2816442
55		7.2T	6 3.309	0.0042	09	-26 22 12.64	-0.061	07	0.49	3.065	15	91.6	8.71	15	85.0	F8	GC	27945	C -2614819
56		9.0R	6 5.015	-0.0003	12	-25 39 24.72	-0.005	12	0.25	5.021	16	33.6	24.65	16	33.6	A2 J	14	14012	E -2514577
57		7.0T	6 13.848	0.0025	11	-28 35 12.31	-0.030	09	0.56	13.714	15	97.6	10.63	18	93.5	G5	GC	27950	C -2816447
58		8.3R	6 16.497	0.0021	12	-28 6 9.67	0.009	12	0.25	16.463	16	33.6	9.82	16	33.6	F0 J	13B	13252	J -2816448
59		9.1R	6 17.220	0.0001	17	-29 10 51.40	0.016	17	0.31	17.218	16	33.6	51.67	16	33.6	G0 M	13B	13251	J -2916833
60		9.3R	6 20.118	0.0041	18	-24 10 10.64	0.011	18	0.34	20.051	16	33.6	10.82	16	33.6	A3 J	14	14013	E -2415837
61		9.1R	6 21.983	-0.0002	15	-23 1 11.40	-0.019	15	0.29	21.987	16	33.6	11.10	16	33.6	A2 J	14	14014	E -2316019
62		8.4R	6 24.961	0.0042	20	-29 39 19.58	-0.038	20	0.36	24.893	16	33.6	18.96	16	33.6	K2 J	13B	13254	J -2916834
63		8.4R	6 29.301	0.0030	17	-27 51 33.41	0.046	17	0.31	29.252	16	33.6	34.17	16	33.6	F8 J	13B	13255	J -2816449
64		9.1R	6 38.055	0.0012	12	-25 40 40.33	0.000	12	0.25	38.035	16	33.6	40.34	16	33.6	F8 J	14	14016	E -2514584
65		7.3T	6 38.255	0.0021	05	-20 44 24.93	-0.073	05	0.25	38.161	09	05.1	21.45	09	02.5	F2	GC	27960	-21 5629
66		9.3R	6 39.141	0.0023	21	-29 11 33.43	-0.048	21	0.38	39.104	16	33.6	32.65	16	33.6	A2 J	13B	13256	J -2916837
67		9.1R	6 46.883	0.0005	15	-27 42 21.84	-0.052	15	0.29	46.875	16	33.6	20.99	16	33.6	K M	13B	13259	J -2714584
68		8.3R	6 46.907	0.0124	21	-29 46 51.40	0.056	21	0.38	46.704	16	33.6	52.32	16	33.6	G0 J	13B	13258	J -2916841
69		9.0R	6 48.137	-0.0001	18	-27 12 33.54	-0.004	18	0.34	48.140	16	33.6	33.47	16	33.6	G0 J	14	14017	E -2214513
70		8.3R	6 49.761	-0.0032	17	-28 25 58.49	0.069	17	0.31	49.814	16	33.6	59.63	16	33.6	K5 J	13B	13260	J -2816453
71		9.0R	6 52.597	-0.0003	15	-25 44 40.56	-0.005	15	0.29	52.602	16	33.6	40.47	16	33.6	M3 M	14	14018	E -2514587
72		8.8A	6 58.628	-0.0029	20	-21 40 11.02	0.008	15	0.33	58.675	16	33.6	11.15	16	33.6	F5 J	13A	8632	A -21 5631
73		8.3R	6 59.096	-0.0016	15	-26 1 15.26	0.032	15	0.29	59.122	16	33.6	15.79	16	33.6	G0 J	14	14019	E -2614827
74		8.5R	7 1.577	0.0009	17	-27 50 40.92	0.034	17	0.31	1.563	16	33.6	41.48	16	33.6	A2 J	13B	13262	J -2816458
75		9.3R	7 2.585	-0.0030	15	-25 5 54.32	-0.003	15	0.29	2.634	16	33.6	54.28	16	33.6	F5 J	14	14020	E -2514588
76		8.4R	7 5.900	-0.0018	15	-25 20 27.35	0.008	15	0.29	5.929	16	33.6	27.49	16	33.6	K2 J	14	14023	E -2514590
77		7.2T	7 6.087	0.0027	07	-25 25 54.91	0.005	06	0.36	5.948	09	97.8	55.19	10	96.0	F0	GC	27968	C -2514589
78	9.0	8.9W	7 9.928	-0.0006	21	-29 57 22.06	-0.036	21	0.44	9.940	22	31.7	21.39	21	31.7	F0	C7	10993	C -3017699
79		9.0A	7 11.240	0.0014	20	-20 32 18.01	-0.024	15	0.33	11.216	16	33.6	17.61	16	33.6	K5 J	13A	8633	A -20 5831
80		9.4R	7 14.766	-0.0002	20	-27 4 19.27	-0.033	15	0.33	14.769	16	33.6	18.73	16	33.6	K0 M	13B	13266	J -2714591
81		9.0A	7 16.389	0.0014	18	-22 22 20.30	-0.036	13	0.30	16.365	16	33.6	19.71	16	33.6	G5 J	13A	8634	A -22 5348
82		9.2R	7 21.485	0.0014	17	-28 8 9.12	0.041	17	0.31	21.462	16	33.6	9.80	16	33.6	G M	13B	13267	J -2816463
83		9.0R	7 23.532	0.0009	15	-27 23 3.39	0.014	15	0.29	23.517	16	33.6	3.63	16	33.6	K5 M	13B	13269	J -2714593
84		8.8A	7 26.177	-0.0313	18	-20 38 12.02	-0.356	13	0.30	26.691	16	33.6	6.17	16	33.6	K5 J	13A	8636	A -20 5833
85		8.2R	7 27.167	-0.0002	12	-25 4 22.78	0.011	12	0.25	27.170	16	33.6	22.96	16	33.6	K0 J	14	14024	E -2514595
86	9.9	9.3W	7 28.889	0.0048	21	-29 54 36.39	0.001	21	0.44	28.800	22	31.7	36.39	21	31.7	K0	C7	10998	C -3017702
87		9.1R	7 33.844	0.0007	17	-28 38 24.16	0.002	17	0.31	33.832	16	33.6	24.20	16	33.6	A M	13B	13271	J -2816464
88		8.9A	7 39.035	0.0013	18	-21 27 45.10	0.009	13	0.30	39.013	16	33.6	45.25	16	33.6	K5 J	13A	8638	A -21 5635
89		8.6R	7 54.301	0.0019	18	-24 10 6.27	0.004	18	0.34	54.270	16	33.6	6.34	16	33.6	K5 J	14	14025	E -2415855
90		8.5A	7 55.769	0.0016	20	-21 27 8.40	0.001	15	0.33	55.742	16	33.6	8.41	16	33.6	K2 J	13A	8639	A -21 5637
91		8.9A	7 56.699	-0.0020	20	-21 10 13.91	0.003	15	0.33	56.731	16	33.6	13.95	16	33.6	F8 J	13A	8640	A -21 5639
92		9.6R	8 2.021	-0.0001	15	-22 0 2.44	-0.016	15	0.29	2.022	16	33.6	2.17	16	33.6	G5 M	14	14027	E -2214535
93		9.0R	8 2.457	-0.0004	15	-26 34 47.61	-0.011	15	0.29	2.413	16	33.6	47.44	16	33.6	K0 J	14	14026	E -2614839
94		9.3R	8 4.425	-0.0009	12	-28 46 53.74	-0.028	12	0.25	4.460	16	33.6	53.29	16	33.6	F M	13B	13273	J -2816471
95		9.6R	8 6.147	0.0072	15	-23 16 39.39	-0.133	15	0.29	6.028	16	33.6	37.21	16	33.6	G0 M	14	14028	E -2316040
96		8.8R	8 16.220	0.0009	12	-28 46 42.56	-0.015	12	0.25	16.206	16	33.6	42.32	16	33.6	G0 J	13B	13278	J -2816474
97		9.4R	8 16.236	0.0017	15	-24 43 2.18	0.001	15	0.29	16.208	16	33.6	2.20	16	33.6	F8 J	14	14030	E -2415861
98		7.3A	8 16.466	0.0015	20	-20 24 51.91	-0.023	15	0.33	16.442	16	33.6	51.54	16	33.6	K0 J	13A	8641	A -20 5836
99		7.3R	8 22.053	0.0004	12	-28 50 37.30	-0.027	12	0.25	22.046	16	33.6	36.86	16	33.6	K0 J	13B	13279	J -2916857
00		8.3R	8 28.260	0.0043	18	-22 6 1.87	0.021	18	0.34	28.190	16	33.6	2.21	16	33.6	F2 J	14	14032	E -2214540

189000

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	EPOCH 1950 μ s	EPOCH 1950 σ_μ ,,.001	EPOCH 1950 δ_{1950} ° ′ ″	EPOCH 1950 μ' ″	EPOCH 1950 σ'_μ ,,.001	EPOCH 1950 σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ ,,.01	ep.	δ_2 ″	σ' ,,.01	ep.	SP.	CAT.	SOURCE STAR NUMBER	-20° 20H DM NUMBER
1		8.1R	20 8 29.421	0.0030	18	-24 22 34.80	-0.071	18	0.34	29.371	16	33.6	33.64	16	33.6	A3 J	14	14031	E -2415864
2		9.0R	8 30.934	0.0063	18	-27 28 39.89	-0.013	18	0.34	30.830	16	33.6	39.68	16	33.6	G0 J	13B	13285	J -2714609
3		8.5A	8 40.727	-0.0011	20	-20 21 58.47	-0.029	15	0.33	40.746	16	33.6	58.00	16	33.6	K5 J	13A	8645	A -20 5839
4		8.7R	8 50.811	0.0039	12	-29 4 42.75	-0.014	12	0.25	50.747	16	33.6	42.52	16	33.6	G5 J	13B	13282	J -2916863
5		8.5A	8 54.175	-0.0009	20	-20 22 51.15	-0.016	15	0.33	54.190	16	33.6	50.89	16	33.6	G5 J	13A	8646	A -20 5844
6		8.9R	9 0.805	-0.0008	15	-26 30 43.86	-0.025	15	0.29	0.818	16	33.6	43.46	16	33.6	G5 J	14	14034	E -2614847
7		8.6R	9 1.396	0.0036	18	-24 25 41.71	-0.005	18	0.34	1.336	16	33.6	41.63	16	33.6	G5 J	14	14035	E -2415871
8		9.1A	9 3.864	0.0005	15	-20 1 3.73	-0.010	11	0.26	3.856	16	33.6	3.57	16	33.6	K2 J	13A	8647	A -20 5847
9		9.4R	9 5.745	0.0002	18	-27 7 21.29	-0.005	18	0.34	5.741	16	33.6	21.21	16	33.6		13B	13285	J -2714620
10		8.0R	9 6.491	0.0002	12	-29 42 11.54	-0.016	12	0.25	6.488	16	33.6	11.27	16	33.6	K2 J	13B	13264	J -2916867
11		9.1A	9 6.613	0.0014	20	-21 27 3.70	-0.006	15	0.33	6.590	16	33.6	3.60	16	33.6	A3 J	13A	8648	A -21 5644
12		9.5R	9 11.008	0.0024	18	-22 45 42.69	0.001	18	0.34	10.969	16	33.6	42.71	16	33.6	G5 M	14	14036	E -2214547
13		8.8R	9 11.469	0.0033	20	-28 50 44.98	-0.008	20	0.36	11.415	16	33.6	44.85	16	33.6	A2 J	13B	13286	J -2916868
14		9.1R	9 21.469	0.0016	15	-23 31 9.44	0.026	15	0.29	21.443	16	33.6	9.86	16	33.6	F8 J	14	14037	E -2316053
15		9.2R	9 23.130	0.0005	17	-28 19 7.70	0.023	17	0.31	23.122	16	33.6	8.08	16	33.6	A3 M	13B	13288	J -2816488
16		9.0R	9 23.745	0.0000	18	-27 23 45.98	-0.084	18	0.34	23.744	16	33.6	44.61	16	33.6	K M	13B	13289	J -2714623
17		9.2R	9 31.609	0.0022	20	-28 34 48.77	-0.017	20	0.36	31.574	16	33.6	48.49	16	33.6	K M	13B	13290	J -2816489
18		9.3R	9 35.111	-0.0003	13	-29 56 2.91	-0.106	13	0.27	35.116	16	33.6	1.17	16	33.6	G0 M	13B	13291	J -3017735
19		9.3R	9 38.298	0.0023	20	-27 17 47.44	-0.037	15	0.33	38.261	16	33.6	46.84	16	33.6	A0 J	13B	13292	J -2714625
20		8.6R	9 39.966	-0.0001	20	-28 4 11.04	0.016	20	0.36	39.968	16	33.6	11.31	16	33.6	K0 J	13B	13293	J -2816492
21		9.5R	9 41.119	0.0004	15	-22 36 5.48	-0.018	15	0.29	41.112	16	33.6	5.19	16	33.6	F8 M	14	14039	E -2214552
22		9.0A	9 41.869	0.0016	20	-20 35 39.45	-0.011	15	0.33	41.863	16	33.6	39.26	16	33.6	K0 J	13A	8651	A -20 5851
23		9.1R	9 42.230	0.0034	17	-29 22 8.88	0.086	17	0.31	42.174	16	33.6	10.29	16	33.6	K5 M	13B	13294	J -2916878
24		8.0R	9 42.289	0.0003	18	-23 35 29.00	-0.067	18	0.34	42.283	16	33.6	27.90	16	33.6	A0 J	14	14038	E -2316058
25		8.9R	9 43.512	0.0038	20	-28 53 58.99	0.003	20	0.36	43.450	16	33.6	59.04	16	33.6	K M	13B	13295	J -2916880
26		9.1R	9 44.365	-0.0034	21	-23 24 8.70	-0.055	21	0.38	44.420	16	33.6	7.81	16	33.6	A2 J	14	14041	E -2316059
27		9.0R	9 47.057	-0.0055	18	-26 42 33.87	-0.024	18	0.34	47.148	16	33.6	33.48	16	33.6	G5 M	14	14040	E -2614857
28		8.4R	9 47.453	-0.0003	12	-24 57 19.37	0.006	12	0.25	47.458	16	33.6	19.47	16	33.6	K2 J	14	14042	E -2514616
29		9.2R	9 49.459	0.0013	18	-25 25 15.99	0.024	18	0.34	49.438	16	33.6	16.39	16	33.6	K2 M	14	14043	E -2514617
30		8.6R	9 54.454	-0.0003	18	-26 20 30.56	-0.019	18	0.34	54.460	16	33.6	30.24	16	33.6	K2 J	14	14044	E -2614860
31		7.8T	9 56.110	-0.0020	15	-23 8 21.32	-0.142	14	0.74	56.211	17	00.4	14.47	18	01.6	G5	GC	28043	C -2316063
32		8.7R	9 57.905	0.0030	15	-27 0 9.24	0.006	15	0.29	57.855	16	33.6	9.34	16	33.6	K0 M	13B	13299	J -2714629
33		9.0R	10 6.587	0.0026	15	-26 12 19.02	-0.016	15	0.29	6.544	16	33.6	18.76	16	33.6	K0 J	14	14046	E -2614861
34		8.6R	10 9.069	0.0029	15	-25 1 6.71	0.011	15	0.29	9.022	16	33.6	6.89	16	33.6	A0 J	14	14047	E -2514619
35		8.7A	10 18.718	0.0044	20	-21 35 32.38	0.004	15	0.33	18.646	16	33.6	32.44	16	33.6	A3 J	13A	8655	A -21 5647
36		9.2R	10 19.038	0.0018	18	-22 50 57.43	0.009	18	0.34	19.009	16	33.6	57.58	16	33.6	K0 M	14	14048	E -2316066
37		8.7R	10 20.665	0.0006	15	-22 12 40.26	0.010	15	0.29	20.654	16	33.6	40.42	16	33.6	F0 J	14	14049	E -2214557
38		9.0R	10 24.734	0.0022	20	-23 16 8.28	-0.052	15	0.29	24.697	16	33.6	7.43	16	33.6	K2 J	14	14050	E -2316069
39		8.3A	10 29.174	0.0020	20	-20 2 22.52	-0.015	15	0.33	29.142	16	33.6	22.28	16	33.6	A5 J	13A	8657	A -20 5856
40		9.3R	10 30.398	0.0032	18	-22 17 8.79	0.027	18	0.34	30.346	16	33.6	9.23	16	33.6	A3 J	14	14051	E -2214559
41		8.9A	10 33.981	-0.0013	20	-21 28 55.55	0.002	15	0.33	34.002	16	33.6	55.58	16	33.6	M1 J	13A	8658	A -21 5649
42		8.4R	10 34.637	0.0011	18	-27 12 16.81	-0.011	18	0.34	34.618	16	33.6	16.64	16	33.6	K0 J	13B	13304	J -2714641
43		9.1R	10 37.918	0.0006	20	-26 56 59.95	-0.020	20	0.36	37.909	16	33.6	59.63	16	33.6	A M	13B	13305	J -2714642
44		9.4R	10 45.563	0.0001	12	-28 29 44.16	-0.031	12	0.25	45.561	16	33.6	43.65	16	33.6		13B	13307	J -2816504
45		8.8R	10 50.804	0.0007	18	-25 53 47.54	0.007	18	0.34	50.793	16	33.6	47.65	16	33.6	K0 J	14	14052	E -2614867
46		9.0R	10 53.934	0.0014	20	-26 39 54.53	0.012	20	0.36	53.911	16	33.6	54.73	16	33.6	A5 J	14	14053	E -2614870
47		9.3R	10 54.219	0.0006	20	-28 16 51.96	0.141	20	0.36	54.211	16	33.6	54.28	16	33.6		13B	13309	J -2816507
48		9.0R	11 5.886	0.0025	18	-27 9 34.96	-0.047	18	0.34	5.845	16	33.6	34.19	16	33.6	F0 M	13B	13311	J -2714648
49		9.5R	11 9.845	0.0049	12	-25 18 0.74	-0.053	12	0.25	9.765	16	33.6	59.88	16	33.6	K0 M	14	14054	E -2514627
50		9.4R	11 12.779	0.0016	15	-26 10 32.24	-0.012	15	0.29	12.753	16	33.6	32.03	16	33.6	K0 M	14	14055	E -2614874
51		8.5A	20 11 15.741	-0.0004	20	-20 23 32.87	-0.020	15	0.33	15.746	16	33.6	32.54	16	33.6	K0 J	13A	8664	A -20 5862
52		8.9R	11 16.849	0.0014	20	-29 22 47.79	0.002	20	0.36	16.827	16	33.6	47.83	16	33.6	M	13B	13312	J -2916899
53		8.8R	11 16.863	0.0008	15	-23 1 58.45	-0.062	15	0.29	16.849	16	33.6	57.44	16	33.6	G0 J	14	14056	E -2316081
54		8.6R	11 20.523	-0.0018	12	-28 47 9.12	0.017	12	0.25	20.554	16	33.6	9.40	16	33.6	F0 M	13B	13315	J -2816512
55		8.1R	11 21.973	0.0033	18	-22 11 28.92	-0.001	18	0.34	21.919	16	33.6	28.90	16	33.6	F0 J	14	14057	E -2214567
56		9.0R	11 24.331	0.0030	20	-27 1 50.66	-0.028	20	0.36	24.281	16	33.6	50.21	16	33.6	F8 M	13B	13316	J -2714649
57		9.0A	11 35.344	0.0010	18	-21 42 44.05	0.004	13	0.30	35.328	16	33.6	44.11	16	33.6	A0 J	13A	8666	A -21 5654
58		9.0R	11 36.179	-0.0024	18	-26 27 21.33	-0.060	18	0.34	36.219	16	33.6	20.35	16	33.6	G0 J	14	14058	E -2614876
59		9.3R	11 37.879	0.0017	15	-22 11 24.17	0.010	15	0.29	37.852	16	33.6	24.33	16	33.6	K0 M	14	14059	E -2214570
60		9.0R	11 42.809	-0.0001	12	-28 43 19.12	0.018	12	0.25	42.811	16	33.6	19.42	16	33.6	K M	13B	13318	J -2816518
61		9.0A	11 56.959	0.0009	20	-20 57 27.40	0.009	15	0.33	56.944	16	33.6	27.55	16	33.6	A5 J	13A	8670	A -21 5656
62		9.6R	12 1.120	-0.0014	18	-25 19 21.11	0.020	18	0.34	1.143	16	33.6	21.44	16	33.6	A5 M	14	14060	E -2514636
63		8.6R	12 3.874	0.0030	20	-29 3 45.29	0.018	20	0.36	3.826	16	33.6	45.59	16	33.6	K M	13B	13320	J -2916911
64		9.4A	12 10.352	0.0018	20	-20 8 32.07	-0.006	15	0.33	10.323	16	33.6	32.17	16	33.6	F0 J	13A	8671	A -20 5865
65		5.7T	12 10.409	0.0932	04	-27 11 1.57	-0.178	04	0.22	5.757	07	00.1	-52.87	07	01.0	K0	GC	28104	C*-2714659
66		8.6R	12 11.614	0.0024	18	-24 36 1.78	0.006	18	0.34	11.575	16	33.6	1.89	16	33.6	G5 J	14	14061	E -2415913
67		9.1R	12 11.864	0.0030	18	-24 24 18.12	-0.006	18	0.34	11.814	16	33.6	18.02	16	33.6	K0 M	14	14062	E -2415914
68		8.9R	12 11.903	-0.0005	12	-28 19 8.00	-0.020	12	0.25	11.911	16	33.6	7.68	16	33.6	F8 J	13B	13322	J -2816521
69		9.0R	12 12.490	0.0003	20	-22 44 44.49	-0.003	20	0.36	12.486	16	33.6	44.45	16	33.6	K0 M	14	14063	E -2214576
70		9.1R	12 20.469	0.0039	12	-29 21 29.39	-0.092	12	0.25	20.406	16	33.6	27.88	16	33.6	G5 M	13B	13323	J -2916915
71		8.3R	12 21.746	0.0001	12	-28 31 1.50	0.004	12	0.25	21.746	16	33.6	1.57	16	33.6	K0 J	13B	13326	J -2816524
72		9.0A	12 28.417	0.0018	20	-20 38 55.25	-0.032	15	0.33	28.387	16	33.6	54.72	16	33.6	A5 J	13A	8672K	A -20 5866
73		8.5A	12 35.221	-0.0006	15	-21 37 2.54	-0.057	11	0.26	35.232	16	33.6	1.60	16	33.6	G5 J	13A	8673	A -21 5660
74		9.5R	12 35.808	-0.0017	18	-23 31 15.48	-0.006	18	0.34	35.836	16	33.6	15.38	16	33.6	A0 J	14	14065	E -2316094
75		8.6R	12 36.133	0.0025	12	-28 13 54.41	0.008	12	0.25	36.091	16	33.6	54.55	16	33.6	K0 J	13B	13327	J -2816528
76		9.4R	12 41.462	0.0010	18	-23 14 48.86	0.003	18	0.34	41.446	16	33.6	48.92	16	33.6	A5 M	14	14066	E -2316095
77		8.5R	12 45.716	-0.0022	17	-28 21 33.77	0.074	17	0.31	45.753	16	33.6	34.99	16	33.6	F8 J	13B	13331	J -2816530
78		8.4R	12 53.225	-0.0004	00	-26 56 14.87	0.016	18	0.26	53.231	16	33.6	15.14	16	33.6	G5 J	13B	13333	J -2714668
79	10.5	10.4W	13 5.092	-0.0004	21	-29 54 15.96	-0.107	21	0.44	5.100	22	31.7	13.99	21	31.7	G0 L	C7	11040	C -3017778
80		9.5R	13 6.630	-0.0028	15	-24 38 15.40	0.034	15	0.29	6.675	16	33.6	15.96	16	33.6	G5 M	14	14067	E -2415920
81		9.2R	13 7.783	0.0006	18	-23 49 46.64	-0.018	18	0.34	7.773	16	33.6	46.35	16	33.6	K2 J	14	14068	E -2415921
82		8.4R	13 11.511	0.0039	12	-25 21 25.37	-0.015	12	0.25	11.447	16	33.6	25.13	16	33.6	G0 J	14	14069	E -2514647
83		8.6R	13 12.551	-0.0039	21	-23 33 21.26	-0.017	21	0.38	12.615	16	33.6	20.98	16	33.6	G5 J	14	14071	E -2316098
84		8.4R	13 12.911	0.0016	18	-23 59 20.65	0.010	18	0.34	12.884	16	33.6	20.81	16	33.6	K0 J	14	14070	E -2415922
85		7.7R	13 13.604	0.0027	18	-23 39 52.29	-0.013	18	0.34	13.559	16	33.6	52.08	16	33.6	G5 J	14	14073	E -2316099
86		9.4R	13 16.562	-0.0018	20	-26 33 19.33	-0.023	20	0.36	16.591	16	33.6	18.96	16	33.6		14	14072	E -2614895
87		9.6R	13 21.153	0.0012	20	-26 18 2.67	0.029	20	0.36	21.133	16	33.6	3.15	16	33.6		14	14074	E -2614896
88		7.8A	13 21.546	0.0009	20	-20 10 37.69	-0.039	15	0.33	21.531	16	33.6	37.05	16	33.6	A3 J	13A	8677	A -20 5870
89		9.1R	13 22.675	0.0005	18	-21 57 41.47	0.027	18	0.34	22.667	16	33.6	41.91	16	33.6	G5 M	14	14075	E -2214589
90		8.3R	13 31.123	0.0008	18	-27 45 31.29	-0.073	18	0.34	31.110	16	33.6	30.09	16	33.6	A3 J	13B	13338	J -2714680
91		8.9R	13 31.817	0.0004	13	-29 14 6.83	-0.047	13	0.27	31.810	16	33.6	6.06	16	33.6	A0 J	13B	13337	J -2916927
92		8.7A	13 36.647	0.0021	20	-20 14 34.80	-0.005	15	0.33	36.613	16	33.6	34.72	16	33.6	F2 J	13A	8678	A -20 5874
93		9.1R	13 37.187	0.0002	15	-25 53 35.68	-0.043	15	0.29	37.184	16	33.6	34.98	16	33.6	G5 J	14	14076	E -2614898
94		9.0R	13 40.398	-0.0002	18	-22 37 38.64	0.000	18	0.34	40.402	16	33.6	38.65	16	33.6	K0 M	14	14077	E -2214592
95		9.2A	13 44.490	0.0011	20	-20 20 2.59	0.031	15	0.33	44.473	16	33.6	3.10	16	33.6	K0 J	13A	8679	A -20 5875
96		9.4R	13 46.056	0.0004	15	-23 52 50.88	0.008	15	0.29	46.049	16	33.6	51.01	16	33.6	K0 M	14	14078	E -2415929
97		9.0A	13 52.361	-0.0002	20	-21 5 17.67	-0.011	15	0.33	52.364	16	33.6	17.48	16	33.6	F2 J	13A	8680	A -21 5669
98		9.0R	13 56.065	0.0016	20	-26 15 44.68	-0.050	20	0.36	56.039	16	33.6	43.86	16	33.6	G0 J	14	14079	E -2614901
99		9.3R	14 1.863	0.0009	12	-24 55 37.43	0.052	12	0.25	1.848	16	33.6	38.28	16	33.6	F0 J	14	14080	E -2514662
00		9.1R	14 13.735	0.0002	21	-28 3 7.90	0.021	21	0.38	13.732	16	33.6	8.25	16	33.6	K M	13B	13345	J -2816546

189100

EPOCH 1950 — ORIGINAL EPOCH — SOURCE — -20° 20H

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	σ'_μ ″.001	σ_{1950} ″	α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	CAT.	STAR NUMBER	DM NUMBER
1		9.0A	20 14 16.645	-0.0015	18	-21 21 41.95	-0.000	13	0.30	16.669	16	33.6	41.94	16	33.6	K7 J	13A	8684	A -21 5674
2		9.1R	14 17.726	-0.0024	17	-28 39 14.38	-0.018	17	0.31	17.765	16	33.6	14.09	16	33.6	A0 J	13B	13346	J -2816547
3		9.5R	14 21.437	0.0019	18	-22 55 35.98	0.000	18	0.34	21.406	16	33.6	35.99	16	33.6	K0 M	14	14081	E -2316115
4		7.8A	14 21.810	-0.0001	00	-20 6 57.57	-0.032	15	0.23	21.813	16	33.6	57.05	16	33.6	K0 J	13A	8685	A -20 5880
5		8.1R	14 31.066	0.0006	12	-29 32 58.60	0.038	12	0.25	31.057	16	33.6	59.22	16	33.6	M1 M	13B	13347	J -2916940
6		8.7R	14 31.478	-0.0013	17	-26 41 39.10	-0.038	17	0.31	31.499	16	33.6	38.48	16	33.6	G5 J	14	14082	E -2614907
7		9.1R	14 39.736	0.0026	17	-26 59 42.34	0.024	17	0.31	39.694	16	33.6	42.74	16	33.6		13B	13348	J -2714691
8		9.0R	14 43.002	-0.0002	18	-24 13 1.37	-0.005	18	0.34	43.006	16	33.6	1.29	16	33.6	K0 J	14	14084	E -2415939
9		8.9R	14 43.637	0.0003	20	-26 7 30.06	0.001	20	0.36	43.632	16	33.6	30.08	16	33.6	K2 J	14	14083	E -2614908
10		9.5R	14 54.327	0.0023	18	-24 6 14.01	0.021	18	0.34	54.289	16	33.6	14.35	16	33.6	G0 J	14	14085	E -2415944
11		8.4R	14 55.347	0.0019	21	-28 17 20.88	-0.028	21	0.38	55.317	16	33.6	20.43	16	33.6	G0 J	13B	13350	J -2816553
12		9.4R	14 58.387	-0.0055	18	-22 45 25.69	-0.057	18	0.34	58.477	16	33.6	24.76	16	33.6	G5 M	14	14086	E -2214602
13		8.8R	15 4.884	0.0006	20	-26 23 18.21	0.061	20	0.36	4.874	16	33.6	19.20	16	33.6	K2 J	14	14087	E -2614911
14		6.0H	15 5.269	0.0024	02	-21 57 37.37	-0.025	02	0.07	5.175	03	11.8	56.45	04	13.6	K0	F4	1529	-22 5384
15		9.0R	15 5.761	-0.0006	21	-28 31 26.21	-0.001	21	0.38	5.772	16	33.6	26.20	16	33.6	K M	13B	13352	J -2816556
16		8.6T	15 7.368	0.0001	11	-24 31 35.01	0.009	10	0.59	7.364	19	95.6	35.53	19	92.9	A2	GC	28196	C -2415946
17		8.6R	15 7.955	0.0022	18	-24 25 30.25	-0.043	18	0.34	7.918	16	33.6	29.54	16	33.6	K5 M	14	14090	E -2415947
18		9.4R	15 8.447	0.0003	18	-22 46 56.75	-0.007	18	0.34	8.443	16	33.6	56.64	16	33.6	K0 M	14	14093	E -2316127
19		8.8R	15 8.726	0.0022	15	-25 10 9.15	0.009	15	0.29	8.690	16	33.6	9.30	16	33.6	K0 J	14	14089	E -2514677
20		7.6R	15 9.506	0.0017	18	-22 9 16.26	-0.037	18	0.34	9.478	16	33.6	15.65	16	33.6	F5 J	14	14094	E -2214604
21		9.7R	15 9.937	0.0003	18	-24 28 23.21	0.006	18	0.34	9.933	16	33.6	23.31	16	33.6		14	14092	E -2415948
22		8.9R	15 16.538	0.0014	20	-29 20 51.51	0.014	20	0.36	16.515	16	33.6	51.74	16	33.6	A0 J	13B	13353	J -2916949
23		8.6R	15 17.078	-0.0003	21	-28 41 37.57	0.030	21	0.38	17.084	16	33.6	38.06	16	33.6	M M	13B	13354	J -2816563
24		8.6R	15 29.557	0.0011	20	-28 17 41.05	0.028	20	0.36	29.539	16	33.6	41.52	16	33.6	A0 J	13B	13358	J -2816566
25		9.0R	15 35.890	0.0045	20	-29 0 17.76	-0.051	20	0.36	35.817	16	33.6	16.93	16	33.6	K M	13B	13359	J -2916951
26		9.2R	15 37.325	0.0026	18	-23 51 7.10	0.017	18	0.34	37.282	16	33.6	7.38	16	33.6	G0 J	14	14095	E -2415952
27		9.5R	15 38.966	0.0006	18	-23 53 14.84	0.010	18	0.34	38.956	16	33.6	15.00	16	33.6	K M	14	14096	E -2415953
28		9.0R	15 42.872	0.0014	20	-28 47 59.94	-0.008	20	0.36	42.849	16	33.6	59.81	16	33.6	K M	13B	13360	J -2916954
29		8.0R	15 45.069	-0.0001	20	-27 13 56.49	0.028	20	0.36	45.070	16	33.6	56.96	16	33.6	K0 J	13B	13361	J -2714703
30		9.4R	15 50.379	-0.0003	17	-28 17 48.97	0.014	17	0.31	50.383	16	33.6	49.20	16	33.6	K0 M	13B	13363	J -2816567
31		8.9R	15 55.771	-0.0008	21	-29 6 9.60	-0.016	21	0.38	55.784	16	33.6	9.34	16	33.6	K5 M	13B	13364	J -2916959
32		7.5R	15 56.318	-0.0010	18	-24 3 4.67	0.033	18	0.34	56.334	16	33.6	5.21	16	33.6	K2 J	14	14097	E -2415958
33		9.0R	16 0.161	-0.0033	21	-29 51 30.39	-0.038	21	0.38	0.215	16	33.6	29.77	16	33.6	K0 J	13B	13365	J -3017815
34		9.1R	16 0.749	-0.0007	18	-23 14 2.82	0.009	18	0.34	0.760	16	33.6	2.97	16	33.6	A3 J	14	14098	E -2316135
35		9.5R	16 10.121	-0.0047	15	-22 51 7.12	-0.018	15	0.29	10.198	16	33.6	6.83	16	33.6	G0 M	14	14100	E -2316137
36		9.4R	16 10.184	0.0007	15	-23 33 30.34	-0.010	15	0.29	10.173	16	33.6	30.18	16	33.6	G5 M	14	14099	E -2316136
37		9.4R	16 11.158	0.0011	15	-21 48 21.33	0.025	15	0.29	11.139	16	33.6	21.73	16	33.6	A2 J	14	14101	E -2214617
38		8.6R	16 15.500	-0.0014	18	-22 17 5.88	-0.027	18	0.34	15.524	16	33.6	5.43	16	33.6	K0 J	14	14103	E -2214618
39		7.5T	16 18.253	0.0006	10	-29 46 53.78	-0.008	08	0.56	18.221	15	94.5	53.30	15	89.8	B9	GC	28226	C -3017822
40		8.6A	16 24.477	0.0029	20	-21 19 46.23	-0.038	15	0.33	24.429	16	33.6	45.60	16	33.6	G0 J	13A	8698	A -21 5681
41		9.3R	16 24.945	0.0008	20	-25 47 27.86	0.051	20	0.36	24.932	16	33.6	28.69	16	33.6	K M	14	14104	E -2614926
42		6.6T	16 30.794	-0.0010	15	-21 6 30.88	0.008	15	0.72	30.842	09	02.3	31.24	12	02.6	F0	GC	28234	-21 5684
43		9.0R	16 31.372	0.0032	15	-26 29 54.13	-0.000	15	0.29	31.320	16	33.6	54.12	16	33.6	A3 J	14	14105	E -2614928
44		8.7R	16 38.415	0.0018	18	-22 53 19.64	-0.068	18	0.34	38.386	16	33.6	18.53	16	33.6	F2 J	14	14107	E -2316148
45		8.1A	16 39.485	0.0003	20	-20 4 12.55	-0.022	15	0.33	39.480	16	33.6	12.19	16	33.6	K0 J	13A	8703	A -20 5889
46		9.7R	16 39.938	0.0073	15	-24 24 54.01	-0.016	15	0.29	39.818	16	33.6	53.75	16	33.6		14	14108	E -2415965
47		8.7R	16 40.573	0.0020	20	-24 49 24.74	-0.033	20	0.36	40.539	16	33.6	24.20	16	33.6	K2 J	14	14106	E -2514696
48		8.6R	16 43.837	-0.0016	18	-22 2 45.38	-0.037	18	0.34	43.863	16	33.6	44.77	16	33.6	G0 J	14	14110	E -2214622
49		8.9R	16 45.762	0.0016	20	-27 30 11.02	0.007	20	0.36	45.736	16	33.6	11.14	16	33.6	A5 J	13B	13374	J -2714715
50		8.5R	16 45.787	0.0029	20	-29 31 49.70	0.021	20	0.36	45.739	16	33.6	50.04	16	33.6	F0 J	13B	13372	J -2916968
51		7.0T	20 16 45.868	-0.0080	07	-25 23 4.11	-0.141	06	0.36	46.290	10	97.5	56.43	10	95.5	G0	GC	28245	C -2514697
52		9.0R	16 50.190	0.0027	20	-29 22 14.47	-0.028	20	0.36	50.146	16	33.6	14.01	16	33.6	K M	13B	13375	J -2916969
53		8.8A	17 0.599	-0.0004	20	-20 4 10.67	-0.079	15	0.33	0.606	16	33.6	9.38	16	33.6	G0 J	13A	8708	A -20 5895
54		8.6R	17 1.723	0.0006	21	-29 50 31.54	-0.042	21	0.38	1.713	16	33.6	30.85	16	33.6	K0 J	13B	13377	J -3017829
55		8.9A	17 2.443	0.0015	18	-21 44 10.46	0.019	15	0.31	2.418	16	33.6	10.77	16	33.6	K5 J	13A	8707	A -22 5392
56		9.2R	17 2.482	0.0019	18	-23 50 45.15	0.012	18	0.34	2.450	16	33.6	45.35	16	33.6	K M	14	14111	E -2415970
57		9.0R	17 4.922	0.0005	15	-25 47 20.97	0.024	15	0.29	4.914	16	33.6	21.37	16	33.6		14	14112	E -2514934
58		8.8R	17 6.784	0.0013	17	-27 59 46.14	0.009	17	0.31	8.762	16	33.6	46.29	16	33.6	G0 J	13B	13379K	J -2816583
59		9.7R	17 9.855	0.0015	20	-23 1 44.75	-0.045	20	0.36	9.831	16	33.6	44.02	16	33.6	F5 M	14	14113	E -2316155
60		8.0R	17 10.277	0.0038	20	-29 17 22.50	-0.013	20	0.36	10.215	16	33.6	22.29	16	33.6	K0 J	13B	13378	J -2916977
61		8.8A	17 13.278	-0.0006	20	-20 25 0.65	-0.008	15	0.33	13.287	16	33.6	0.52	16	33.6	A3 J	13A	8709	A -20 5896
62		9.5R	17 15.625	-0.0001	15	-23 18 46.81	0.020	15	0.29	15.626	16	33.6	47.15	16	33.6	G M	14	14114	E -2316157
63		8.3T	17 22.057	0.0016	13	-29 20 59.23	0.013	16	0.75	21.974	18	99.8	59.87	19	01.4	A0	GC	28267K	C -2916980
64		6.3T	17 23.397	0.0022	12	-29 21 21.25	0.006	09	0.60	23.280	18	98.2	21.60	17	93.9	A0	GC	28269K	C -2916981
65		8.9R	17 24.465	0.0026	18	-27 20 22.45	-0.012	18	0.34	24.423	16	33.6	22.26	16	33.6	A5 J	13B	13383	J -2714723
66		8.6R	17 26.995	0.0058	12	-25 22 18.21	-0.112	12	0.25	26.900	16	33.6	16.38	16	33.6	G0 J	14	14115	E -2514707
67		9.2R	17 28.142	-0.0005	20	-28 20 42.18	0.008	20	0.36	28.150	16	33.6	42.32	16	33.6	K M	13B	13387	J -2816586
68		9.3R	17 29.033	0.0058	21	-28 56 33.07	0.040	21	0.38	28.939	16	33.6	33.73	16	33.6		13B	13386	J -2916983
69		9.2R	17 32.248	-0.0009	21	-29 11 1.86	0.023	21	0.38	32.264	16	33.6	2.24	16	33.6		13B	13388	J -2916985
70		8.9R	17 32.584	0.0017	20	-26 54 49.19	-0.012	20	0.36	32.556	16	33.6	49.00	16	33.6	K2 J	13B	13389	J -2714726
71		8.7A	17 34.313	-0.0006	20	-20 7 27.87	-0.027	15	0.33	34.322	16	33.6	27.43	16	33.6	K5 J	13A	8711	A -20 5899
72		9.1R	17 38.964	0.0053	21	-28 59 53.34	-0.053	21	0.38	38.877	16	33.6	52.48	16	33.6	G M	13B	13390	J -2916988
73		9.0R	17 39.690	0.0100	20	-27 44 4.26	-0.061	20	0.36	39.527	16	33.6	3.27	16	33.6	K0 J	13B	13391	J -2714727
74		8.0R	17 39.921	-0.0020	18	-26 18 27.65	-0.007	15	0.31	39.954	16	33.6	27.53	16	33.6	K0 J	14	14116	E -2614942
75		8.7R	17 40.476	-0.0026	20	-27 12 17.33	-0.160	20	0.36	40.518	16	33.6	14.72	16	33.6	G5 J	13B	13392	J -2714729
76		9.2R	17 42.090	0.0028	20	-24 57 0.31	-0.019	20	0.36	42.043	16	33.6	00.00	16	33.6	K0 M	14	14117	E -2514709
77		9.3R	17 44.176	-0.0013	15	-21 59 9.13	0.014	15	0.29	44.197	16	33.6	9.35	16	33.6	G0 J	14	14119	E -2214635
78		7.8T	17 45.850	-0.0005	10	-24 57 25.81	-0.013	15	0.68	45.879	18	96.4	25.19	19	01.1	K2	GC	28277	C -2514710
79		9.2R	17 47.031	0.0016	18	-24 11 49.24	-0.003	18	0.34	47.004	16	33.6	49.19	16	33.6	K5 M	14	14120	E -2415978
80		8.5A	17 51.093	0.0024	13	-20 57 41.01	0.011	11	0.25	51.053	16	33.6	41.19	16	33.6	K0 J	13A	8714	A -21 5690
81		9.7R	18 0.609	0.0004	18	-22 19 57.54	-0.042	18	0.34	0.602	16	33.6	56.85	16	33.6	G0 M	14	14121	E -2214639
82		9.1R	18 4.028	-0.0023	20	-24 33 29.48	-0.016	20	0.36	4.066	16	33.6	29.22	16	33.6		14	14122	E -2415983
83		8.5R	18 8.876	0.0035	20	-29 46 7.84	0.035	20	0.36	8.819	16	33.6	8.42	16	33.6	K2 J	13B	13398	J -3017845
84		9.1R	18 8.953	0.0023	15	-24 45 26.50	0.056	15	0.29	8.915	16	33.6	27.43	16	33.6	G0 J	14	14123	E -2415984
85		8.7R	18 14.949	-0.0005	15	-24 29 18.64	-0.001	15	0.29	14.957	16	33.6	18.62	16	33.6	K0 J	14	14124	E -2415985
86		9.2R	18 18.018	0.0002	15	-23 51 3.60	0.017	15	0.29	18.015	16	33.6	3.88	16	33.6	M2 M	14	14125	E -2415987
87		9.3R	18 19.083	-0.0009	18	-21 58 24.73	-0.019	18	0.34	19.097	16	33.6	24.41	16	33.6	K0 M	14	14126	E -2214644
88		9.5R	18 23.973	0.0021	18	-23 35 38.35	0.004	18	0.34	23.939	16	33.6	38.42	16	33.6	G5 M	14	14127	E -2316169
89		9.4R	18 25.593	-0.0033	18	-24 25 10.63	-0.071	18	0.34	25.646	16	33.6	9.47	16	33.6		14	14128	E -2415989
90		9.1R	18 27.203	0.0031	18	-22 56 22.02	0.005	18	0.34	27.152	16	33.6	22.11	16	33.6	F5 J	14	14130	E -2316170
91		9.0R	18 27.835	-0.0038	20	-26 2 43.75	-0.021	20	0.36	27.898	16	33.6	43.41	16	33.6	G0 J	14	14129	E -2614954
92		7.6R	18 32.317	-0.0001	18	-23 38 10.02	0.005	18	0.34	32.319	16	33.6	10.10	16	33.6	K0 J	14	14131	E -2316172
93		9.6R	18 33.115	-0.0008	15	-22 41 37.12	-0.054	15	0.29	33.128	16	33.6	36.24	16	33.6	G0 M	14	14132	E -2214647
94		9.4R	18 34.944	0.0090	17	-28 30 26.78	0.000	17	0.31	34.797	16	33.6	26.78	16	33.6	G M	13B	13399	J -2816595
95		8.2A	18 37.948	-0.0114	20	-21 34 37.58	-0.122	15	0.33	38.135	16	33.6	35.57	16	33.6	F5 J	13A	8722	A -21 5694
96		9.1R	18 38.904	0.0018	20	-29 21 32.49	-0.040	20	0.36	38.875	16	33.6	31.84	16	33.6	K M	13B	13400	J -2916997
97		9.1R	18 45.661	0.0009	18	-26 27 12.01	-0.019	18	0.34	45.647	16	33.6	11.70	16	33.6	K0 J	14	14133	E -2614958
98		9.4R	18 47.300	0.0045	18	-22 9 47.86	0.008	18	0.34	47.227	16	33.6	47.99	16	33.6	F2 J	14	14134	E -2214650
99		9.2A	18 52.330	0.0087	20	-21 44 54.65	-0.172	15	0.33	52.188	16	33.6	51.82	16	33.6	G0 J	13A	8724	A -22 5404
00		8.6R	18 53.126	0.0028	17	-29 15 5.17	0.015	17	0.31	53.081	16	33.6	5.42	16	33.6	F2 J	13B	13404	J -2916998

189200

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	SOURCE CAT.	STAR NUMBER	-20° 20H DM NUMBER
1		8.9R	20 18 57.675	-0.0009	15	-26 21 2.12	0.018	15	0.29	57.689	16	33.6	2.42	16	33.6	FO J	14	14135	E -2614960
2		7.4T	19 10.888	0.0024	13	-22 7 1.47	-0.012	10	0.61	10.768	18	00.1	0.83	15	97.2	A2	GC	28312	-22 5406
3		9.1R	19 19.068	0.0027	15	-25 8 24.74	-0.023	15	0.29	19.023	16	33.6	24.37	16	33.6	GO J	14	14137	E -2514727
4		9.0R	19 20.501	0.0006	17	-29 0 50.25	-0.036	17	0.31	20.492	16	33.6	49.66	16	33.6	K M	13B	13408	J -2917003
5		8.6R	19 21.910	-0.0000	12	-27 53 15.92	-0.019	12	0.25	21.911	16	33.6	15.61	16	33.6	FO J	13B	13409	J -2816606
6		9.0R	19 22.789	-0.0003	18	-25 48 22.25	-0.027	18	0.34	22.795	16	33.6	21.79	16	33.6	FO J	14	14138	E -2614968
7		9.1A	19 28.265	0.0045	18	-20 23 19.95	-0.010	13	0.30	28.192	16	33.6	19.79	16	33.6	KO J	13A	8726	A -20 5911
8		9.0R	19 30.497	0.0061	18	-26 19 12.68	-0.053	18	0.34	30.398	16	33.6	11.80	16	33.6	G5 J	14	14139	E -2614971
9		9.1R	19 39.801	0.0016	17	-28 59 41.12	-0.016	17	0.31	39.775	16	33.6	40.86	16	33.6	K M	13B	13410	J -2917005
10		8.2R	19 41.225	-0.0018	15	-22 30 20.40	-0.013	15	0.29	41.255	16	33.6	20.20	16	33.6	KO J	14	14140	E -2214667
11		9.1R	19 48.859	0.0017	18	-26 58 19.42	-0.046	18	0.34	48.832	16	33.6	18.67	16	33.6	GO J	13B	13412	J -2714759
12		9.5R	19 50.077	-0.0005	18	-23 22 25.65	0.013	18	0.34	50.084	16	33.6	25.87	16	33.6	K M	14	14141	E -2316186
13		8.3R	19 52.364	0.0027	12	-29 18 47.72	-0.005	12	0.25	52.321	16	33.6	47.64	16	33.6	FO J	13B	13413	J -2917009
14		8.4R	19 57.248	0.0002	18	-25 5 16.97	-0.021	18	0.34	57.246	16	33.6	16.63	16	33.6	K2 J	14	14142	E -2514735
15		8.4T	20 3.930	0.0024	12	-25 8 56.98	0.002	10	0.61	3.807	21	98.0	57.10	19	94.7	A3	GC	28327	C -2514736
16		9.0A	20 8.755	-0.0021	20	-21 0 25.72	-0.038	15	0.33	8.789	16	33.6	25.09	16	33.6	F8 J	13A	8731	A -21 5699
17		8.9R	20 10.838	-0.0033	15	-24 39 21.66	-0.036	15	0.29	10.892	16	33.6	21.08	16	33.6	G5 J	14	14144	E -2416000
18		9.0R	20 14.088	-0.0012	18	-26 2 55.96	0.010	00	0.26	14.108	16	33.6	56.12	16	33.6	F5 J	14	14145	E -2614979
19		9.4R	20 16.347	0.0030	12	-22 17 29.71	-0.010	12	0.25	16.298	16	33.6	29.54	16	33.6	F5 M	14	14146	E -2214672
20		9.1R	20 22.210	0.0035	17	-28 19 9.17	0.053	17	0.31	22.154	16	33.6	10.04	16	33.6	GO J	13B	13418	J -2816625
21		9.1R	20 22.652	0.0030	12	-29 8 21.73	0.017	12	0.25	22.604	16	33.6	22.01	16	33.6	F5 J	13B	13417	J -2917020
22		9.4R	20 26.661	0.0029	18	-25 48 38.70	-0.022	18	0.34	26.616	16	33.6	38.34	16	33.6	KO J	14	14147	E -2614980
23		7.5R	20 32.195	-0.0010	18	-26 53 48.56	-0.043	18	0.34	32.212	16	33.6	47.86	16	33.6	KO J	13B	13420	J -2714766
24		8.6A	20 35.990	-0.0011	20	-20 41 28.35	-0.027	15	0.33	36.008	16	33.6	27.90	16	33.6	K5 J	13A	8735	A -20 5917
25		9.2R	20 36.107	0.0011	17	-28 42 9.72	-0.023	17	0.31	36.089	16	33.6	9.35	16	33.6		13B	13421	J -2816628
26		8.5T	20 38.798	0.0395	18	-21 31 4.73	-1.071	18	0.91	36.875	17	01.3	-12.04	17	00.8	GO	GC	28350	B*-21 5703
27		9.2R	20 40.453	0.0020	18	-24 25 39.67	0.026	18	0.34	40.420	16	33.6	40.10	16	33.6	K M	14	14148	E -2416007
28		9.2R	20 41.323	-0.0014	22	-24 32 20.04	-0.013	22	0.40	41.346	16	33.6	19.83	16	33.6	GO J	14	14149	E -2416008
29		9.3R	20 48.995	-0.0029	18	-23 54 23.91	0.006	18	0.34	49.043	16	33.6	24.01	16	33.6	K M	14	14150	E -2416010
30		9.3R	20 49.490	0.0026	17	-28 22 6.23	0.019	17	0.31	49.447	16	33.6	6.54	16	33.6	G M	13B	13422	J -2816633
31		9.5R	20 50.995	0.0006	18	-22 31 26.77	0.040	18	0.34	50.985	16	33.6	27.43	16	33.6	G M	14	14151	E -2214682
32		8.5A	20 53.815	-0.0055	20	-20 4 10.97	0.088	15	0.33	53.905	16	33.6	12.42	16	33.6	GO J	13A	8737	A -20 5919
33		8.5R	20 55.223	0.0025	15	-24 19 36.10	-0.062	15	0.29	55.182	16	33.6	35.08	16	33.6	KO J	14	14152	E -2416013
34		8.9A	20 58.205	0.0020	18	-20 23 42.61	-0.024	13	0.30	58.173	16	33.6	42.22	16	33.6	M1 J	13A	8738	A -20 5920
35		8.9R	21 1.378	-0.0002	15	-22 53 23.85	-0.003	15	0.29	1.381	16	33.6	23.81	16	33.6	GO J	14	14153	E -2316207
36		8.5R	21 3.586	0.0017	18	-27 44 10.48	-0.123	18	0.34	3.558	16	33.6	8.47	16	33.6	GO J	13B	13424	J -2714775
37		8.3R	21 5.105	0.0020	12	-28 32 50.99	0.061	12	0.25	5.073	16	33.6	51.99	16	33.6	KO J	13B	13425	J -2816636
38		8.6R	21 6.522	0.0019	12	-28 10 2.23	-0.015	12	0.25	6.492	16	33.6	1.99	16	33.6	F5 J	13B	13426	J -2816637
39		9.0R	21 6.804	0.0006	18	-25 23 45.27	0.009	18	0.34	6.794	16	33.6	45.42	16	33.6	K5 J	14	14154	E -2514743
40		8.8A	21 10.734	-0.0008	15	-21 20 2.04	0.002	13	0.28	10.747	16	33.6	2.07	16	33.6	A2 J	13A	8740	A -21 5706
41		9.0A	21 11.017	-0.0003	20	-20 11 31.94	-0.030	15	0.33	11.021	16	33.6	31.45	16	33.6	K2 J	13A	8741	A -20 5924
42		8.4R	21 15.094	0.0040	12	-28 9 40.78	0.008	12	0.25	15.029	16	33.6	40.92	16	33.6	FO J	13B	13428	J -2816639
43		9.2R	21 19.665	0.0056	20	-29 7 47.33	-0.019	20	0.36	19.573	16	33.6	47.02	16	33.6	GO J	13B	13429	J -2917031
44		7.5T	21 22.213	0.0006	10	-23 38 16.48	0.001	08	0.52	22.179	18	96.2	16.53	17	93.1	F8	GC	28366	C -2316214
45		8.5R	21 25.468	0.0023	18	-22 12 42.93	-0.000	18	0.34	25.430	16	33.6	42.92	16	33.6	F5 J	14	14156	E -2214687
46		8.2A	21 26.123	0.0019	20	-21 4 36.26	-0.017	15	0.33	26.091	16	33.6	35.98	16	33.6	KO J	13A	8744	A -21 5707
47		8.3R	21 30.408	0.0020	18	-27 3 45.04	-0.039	18	0.34	30.374	16	33.6	44.41	16	33.6	F5 J	13B	13430	J -2714777
48		8.6R	21 32.883	0.0055	17	-28 54 42.01	-0.006	17	0.31	32.794	16	33.6	41.92	16	33.6	F5 J	13B	13431	J -2917036
49		6.9T	21 36.885	0.0028	05	-25 59 46.64	-0.017	05	0.26	36.756	09	03.5	45.82	09	03.4	KO	GC	28372	C -2614990
50		9.3R	21 38.412	0.0004	15	-24 41 38.14	-0.008	15	0.29	38.405	16	33.6	38.02	16	33.6	GO J	14	14158	E -2416019
51		6.9T	20 21 38.621	0.0012	04	-29 14 23.57	-0.047	05	0.27	38.556	10	98.2	21.21	10	99.5	KO	GC	28373	C -2917039
52		9.1R	21 41.711	0.0016	20	-27 54 5.70	-0.003	20	0.36	41.684	16	33.6	5.65	16	33.6	K M	13B	13435	J -2816649
53		8.7R	21 44.571	0.0015	18	-24 25 6.21	0.010	18	0.34	44.546	16	33.6	6.37	16	33.6	A0 J	14	14159	E -2416022
54		8.2R	21 46.741	0.0014	21	-29 42 33.43	-0.003	21	0.38	46.718	16	33.6	33.39	16	33.6	M1 M	13B	13436	J -2917041
55		8.8R	21 47.465	0.0020	18	-24 42 21.69	-0.021	18	0.34	47.432	16	33.6	21.35	16	33.6	G5 J	14	14160	E -2416023
56		8.9R	21 48.077	0.0011	20	-28 24 13.28	-0.008	20	0.36	48.059	16	33.6	13.16	16	33.6	GO J	13B	13437	J -2816650
57		9.4R	21 50.414	0.0028	18	-21 57 27.99	-0.053	18	0.34	50.368	16	33.6	27.11	16	33.6	GO M	14	14161	E -2214691
58		9.5R	22 0.204	-0.0028	18	-22 38 50.65	0.003	18	0.34	0.250	16	33.6	50.71	16	33.6	F5 M	14	14162	E -2214692
59		8.4A	22 4.011	0.0016	20	-20 10 28.94	-0.022	15	0.33	3.985	16	33.6	28.58	16	33.6	M3 J	13A	8749	A -20 5926
60		8.0R	22 4.482	-0.0005	21	-29 1 33.72	-0.012	21	0.38	4.490	16	33.6	33.53	16	33.6	A2 J	13B	13440	J -2917046
61		9.5R	22 11.513	-0.0032	18	-23 49 49.58	-0.009	18	0.34	11.566	16	33.6	49.43	16	33.6	K M	14	14163	E -2416028
62		8.5R	22 12.453	-0.0002	18	-23 20 46.17	-0.028	18	0.34	12.456	16	33.6	45.72	16	33.6	K2 J	14	14164	E -2316223
63		8.8R	22 14.228	0.0010	20	-29 11 2.20	-0.035	20	0.36	14.212	16	33.6	1.63	16	33.6	K5 M	13B	13442	J -2917047
64		6.0H	22 23.345	0.0012	02	-28 49 36.93	0.011	02	0.08	23.307	04	17.9	37.30	04	16.5	KO	F4	1532	C -2917049
65		9.1R	22 24.238	-0.0005	18	-23 38 50.23	-0.140	18	0.34	24.247	16	33.6	47.94	16	33.6	GO J	14	14165	E -2316227
66		8.1R	22 29.732	0.0012	20	-29 36 6.75	0.023	20	0.36	29.712	16	33.6	7.13	16	33.6	KO J	13B	13445	J -2917050
67		8.8A	22 32.990	0.0018	20	-21 19 15.56	-0.002	15	0.33	32.961	16	33.6	15.52	16	33.6	K2 J	13A	8753	A -21 5716
68		9.0A	22 34.565	-0.0022	18	-21 39 1.25	-0.017	13	0.30	34.600	16	33.6	0.97	16	33.6	F8 J	13A	8754	A -21 5717
69		8.5R	22 37.895	0.0020	12	-21 49 29.01	0.005	12	0.25	37.862	16	33.6	29.09	16	33.6	KO J	14	14166	E -2214703
70		8.9R	22 38.933	0.0008	15	-21 56 49.04	0.016	15	0.29	38.920	16	33.6	49.30	16	33.6	F2 J	14	14167	E -2214705
71		8.7R	22 41.213	-0.0008	18	-22 44 12.45	-0.022	18	0.34	41.226	16	33.6	12.10	16	33.6	KO J	14	14168	E -2214704
72		9.1R	22 43.026	0.0028	17	-27 56 14.74	-0.020	17	0.31	42.981	16	33.6	14.42	16	33.6	GO J	13B	13447	J -2816655
73		7.6T	22 47.782	0.0029	09	-26 43 12.67	0.004	08	0.52	47.617	17	93.2	12.93	17	90.9	B9	GC	28401	C -2615008
74		9.2R	22 51.767	-0.0004	17	-25 54 33.30	0.022	17	0.31	51.774	16	33.6	33.67	16	33.6	A2 J	14	14170	E -2615009
75		9.0R	22 55.903	0.0003	18	-22 45 22.79	0.018	18	0.34	55.898	16	33.6	23.09	16	33.6	G5 J	14	14171	E -2214707
76		8.6R	22 59.196	0.0010	17	-29 12 12.97	-0.034	17	0.31	59.180	16	33.6	12.42	16	33.6	A0 J	13B	13448	J -2917060
77		9.0R	23 7.836	-0.0010	20	-25 0 38.73	-0.076	20	0.36	7.853	16	33.6	37.49	16	33.6	F8 J	14	14172	E -2514763
78		8.3R	23 16.135	-0.0003	15	-25 6 39.95	-0.002	15	0.29	16.140	16	33.6	39.92	16	33.6	A3 J	14	14174	E -2514768
79		8.9R	23 16.445	0.0023	20	-25 21 53.18	0.027	20	0.36	16.407	16	33.6	53.63	16	33.6	G5 J	14	14173	E -2514767
80		9.2R	23 23.661	0.0003	18	-24 43 15.50	0.037	20	0.35	23.655	16	33.6	16.11	16	33.6	K5 M	14	14175	E -2416034
81		7.1T	23 28.851	-0.0002	07	-29 14 16.68	-0.044	07	0.47	28.861	14	90.3	13.94	15	87.4	KO	GC	28419	C -2917069
82		8.8R	23 31.065	0.0011	18	-22 36 37.93	-0.010	18	0.34	31.048	16	33.6	37.77	16	33.6	KO J	14	14177	E -2214711
83		8.6R	23 33.665	0.0006	20	-28 38 31.12	0.046	20	0.36	33.656	16	33.6	31.88	16	33.6	G5 J	13B	13453	J -2816661
84		9.2R	23 33.681	-0.0018	18	-23 29 6.92	-0.012	18	0.34	33.711	16	33.6	6.73	16	33.6	GO J	14	14178	E -2316237
85		9.3R	23 36.182	-0.0008	15	-22 4 49.17	-0.003	15	0.29	36.195	16	33.6	49.12	16	33.6	K M	14	14179	E -2214713
86		9.6R	23 39.925	0.0019	20	-27 18 38.43	-0.007	20	0.36	39.894	16	33.6	38.32	16	33.6		13B	13455	J -2714799
87		9.0R	23 41.309	0.0024	18	-23 30 22.79	0.042	18	0.34	41.270	16	33.6	23.48	16	33.6	K M	14	14180	E -2316240
88		9.3R	23 49.902	0.0003	12	-22 22 59.93	0.003	12	0.25	49.898	16	33.6	59.97	16	33.6	K5 M	14	14182	E -2214715
89		9.1R	23 50.932	0.0031	15	-23 37 2.75	0.002	15	0.29	50.881	16	33.6	2.78	16	33.6	K M	14	14181	E -2316242
90		8.7A	23 57.147	0.0091	20	-20 58 30.60	-0.111	15	0.33	56.998	16	33.6	28.78	16	33.6	GO J	13A	8764	A -21 5719
91		9.2R	24 0.050	0.0007	15	-24 33 35.12	0.014	15	0.29	0.039	16	33.6	35.36	16	33.6	FO M	14	14183	E -2416038
92		8.5R	24 4.706	0.0014	15	-22 43 18.10	-0.045	15	0.29	4.683	16	33.6	17.37	16	33.6	GO J	14	14184	E -2214716
93		8.5R	24 7.350	-0.0019	20	-24 47 27.23	0.038	20	0.36	7.382	16	33.6	27.85	16	33.6	G5 J	14	14185	E -2514779
94		9.4R	24 7.883	-0.0020	18	-23 38 8.01	0.021	18	0.34	7.916	16	33.6	8.36	16	33.6	A3 J	14	14186	E -2316244
95		9.0R	24 9.551	0.0012	17	-28 37 18.55	-0.028	17	0.31	9.532	16	33.6	18.09	16	33.6	KO M	13B	13458	J -2816670
96		9.0A	24 12.323	0.0029	20	-20 1 9.10	-0.021	15	0.33	12.275	16	33.6	-59.76	16	33.6	G5 J	13A	8766	A -20 5936
97		8.8R	24 17.799	-0.0003	18	-24 31 17.87	-0.076	18	0.34	17.804	16	33.6	16.63	16	33.6	GO J	14	14187	E -2416041
98		8.5R	24 17.994	0.0042	15	-27 36 38.65	-0.013	15	0.29	17.926	16	33.6	38.44	16	33.6	GO J	13B	13460	J -2714806
99		9.1R	24 19.709	0.0030	18	-22 8 41.92	0.003	18	0.34	19.660	16	33.6	41.96	16	33.6	A2 J	14	14188	E -2214717
00		8.9R	24 22.946	0.0039	17	-28 39 52.92	0.086	17	0.31	22.883	16	33.6	54.33	16	33.6	G5 J	13B	13461	J -2816674

189300			EPOCH 1950								ORIGINAL EPOCH						SP.	SOURCE		-20° 20H
NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	σ'_μ ″.001	σ_{1950} ″	α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.		CAT.	STAR NUMBER	DM NUMBER
1		8.5R	20 24 23.541	0.0026	18	-27 7 26.27	-0.016	18	0.34	23.498	16	33.6	26.02	16	33.6	KO J	13B	13463	J -2714608
2		7.2T	24 25.134	0.0001	11	-28 58 46.22	0.002	10	0.57	25.131	15	98.5	46.34	18	94.9	F5	GC	28441	C -2917081
3		9.1R	24 28.790	-0.0012	17	-29 52 26.41	-0.011	17	0.31	28.810	16	33.6	26.23	16	33.6	GO J	13B	13464	J -3017917
4		8.5R	24 34.368	0.0012	18	-26 22 7.42	-0.007	18	0.34	34.368	16	33.6	7.31	16	33.6	F2 J	14	14189	E -2615026
5		9.0R	24 40.002	-0.0007	15	-25 44 33.61	-0.000	15	0.29	40.014	16	33.6	33.80	16	33.6	K2 J	14	14190	E -2514785
6		9.4R	24 45.122	0.0025	18	-24 5 12.76	-0.005	18	0.34	45.082	16	33.6	12.68	16	33.6	KO M	14	14191	E -2416047
7		9.2R	24 47.775	0.0022	15	-22 11 20.57	-0.022	15	0.29	47.740	16	33.6	20.21	16	33.6	KO J	14	14192	E -2214721
8		7.1I	24 52.534	0.0009	10	-28 25 39.22	0.003	09	0.56	52.485	18	97.2	39.41	18	93.5	M6E	GC	28448V	C*-2816682
9		6.6T	25 1.576	0.0016	06	-25 46 22.13	0.036	06	0.26	1.512	07	09.4	23.64	07	08.5	F8	GC	28451	C -2615036
10		7.4T	25 1.765	-0.0018	11	-29 32 24.17	-0.023	10	0.58	1.860	18	97.8	22.92	18	95.5	KO	GC	28452	C -2917089
11		9.1R	25 5.270	-0.0001	20	-29 34 24.42	-0.028	20	0.36	5.271	16	33.6	23.97	16	33.6		13B	13472	J -2917090
12		9.0R	25 8.627	0.0010	18	-25 15 23.53	-0.004	18	0.34	8.611	16	33.6	23.47	16	33.6	KO J	14	14194	E -2514792
13		8.4R	25 9.704	0.0012	18	-22 11 20.72	-0.028	18	0.34	9.684	16	33.6	20.26	16	33.6	A0 J	14	14195	E -2214725
14		9.0A	25 10.407	0.0022	20	-20 28 14.88	-0.029	15	0.33	10.371	16	33.6	14.41	16	33.6	A5 J	13A	8774	A -20 5941
15		9.4R	25 11.575	-0.0009	18	-23 57 32.06	0.047	18	0.34	11.578	16	33.6	32.83	16	33.6	K5 M	14	14196	E -2416050
16		7.5R	25 12.150	0.0014	18	-23 10 46.71	0.061	18	0.34	12.126	16	33.6	49.51	16	33.6	K5 J	14	14197	E -2316259
17		8.4R	25 17.427	0.0006	18	-23 53 42.99	-0.008	18	0.34	17.418	16	33.6	42.86	16	33.6	KO J	14	14198	E -2416052
18		8.1R	25 23.347	0.0014	18	-27 26 42.16	-0.036	18	0.34	23.323	16	33.6	41.57	16	33.6	K2 J	13B	13476	J -2714819
19		9.5R	25 25.653	-0.0000	18	-23 42 49.60	0.039	18	0.34	25.654	16	33.6	50.24	16	33.6		14	14199	E -2316262
20		8.8A	25 27.223	-0.0016	20	-20 31 39.65	-0.033	15	0.33	27.248	16	33.6	39.11	16	33.6	KO J	13A	8776	A -20 5942
21		6.9T	25 31.326	0.0045	08	-24 19 42.17	-0.099	07	0.51	31.058	17	90.9	35.88	15	86.5	GO	GC	28463	C -2416056
22		9.3R	25 31.780	-0.0019	18	-22 50 21.61	-0.007	18	0.34	31.811	16	33.6	21.50	16	33.6	F5 M	14	14202	E -2316255
23		9.0A	25 34.527	0.0024	20	-20 44 48.34	-0.011	15	0.33	34.488	16	33.6	48.15	16	33.6	A3 J	13A	8777	A -21 5723
24		8.8R	25 35.324	-0.0020	15	-26 4 41.56	0.013	15	0.29	35.356	16	33.6	41.78	16	33.6	F8 J	14	14201	E -2615040
25		9.2R	25 36.318	-0.0009	17	-29 7 50.99	0.016	17	0.31	36.332	16	33.6	51.25	16	33.6		13B	13478	J -2917095
26		9.1A	25 37.767	-0.0021	18	-21 17 41.75	-0.008	13	0.30	37.801	16	33.6	41.62	16	33.6	F2 J	13A	8779	A -21 5724
27		9.0R	25 38.444	0.0003	15	-26 25 47.60	-0.046	15	0.29	38.439	16	33.6	46.85	16	33.6	G5 J	14	14203	E -2615041
28		9.2R	25 44.700	-0.0028	20	-26 28 1.96	-0.010	20	0.36	44.746	16	33.6	1.80	16	33.6	K M	14	14204	E -2615044
29		9.0R	25 44.732	-0.0010	20	-27 15 28.53	-0.020	20	0.36	44.749	16	33.6	28.21	16	33.6	KO M	13B	13479	J -2714824
30		6.9T	25 46.535	0.0000	07	-24 8 59.01	-0.043	06	0.36	46.534	09	99.4	56.61	10	94.2	KO	GC	28471	C -2416058
31		9.2R	25 53.487	-0.0035	18	-22 27 52.83	0.031	18	0.34	53.544	16	33.6	53.33	16	33.6	G0 J	14	14207	E -2214735
32		8.7R	25 54.849	0.0016	20	-26 19 50.45	0.037	20	0.36	54.823	16	33.6	51.06	16	33.6	KO J	14	14206	E -2615049
33		8.9R	26 0.655	-0.0008	21	-23 49 51.48	-0.008	21	0.38	0.669	16	33.6	51.35	16	33.6	F5 J	14	14209	E -2416061
34		9.4R	26 5.789	0.0089	20	-26 21 29.95	0.010	20	0.36	5.692	16	33.6	30.11	16	33.6		14	14210	E -2615052
35		6.8T	26 5.992	0.0004	09	-21 4 6.73	0.009	10	0.48	5.973	09	00.4	7.17	10	99.3	A0	GC	28486	-21 5729
36		9.0R	26 7.859	0.0078	17	-29 33 32.36	-0.032	17	0.31	7.732	16	33.6	31.84	16	33.6	G5 J	13B	13481	J -2917103
37		9.4R	26 9.376	0.0028	18	-23 17 49.86	0.042	18	0.34	9.330	16	33.6	50.57	16	33.6	K M	14	14211	E -2316273
38		9.2R	26 11.280	-0.0032	22	-24 32 45.17	0.021	22	0.40	11.332	16	33.6	45.51	16	33.6	K5 M	14	14212	E -2416063
39		9.0R	26 11.335	0.0062	20	-29 0 24.77	-0.048	20	0.36	11.233	16	33.6	23.99	16	33.6	F2 J	13B	13483	J -2917104
40		9.3R	26 15.720	0.0035	20	-28 0 3.22	0.033	20	0.36	15.663	16	33.6	3.76	16	33.6	G0 M	13B	13484	J -2816698
41		9.3R	26 15.982	-0.0009	18	-25 19 31.22	-0.023	18	0.34	15.997	16	33.6	30.85	16	33.6	KO J	14	14213	E -2514806
42		8.4R	26 20.578	-0.0011	20	-26 44 31.77	-0.045	20	0.36	20.596	16	33.6	31.04	16	33.6	A0 J	14	14214	E -2615056
43		8.6R	26 31.496	0.0078	20	-26 56 30.37	-0.091	20	0.36	31.368	16	33.6	28.88	16	33.6	G0 J	13B	13488	J -2714837
44		8.9R	26 34.699	-0.0059	20	-28 7 24.73	0.030	20	0.36	34.795	16	33.6	25.23	16	33.6	G5 J	13B	13489	J -2816702
45		6.2T	26 35.465	0.0009	03	-22 33 31.36	-0.024	04	0.17	35.423	06	05.0	30.28	06	04.4	K5	GC	28496	B*-22 5442
46		9.3R	26 37.993	0.0012	18	-22 37 4.10	-0.049	18	0.34	37.973	16	33.6	3.30	16	33.6	G5 M	14	14216	E -2214747
47		8.4R	26 39.719	0.0051	21	-29 11 38.35	-0.001	21	0.38	39.636	16	33.6	38.34	16	33.6	KO J	13B	13490	J -2917110
48		7.6R	26 41.429	-0.0005	18	-23 0 46.83	-0.009	18	0.34	41.436	16	33.6	46.69	16	33.6	KO J	14	14217	E -2316281
49		9.0A	26 42.384	0.0020	20	-21 17 38.15	-0.014	15	0.33	42.351	16	33.6	37.92	16	33.6	KO	13A	8785	A -21 5735
50		9.4R	26 45.565	-0.0011	18	-22 29 44.32	-0.012	18	0.34	45.583	16	33.6	44.12	16	33.6	K M	14	14219	E -2214748
51		8.7R	20 26 46.969	0.0037	20	-25 36 36.60	0.049	20	0.36	46.908	16	33.6	37.39	16	33.6	KO J	14	14218	E -2514814
52		9.4R	26 50.709	-0.0001	18	-23 31 37.84	0.024	18	0.34	50.711	16	33.6	38.23	16	33.6	G5 M	14	14220	E -2316282
53		9.1R	26 51.674	-0.0022	18	-22 48 45.44	0.011	18	0.34	51.710	16	33.6	45.63	16	33.6	A0 J	14	14222	E -2316283
54		9.1R	26 51.969	0.0014	18	-22 45 9.39	0.028	18	0.34	51.946	16	33.6	9.85	16	33.6		14	14223	E -2214750
55		8.5R	26 53.786	0.0042	20	-25 57 7.07	-0.090	20	0.36	53.718	16	33.6	5.60	16	33.6	G0 J	14	14221	E -2615063
56		9.0R	27 0.294	0.0027	18	-23 22 15.32	0.000	18	0.34	0.250	16	33.6	15.33	16	33.6	F0 J	14	14225	E -2316285
57		8.6R	27 2.901	0.0001	20	-26 31 48.11	0.008	20	0.36	2.899	16	33.6	48.25	16	33.6	KO J	14	14224	E -2615064
58		9.1A	27 8.458	0.0028	20	-21 25 30.63	-0.027	15	0.33	8.412	16	33.6	30.18	16	33.6	KO J	13A	8790	A -21 5737
59		9.5R	27 8.552	0.0015	18	-21 59 44.26	0.025	18	0.34	8.528	16	33.6	44.67	16	33.6	KO J	14	14227	E -2214751
60		8.5R	27 11.841	0.0029	18	-22 40 32.38	-0.026	18	0.34	11.794	16	33.6	31.96	16	33.6	KO J	14	14228	E -2214753
61		9.5R	27 20.776	-0.0032	15	-23 35 41.39	0.009	15	0.29	20.829	16	33.6	41.54	16	33.6		14	14229	E -2316292
62		8.7A	27 28.535	0.0027	20	-20 26 52.40	-0.011	15	0.33	28.490	16	33.6	52.22	16	33.6	K2 J	13A	8792	A -20 5955
63		8.8R	27 29.277	0.0041	20	-27 9 32.66	-0.034	20	0.36	29.210	16	33.6	32.11	16	33.6	M0 M	13B	13493	J -2714847
64		9.5R	27 31.173	0.0022	18	-24 16 40.30	0.011	18	0.34	31.136	16	33.6	40.48	16	33.6		14	14230	E -2416078
65		9.2R	27 31.666	0.0011	18	-21 49 20.14	0.031	18	0.34	31.647	16	33.6	20.64	16	33.6	F0 J	14	14231	E -2214757
66		9.1R	27 37.074	0.0000	15	-25 43 43.38	-0.000	15	0.29	37.074	16	33.6	43.37	16	33.6	K2 J	14	14232	E -2514823
67		8.9A	27 39.409	-0.0008	15	-20 5 18.71	-0.015	11	0.25	39.422	16	33.6	18.47	16	33.6	G5 J	13A	8794	A -20 5956
68		8.0R	27 40.509	0.0022	12	-29 51 34.15	-0.005	12	0.25	40.472	16	33.6	34.07	16	33.6	A3 J	13B	13495	J -3017956
69		9.0R	27 41.678	-0.0003	15	-25 40 15.41	0.019	15	0.29	41.682	16	33.6	15.73	16	33.6	KO J	14	14233	E -2514825
70		7.1T	27 47.065	0.0001	14	-25 52 41.27	-0.011	12	0.65	47.062	18	03.5	40.73	18	02.4	K0	GC	28520	-21 5738
71		9.3R	27 49.585	-0.0024	20	-29 44 51.29	-0.005	20	0.36	49.625	16	33.6	51.21	16	33.6		13B	13496	J -2917120
72		9.1R	27 51.693	0.0050	20	-29 21 33.26	-0.006	20	0.36	51.611	16	33.6	33.16	16	33.6		13B	13497	J -2917121
73		9.2R	27 52.688	-0.0002	15	-22 38 54.54	0.024	15	0.29	52.691	16	33.6	54.94	16	33.6	F5 J	14	14234	E -2214761
74		6.1T	27 53.236	0.0012	06	-29 16 53.29	0.005	07	0.40	53.158	10	87.9	53.60	14	90.9	A5	GC	28524	C -2917122
75		9.2R	27 56.473	0.0002	15	-25 35 12.10	-0.016	15	0.29	56.470	16	33.6	11.84	16	33.6	KO J	14	14235	E -2514830
76		8.7R	27 57.294	0.0010	20	-27 8 40.53	-0.006	20	0.36	57.277	16	33.6	40.44	16	33.6	A0 J	13B	13500	J -2714853
77		8.8R	27 59.033	0.0009	18	-22 32 13.39	0.004	18	0.34	59.018	16	33.6	13.46	16	33.6	K2 J	14	14237	E -2214762
78		9.1R	27 59.217	0.0044	18	-22 17 9.72	-0.010	18	0.34	59.145	16	33.6	9.55	16	33.6	G0 J	14	14238	E -2214763
79		9.0R	28 1.760	0.0016	15	-26 15 18.64	-0.092	15	0.29	1.734	16	33.6	17.14	16	33.6	G0 J	14	14236	E -2615071
80		9.2R	28 4.243	0.0081	18	-22 13 21.11	-0.022	18	0.34	4.111	16	33.6	20.75	16	33.6	G0 J	14	14239	E -2214765
81		8.7R	28 10.723	-0.0011	18	-23 47 55.84	0.010	18	0.34	10.741	16	33.6	56.00	16	33.6	K2 J	14	14240	E -2416083
82		8.9R	28 14.449	0.0007	17	-28 35 44.25	-0.057	17	0.31	14.439	16	33.6	43.32	16	33.6	G0 J	13B	13501	J -2816720
83		9.1R	28 17.995	-0.0007	15	-25 11 44.28	-0.017	15	0.29	18.007	16	33.6	44.00	16	33.6	K2 J	14	14241	E -2514839
84		9.1R	28 21.424	0.0035	17	-28 55 25.79	-0.010	17	0.31	21.367	16	33.6	25.63	16	33.6	G5 M	13B	13502	J -2917127
85		8.2R	28 22.906	0.0037	20	-27 55 3.97	-0.005	20	0.36	22.845	16	33.6	3.89	16	33.6	A0 J	13B	13503	J -2816722
86		9.0R	28 27.571	0.0002	12	-25 11 52.42	-0.017	12	0.25	27.567	16	33.6	52.15	16	33.6	F8 J	14	14242	E -2514840
87		9.2R	28 30.674	0.0016	20	-28 10 9.77	-0.041	20	0.36	30.849	16	33.6	9.10	16	33.6	F8 J	13B	13504	J -2816727
88		9.1R	28 40.186	0.0011	20	-29 6 46.50	0.006	20	0.36	40.169	16	33.6	46.60	16	33.6	K0 M	13B	13506	J -2917131
89		8.2R	28 43.151	0.0008	15	-22 53 44.92	0.015	15	0.29	43.138	16	33.6	45.17	16	33.6	K5 J	14	14243	E -2316305
90		9.1R	28 43.274	0.0011	20	-28 25 42.93	0.011	20	0.36	43.256	16	33.6	43.12	16	33.6		13B	13507	J -2816731
91		8.4R	28 43.278	0.0004	15	-22 40 24.85	0.024	15	0.29	43.271	16	33.6	25.25	16	33.6	G5 J	14	14244	E -2214774
92		7.3R	28 43.888	0.0019	17	-28 14 34.36	0.006	17	0.31	43.858	16	33.6	34.46	16	33.6	G5 J	13B	13508	J -2816732
93		9.0R	28 47.837	0.0010	18	-23 23 18.22	-0.041	18	0.34	47.821	16	33.6	17.56	16	33.6	K M	14	14245	E -2316306
94		9.2R	28 48.201	0.0032	20	-28 27 16.82	0.003	20	0.36	48.150	16	33.6	16.87	16	33.6	G M	13B	13510	J -2816733
95		9.1R	28 50.405	-0.0011	15	-27 4 48.50	0.039	15	0.29	50.423	16	33.6	49.14	16	33.6	G0 J	13B	13511	J -2714861
96		8.6R	28 52.533	0.0009	15	-25 10 6.34	0.007	15	0.29	52.518	16	33.6	6.46	16	33.6	KO J	14	14246	E -2514845
97		9.2R	28 52.691	0.0017	18	-22 12 7.68	0.042	18	0.34	52.663	16	33.6	8.36	16	33.6	F2 J	14	14247	E -2214777
98		9.1R	28 59.257	-0.0021	20	-22 43 8.60	-0.023	20	0.36	59.290	16	33.6	8.23	16	33.6	K M	14	14248	E -2214778
99		9.3R	29 4.190	0.0023	20	-22 45 3.34	0.001	20	0.36	4.153	16	33.6	3.36	16	33.6	K M	14	14249	E -2214781
00		9.1R	29 6.389	0.0032	20	-27 2 22.47	-0.001	20	0.36	6.337	16	33.6	22.46	16	33.6	K5 J	13B	13513	J -2714864

189400

EPOCH 1950 — ORIGINAL EPOCH — SOURCE — -20° 20H

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	σ'_μ ″.001	σ_{1950} ″	α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	CAT.	STAR NUMBER	DM NUMBER
1		8.9R	20 29 12.075	-0.0003	18	-23 19 44.51	-0.010	18	0.34	12.080	16	33.6	44.35	16	33.6	K0 J	14	14250	E -2316312
2		9.2R	29 17.219	-0.0019	18	-24 14 15.72	-0.011	18	0.34	17.188	16	33.6	15.90	16	33.6	B5 J	14	14251	E -2416098
3		7.8T	29 17.937	-0.0019	08	-22 19 29.79	0.018	07	0.47	17.829	15	93.5	30.84	14	91.2	F0	GC	28552	-22 5457
4		8.4R	29 19.030	-0.0014	17	-28 46 20.23	-0.007	17	0.31	19.053	16	33.6	20.12	16	33.6	K0 J	13B	13515	J -2917138
5		8.4T	29 20.095	0.0013	09	-22 19 56.02	0.002	07	0.48	20.021	15	93.9	56.13	14	91.4	F0	GC	28555	-22 5458
6		7.1T	29 20.554	0.0019	07	-25 2 26.24	0.008	07	0.43	20.444	14	90.9	26.73	14	89.7	K2	GC	28557	C -2514851
7		9.5R	29 24.988	-0.0011	18	-24 22 3.92	-0.012	18	0.34	25.005	16	33.6	4.12	16	33.6	G0 M	14	14255	E -2416099
8		8.8R	29 28.046	0.0023	12	-28 53 7.98	-0.025	12	0.25	28.009	16	33.6	7.57	16	33.6	K0 J	13B	13516	J -2917139
9		9.4R	29 29.406	-0.0030	18	-21 56 42.71	-0.033	18	0.34	29.454	16	33.6	42.16	16	33.6	G M	14	14258	E -2214786
10		8.9R	29 30.447	-0.0000	15	-24 8 11.65	0.015	15	0.29	30.448	16	33.6	11.89	16	33.6	A0 J	14	14256	E -2416101
11		9.0R	29 34.161	0.0003	18	-26 0 54.40	-0.017	18	0.34	34.156	16	33.6	54.11	16	33.6	K2 J	14	14257	E -2615089
12		9.5R	29 38.687	-0.0011	20	-26 48 54.89	-0.008	20	0.36	38.704	16	33.6	54.77	16	33.6	F2 J	14	14259	E -2714871
13		7.0T	29 39.649	0.0036	09	-28 45 57.18	-0.002	09	0.55	39.446	17	94.2	57.07	17	91.8	A0	GC	28564	C*-2917144
14		9.0A	29 41.250	-0.0009	20	-20 8 19.75	-0.084	15	0.33	41.265	16	33.6	18.37	16	33.6	G5 J	13A	8806	A -20 5963
15		8.9A	29 53.835	0.0001	20	-20 14 24.96	-0.014	15	0.33	53.833	16	33.6	24.73	16	33.6	K0 J	13A	8807	A -20 5966
16		6.2T	29 53.900	0.0008	03	-25 6 50.57	-0.039	03	0.17	53.863	06	01.0	48.60	06	99.2	A0	GC	28573	C -2514854
17		9.4R	30 0.527	0.0080	17	-29 45 8.24	-0.029	17	0.31	0.395	16	33.6	7.76	16	33.6	G M	13B	13524	J -2917150
18		9.1R	30 9.993	0.0000	12	-25 9 41.21	-0.008	12	0.25	9.993	16	33.6	41.08	16	33.6	K5 M	14	14261	E -2514855
19		9.7R	30 10.008	0.0035	18	-24 27 29.32	-0.004	18	0.34	9.951	16	33.6	29.25	16	33.6		14	14262	E -2416104
20		9.3R	30 15.208	0.0012	15	-23 21 53.43	-0.026	15	0.29	15.188	16	33.6	53.01	16	33.6	F8 J	14	14263	E -2316324
21		8.9R	30 26.356	0.0003	20	-26 53 36.31	0.016	20	0.36	26.352	16	33.6	36.58	16	33.6	A3 J	13B	13526	J -2714880
22		8.8A	30 31.857	-0.0005	20	-21 35 48.66	-0.007	15	0.33	31.865	16	33.6	48.54	16	33.6	K0 J	13A	8808	A -21 5751
23		8.9A	30 32.029	-0.0011	15	-21 4 6.32	0.002	11	0.26	32.047	16	33.6	6.35	16	33.6	A5 J	13A	8810	A -21 5752
24		9.0R	30 32.733	0.0007	18	-25 59 58.90	-0.019	18	0.34	32.721	16	33.6	58.60	16	33.6	K0 J	14	14265	E -2615101
25		7.4T	30 35.929	-0.0051	09	-22 24 8.72	-0.052	07	0.46	36.207	15	95.4	5.70	14	92.2	F8	GC	28590K	-22 5464
26		9.1R	30 36.983	0.0030	20	-27 14 10.73	0.080	20	0.36	36.933	16	33.6	12.05	16	33.6	G0 J	13B	13528	J -2714881
27		9.0R	30 39.896	-0.0015	15	-25 32 4.89	0.005	15	0.29	39.920	16	33.6	4.96	16	33.6	F2 J	14	14267	E -2514864
28		9.3R	30 40.175	0.0046	18	-23 49 21.63	-0.018	18	0.34	40.100	16	33.6	21.33	16	33.6	G0 J	14	14268	E -2416112
29		9.2A	30 40.369	-0.0022	20	-21 25 36.80	0.002	15	0.33	40.404	16	33.6	36.83	16	33.6	F5 J	13A	8812	A -21 5753
30		6.9T	30 45.923	0.0050	10	-29 27 51.77	-0.006	10	0.53	45.666	15	98.4	51.46	17	96.3	A3	GC	28592	C*-2917159
31		9.3R	30 48.670	-0.0007	20	-26 26 20.71	0.009	20	0.36	48.681	16	33.6	20.85	16	33.6	F8 J	14	14269	E -2615104
32		9.1R	30 52.160	0.0075	20	-27 20 32.11	-0.099	20	0.36	52.038	16	33.6	30.50	16	33.6	G5 J	13B	13531	J -2714884
33		8.4R	30 52.170	0.0019	15	-24 49 52.09	0.018	15	0.29	52.139	16	33.6	52.39	16	33.6	K2 J	14	14270	E -2514869
34		9.1R	30 55.672	0.0014	20	-26 50 33.51	0.016	20	0.36	55.649	16	33.6	33.78	16	33.6	G5 J	13B	13532	J -2714886
35		9.1R	30 57.038	-0.0010	20	-27 16 19.63	-0.038	20	0.36	57.054	16	33.6	19.02	16	33.6	F8 J	13B	13534	J -2714887
36		9.2R	30 58.241	-0.0004	17	-28 49 43.60	0.012	17	0.31	58.248	16	33.6	43.80	16	33.6		13B	13533	J -2917160
37		8.5A	31 0.744	0.0006	20	-20 42 36.69	-0.030	15	0.33	0.733	16	33.6	36.18	16	33.6	K0 J	13A	8814	A -21 5754
38		9.1R	31 3.050	0.0015	17	-28 54 16.25	-0.019	17	0.31	3.026	16	33.6	15.94	16	33.6	K M	13B	13535	J -2917161
39		8.4R	31 4.705	-0.0011	21	-29 17 15.20	0.003	21	0.38	4.722	16	33.6	15.25	16	33.6	K0 J	13B	13537	J -2917162
40		9.0R	31 5.134	0.0058	21	-29 50 32.84	-0.104	21	0.38	5.038	16	33.6	31.14	16	33.6	G5 J	13B	13536	J -3018007
41		8.1R	31 11.101	0.0019	18	-23 25 18.56	-0.008	18	0.34	11.070	16	33.6	18.44	16	33.6	M2 M	14	14273	E -2316334
42		8.6R	31 13.049	0.0058	12	-26 23 31.15	0.066	12	0.25	12.954	16	33.6	32.24	16	33.6	F8 J	14	14271	E -2615106
43		9.2R	31 13.460	-0.0029	20	-25 49 1.84	-0.013	20	0.36	13.507	16	33.6	1.62	16	33.6	K0 J	14	14272	E -2615108
44		9.0R	31 13.882	0.0016	20	-25 12 47.60	-0.021	20	0.36	13.857	16	33.6	47.26	16	33.6	K2 J	14	14275	E -2514871
45		9.0R	31 28.185	-0.0011	18	-22 21 44.87	0.021	18	0.34	28.203	16	33.6	45.21	16	33.6	K0 J	14	14276	E -2214819
46		9.5R	31 30.366	0.0019	18	-23 16 16.88	-0.085	18	0.34	30.334	16	33.6	15.49	16	33.6		14	14277	E -2316336
47		9.3A	31 37.917	0.0004	20	-20 17 59.68	0.012	15	0.33	37.910	16	33.6	59.88	16	33.6	G0 J	13A	8817K	A -20 5973
48		9.0R	31 41.521	0.0031	20	-29 43 1.57	-0.074	20	0.36	41.470	16	33.6	0.36	16	33.6	A3 J	13B	13540	J -2917172
49		7.5R	31 44.281	0.0032	20	-27 24 13.21	-0.064	20	0.36	44.229	16	33.6	13.15	16	33.6	K0 J	13B	13542	J -2714896
50		9.3R	31 48.813	-0.0057	15	-25 10 20.03	-0.040	15	0.29	48.907	16	33.6	19.38	16	33.6	K M	14	14278	E -2514878
51		8.8T	20 31 51.507	0.0025	17	-28 45 54.00	-0.019	20	0.87	51.390	22	03.0	53.16	21	04.9	G5	GC	28625	C -2917174
52		9.4R	31 55.874	0.0046	18	-22 57 26.21	0.003	18	0.34	55.799	16	33.6	26.27	16	33.6		14	14279	E -2316344
53		9.3R	32 1.351	0.0053	18	-23 2 32.43	0.010	18	0.34	1.265	16	33.6	32.60	16	33.6	G0 J	14	14280	E -2316346
54		8.9R	32 4.922	-0.0004	18	-22 55 49.59	-0.003	18	0.34	4.928	16	33.6	49.55	16	33.6	K0 J	14	14281	E -2316348
55		9.0R	32 9.223	-0.0021	18	-22 45 52.28	0.013	18	0.34	9.258	16	33.6	52.50	16	33.6	K0 J	14	14283	E -2316350
56		9.1A	32 11.409	0.0006	18	-20 19 22.37	-0.019	13	0.30	11.399	16	33.6	22.06	16	33.6	K2 J	13A	8818	A -20 5975
57		8.5R	32 11.768	-0.0003	12	-25 39 14.99	0.024	12	0.25	11.773	16	33.6	15.38	16	33.6	G5 J	14	14282	E -2514883
58		9.3R	32 18.974	0.0009	18	-25 19 22.68	-0.027	18	0.34	18.959	16	33.6	22.24	16	33.6	F8 J	14	14284	E -2514887
59		9.3R	32 21.099	-0.0042	15	-21 49 45.17	-0.067	20	0.33	21.167	16	33.6	44.07	16	33.6	F5 M	14	14287	E -2214833
60		9.2R	32 21.337	-0.0022	18	-21 59 39.13	0.013	18	0.34	21.372	16	33.6	39.34	16	33.6	F0 J	14	14286	E -2214832
61		9.2R	32 22.966	-0.0005	15	-24 28 50.47	0.004	15	0.29	22.974	16	33.6	50.53	16	33.6		14	14285	E -2416129
62		8.8R	32 27.258	0.0022	20	-27 31 32.62	-0.017	20	0.36	27.222	16	33.6	32.34	16	33.6	K0 J	13B	13550	J -2714903
63		9.0R	32 27.711	-0.0009	20	-29 32 38.31	-0.011	20	0.36	27.726	16	33.6	38.13	16	33.6	K M	13B	13549	J -2917181
64		9.1A	32 30.867	0.0014	20	-20 47 21.23	0.002	15	0.33	30.844	16	33.6	21.27	16	33.6	K5 J	13A	8821	A -21 5761
65		9.4R	32 31.072	-0.0010	15	-24 27 46.85	0.036	15	0.29	31.088	16	33.6	47.43	16	33.6		14	14288	E -2416130
66		8.5R	32 31.565	0.0039	20	-28 9 18.86	0.048	20	0.36	31.502	16	33.6	19.65	16	33.6	G0 J	13B	13555	J -2816774
67		8.5R	32 31.854	0.0000	18	-23 42 33.52	0.001	18	0.34	31.853	16	33.6	33.53	16	33.6	G5 J	14	14289	E -2316356
68		9.0R	32 37.733	0.0000	18	-24 4 10.08	0.015	18	0.34	37.732	16	33.6	10.32	16	33.6	K0 J	14	14290	E -2416131
69		7.6R	32 51.413	0.0005	18	-24 32 50.07	0.009	18	0.34	51.404	16	33.6	50.22	16	33.6	K0 J	14	14291	E -2416134
70		9.1R	32 53.053	-0.0013	18	-23 42 30.21	-0.048	18	0.34	53.074	16	33.6	29.42	16	33.6	A5 J	14	14292	E -2316360
71		7.0T	32 53.851	0.0070	09	-26 56 50.51	0.028	08	0.51	53.463	15	94.9	52.18	17	91.4	F5	GC	28658	C -2714911
72		9.3R	32 55.916	-0.0019	20	-23 54 12.61	0.034	20	0.36	55.948	16	33.6	13.16	16	33.6		14	14293	E -2416137
73		9.2R	33 6.134	-0.0053	20	-22 15 44.71	-0.000	20	0.36	6.220	16	33.6	44.70	16	33.6	F5 J	14	14294	E -2214843
74		9.0R	33 10.350	0.0009	18	-21 49 3.72	0.023	18	0.34	10.335	16	33.6	4.09	16	33.6	K7 J	14	14297	E -2214846
75		9.5R	33 10.431	-0.0027	18	-23 46 57.16	-0.006	18	0.34	10.474	16	33.6	57.06	16	33.6		14	14295	E -2416138
76		9.4R	33 10.603	0.0022	15	-22 13 55.01	-0.020	15	0.29	10.568	16	33.6	54.68	16	33.6	G0 J	14	14296	E -2214845
77		9.1R	33 13.099	0.0021	20	-28 44 21.39	0.033	20	0.36	13.064	16	33.6	21.93	16	33.6	K M	13B	13562	J -2816781
78		9.1R	33 15.095	0.0019	20	-27 3 45.06	-0.024	20	0.36	15.064	16	33.6	44.68	16	33.6		13B	13564	J -2714913
79		9.0R	33 18.370	-0.0005	20	-28 39 39.07	-0.045	20	0.36	18.378	16	33.6	38.33	16	33.6	K2 J	13B	13565	J -2816784
80		8.8A	33 26.906	0.0014	18	-21 9 14.58	-0.073	13	0.30	26.883	16	33.6	13.39	16	33.6	G0 J	13A	8830	A -21 5767
81		8.7R	33 28.002	0.0004	18	-22 53 7.39	0.000	18	0.34	27.995	16	33.6	7.40	16	33.6	K0 J	14	14299	E -2316370
82		9.1R	33 30.767	-0.0047	20	-28 23 16.17	-0.090	20	0.36	30.843	16	33.6	14.70	16	33.6		13B	13568	J -2816788
83		8.7R	33 31.552	0.0023	18	-26 42 56.44	-0.006	18	0.34	31.514	16	33.6	56.35	16	33.6	A3 J	14	14298	E -2615133
84		7.3T	33 32.991	0.0010	08	-20 45 33.88	-0.005	07	0.37	32.943	09	01.3	33.60	10	99.1	K0	GC	28674	-21 5768
85		9.1R	33 36.464	-0.0000	18	-24 22 5.50	0.010	18	0.34	36.465	16	33.6	5.66	16	33.6	K2 J	14	14300	E -2416145
86		9.1R	33 44.528	-0.0011	18	-25 53 24.90	0.002	18	0.34	44.546	16	33.6	24.93	16	33.6	K M	14	14301	E -2615137
87		9.1R	33 45.904	0.0005	20	-28 12 46.22	0.019	20	0.36	45.895	16	33.6	46.53	16	33.6	F8 J	13B	13570	J -2816790
88		9.0A	33 50.373	0.0023	20	-20 0 11.90	-0.029	15	0.33	50.335	16	33.6	11.43	16	33.6	K0 J	13A	8832	A -20 5984
89		8.4R	33 52.443	0.0017	18	-25 48 39.71	-0.013	18	0.34	52.415	16	33.6	39.49	16	33.6	K2 J	14	14303	E -2615139
90		8.7R	34 1.303	0.0043	18	-27 11 11.67	-0.077	18	0.34	1.233	16	33.6	10.42	16	33.6	F8 J	13B	13573	J -2714920
91		8.7A	34 6.160	0.0007	20	-20 44 21.88	-0.013	15	0.33	6.148	16	33.6	21.66	16	33.6	A0 J	13A	8834	A -21 5773
92		8.0T	34 13.324	0.0042	14	-28 53 17.00	-0.037	18	0.80	13.122	22	01.8	15.30	22	03.7	K2	GC	28689	C -2917199
93		9.4R	34 22.135	0.0012	18	-23 7 46.56	0.004	18	0.34	22.115	16	33.6	46.63	16	33.6		14	14304	E -2316376
94		9.2R	34 25.667	-0.0000	17	-29 31 16.75	-0.001	17	0.31	25.668	16	33.6	16.74	16	33.6	G0 J	13B	13576	J -2917202
95		9.1R	34 25.885	-0.0002	17	-28 27 7.71	-0.052	17	0.31	25.887	16	33.6	6.86	16	33.6		13B	13577	J -2816800
96		8.8A	34 29.811	0.0003	20	-20 1 26.57	0.002	15	0.33	29.806	16	33.6	26.61	16	33.6	A3 J	13A	8835	A -20 5986
97		8.6A	34 41.728	-0.0043	20	-21 30 37.71	0.018	15	0.33	41.799	16	33.6	38.00	16	33.6	F5 J	13A	8839	A -21 5776
98		8.8R	34 43.074	0.0013	15	-24 32 53.44	-0.011	15	0.29	43.053	16	33.6	53.26	16	33.6	A0 J	14	14306	E -2416156
99		9.2T	34 44.924	0.0035	17	-29 0 4.11	0.026	18	0.85	44.762	22	03.4	5.33	22	03.6	K0	GC	28698	C -2917209
00		9.3R	34 45.463	-0.0006	12	-24 46 29.04	0.051	12	0.25	45.474	16	33.6	29.88	16	33.6	G0 J	14	14307	E -2514917

189500

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.		SOURCE CAT.	STAR NUMBER	DM NUMBER
1		8.7R	20 34 47.855	0.0007	18	-26 36 17.22	-0.055	18	0.34	47.844	16	33.6	16.33	16	33.6	K2	J	14	14308	E -2615151
2		7.1T	34 48.147	-0.0017	09	-22 37 6.87	0.012	07	0.37	48.232	09	98.5	7.53	10	96.1	F5		GC	28659	-22 5484
3		6.3T	34 53.731	0.0048	08	-25 17 4.13	0.001	07	0.40	53.488	12	99.4	4.20	12	95.4	F0		GC	28700	C*-2514920
4		9.1R	34 55.473	0.0013	20	-28 41 49.17	0.032	20	0.36	55.451	16	33.6	49.70	16	33.6			13B	13541	J -2816804
5		9.4R	35 0.476	0.0031	17	-28 59 40.16	-0.022	17	0.31	0.426	16	33.6	39.85	16	33.6			13B	13582	J -2917212
6		9.2R	35 1.685	-0.0006	18	-21 55 17.80	-0.007	18	0.34	1.695	16	33.6	17.68	16	33.6	K2	J	14	14311	E -2214862
7		9.0R	35 3.084	0.0001	20	-27 58 44.25	-0.012	20	0.36	3.081	16	33.6	44.06	16	33.6	K2	J	13B	13585	J -2816807
8		9.3R	35 6.002	0.0015	15	-23 50 49.66	-0.028	15	0.29	5.981	16	33.6	49.19	16	33.6	G	M	14	14312	E -2416160
9		6.7T	35 7.518	0.0037	08	-24 24 14.99	-0.004	08	0.44	7.315	12	95.4	14.75	10	94.5	A3		GC	28705	C*-2416161
10		8.8R	35 7.724	-0.0021	18	-22 54 31.21	0.015	18	0.34	7.759	16	33.6	31.46	16	33.6	K0	J	14	14314K	E -2316382
11		9.5R	35 10.109	0.0018	20	-22 15 36.57	0.016	20	0.36	10.080	16	33.6	36.83	16	33.6			14	14317	E -2214865
12		9.0R	35 13.988	-0.0005	18	-26 39 5.93	0.004	18	0.34	13.996	16	33.6	6.01	16	33.6	K0	J	14	14316	E -2615160
13		9.1R	35 16.416	-0.0022	15	-24 51 38.37	-0.001	15	0.29	16.452	16	33.6	38.36	16	33.6			14	14318	E -2514928
14		9.5R	35 17.701	0.0041	18	-22 52 54.53	0.033	18	0.34	17.634	16	33.6	55.08	16	33.6	K0	M	14	14319	E -2316386
15		8.7A	35 26.754	0.0018	20	-21 36 0.54	-0.002	15	0.33	26.725	16	33.6	0.51	16	33.6	A0	J	13A	8843	A -21 5781
16		7.3T	35 31.583	0.0041	08	-21 10 10.35	-0.041	07	0.43	31.366	14	96.9	8.16	14	96.2	G5		GC	28717	-21 5782
17		9.4R	35 31.613	-0.0009	20	-22 18 6.73	0.007	20	0.36	31.627	16	33.6	6.84	16	33.6	K0	M	14	14320	E -2214871
18		9.7R	35 37.153	-0.0032	18	-21 55 38.15	0.025	18	0.34	37.205	16	33.6	38.55	16	33.6			14	14322	E -2214872
19		8.6R	35 39.216	0.0046	18	-25 50 28.94	-0.083	18	0.34	39.141	16	33.6	27.59	16	33.6	G0	J	14	14321	E -2615166
20		8.9R	35 42.577	0.0015	17	-29 26 19.05	-0.036	17	0.31	42.552	16	33.6	18.46	16	33.6	K0	J	13B	13589	J -2917222
21		8.7R	35 50.352	0.0009	12	-25 22 27.22	-0.054	12	0.25	50.337	16	33.6	26.34	16	33.6	K0	J	14	14323	E -2514933
22		8.6R	35 52.919	0.0015	18	-22 29 44.35	0.011	18	0.34	52.894	16	33.6	44.52	16	33.6	K2	J	14	14324	E -2214878
23		7.7T	36 0.569	0.0082	16	-28 36 9.28	-0.011	18	0.80	0.192	17	03.9	8.80	18	05.0	G0		GC	28733K	C -2816816
24		9.0R	36 3.369	0.0024	18	-24 15 14.61	-0.004	18	0.34	3.330	16	33.6	14.54	16	33.6	K2	J	14	14326	E -2416172
25		9.0A	36 3.590	-0.0027	18	-21 16 17.26	-0.002	13	0.30	3.635	16	33.6	17.24	16	33.6	G5	J	13A	8850	A -21 5784
26		9.4R	36 3.685	-0.0011	18	-24 38 29.26	0.009	18	0.34	3.667	16	33.6	29.41	16	33.6	A5	J	14	14325	E -2416173
27		9.0R	36 8.585	-0.0028	21	-28 21 14.51	0.022	21	0.38	8.630	16	33.6	14.87	16	33.6	K5	M	13B	13591	J -2816818
28		9.0R	36 14.926	-0.0031	18	-22 55 11.17	0.020	18	0.34	14.976	16	33.6	11.50	16	33.6	K0	J	14	14327	E -2316395
29	10.4	10.1W	36 15.399	0.0088	21	-29 52 17.01	-0.032	21	0.44	15.238	22	31.8	16.43	21	31.8	G0		C7	11270	C -3018073
30		9.0R	36 16.980	0.0006	18	-24 31 14.43	-0.002	18	0.34	16.969	16	33.6	14.40	16	33.6	M3	M	14	14328	E -2416176
31		9.1R	36 21.905	-0.0022	17	-28 20 35.77	-0.012	17	0.31	21.942	16	33.6	35.58	16	33.6	A3	J	13B	13593	J -2816824
32		9.2R	36 32.779	0.0052	17	-27 14 20.06	-0.032	17	0.31	32.694	16	33.6	19.55	16	33.6	G5	J	13B	13595	J -2714955
33		9.1A	36 43.502	0.0003	18	-20 16 1.10	0.014	13	0.30	43.498	16	33.6	1.33	16	33.6	F0	J	13A	8855	A -20 5996
34		8.1A	36 43.626	0.0025	20	-21 6 54.41	-0.010	15	0.33	43.584	16	33.6	54.26	16	33.6	K2	J	13A	8854	A -21 5787
35		9.0R	36 49.716	0.0006	18	-24 37 12.41	0.006	18	0.34	49.706	16	33.6	12.51	16	33.6	G0	J	14	14329	E -2416186
36		9.1R	36 50.889	0.0022	18	-25 10 38.97	-0.047	18	0.34	50.853	16	33.6	38.20	16	33.6	F5	J	14	14330	E -2514947
37		9.0R	36 54.433	0.0014	18	-26 44 15.29	-0.031	18	0.34	54.409	16	33.6	14.79	16	33.6	K0	J	14	14331	E -2615177
38		7.6T	36 54.816	0.0016	14	-27 53 38.93	-0.005	13	0.72	54.738	18	00.0	38.69	18	98.7	G5		GC	28763	C -2816830
39		9.3R	36 56.104	0.0025	20	-28 54 17.41	0.021	20	0.36	56.062	16	33.6	17.76	16	33.6			13B	13597	J -2917232
40		9.0R	36 58.032	-0.0010	20	-29 51 7.39	-0.010	20	0.36	58.049	16	33.6	7.23	16	33.6	G0	J	13B	13598	J -3018083
41		9.2R	36 58.202	0.0024	18	-23 7 55.20	-0.005	18	0.34	58.162	16	33.6	55.12	16	33.6	G0	J	14	14332	E -2316401
42		8.5R	37 0.397	-0.0031	18	-23 0 12.84	-0.002	18	0.34	0.447	16	33.6	12.81	16	33.6	K0	J	14	14333	E -2316404
43		8.7R	37 6.247	0.0000	15	-23 12 35.37	0.008	15	0.29	6.246	16	33.6	35.51	16	33.6	A2	J	14	14335	E -2316406
44		8.6T	37 6.624	0.0020	16	-29 2 58.11	-0.017	16	0.79	6.531	22	02.9	57.31	22	02.6	F8		GC	28772K	C*-2917237
45		8.9R	37 7.324	0.0039	20	-25 51 35.27	-0.049	20	0.36	7.260	16	33.6	34.46	16	33.6	K0	J	14	14334	E -2615189
46		9.2R	37 7.643	-0.0019	20	-23 34 41.94	0.006	15	0.33	7.675	16	33.6	42.03	16	33.6	G0	J	14	14336	E -2316407
47		9.1R	37 8.434	0.0019	18	-23 10 26.12	-0.064	18	0.34	8.402	16	33.6	25.08	16	33.6	F5	M	14	14338	E -2316408
48		8.9R	37 9.112	-0.0034	22	-24 21 10.87	-0.017	22	0.40	9.168	16	33.6	10.59	16	33.6	G5	J	14	14337	E -2416192
49		6.3T	37 13.360	0.0360	08	-23 57 28.83	0.464	07	0.39	11.499	09	98.3	53.64	09	96.5	G5		GC	28778	C*-2416193
50		8.8R	37 13.735	0.0016	20	-29 30 2.16	0.024	20	0.36	13.709	16	33.6	2.55	16	33.6	K0	J	13B	13601	J -2917238
51		8.1A	20 37 17.079	-0.0017	18	-21 8 18.39	-0.008	13	0.30	17.107	16	33.6	18.25	16	33.6	K2	J	13A	8857	A -21 5789
52		9.0R	37 20.834	-0.0009	17	-25 29 50.77	0.016	17	0.31	20.849	16	33.6	51.03	16	33.6	K2	J	14	14340	E -2514953
53		7.8R	37 22.812	0.0012	20	-29 22 36.65	-0.008	20	0.36	22.793	16	33.6	36.52	16	33.6	K0	J	13B	13603	J -2917240
54		9.1R	37 23.143	0.0009	18	-21 44 59.71	-0.012	18	0.34	23.129	16	33.6	59.51	16	33.6	K5	M	14	14342	E -2214899
55		7.1T	37 24.780	0.0133	09	-24 17 30.52	-0.281	08	0.50	24.055	14	95.6	14.29	15	92.3	G0		GC	28783	C -2416195
56		9.0R	37 25.986	0.0011	20	-29 18 53.48	0.025	20	0.36	25.968	16	33.6	53.89	16	33.6	G	J	13B	13606	J -2917241
57		8.8A	37 32.352	-0.0002	20	-21 23 48.91	-0.010	15	0.33	32.357	16	33.6	48.74	16	33.6	F8	J	13A	8858	A -21 5791
58		7.3T	37 34.684	-0.0007	09	-27 45 53.38	0.001	08	0.51	34.724	17	95.6	53.46	17	93.7	A2		GC	28790	C -2816841
59		6.4T	37 36.239	0.0025	11	-26 49 22.35	-0.015	09	0.58	36.108	18	98.4	21.49	18	94.6	G0		GC	28791	C -2714959
60		8.7R	37 36.935	0.0011	15	-21 48 9.12	-0.029	18	0.31	36.916	16	33.6	8.64	16	33.6	F2	J	14	14345	E -2214904
61		9.1R	37 42.604	-0.0021	18	-23 30 54.66	-0.021	18	0.34	42.639	16	33.6	54.31	16	33.6	K2	J	14	14346	E -2316415
62		9.0R	37 49.321	-0.0009	20	-27 6 36.38	-0.022	20	0.36	49.336	16	33.6	36.03	16	33.6	G0	M	13B	13611	J -2714961
63		9.5R	37 50.263	-0.0044	18	-24 42 6.99	-0.019	18	0.34	50.336	16	33.6	6.68	16	33.6	G	M	14	14347	E -2416196
64		6.7T	37 50.506	0.0011	10	-28 43 39.70	-0.010	10	0.53	50.450	14	97.9	39.19	15	97.9	K0		GC	28800	C*-2816844
65		7.5R	37 51.794	0.0000	20	-25 13 40.77	-0.021	20	0.36	51.794	16	33.6	40.43	16	33.6	K5	J	14	14348	E -2514957
66	10.2	9.5W	37 53.752	-0.0004	21	-29 53 2.64	-0.006	21	0.44	53.759	22	31.8	2.53	21	31.8	K0		C7	11283	C -3018098
67		8.3R	37 58.229	0.0043	20	-29 38 13.25	-0.004	20	0.36	58.159	16	33.6	13.19	16	33.6	K0	J	13B	13613	J -2917246
68		9.2R	38 2.394	-0.0011	20	-25 23 47.59	-0.085	20	0.36	2.411	16	33.6	46.20	16	33.6	G5	J	14	14349	E -2514959
69		9.0R	38 4.277	0.0010	20	-25 35 49.98	-0.008	20	0.36	4.260	16	33.6	49.84	16	33.6	F2	J	14	14350	E -2514960
70		9.4R	38 5.019	-0.0024	15	-24 23 24.20	0.023	15	0.29	5.058	16	33.6	24.57	16	33.6	K	M	14	14351	E -2416197
71		9.2R	38 8.459	0.0008	15	-24 40 59.00	0.022	15	0.29	8.446	16	33.6	59.36	16	33.6	A5	J	14	14352	E -2416198
72		9.0R	38 16.118	0.0041	20	-29 6 6.66	0.066	20	0.36	16.050	16	33.6	7.74	16	33.6	A0	J	13B	13617	J -2917250
73		9.2R	38 16.724	0.0005	12	-23 2 1.24	-0.023	12	0.25	16.716	16	33.6	0.87	16	33.6	K	M	14	14353	E -2316420
74		9.1A	38 23.508	0.0050	20	-21 14 44.67	0.012	15	0.33	23.426	16	33.6	44.86	16	33.6	A0	J	13A	8863	A -21 5795
75		6.4T	38 25.296	-0.0001	10	-26 10 42.80	-0.027	09	0.55	25.301	17	95.3	41.27	18	92.4	K0		GC	28812	C -2615192
76		8.0R	38 26.439	-0.0013	20	-28 51 53.24	-0.035	20	0.36	26.460	16	33.6	52.67	16	33.6	K	M	13B	13620	J -2917254
77		8.7R	38 30.024	0.0022	20	-29 19 16.23	-0.066	20	0.36	29.989	16	33.6	15.15	16	33.6	F0	J	13B	13621	J -2917255
78		9.2R	38 30.674	-0.0006	15	-22 1 27.80	0.016	15	0.29	30.683	16	33.6	28.06	16	33.6	F5	J	14	14355	E -2214915
79		7.5T	38 32.235	0.0032	11	-28 10 26.40	-0.025	10	0.57	32.067	15	97.0	25.01	17	93.5	B9		GC	28817	C -2816851
80		9.3R	38 33.770	0.0005	20	-28 16 12.57	0.025	20	0.36	33.761	16	33.6	12.98	16	33.6			13B	13623	J -2816852
81		8.8A	38 38.505	0.0009	20	-20 59 26.02	-0.008	15	0.33	38.490	16	33.6	25.89	16	33.6	G5	J	13A	8866	A -21 5797
82		9.1R	38 44.191	-0.0018	20	-24 20 56.84	0.001	20	0.36	44.220	16	33.6	56.85	16	33.6	K	M	14	14356	E -2416209
83		7.5T	38 44.718	0.0060	14	-28 56 30.22	0.016	12	0.68	44.421	17	00.3	31.03	18	00.2	F2		GC	28823	C*-2917262
84		9.0R	38 44.955	0.0053	15	-22 29 38.91	-0.545	15	0.29	44.213	16	33.6	29.98	16	33.6	K0	J	14	14357	E -2214919
85		8.7R	38 53.775	0.0119	18	-27 23 43.08	-0.044	18	0.34	53.580	16	33.6	42.37	16	33.6	G0	J	13B	13626	J -2714976
86		7.6R	38 56.730	0.0038	18	-23 18 57.93	0.016	18	0.34	56.667	16	33.6	58.20	16	33.6	F2	J	14	14359	E -2316426
87		9.2R	38 58.803	0.0021	18	-25 49 32.99	-0.056	18	0.34	58.768	16	33.6	32.08	16	33.6	K	M	14	14358	E -2615196
88		9.1R	39 8.294	-0.0018	18	-22 38 58.41	0.031	18	0.34	8.323	16	33.6	58.92	16	33.6	K5	M	14	14361	E -2214925
89		9.2R	39 8.739	0.0012	17	-29 7 47.06	-0.031	17	0.31	8.720	16	33.6	46.55	16	33.6	A5	J	13B	13627	J -2917265
90		9.2T	39 8.904	-0.0009	18	-26 39 37.18	-0.054	18	0.91	8.947	18	00.9	34.56	18	01.0	K2		GC	28831	C -2615198
91		8.9A	39 12.191	-0.0026	20	-21 27 19.07	-0.068	15	0.33	12.234	16	33.6	17.96	16	33.6	G5	J	13A	8872	A -21 5802
92		9.2R	39 14.149	0.0005	18	-23 1 47.28	0.023	18	0.34	14.141	16	33.6	47.66	16	33.6	K5	M	14	14362	E -2316431
93		8.9R	39 15.869	0.0009	12	-22 48 32.42	-0.007	12	0.25	15.854	16	33.6	32.31	16	33.6	K0	J	14	14364	E -2316434
94		8.8R	39 15.974	-0.0003	15	-23 10 51.37	0.007	15	0.29	15.979	16	33.6	51.49	16	33.6	K2	J	14	14363	E -2316433
95		9.0R	39 28.092	0.0010	18	-26 23 15.54	-0.012	18	0.34	28.075	16	33.6	15.33	16	33.6	K0	J	14	14365	E -2615210
96		9.3R	39 39.300	0.0021	17	-29 5 44.15	0.012	17	0.31	39.265	16	33.6	44.35	16	33.6	G0	M	13B	13632	J -2917272
97		9.0R	39 40.072	0.0001	18	-24 29 3.92	0.022	18	0.34	40.070	16	33.6	4.27	16	33.6	F8	J	14	14366	E -2416221
98		8.6R	39 45.631	-0.0001	12	-29 18 43.21	-0.020	12	0.25	45.632	16	33.6	42.88	16	33.6	K0	J	13B	13633	J -2917274
99		9.4R	39 55.109	-0.0004	15	-25 6 21.80	-0.020	15	0.29	55.116	16	33.6	21.47	16	33.6	A5	J	14	14367	E -2514980
00		9.2A	39 56.383	-0.0019	20	-20 11 28.93	-0.066	15	0.33	56.414	16	33.6	27.85	16	33.6	G0	J	13A	8877	A -20 6008

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NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	σ'_μ ″.001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.		SOURCE CAT.	SOURCE STAR NUMBER	DM NUMBER
1		8.1T	20 40 0.746	0.0042	16	-28 57 1.11	-0.011	16	0.78	0.547	21	02.3	0.60	21	03.0	F8		GC	28853K	C -2917277
2		9.1R	40 11.490	-0.0002	18	-27 16 39.52	-0.058	18	0.34	11.493	16	33.6	38.58	16	33.6	K0	J	13B	13638	J -2714993
3		8.8A	40 12.756	0.0032	20	-20 24 19.34	-0.022	15	0.33	12.704	16	33.6	18.98	16	33.6	F2	J	13A	8880	A -20 6012
4		8.8R	40 13.338	0.0005	15	-22 8 35.14	0.019	15	0.29	13.330	16	33.6	35.45	16	33.6	K0	J	14	14369	E -2214939
5		9.1R	40 13.379	-0.0020	18	-22 52 34.92	0.028	18	0.34	13.411	16	33.6	35.39	16	33.6	M1	M	14	14368	E -2316441
6		6.9T	40 13.603	-0.0025	09	-29 36 5.67	-0.197	09	0.53	13.742	15	94.4	54.66	17	94.1	G0		GC	28857	C*-2917282
7		9.4R	40 15.332	0.0018	18	-26 50 5.62	-0.039	18	0.34	15.303	16	33.6	4.99	16	33.6	G	M	13B	13640	J -2714994
8		9.1R	40 17.048	-0.0020	12	-28 4 4.66	-0.008	12	0.25	17.081	16	33.6	4.54	16	33.6			13B	13641	J -2816869
9		8.8A	40 17.829	-0.0011	20	-20 59 26.56	-0.035	15	0.33	17.846	16	33.6	25.98	16	33.6	F8	J	13A	8881	A -21 5805
10		9.4R	40 21.109	0.0002	15	-25 20 59.30	-0.010	15	0.29	21.106	16	33.6	59.14	16	33.6	A0	J	14	14370	E -2514989
11		8.8R	40 27.429	0.0004	18	-22 29 5.12	0.023	18	0.34	27.423	16	33.6	5.49	16	33.6	F2	J	14	14372	E -2214942
12		9.0R	40 29.656	0.0009	20	-25 24 30.73	-0.004	20	0.36	29.641	16	33.6	30.67	16	33.6	K	M	14	14371	E -2514990
13		7.2T	40 31.566	-0.0012	11	-22 38 4.99	-0.024	10	0.59	31.632	18	96.8	3.66	18	94.0	G5		GC	28863	-22 5511
14		8.7R	40 36.729	0.0047	18	-24 52 21.92	-0.035	18	0.34	36.652	16	33.6	21.35	16	33.6	G0	J	14	14374	E -2514991
15		8.9A	40 38.981	-0.0023	20	-21 16 55.55	0.043	15	0.33	39.019	16	33.6	56.25	16	33.6	K0	J	13A	8884	A -21 5806
16		8.5R	40 42.320	0.0027	18	-26 25 54.53	-0.036	18	0.34	42.276	16	33.6	53.95	16	33.6	K0	J	14	14375	E -2615225
17		7.9T	40 43.447	0.0016	16	-23 39 4.59	-0.003	14	0.78	43.366	18	99.9	4.42	18	99.1	F8		GC	28866	C -2316445
18		9.2R	40 51.185	-0.0029	18	-25 47 49.70	-0.020	18	0.34	51.232	16	33.6	49.37	16	33.6	A5	J	14	14377	E -2615226
19		9.1A	40 52.440	0.0020	20	-20 41 40.89	0.019	15	0.33	52.407	16	33.6	41.20	16	33.6	A0	J	13A	8888	A -21 5807
20		7.8T	40 53.071	-0.0048	13	-26 0 24.91	0.000	10	0.61	52.836	18	01.3	24.94	18	99.3	K0		GC	28869	C -2615227
21		8.5A	40 54.079	-0.0013	18	-21 24 52.68	0.005	13	0.30	54.101	16	33.6	52.77	16	33.6	F0	J	13A	8889	A -21 5808
22		8.0T	40 54.190	0.0032	18	-28 5 44.22	0.006	18	0.89	54.038	19	02.4	44.52	21	02.9	A0		GC	28870	C -2816874
23		9.0R	40 55.873	0.0006	20	-27 20 11.13	-0.008	20	0.36	55.863	16	33.6	11.01	16	33.6	K2	J	13B	13645	J -2715001
24		9.0R	41 1.830	-0.0001	18	-22 26 2.22	0.033	18	0.34	1.831	16	33.6	2.76	16	33.6	G0	J	14	14379	E -2214952
25		9.2R	41 12.223	0.0014	12	-29 47 49.47	0.006	12	0.25	12.200	16	33.6	49.57	16	33.6	F5	J	13B	13647	J -3018143
26		8.0A	41 18.419	0.0030	18	-21 22 28.29	-0.034	13	0.30	18.369	16	33.6	27.73	16	33.6	K0	J	13A	8893	A -21 5812
27		9.1R	41 27.087	0.0031	18	-23 49 48.02	-0.035	18	0.34	27.036	16	33.6	47.44	16	33.6	A5	M	14	14381	E -2416238
28		8.4T	41 27.141	0.0015	17	-27 23 38.96	-0.010	14	0.81	27.064	18	00.0	38.47	18	98.9	A2		GC	28887	C -2715005
29		8.4R	41 28.158	0.0006	18	-27 14 0.24	-0.083	18	0.34	28.148	16	33.6	58.89	16	33.6	F5	J	13B	13649	J -2715007
30		7.1T	41 34.158	0.0045	11	-28 23 10.27	-0.027	09	0.57	33.927	15	98.2	8.78	18	94.0	A3		GC	28892	C -2816879
31		8.7T	41 36.899	0.0057	16	-29 27 30.90	-0.034	17	0.81	36.626	19	01.9	29.30	21	02.7	F8		GC	28896	C -2917294
32		8.5T	41 37.080	0.0050	16	-27 37 3.89	0.003	18	0.84	36.843	22	02.2	4.05	22	03.3	A0		GC	28897	C -2715009
33		8.9R	41 38.942	-0.0000	17	-29 45 59.37	-0.044	17	0.31	38.943	16	33.6	58.65	16	33.6	K0	J	13B	13653	J -3018149
34		9.2R	41 39.385	0.0017	15	-21 47 11.26	0.007	15	0.29	39.357	16	33.6	11.37	16	33.6	F5	J	14	14383	E -2214963
35		8.8R	41 43.365	0.0003	18	-23 22 9.65	0.059	18	0.34	43.359	16	33.6	10.62	16	33.6	F5	J	14	14384	E -2316453
36		9.0A	41 49.411	-0.0001	20	-20 46 6.62	0.004	15	0.33	49.413	16	33.6	6.68	16	33.6	G5	J	13A	8896	A -21 5813
37		9.2R	41 54.712	0.0005	18	-25 46 11.66	-0.020	18	0.34	54.704	16	33.6	11.33	16	33.6	K0	J	14	14385	E -2615258
38		7.5A	41 56.120	-0.0022	18	-21 4 29.01	-0.051	13	0.30	56.155	16	33.6	28.17	16	33.6	K0	J	13A	8897K	A -21 5814
39		9.4R	41 59.931	-0.0000	20	-29 53 4.52	0.017	20	0.36	59.932	16	33.6	4.80	16	33.6			13B	13655	J -3018152
40		8.5R	42 7.030	0.0051	18	-23 56 29.49	-0.066	18	0.34	6.947	16	33.6	28.40	16	33.6	G0	J	14	14387K	E -2416245
41		6.5T	42 13.282	0.0007	11	-27 25 47.44	0.008	09	0.58	13.242	18	95.7	47.92	18	92.8	G5		GC	28909	C -2715014
42		8.5A	42 21.396	-0.0010	20	-21 20 6.23	-0.035	15	0.33	21.411	16	33.6	5.65	16	33.6	K0	J	13A	8898	A -21 5816
43		9.3R	42 22.200	-0.0010	20	-26 40 11.41	-0.014	20	0.36	22.217	16	33.6	11.19	16	33.6	K	M	14	14389	E -2615242
44		8.7R	42 22.699	-0.0045	18	-24 3 26.46	-0.034	18	0.34	22.625	16	33.6	25.89	16	33.6	F5	M	14	14390	E -2416247
45		9.4R	42 24.636	-0.0017	18	-21 56 4.87	0.029	18	0.34	24.663	16	33.6	5.34	16	33.6	F0	M	14	14393	E -2214972
46		9.4R	42 26.026	-0.0017	20	-25 59 44.26	-0.053	20	0.36	26.054	16	33.6	43.39	16	33.6	K0	J	14	14391	E -2615244
47		9.4R	42 26.803	-0.0011	18	-22 26 23.48	-0.037	18	0.34	26.821	16	33.6	22.87	16	33.6	K0	J	14	14394	E -2214973
48		9.2R	42 27.928	0.0044	20	-28 53 58.12	0.012	20	0.36	27.855	16	33.6	58.32	16	33.6			13B	13660	J -2917304
49		9.0R	42 29.188	0.0015	20	-26 8 10.57	-0.066	20	0.36	29.162	16	33.6	9.50	16	33.6	K0	J	14	14392	E -2615246
50		9.1R	42 31.480	0.0051	18	-22 47 1.97	-0.013	18	0.34	31.396	16	33.6	1.76	16	33.6	F8	J	14	14396	E -2316467
51		9.2R	20 42 33.133	0.0051	20	-27 24 58.09	-0.010	20	0.36	33.050	16	33.6	57.94	16	33.6			13B	13661	J -2715015
52		9.4R	42 33.406	0.0003	20	-25 2 6.03	-0.004	20	0.36	33.402	16	33.6	5.97	16	33.6	A3	M	14	14395	E -2515014
53		9.2R	42 37.965	-0.0012	12	-23 46 21.37	-0.033	12	0.25	37.985	16	33.6	20.82	16	33.6	F8	J	14	14397	E -2416251
54		8.6R	42 38.591	0.0008	20	-28 48 10.21	0.012	20	0.36	38.577	16	33.6	10.41	16	33.6	K0	J	13B	13663	J -2917306
55		9.1R	42 44.658	0.0006	18	-22 31 36.61	-0.018	18	0.34	44.648	16	33.6	36.32	16	33.6	G0	J	14	14398	E -2214977
56		9.2A	42 50.382	0.0023	20	-21 2 10.96	0.021	15	0.33	50.345	16	33.6	11.30	16	33.6	A2	J	13A	8902	A -21 5817
57		8.9R	42 51.043	0.0043	18	-24 40 5.60	-0.047	18	0.34	50.973	16	33.6	4.83	16	33.6	F0	J	14	14399	E -2416254
58		9.4T	42 51.157	0.0073	18	-27 47 19.11	-0.023	22	0.97	50.823	22	04.0	18.08	22	04.3	G0		GC	28922	C -2816896
59		9.4R	42 52.752	-0.0004	18	-21 49 31.09	-0.000	18	0.34	52.758	16	33.6	31.08	16	33.6	F5	M	14	14400	E*-2214980
60		9.3R	42 54.504	0.0008	18	-23 7 1.31	-0.100	18	0.34	54.490	16	33.6	59.68	16	33.6	G5	M	14	14401	E -2316476
61		9.2R	43 2.348	-0.0011	20	-26 2 33.04	0.029	20	0.36	2.366	16	33.6	33.52	16	33.6	K	M	14	14402	E -2615251
62		8.3R	43 2.653	0.0006	20	-25 17 15.48	-0.031	20	0.36	2.644	16	33.6	14.97	16	33.6	K0	J	14	14403	E -2515017
63		8.9A	43 5.196	0.0010	18	-20 41 55.40	0.002	13	0.30	5.179	16	33.6	55.44	16	33.6	F8	J	13A	8904	A -21 5820
64		4.3H	43 8.301	-0.0036	02	-25 27 7.14	-0.156	02	0.06	8.427	03	15.4	1.49	03	13.7	F8		F4	779	C -2515018
65		8.7R	43 13.970	-0.0081	20	-28 37 31.60	-0.029	20	0.36	14.103	16	33.6	31.12	16	33.6	G0	J	13B	13666	J -2816901
66		8.2R	43 15.471	0.0086	18	-21 55 30.33	-0.253	18	0.34	15.330	16	33.6	26.18	16	33.6	G5	J	14	14406	E -2214982
67		5.9T	43 16.212	0.0015	03	-21 41 49.29	-0.009	04	0.19	16.139	06	01.9	48.84	06	01.6	A0		GC	28933	B*-22 5523
68		8.9R	43 16.654	-0.0007	18	-23 58 54.26	-0.076	18	0.34	16.665	16	33.6	53.01	16	33.6	K0	J	14	14405	E -2416260
69		7.2T	43 20.708	-0.0010	10	-23 54 26.79	-0.012	07	0.44	20.755	10	01.4	26.15	10	98.2	A0		GC	28935	C -2416262
70		8.6R	43 21.640	0.0015	20	-26 21 34.56	0.002	20	0.36	21.614	16	33.6	34.60	16	33.6	G5	J	14	14407	E -2615258
71		8.7R	43 23.014	0.0046	18	-23 42 33.98	0.002	18	0.34	22.940	16	33.6	34.00	16	33.6	F5	J	14	14410	E -2316485
72		8.9R	43 23.022	0.0009	20	-25 29 26.06	-0.027	20	0.36	23.007	16	33.6	25.62	16	33.6	K0	J	14	14409	E -2515021
73		9.0A	43 27.681	-0.0008	20	-20 43 31.17	-0.019	15	0.33	27.695	16	33.6	30.87	16	33.6	K5	J	13A	8909	A -21 5821
74		9.2T	43 27.883	-0.0002	22	-27 2 51.49	-0.064	22	1.06	27.890	19	03.6	48.56	21	03.9			GC	28938K	C -2715025
75		6.8T	43 27.977	-0.0009	10	-27 3 7.45	-0.025	09	0.57	28.024	17	96.1	6.05	17	93.2	F2		GC	28939K	C -2715025
76		9.1R	43 29.884	0.0005	18	-21 56 24.44	0.045	18	0.34	29.876	16	33.6	25.17	16	33.6	K0	J	14	14411	E -2214984
77		8.7R	43 33.854	0.0002	17	-29 0 7.04	-0.020	17	0.31	33.851	16	33.6	6.71	16	33.6	A2	J	13B	13671	J -2917314
78		7.8R	43 34.514	0.0012	20	-25 5 52.12	-0.008	20	0.36	34.495	16	33.6	51.99	16	33.6	F8	J	14	14412	E -2515024
79		8.9R	43 35.566	0.0007	20	-25 4 20.39	-0.021	20	0.36	35.555	16	33.6	20.05	16	33.6			14	14413	E -2515025
80		7.2T	43 35.743	0.0007	12	-22 20 51.11	-0.069	10	0.61	35.707	15	98.8	47.30	17	95.0	K0		GC	28941	-22 5526
81		9.2R	43 36.371	0.0017	18	-21 52 24.04	0.023	18	0.34	36.343	16	33.6	24.41	16	33.6	K0	J	14	14415K	E -2214987
82		9.3R	43 39.806	-0.0008	20	-29 35 42.01	-0.008	20	0.36	39.820	16	33.6	41.88	16	33.6			13B	13673	J -2917317
83		8.0R	43 40.514	0.0013	20	-27 25 1.10	-0.053	20	0.36	40.493	16	33.6	0.24	16	33.6	M3	M	13B	13674	J -2715026
84		9.2R	43 43.792	-0.0004	18	-22 37 8.79	0.023	18	0.34	43.798	16	33.6	9.17	16	33.6	K5	M	14	14416	E -2214989
85		9.0R	43 44.138	0.0001	20	-28 28 22.74	-0.003	20	0.36	44.136	16	33.6	22.70	16	33.6	F5	J	13B	13676	J -2816910
86		8.5R	43 45.271	0.0013	20	-29 32 12.75	-0.093	20	0.36	45.249	16	33.6	11.23	16	33.6	K0	J	13B	13675	J -2917322
87		8.1T	43 45.432	0.0017	13	-27 22 2.38	0.011	17	0.77	45.344	18	99.2	2.93	21	02.0	F0		GC	28946	C -2715029
88		8.9A	43 46.609	0.0005	20	-20 12 52.45	-0.003	15	0.33	46.601	16	33.6	52.41	16	33.6	K0	J	13A	8912	A -20 6027
89		9.1R	43 51.961	0.0024	20	-27 10 21.81	-0.011	20	0.36	51.921	16	33.6	21.64	16	33.6	G5	M	13B	13679	J -2715030
90		8.8R	43 54.282	-0.0016	18	-22 25 35.90	-0.023	18	0.34	54.308	16	33.6	35.52	16	33.6	K0	J	14	14417	E -2214993
91		9.1R	44 0.299	0.0032	20	-22 5 24.77	-0.040	20	0.36	0.247	16	33.6	24.11	16	33.6	G5	J	14	14418	E -2214995
92		9.0A	44 1.391	0.0002	20	-20 18 57.26	-0.018	15	0.33	1.388	16	33.6	56.97	16	33.6	K5	J	13A	8915	A -20 6030
93		9.5R	44 3.503	0.0003	18	-23 37 21.90	-0.004	18	0.34	3.498	16	33.6	21.83	16	33.6	F8	M	14	14419	E -2316489
94		7.6T	44 16.548	-0.0017	15	-27 52 57.47	-0.011	16	0.77	16.632	21	01.7	56.96	21	02.3	F5		GC	28963	C -2816913
95		8.9R	44 18.836	0.0041	18	-24 39 30.86	0.005	18	0.34	18.770	16	33.6	30.88	16	33.6	F8	J	14	14420	E -2416270
96		8.7R	44 20.311	0.0037	15	-22 7 47.50	-0.012	15	0.29	20.250	16	33.6	47.30	16	33.6	G0	J	14	14422	E -2214999
97		7.1T	44 21.335	0.0016	10	-26 35 58.54	-0.004	09	0.57	21.246	18	95.4	58.33	17	92.4	A2		GC	28967K	C*-2615264
98		9.1R	44 32.896	-0.0003	15	-21 55 57.62	0.005	15	0.29	32.901	16	33.6	57.70	16	33.6	K0	J	14	14423	E -2215003
99		9.3R	44 35.595	-0.0005	18	-23 1 46.86	0.010	18	0.34	35.602	16	33.6	47.03	16	33.6	K5	M	14	14424	E -2316497
00	10.5	10.3W	44 42.295	0.0086	21	-29 57 51.71	-0.098	21	0.44	42.138	22	31.8	49.93	21	31.8	G0	L	C7	11346	C -3018182

-20° 20H

189700	EPOCH 1950										ORIGINAL EPOCH						SP.	SOURCE		-20° 20H
NUMBER	MAGNITUDES m_{pg}	m_v	α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	σ_μ ″.001	σ_{1950} ″	α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.		CAT.	STAR NUMBER	DM NUMBER
1		7.5T	20 44 52.575	0.0024	13	-27 56 8.96	0.008	16	0.72	52.460	18	01.5	9.35	18	03.0	G5	GC	28973K	C -2816918
2		9.3R	44 53.566	0.0053	20	-29 0 6.45	-0.016	17	0.34	53.478	16	33.6	6.19	16	33.6		13B	13688	J -2917335
3		7.9R	44 53.799	0.0016	15	-23 39 34.82	-0.035	15	0.29	53.773	16	33.6	34.24	16	33.6	M1 M	14	14425	E -2316498
4		9.4R	44 59.744	-0.0003	18	-23 49 42.52	0.022	18	0.34	59.749	16	33.6	42.87	16	33.6		14	14426	E -2316280
5		9.1R	45 6.082	0.0013	18	-22 21 14.68	0.008	18	0.34	6.061	16	33.6	14.81	16	33.6	K M	14	14427	E -2215008
6		9.0R	45 14.046	0.0019	18	-23 38 5.59	-0.019	18	0.34	14.016	16	33.6	5.27	16	33.6	K0 J	14	14428	E -2316502
7		9.1R	45 21.106	0.0032	17	-29 43 51.37	-0.072	17	0.31	21.054	16	33.6	50.19	16	33.6		13B	13691	J -2917343
8		7.9T	45 21.951	0.0007	07	-23 1 51.17	0.007	07	0.41	21.906	15	91.2	51.58	15	92.6	A2	GC	28989	C -2316505
9		8.9R	45 23.333	-0.0012	18	-23 48 49.30	0.010	18	0.34	23.353	16	33.6	49.46	16	33.6	F0 J	14	14430	E -2416282
10		9.3R	45 25.976	-0.0007	15	-25 26 52.49	-0.034	15	0.29	25.988	16	33.6	51.93	16	33.6	K5 M	14	14431	E -2515045
11		9.2A	45 26.652	-0.0017	20	-21 32 12.63	0.001	15	0.33	26.680	16	33.6	12.64	16	33.6	G0 J	13A	0921	A -21 5832
12		7.3T	45 26.838	0.0030	04	-22 55 24.39	-0.165	05	0.24	26.686	07	00.2	16.20	09	00.3	F8	GC	28993	C -2316508
13		9.6R	45 30.017	0.0023	17	-28 49 32.23	-0.024	17	0.31	29.979	16	33.6	31.84	16	33.6		13B	13693	J -2917347
14		8.6R	45 34.081	0.0000	18	-27 10 45.69	-0.004	18	0.34	34.080	16	33.6	45.63	16	33.6	K0 J	13B	13696	J -2715050
15		8.9R	45 34.335	-0.0008	18	-22 15 38.53	0.036	18	0.34	34.348	16	33.6	39.12	16	33.6	F8 J	14	14433	E -2215012
16		8.9R	45 36.557	0.0024	20	-29 43 5.03	-0.059	20	0.36	36.517	16	33.6	4.06	16	33.6	K0 J	13B	13695	J -2917348
17		9.0A	45 41.786	-0.0001	20	-20 58 9.17	0.014	15	0.33	41.788	16	33.6	9.40	16	33.6	A0 J	13A	0925	A -21 5837
18		8.9R	45 48.800	0.0025	17	-29 7 11.83	-0.006	17	0.31	48.760	16	33.6	11.73	16	33.6	K M	13B	13697	J -2917350
19		9.2R	45 53.389	-0.0020	15	-23 31 45.53	-0.064	15	0.29	53.422	16	33.6	44.48	16	33.6	K2 M	14	14434	E -2316511
20		9.4R	45 53.975	0.0028	18	-23 46 24.82	-0.011	18	0.34	53.929	16	33.6	24.63	16	33.6	G M	14	14435	E -2416285
21		8.6R	45 55.086	0.0019	18	-27 11 50.91	-0.179	18	0.34	55.055	16	33.6	47.99	16	33.6	G0 J	13B	13699	J -2715054
22		8.1R	45 59.933	0.0015	17	-29 13 7.80	-0.035	17	0.31	59.909	16	33.6	7.23	16	33.6	K2 J	13B	13700	J -2917352
23		9.5R	46 0.839	0.0021	18	-22 2 3.17	0.025	18	0.34	0.805	16	33.6	3.57	16	33.6	F0 M	14	14438	E -2215016
24		8.9R	46 0.907	0.0007	18	-22 35 33.03	-0.023	18	0.34	0.895	16	33.6	32.66	16	33.6	K5 M	14	14437	E -2215015
25		9.1R	46 1.617	0.0010	18	-24 5 14.64	-0.015	18	0.34	1.601	16	33.6	14.39	16	33.6	K2 J	14	14436	E -2416288
26		8.6Q	46 2.697	-0.0004	20	-20 48 14.25	0.041	16	0.71	2.712	19	12.7	15.85	19	10.6	G5	GC	29007K	B*-21 5839
27		9.0R	46 8.292	0.0017	17	-29 15 35.54	-0.009	17	0.31	8.264	16	33.6	35.39	16	33.6	K M	13B	13701	J -2917353
28		9.4R	46 8.355	-0.0021	18	-23 12 56.23	-0.007	18	0.34	8.390	16	33.6	56.12	16	33.6	K0 M	14	14439	E -2316515
29		8.9R	46 9.395	0.0021	20	-29 28 22.25	0.005	20	0.36	9.361	16	33.6	22.33	16	33.6	G5 M	13B	13702	J -2917354
30		9.6R	46 9.672	0.0003	18	-23 29 2.08	0.009	18	0.34	9.668	16	33.6	2.24	16	33.6	G5 M	14	14440	E -2316514
31		9.0R	46 13.089	0.0011	18	-21 49 7.64	-0.008	18	0.34	13.071	16	33.6	7.51	16	33.6	K0 J	14	14441	E -2215018
32		9.2R	46 19.636	0.0043	18	-24 14 31.75	0.051	18	0.34	19.566	16	33.6	32.58	16	33.6	G0 J	14	14443	E -2416289
33		5.8T	46 19.691	0.0012	05	-25 58 1.86	-0.019	05	0.21	19.640	07	08.1	1.03	07	07.6	B8	GC	29018	C -2615282
34		9.4R	46 21.820	-0.0037	15	-25 9 2.24	0.022	15	0.29	21.881	16	33.6	2.60	16	33.6	K M	14	14445	E -2515055
35		8.2Q	46 21.934	0.0169	10	-20 48 51.28	-0.185	12	0.49	21.195	09	06.2	43.09	09	05.6	G5	GC	29020	-21 5840
36		8.4R	46 23.633	0.0037	20	-26 31 36.77	0.018	20	0.36	23.572	16	33.6	37.07	16	33.6	F0 J	14	14444	E -2615283
37		8.5T	46 25.653	0.0000	20	-27 7 19.74	-0.162	20	0.97	25.651	18	00.7	12.02	19	02.2	G0	GC	29022	C -2715058
38		8.3R	46 26.955	0.0030	20	-28 32 4.85	-0.016	20	0.36	26.906	16	33.6	4.59	16	33.6	K0 J	13B	13704	J -2816935
39		9.0R	46 29.445	0.0007	17	-28 27 21.79	-0.016	17	0.31	29.433	16	33.6	21.53	16	33.6	G5 M	13B	13706	J -2816936
40		9.2R	46 35.054	-0.0018	20	-22 44 43.30	-0.014	20	0.36	35.084	16	33.6	43.08	16	33.6	K5 M	14	14447	E -2316520
41		9.0R	46 35.185	-0.0010	18	-24 8 2.13	-0.074	18	0.34	35.201	16	33.6	0.91	16	33.6		14	14446	E -2416292
42		9.3R	46 37.899	-0.0029	18	-27 39 38.02	-0.022	18	0.34	37.946	16	33.6	37.67	16	33.6	K M	13B	13707	J -2715059
43		9.3R	46 44.539	-0.0044	17	-29 45 54.54	-0.024	17	0.31	44.612	16	33.6	54.15	16	33.6		13B	13709	J -3018208
44		9.2R	46 49.819	0.0019	18	-25 33 21.13	-0.037	18	0.34	49.787	16	33.6	20.52	16	33.6	K0 J	14	14448	E -2515058
45		8.8R	46 52.229	-0.0009	15	-25 0 29.25	0.005	15	0.29	52.244	16	33.6	29.34	16	33.6	F2 J	14	14449	E -2515060
46		8.4R	46 56.649	-0.0006	18	-22 4 48.33	0.023	18	0.34	56.658	16	33.6	48.70	16	33.6	G5 J	14	14450	E -2215027
47		7.0T	47 5.565	0.0005	05	-27 33 14.58	-0.027	05	0.26	5.544	10	05.0	13.29	10	01.6	K0	GC	29029K	C -2715065
48		9.4R	47 6.189	-0.0009	18	-23 45 33.52	0.014	18	0.34	6.204	16	33.6	33.74	16	33.6	K M	14	14451	E -2416295
49		9.0R	47 6.889	0.0016	20	-27 33 8.98	-0.081	20	0.36	6.863	16	33.6	7.67	16	33.6	K M	13B	13714	J -2715066
50		9.1R	47 9.114	0.0066	17	-29 39 36.30	-0.033	17	0.31	9.006	16	33.6	35.76	16	33.6	F5 J	13B	13713	J -2917363
51		9.0R	20 47 23.058	-0.0000	17	-27 52 14.37	0.002	17	0.31	23.058	16	33.6	14.41	16	33.6	G5 J	13B	13719	J -2816944
52		9.0R	47 23.077	-0.0043	12	-28 56 14.38	-0.098	12	0.25	23.147	16	33.6	12.77	16	33.6	F8 J	13B	13718	J -2917366
53		8.9R	47 24.522	0.0027	20	-27 40 48.03	-0.016	20	0.36	24.477	16	33.6	47.78	16	33.6	K0 J	13B	13720	J -2715068
54		9.2T	47 26.778	-0.0008	18	-28 11 49.04	-0.041	16	0.85	26.817	21	03.0	47.05	21	00.9	K2	GC	29040	C -2816945
55		8.0R	47 29.822	-0.0012	20	-29 12 15.52	-0.019	20	0.36	29.842	16	33.6	15.21	16	33.6	F5 J	13B	13722	J -2917367
56		8.4R	47 30.865	-0.0003	17	-29 0 46.64	0.042	17	0.31	30.860	16	33.6	47.33	16	33.6	G5 J	13B	13723	J -2917369
57		6.6T	47 33.493	-0.0056	06	-25 10 6.43	-0.100	05	0.27	33.752	09	03.7	1.48	09	00.4	F8	GC	29045	C*-2515067
58		9.0T	47 39.304	0.0055	18	-28 9 49.91	-0.057	18	0.87	39.053	22	04.0	47.28	22	03.6	G5	GC	29050	C -2816947
59		9.7R	47 50.432	-0.0009	18	-21 45 20.01	-0.025	18	0.34	50.446	16	33.6	19.59	16	33.6	G0 M	14	14453	E -2215033
60		8.9R	47 50.621	0.0015	18	-27 12 15.97	-0.015	18	0.34	50.597	16	33.6	15.73	16	33.6	K2 J	13B	13726	J -2715072
61		9.3R	47 55.630	-0.0007	00	-25 27 26.49	0.008	18	0.26	55.642	16	33.6	26.62	16	33.6	A2 J	14	14454	E -2515075
62		9.8T	48 0.357	-0.0011	26	-27 55 29.09	-0.059	18	1.01	0.406	24	06.8	26.42	22	04.5	F2	GC	29059	C -2816949
63		7.1T	48 0.993	0.0008	11	-21 29 56.46	-0.085	10	0.42	0.962	09	09.7	53.16	09	10.9	F5	GC	29060	-21 5844
64		9.1R	48 3.281	-0.0007	18	-26 24 51.61	-0.053	18	0.34	3.292	16	33.6	50.73	16	33.6	K0 J	14	14455	E -2615300
65		9.0R	48 5.605	-0.0001	17	-29 14 37.80	0.000	17	0.31	5.606	16	33.6	37.80	16	33.6	K5 M	13B	13728	J -2917373
66		9.4R	48 10.681	0.0010	18	-21 48 46.05	-0.007	18	0.34	10.665	16	33.6	45.93	16	33.6	G0 J	14	14457	E -2215036
67		7.8R	48 13.930	0.0028	18	-25 46 14.23	-0.024	18	0.34	13.884	16	33.6	13.85	16	33.6	K0 J	14	14456	E -2615302
68		9.4R	48 18.086	0.0009	18	-21 52 19.34	0.050	18	0.34	18.072	16	33.6	20.16	16	33.6	G5 J	14	14458	E -2215038
69		9.3R	48 18.760	-0.0019	18	-22 10 47.18	0.013	18	0.34	18.791	16	33.6	47.39	16	33.6	K M	14	14459	E -2215037
70		8.6R	48 23.821	0.0014	18	-26 58 4.97	-0.020	18	0.34	23.798	16	33.6	4.65	16	33.6	K5 J	13B	13730	J -2715077
71		9.3R	48 24.295	-0.0008	18	-25 12 34.75	-0.004	18	0.34	24.308	16	33.6	34.69	16	33.6	F5 J	14	14460	E -2515080
72		8.8T	48 25.151	0.0017	15	-27 20 20.23	-0.044	17	0.81	25.065	21	00.6	18.14	21	02.0	K2	GC	29070	C -2715078
73		9.6R	48 32.624	-0.0018	18	-23 1 30.25	0.001	18	0.34	32.654	16	33.6	30.28	16	33.6	A5 M	14	14461	E -2316544
74		9.0R	48 34.171	-0.0001	18	-22 6 33.36	0.016	18	0.34	34.172	16	33.6	33.62	16	33.6	K2 J	14	14462	E -2215042
75		6.6T	48 34.324	-0.0006	08	-27 25 57.26	-0.024	07	0.44	34.356	15	92.7	55.83	15	89.8	F8	GC	29072	C -2715080
76		9.0A	48 35.585	-0.0002	18	-21 12 52.24	-0.012	13	0.30	35.587	16	33.6	52.05	16	33.6	K0 J	13A	0943	A -21 5847
77		6.8T	48 36.090	0.0045	11	-28 11 0.44	0.008	09	0.57	35.850	17	96.3	0.92	17	92.5	A3	GC	29074	C -2816955
78		7.0T	48 37.629	-0.0067	12	-29 37 43.33	-0.100	13	0.67	37.983	15	97.2	38.11	15	97.8	F5	GC	29076	C*-2917379
79		9.2R	48 37.920	-0.0003	20	-25 1 28.65	0.004	20	0.36	37.926	16	33.6	28.72	16	33.6	K2 J	14	14463	E -2515082
80		7.2T	48 38.367	0.0037	15	-29 58 7.92	0.013	14	0.75	38.185	17	00.9	8.58	19	99.6	K2	GC	29077	C -3018223
81		4.2H	48 50.460	-0.0004	02	-27 6 27.20	0.000	02	0.07	50.475	04	14.6	27.22	04	12.3	M0	F4	1546	C -2715082
82		9.1A	48 55.245	0.0001	20	-20 27 35.38	-0.006	15	0.33	55.243	16	33.6	35.29	16	33.6	K0 J	13A	0945	A -20 6051
83		9.2R	48 56.205	0.0000	18	-23 55 6.54	0.007	18	0.34	56.204	16	33.6	6.65	16	33.6	A2 J	14	14464	E -2416315
84		9.6R	49 0.078	0.0010	18	-23 44 44.17	0.015	18	0.34	0.062	16	33.6	44.41	16	33.6	G M	14	14465	E -2416318
85		8.7R	49 2.154	0.0020	18	-22 53 25.64	0.005	18	0.34	2.121	16	33.6	25.73	16	33.6	K0 J	14	14466	E -2316549
86		9.0R	49 2.240	-0.0004	17	-29 49 39.89	-0.006	17	0.31	2.246	16	33.6	39.79	16	33.6	G0 J	13B	13738	J -3018226
87		9.1A	49 6.899	0.0011	20	-20 2 3.57	-0.070	15	0.33	6.882	16	33.6	2.42	16	33.6	G0 J	13A	0946	A -20 6053
88		9.3R	49 8.778	0.0005	18	-23 6 59.31	0.024	18	0.34	8.770	16	33.6	59.71	16	33.6	K2 J	14	14467	E -2316552
89		9.0R	49 21.877	0.0026	20	-28 35 52.36	0.013	20	0.36	21.834	16	33.6	52.58	16	33.6	K0 J	13B	13741	J -2816960
90		8.7R	49 22.253	0.0044	18	-24 20 48.83	-0.024	18	0.34	22.181	16	33.6	48.43	16	33.6	K2 J	14	14468	E -2416321
91		9.2R	49 24.084	-0.0002	20	-26 17 39.17	-0.086	20	0.36	24.088	16	33.6	37.76	16	33.6	K0 J	14	14469	E -2615309
92		9.5R	49 24.986	0.0011	15	-24 40 48.23	0.017	15	0.29	24.967	16	33.6	48.51	16	33.6	K M	14	14470	E -2416322
93		9.6R	49 26.090	0.0042	18	-22 55 13.55	-0.045	18	0.34	26.020	16	33.6	12.82	16	33.6	G0 M	14	14471	E -2316553
94		7.2A	49 28.649	-0.0013	20	-21 25 11.80	0.005	15	0.33	28.671	16	33.6	11.89	16	33.6	K0 J	13A	0949	A -21 5852
95		8.8R	49 39.754	0.0031	20	-27 6 35.16	0.007	20	0.36	39.703	16	33.6	35.28	16	33.6	K0 J	13B	13742	J -2715092
96		9.4R	49 50.221	-0.0030	20	-22 16 12.57	0.069	20	0.36	50.269	16	33.6	13.70	16	33.6	G5 M	14	14472	E -2215053
97		9.2R	49 55.116	-0.0026	12	-27 47 16.91	-0.022	12	0.25	55.159	16	33.6	16.56	16	33.6	G5 M	13B	13745	J -2816967
98		8.3R	49 58.178	-0.0022	18	-24 24 14.00	-0.016	18	0.34	58.213	16	33.6	13.73	16	33.6	K0 J	14	14473	E -2416325
99		9.1R	49 59.519	0.0005	15	-23 50 21.26	-0.040	15	0.29	59.515	16	33.6	20.60	16	33.6	G0 J	14	14474	E -2416326
00		8.3R	50 2.617	-0.0001	20	-27 21 25.78	-0.022	20	0.36	2.619	16	33.6	25.43	16	33.6	K0 J	13B	13748	J -2715100

189800

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	EPOCH 1950 μ s	σ_μ ″.001	EPOCH 1950 δ_{1950} ° ′ ″	EPOCH 1950 μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	-20° 20H DM NUMBER
1		6.4Q	20 50 5.430	0.0072	05	-23 58 18.30	-0.051	05	0.29	5.025	09	93.9	15.53	09	96.1	G5	GC	29116K	C*-2416328
2		9.3R	50 8.139	0.0006	20	-23 45 20.82	-0.007	20	0.36	8.130	16	33.6	20.70	16	33.6	G M	14	14476	E -2416329
3		9.3A	50 15.995	-0.0008	20	-20 52 51.83	-0.063	15	0.33	16.007	16	33.6	50.79	16	33.6	GO J	13A	8953	A -21 5857
4		9.2R	50 18.737	-0.0027	20	-28 32 30.14	-0.024	20	0.36	18.781	16	33.6	29.75	16	33.6	F8 J	13B	13750	J -2816968
5		9.2R	50 19.311	-0.0003	17	-28 32 26.64	-0.004	17	0.31	19.316	16	33.6	26.58	16	33.6	F8 J	13B	13752	J -2816968
6		8.2T	50 19.944	0.0046	17	-28 12 49.89	-0.017	17	0.83	19.726	19	02.2	49.10	19	02.2	F8	GC	29124	C -2816969
7		8.9R	50 22.393	-0.0022	20	-25 14 5.15	-0.010	20	0.36	22.430	16	33.6	4.99	16	33.6	GO J	14	14477	E -2515097
8		9.3R	50 23.883	-0.0027	12	-23 45 22.70	-0.006	12	0.25	23.928	16	33.6	22.60	16	33.6	GO M	14	14478	E -2416333
9		9.0R	50 29.377	0.0011	18	-22 8 53.43	0.024	18	0.34	29.360	16	33.6	53.82	16	33.6	AO J	14	14479	E -2215058
10		9.3R	50 36.670	-0.0058	18	-23 1 21.50	-0.060	18	0.34	36.764	16	33.6	20.52	16	33.6	GO M	14	14480	E -2316562
11		8.6R	50 43.764	0.0004	18	-22 36 56.54	0.031	18	0.34	43.757	16	33.6	57.05	16	33.6	A2 J	14	14481	E -2215061
12		7.8T	50 57.803	0.0028	12	-26 30 30.92	-0.087	09	0.57	57.657	17	98.5	26.44	18	98.2	F5	GC	29135	C -2615323
13		9.3R	51 3.130	0.0039	15	-23 41 46.87	-0.031	15	0.29	3.066	16	33.6	46.35	16	33.6	GO J	14	14483	E -2316569
14		7.2T	51 5.154	0.0027	09	-24 28 13.74	-0.014	08	0.43	5.019	10	00.0	13.00	12	98.4	G5	GC	29138	C -2416339
15		6.5T	51 7.021	0.0021	12	-28 6 56.21	-0.023	10	0.61	6.914	15	98.3	54.99	17	95.8	M0	GC	29139	C -2816975
16		9.0R	51 23.942	0.0010	20	-26 2 41.78	-0.015	20	0.36	23.926	16	33.6	41.54	16	33.6	F5 J	14	14485	E -2615325
17		9.1R	51 26.314	0.0017	18	-22 34 31.09	0.020	18	0.34	26.286	16	33.6	31.42	16	33.6	M0 M	14	14487	E -2215066
18		7.5T	51 26.736	0.0018	13	-25 45 59.56	-0.063	11	0.64	26.643	15	98.8	56.27	17	98.1	K0	GC	29148	C 2615326
19		9.7R	51 30.353	0.0010	18	-22 17 13.95	-0.011	18	0.34	30.337	16	33.6	13.77	16	33.6	G M	14	14488	E -2215067
20		8.7A	51 31.494	-0.0011	15	-21 39 12.10	-0.040	11	0.26	31.513	16	33.6	11.44	16	33.6	GO J	13A	8961	A -22 5561
21		9.0R	51 33.524	-0.0036	20	-25 7 29.15	0.012	20	0.36	33.466	16	33.6	29.35	16	33.6		14	14489	E -2515110
22		9.2R	51 34.626	-0.0038	20	-25 9 54.23	0.025	20	0.36	34.689	16	33.6	54.64	16	33.6		14	14490	E -2515111
23		7.6T	51 36.204	0.0008	13	-28 7 17.31	0.009	13	0.70	36.166	17	00.1	17.79	19	99.1	K2	GC	29154	C -2816982
24		8.4R	51 43.707	-0.0008	21	-29 35 58.93	0.006	21	0.38	43.721	16	33.6	59.03	16	33.6	K0 J	13B	13757	J -2917418
25		9.0R	51 44.665	0.0004	17	-26 12 24.76	0.039	17	0.31	44.658	16	33.6	25.39	16	33.6	A5 J	14	14491	E -2615327
26		8.7R	51 45.197	0.0014	18	-22 1 39.13	0.020	18	0.34	45.174	16	33.6	39.45	16	33.6	A3 J	14	14492	E -2215071
27		9.1A	51 51.036	-0.0011	20	-21 8 23.99	-0.010	15	0.33	51.054	16	33.6	23.81	16	33.6	A2 J	13A	8964	A -21 5864
28		9.0R	51 52.618	-0.0039	18	-28 26 41.84	0.009	20	0.36	52.681	16	33.6	42.00	16	33.6	K M	13B	13758	J -2816984
29		9.5R	51 55.791	0.0020	18	-24 3 2.36	-0.009	18	0.34	55.758	16	33.6	2.20	16	33.6	G0 M	14	14493	E -2416348
30		9.7T	51 56.352	-0.0002	22	-28 1 25.52	-0.001	18	0.96	56.362	22	05.1	25.49	22	03.6	G5	GC	29163	C -2816985
31		8.1R	51 57.023	0.0003	18	-22 17 34.03	0.001	18	0.34	57.018	16	33.6	34.04	16	33.6	K0 J	14	14494	E -2215073
32		8.8R	52 0.538	0.0017	17	-29 33 14.65	-0.010	17	0.31	0.511	16	33.6	14.49	16	33.6	K0 J	13B	13760	J -2917422
33		8.7R	52 3.379	0.0032	20	-27 38 8.52	-0.009	20	0.36	3.327	16	33.6	8.38	16	33.6	K0 J	13B	13762	J -2715119
34		9.3R	52 4.658	0.0036	18	-22 30 14.16	0.011	18	0.34	4.598	16	33.6	14.35	16	33.6	G5 J	14	14495	E -2215075
35	10.8	10.2W	52 5.304	-0.0058	21	-29 58 21.00	0.029	21	0.44	5.409	22	31.8	21.53	21	31.8	K0 L	C7	11409	C -3018265
36		8.6R	52 7.906	0.0000	20	-28 40 58.40	-0.050	20	0.36	7.906	16	33.6	57.58	16	33.6	G0 J	13B	13763	J -2816988
37		8.6R	52 9.923	0.0002	18	-23 2 36.29	-0.044	18	0.34	9.920	16	33.6	35.58	16	33.6	K0 J	14	14496	E -2316583
38		9.4R	52 11.562	-0.0000	18	-23 54 30.10	-0.024	18	0.34	11.563	16	33.6	29.70	16	33.6	K0 M	14	14497	E -2416355
39		9.2R	52 13.792	-0.0006	20	-25 24 9.94	-0.006	20	0.36	13.801	16	33.6	9.84	16	33.6	K M	14	14498	E -2515118
40		8.7R	52 19.945	-0.0043	21	-29 1 51.58	0.015	21	0.38	20.015	16	33.6	51.83	16	33.6	F5 J	13B	13765	J -2917423
41		8.5R	52 22.713	0.0002	18	-24 25 33.88	0.018	18	0.34	22.710	16	33.6	34.16	16	33.6	K0 J	14	14500	E -2416357
42		8.8T	52 23.221	0.0034	14	-26 18 14.88	-0.020	10	0.63	23.053	18	00.7	13.83	18	98.7	K0	GC	29175	C -2615334
43		8.2R	52 25.132	0.0011	18	-22 18 53.62	-0.030	18	0.34	25.114	16	33.6	53.12	16	33.6	G5 J	14	14501	E -2215081
44		9.1A	52 31.114	-0.0001	20	-21 18 25.07	0.010	15	0.33	31.115	16	33.6	25.23	16	33.6	K0 J	13A	8970	A -21 5864
45		9.0R	52 42.290	-0.0020	18	-27 37 53.53	0.023	18	0.34	42.323	16	33.6	53.91	16	33.6	F8 J	13B	13769	J -2715126
46		9.4R	52 44.431	-0.0007	20	-27 6 59.50	-0.074	20	0.36	44.443	16	33.6	58.30	16	33.6	G0 M	13B	13770	J -2715127
47		9.0A	52 47.977	0.0006	20	-20 0 33.47	0.008	15	0.33	47.967	16	33.6	33.60	16	33.6	A5 J	13A	8972	A -20 6070
48		9.0R	53 0.590	0.0016	21	-23 28 16.71	0.073	21	0.38	0.563	16	33.6	17.91	16	33.6	G0 J	14	14502	E 2316592
49		8.9R	53 7.812	0.0057	17	-27 49 40.47	-0.099	17	0.31	7.718	16	33.6	38.85	16	33.6	K0 M	13B	13773	J -2816995
50		8.4R	53 12.236	0.0047	12	-29 15 45.13	-0.025	12	0.25	12.159	16	33.6	44.72	16	33.6	K0 J	13B	13774	J -2917434
51		8.7R	20 53 12.293	0.0014	18	-25 23 7.29	-0.010	18	0.34	12.271	16	33.6	7.13	16	33.6	F5 J	14	14503	E -2515127
52		9.0R	53 15.805	0.0004	18	-22 17 14.22	0.030	18	0.34	15.798	16	33.6	14.71	16	33.6	K0 J	14	14504	E -2215089
53		8.8R	53 23.100	0.0014	18	-24 8 14.83	0.032	18	0.34	23.078	16	33.6	15.35	16	33.6	K5 J	14	14505	E -2416367
54		8.6R	53 28.969	-0.0011	18	-27 24 1.46	-0.038	18	0.34	28.987	16	33.6	0.85	16	33.6	K2 J	13B	13776	J -2715134
55		9.2A	53 36.014	0.0009	20	-20 46 35.89	0.012	15	0.33	35.998	16	33.6	36.10	16	33.6	G0 J	13A	8977	A -21 5871
56		5.8T	53 49.250	0.0070	04	-26 29 18.12	-0.063	05	0.25	48.912	10	01.8	14.98	10	00.6	F8	GC	29213	C -2615344
57		9.4R	53 49.714	-0.0011	15	-24 37 9.97	-0.006	15	0.29	49.732	16	33.6	9.87	16	33.6	K M	14	14507	E -2416371
58		9.3R	53 53.541	0.0017	18	-27 22 19.05	-0.028	18	0.34	53.513	16	33.6	18.60	16	33.6	F5 J	13B	13780	J -2715137
59		9.1R	53 55.510	0.0008	18	-27 2 3.08	-0.034	18	0.34	55.497	16	33.6	2.53	16	33.6	F8 J	13B	13781	J -2715139
60		9.3A	53 58.287	0.0003	20	-20 13 31.43	-0.034	15	0.33	58.283	16	33.6	30.87	16	33.6	G J	13A	8979	A -20 6076
61		7.9R	53 59.374	0.0014	15	-22 11 54.83	0.011	15	0.29	59.352	16	33.6	55.01	16	33.6	K0 J	14	14508	E -2215093
62		8.7R	54 7.594	-0.0022	18	-23 51 27.39	-0.042	18	0.34	7.631	16	33.6	26.70	16	33.6	G0 J	14	14510	E -2416377
63		9.1R	54 7.999	0.0037	20	-29 26 0.70	0.010	20	0.36	7.939	16	33.6	0.87	16	33.6		13B	13783	J -2917444
64		9.1R	54 8.314	0.0013	20	-29 22 0.53	-0.049	20	0.36	8.292	16	33.6	-59.73	16	33.6		13B	13784	J -2917445
65		9.0R	54 17.044	-0.0036	17	-28 40 45.31	-0.022	17	0.31	17.102	16	33.6	44.95	16	33.6	K M	13B	13787	J -2817009
66		9.2R	54 21.175	0.0004	17	-29 32 25.58	-0.067	17	0.31	21.170	16	33.6	24.48	16	33.6		13B	13788	J -2917446
67		8.4R	54 21.387	0.0043	20	-28 32 6.77	0.002	20	0.36	21.317	16	33.6	6.80	16	33.6	F5 J	13B	13789	J -2817011
68		8.0R	54 22.065	0.0011	18	-24 2 20.31	-0.000	18	0.34	22.046	16	33.6	20.30	16	33.6	F5 J	14	14511	E -2416379
69		9.4R	54 22.456	-0.0021	18	-27 38 39.58	-0.003	18	0.34	22.490	16	33.6	39.54	16	33.6	A5 J	13B	13790	J -2715145
70		8.8R	54 33.980	0.0018	15	-27 15 10.84	-0.013	15	0.29	33.951	16	33.6	10.64	16	33.6	G0 J	13B	13791	J -2715146
71		9.8R	54 34.694	0.0002	20	-22 35 22.77	0.003	00	0.28	34.691	16	33.6	22.82	16	33.6		14	14513	E*-2215097
72		9.1R	54 39.054	-0.0032	18	-22 7 29.99	-0.011	18	0.34	39.107	16	33.6	29.80	16	33.6	K5 M	14	14514	E -2215098
73		8.9T	54 41.458	0.0041	20	-27 56 20.17	-0.030	22	0.98	41.273	22	04.4	18.84	22	04.9	A2	GC	29235	C -2817014
74		8.3T	54 44.085	0.0021	12	-24 40 58.56	-0.036	11	0.64	43.982	21	99.5	56.61	21	96.0	F5	GC	29238	C*-2416382
75		9.2A	54 44.301	0.0003	20	-20 14 4.40	-0.035	15	0.33	44.297	16	33.6	3.83	16	33.6	G5 J	13A	8985	A -20 6079
76		8.3R	54 45.964	0.0021	20	-25 4 46.20	-0.002	20	0.36	45.930	16	33.6	46.17	16	33.6	K2 J	14	14516	E -2515138
77		8.7R	54 47.232	0.0001	13	-27 39 17.29	-0.015	13	0.27	47.229	16	33.6	17.06	16	33.6	G5 J	13B	13794	J -2715147
78		8.6T	54 48.940	-0.0026	16	-26 25 58.83	-0.022	17	0.80	49.061	22	03.2	57.79	22	03.8	K2	GC	29242	C -2615350
79		8.4R	54 53.676	0.0003	18	-21 44 59.00	-0.055	18	0.34	53.671	16	33.6	58.09	16	33.6	F5 J	14	14518	E -2215104
80		8.7T	54 58.483	0.0026	13	-24 45 30.47	-0.017	12	0.65	58.359	22	01.4	29.62	22	99.9	K2	GC	29248	C -2515141
81		8.9A	54 59.631	-0.0028	15	-21 24 42.75	0.007	13	0.28	59.676	16	33.6	42.87	16	33.6	K0 J	13A	8989	A -21 5876
82		8.7A	55 4.175	-0.0083	20	-20 16 1.55	-0.164	15	0.33	4.312	16	33.6	-58.87	16	33.6	G5 J	13A	8990	A -20 6081
83		9.0R	55 11.274	0.0012	18	-23 8 59.60	0.013	18	0.34	11.254	16	33.6	59.82	16	33.6	G5 J	14	14520	E -2316615
84		8.9R	55 18.870	-0.0008	20	-25 2 20.22	0.020	20	0.36	18.883	16	33.6	20.55	16	33.6	A0 J	14	14522	E -2515145
85		9.0R	55 19.512	0.0027	18	-23 46 16.45	0.035	18	0.34	19.468	16	33.6	17.02	16	33.6	K2 M	14	14523	E -2416385
86	10.3	9.8W	55 19.742	0.0007	21	-29 53 36.20	0.029	21	0.44	19.728	22	31.8	36.73	21	31.8	K0	C7	11443	C -3018302
87		9.4R	55 20.168	0.0011	15	-22 41 22.61	-0.030	15	0.29	20.150	16	33.6	22.12	16	33.6	M M	14	14524	E -2215109
88		9.0R	55 20.203	0.0029	18	-26 32 40.17	-0.037	18	0.34	20.155	16	33.6	39.57	16	33.6	K2 J	14	14521	E -2615356
89		8.8A	55 21.236	-0.0003	20	-21 31 45.15	-0.013	15	0.33	21.241	16	33.6	44.93	16	33.6	F8 J	13A	8992	A -21 5878
90		9.3R	55 31.563	-0.0053	17	-28 1 28.36	-0.031	17	0.31	31.649	16	33.6	27.86	16	33.6	M M	13B	13798	J -2817024
91		9.0R	55 43.619	0.0098	17	-28 26 13.51	-0.050	17	0.31	43.459	16	33.6	12.70	16	33.6	G0 J	13B	13799	J -2817028
92		9.1R	55 43.731	0.0011	18	-27 31 49.23	-0.042	18	0.34	43.712	16	33.6	48.55	16	33.6	F8 J	13B	13800	J -2715157
93		9.2A	55 47.224	0.0015	20	-20 20 6.59	0.009	15	0.33	47.200	16	33.6	6.74	16	33.6	A3 J	13A	8993	A -20 6086
94		8.4R	55 47.475	0.0012	18	-26 12 4.39	-0.049	15	0.31	47.454	16	33.6	3.58	16	33.6	K2 J	14	14525	E -2615358
95		8.9A	55 51.994	-0.0014	20	-20 30 21.62	0.002	15	0.33	52.017	16	33.6	21.66	16	33.6	K0 J	13A	8994	A -20 6087
96		9.3R	55 54.951	0.0018	17	-29 23 37.42	0.008	17	0.31	54.922	16	33.6	37.55	16	33.6		13B	13801	J -2917459
97		9.5R	55 58.781	0.0011	15	-23 16 21.83	-0.007	15	0.29	58.764	16	33.6	21.72	16	33.6	F8 M	14	14526	E -2316624
98		8.9R	56 3.039	-0.0016	18	-27 26 41.01	-0.007	18	0.34	3.065	16	33.6	40.90	16	33.6	F5 J	13B	13802	J -2715164
99		9.4R	56 4.569	-0.0024	15	-24 16 16.41	-0.007	15	0.29	4.608	16	33.6	16.29	16	33.6		14	14527	E -2416392
00		8.2R	56 8.125	0.0126	18	-25 34 21.34	-0.260	18	0.34	7.918	16	33.6	17.09	16	33.6	G0 J	14	14528	E -2515153

189900

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	CAT.	STAR NUMBER	DM NUMBER
1		9.1R	20 56 9.047	0.0072	20	-28 39 30.32	0.013	20	0.36	8.928	16	33.6	30.53	16	33.6	F M	13B	13804	J -2817031
2		9.2R	56 30.382	-0.0053	21	-29 38 32.24	-0.015	21	0.38	30.469	16	33.6	32.00	16	33.6	AG M	13B	13808	J -2917463
3		8.4A	56 32.616	0.0025	20	-20 38 21.06	-0.007	15	0.33	32.575	16	33.6	20.94	16	33.6	GD J	13A	9001	A -20 6090
4		8.1T	56 33.368	-0.0040	13	-27 12 59.71	-0.239	15	0.73	33.570	18	98.9	47.82	19	00.2	GS	GC	29275	C -2715173
5		9.0R	56 42.024	0.0001	18	-23 53 21.55	-0.087	18	0.34	42.022	16	33.6	20.12	16	33.6	GD J	14	14529	E -2416399
6		9.0R	56 48.425	0.0014	18	-24 4 26.88	0.022	18	0.34	48.403	16	33.6	27.23	16	33.6	KD J	14	14530	E -2416402
7		9.0R	56 52.963	0.0013	20	-29 9 58.70	0.005	20	0.36	52.941	16	33.6	58.78	16	33.6	KS J	13B	13816	J -2917469
8		8.9A	56 53.415	0.0140	20	-20 40 2.56	0.027	15	0.33	53.186	16	33.6	3.01	16	33.6	GS J	13A	9004	A -21 5888
9		9.2R	57 2.182	0.0022	20	-29 17 26.11	0.015	20	0.36	2.147	16	33.6	26.35	16	33.6		13B	13819	J -2917470
10		8.3R	57 3.210	0.0017	20	-29 40 19.84	-0.007	20	0.36	3.183	16	33.6	19.73	16	33.6	KS J	13B	13820	J -2917471
11		9.1R	57 5.269	0.0067	18	-21 48 7.36	0.041	18	0.34	5.159	16	33.6	8.03	16	33.6	GD J	14	14532	E -2215129
12		8.3R	57 6.277	-0.0010	18	-22 53 59.48	0.003	18	0.34	6.293	16	33.6	59.53	16	33.6	FB J	14	14533	E -2316630
13		9.2R	57 8.834	-0.0001	20	-26 45 6.09	0.033	20	0.36	8.835	16	33.6	6.64	16	33.6	K M	14	14531	E -2715177
14		8.9A	57 11.262	0.0003	20	-20 10 32.26	0.011	15	0.33	11.258	16	33.6	32.44	16	33.6	KD J	13A	9007	A -20 6094
15		8.7R	57 11.607	0.0017	18	-22 56 48.40	0.009	18	0.34	11.579	16	33.6	48.55	16	33.6	GS J	14	14534	E 2316631
16		9.0R	57 18.847	-0.0001	18	-22 31 31.28	0.033	18	0.34	18.849	16	33.6	31.83	16	33.6	GD J	14	14535	E -2215130
17		9.1R	57 19.051	0.0036	20	-29 11 52.37	-0.027	20	0.36	18.992	16	33.6	51.93	16	33.6	AS J	13B	13821	J -2917473
18		7.9T	57 20.593	0.0045	12	-27 32 18.07	-0.072	09	0.57	20.368	18	99.6	14.36	18	98.2	KD	GC	29301	C -2715178
19		8.6R	57 21.235	0.0029	17	-29 49 47.18	-0.033	17	0.31	21.188	16	33.6	46.64	16	33.6	KS M	13B	13822	J -3018321
20		9.2R	57 26.145	0.0035	18	-23 26 23.53	0.013	18	0.34	26.088	16	33.6	23.75	16	33.6	A2 J	14	14536	E -2316633
21		9.4R	57 28.500	0.0004	18	-23 48 50.59	0.019	18	0.34	28.493	16	33.6	50.90	16	33.6	FB J	14	14537	E -2416408
22		9.5R	57 28.865	0.0010	20	-29 49 38.44	-0.051	20	0.36	28.850	16	33.6	37.61	16	33.6		13B	13824	J -3018324
23		9.2R	57 37.369	-0.0016	12	-23 54 42.59	-0.020	12	0.25	37.395	16	33.6	42.26	16	33.6	FB J	14	14538	E -2416411
24		8.8R	57 41.569	0.0005	20	-28 58 52.93	0.024	20	0.36	41.560	16	33.6	53.32	16	33.6	F2 J	13B	13826	J -2917476
25		8.4R	57 46.447	-0.0007	20	-28 31 1.57	0.011	20	0.36	46.458	16	33.6	1.75	16	33.6	KD J	13B	13828	J -2817047
26		8.6R	57 54.244	0.0012	20	-28 6 33.75	-0.064	20	0.36	54.224	16	33.6	32.71	16	33.6	KD J	13B	13832	J -2817050
27		8.3R	57 54.253	-0.0006	20	-27 14 38.29	0.044	20	0.36	54.262	16	33.6	39.02	16	33.6	F5 J	13B	13833	J -2715183
28		9.0R	57 56.337	-0.0002	17	-25 43 51.84	-0.002	17	0.31	56.341	16	33.6	51.82	16	33.6	K5 M	14	14539	E -2615372
29		8.3R	57 59.429	0.0011	20	-28 25 27.29	0.031	20	0.36	59.411	16	33.6	27.81	16	33.6	K2 J	13B	13834	J -2817051
30		7.1T	58 2.291	0.0014	11	-29 55 29.36	-0.049	12	0.64	2.215	17	96.2	26.70	17	95.7	AD	GC	29320	C -3018336
31		8.5A	58 3.359	0.0018	18	-20 6 49.28	0.016	13	0.30	3.329	16	33.6	49.54	16	33.6	F2 J	13A	9011	A -20 6096
32		8.7R	58 4.289	-0.0032	17	-29 4 21.14	-0.028	17	0.31	4.341	16	33.6	20.68	16	33.6	GS J	13B	13836	J -2917478
33		8.0T	58 5.445	0.0012	12	-29 56 46.53	-0.037	12	0.65	5.382	18	97.8	44.56	18	96.7	AS	GC	29325	C -3018337
34		9.2R	58 8.361	0.0016	18	-22 44 37.20	-0.042	18	0.34	8.335	16	33.6	36.52	16	33.6	GD J	14	14541	E -2316644
35		9.3R	58 9.335	0.0042	18	-23 51 46.90	0.020	18	0.34	9.266	16	33.6	47.22	16	33.6	F5 J	14	14540	E -2416419
36		9.0R	58 14.576	0.0005	18	-24 30 28.47	0.009	18	0.34	14.567	16	33.6	28.62	16	33.6	KD J	14	14542	E -2416421
37		8.0R	58 21.976	0.0038	18	-23 4 27.06	0.005	18	0.34	21.914	16	33.6	27.15	16	33.6	F5 J	14	14543	E -2316648
38		9.7T	58 22.228	0.0028	16	-21 54 16.64	-0.037	17	0.81	22.096	22	02.2	14.90	21	02.5	K2	GC	29336	C -2817054
39		8.9A	58 23.133	0.0040	20	-21 38 41.49	-0.055	15	0.33	23.067	16	33.6	40.58	16	33.6	F8 J	13A	9013	A -22 5586
40		7.6R	58 31.010	-0.0012	18	-23 16 31.05	-0.014	18	0.34	31.029	16	33.6	30.83	16	33.6	KS J	14	14544	E -2316649
41		7.4T	58 34.055	0.0015	11	-28 0 1.26	0.022	12	0.66	33.978	21	97.3	2.44	19	97.2	KD	GC	29340	C -2817057
42		5.9T	58 47.412	0.0012	05	-27 4 40.09	-0.021	05	0.26	47.356	10	04.1	39.10	10	02.0	A2	GC	29344	C -2715197
43		8.4R	58 48.053	0.0017	18	-23 59 45.38	-0.024	18	0.34	48.025	16	33.6	44.98	16	33.6	GD J	14	14545	E -2416423
44		9.4R	58 50.362	-0.0003	18	-22 25 57.82	-0.029	18	0.34	50.515	16	33.6	57.34	16	33.6	GS J	14	14546	E -2215145
45		8.7R	58 54.738	0.0026	20	-29 51 8.16	-0.033	20	0.36	54.696	16	33.6	7.62	16	33.6	KD J	13B	13846	J -3018346
46		9.1R	58 58.969	0.0110	18	-22 46 43.01	-0.043	18	0.34	58.789	16	33.6	42.31	16	33.6	KD J	14	14547	E -2316657
47		9.2R	59 4.647	0.0040	20	-28 53 43.10	0.029	20	0.36	4.581	16	33.6	43.58	16	33.6		13B	13847	J -2917492
48		9.5R	59 6.856	0.0032	18	-24 26 15.01	-0.018	18	0.34	6.804	16	33.6	14.71	16	33.6	KD J	14	14548	E -2416428
49		8.9A	59 13.067	0.0000	20	-21 19 11.03	-0.008	15	0.33	13.066	16	33.6	10.89	16	33.6	KD J	13A	9017	A -21 5900
50		9.0R	59 13.418	0.0037	20	-29 2 25.64	-0.036	20	0.36	13.358	16	33.6	25.05	16	33.6		13B	13849	J -2917496
51		8.6A	20 59 15.370	0.0011	18	-21 31 46.25	-0.001	13	0.30	15.352	16	33.6	46.23	16	33.6	GS J	13A	9018	A -21 5901
52		9.5R	59 18.711	0.0021	18	-22 58 10.47	0.017	18	0.34	18.677	16	33.6	10.76	16	33.6	GD J	14	14549	E -2316660
53		8.9A	59 19.185	0.0010	20	-21 36 47.89	-0.030	15	0.33	19.169	16	33.6	47.40	16	33.6	GD J	13A	9019	A -21 5902
54		9.2R	59 25.469	0.0018	15	-27 14 32.74	0.007	15	0.29	25.440	16	33.6	32.86	16	33.6	F5 J	13B	13851	J -2715203
55		8.7A	59 26.422	0.0017	20	-20 31 58.13	0.004	15	0.33	26.393	16	33.6	58.19	16	33.6	KD J	13A	9020	A -20 6102
56		8.8R	59 34.126	0.0000	12	-24 49 17.01	-0.017	12	0.25	34.126	16	33.6	16.73	16	33.6	M1 M	14	14550	E -2515183
57		7.8R	59 35.550	0.0055	20	-25 4 22.99	-0.005	20	0.36	35.461	16	33.6	22.91	16	33.6	G5 J	14	14551	E -2515184
58		9.5R	59 38.218	0.0023	20	-25 21 6.68	0.001	20	0.36	38.181	16	33.6	6.70	16	33.6	K M	14	14552	E -2515186
59		9.1A	59 42.543	0.0004	20	-20 37 57.89	0.010	15	0.33	42.537	16	33.6	58.07	16	33.6	GD J	13A	9024	A -20 6104
60		8.7R	59 42.615	-0.0013	18	-22 30 42.73	0.006	18	0.34	42.635	16	33.6	42.84	16	33.6	KD J	14	14553	E -2215155
61		9.6R	59 49.129	-0.0008	20	-25 26 26.34	0.006	20	0.36	49.142	16	33.6	26.44	16	33.6		14	14554	E -2515189
62		9.5R	59 51.912	-0.0032	20	-25 31 41.62	-0.039	20	0.36	51.964	16	33.6	40.97	16	33.6		14	14555	E -2515190
63		6.8T	59 56.382	0.0002	12	-29 18 31.36	-0.021	12	0.63	56.373	15	00.7	30.32	18	99.8	AD	GC	29370	C -2917504
64		9.5R	21 0 4.779	-0.0016	18	-23 7 51.51	-0.052	18	0.34	4.804	16	33.6	50.67	16	33.6	GD J	14	14556	E -2316666
65		8.5R	0 9.216	0.0044	18	-22 9 59.16	-0.010	18	0.34	9.144	16	33.6	58.99	16	33.6	KD J	14	14557	E -2215157
66		6.2T	0 11.496	0.0027	11	-27 55 46.42	-0.042	12	0.64	11.356	18	97.6	44.23	18	97.3	KD	GC	29372K	C*-2817077
67		9.6R	0 11.649	-0.0027	20	-29 8 22.50	-0.056	20	0.36	11.692	16	33.6	21.58	16	33.6		13B	13858	J -2917506
68		7.6T	0 21.967	0.0032	08	-25 16 22.57	-0.013	07	0.41	21.825	15	05.4	21.85	14	93.6	AD	GC	29375	C -2515195
69		9.6R	0 27.562	0.0027	18	-23 59 52.79	-0.003	18	0.34	27.517	16	33.6	52.74	16	33.6	KD J	14	14559	E -2416438
70		9.0R	0 31.202	0.0056	13	-28 54 0.37	0.016	13	0.27	31.111	16	33.6	0.63	16	33.6	GD J	13B	13862	J -2917508
71		8.3R	0 31.637	-0.0004	18	-21 44 7.00	-0.012	18	0.34	31.644	16	33.6	6.80	16	33.6	KD J	14	14560	E -2215163
72		8.8R	0 35.920	0.0058	20	-28 6 22.71	-0.048	20	0.36	35.824	16	33.6	21.94	16	33.6	GD J	13B	13863	J -2817079
73		8.7R	0 44.250	-0.0015	18	-22 50 17.09	-0.019	18	0.34	44.275	16	33.6	16.79	16	33.6	GD J	14	14562	E -2316668
74		9.2R	0 48.763	0.0012	18	-22 21 53.52	0.002	18	0.34	48.743	16	33.6	53.55	16	33.6	GS M	14	14563	E -2215164
75		7.7T	0 53.206	0.0032	13	-24 31 16.80	-0.011	12	0.67	53.048	22	00.2	16.23	21	97.9	F5	GC	29399K	C*-2416443
76		8.6R	0 55.178	-0.0015	18	-27 14 23.08	-0.013	18	0.34	55.203	16	33.6	22.88	16	33.6	K2 J	13B	13865	J -2715217
77		9.0R	0 59.459	0.0001	18	-22 30 3.60	0.014	18	0.34	59.457	16	33.6	3.84	16	33.6	F5 J	14	14566	E -2215166
78		9.4R	0 59.821	0.0012	18	-21 54 59.26	-0.012	18	0.34	59.801	16	33.6	59.06	16	33.6	F8 J	14	14567	E -2215167
79		9.5R	1 0.459	-0.0002	18	-23 49 42.15	0.027	18	0.34	0.462	16	33.6	42.58	16	33.6	GD J	14	14565	E -2416444
80		8.6A	1 1.521	0.0023	18	-20 56 48.07	0.000	13	0.30	1.483	16	33.6	48.08	16	33.6	F5 J	13A	9034	A -21 5907
81		8.1R	1 12.003	0.0011	12	-29 20 47.91	-0.075	12	0.25	11.985	16	33.6	46.68	16	33.6	F8 J	13B	13866	J -2917521
82		8.5T	1 22.328	0.0007	15	-27 43 51.32	0.002	18	0.82	22.296	22	02.0	51.43	22	02.9	KD	GC	29415	C -2817089
83		9.0R	1 30.799	-0.0003	20	-25 46 30.44	0.029	20	0.36	30.805	16	33.6	30.92	16	33.6	KD J	14	14569	E -2615404
84		8.1R	1 31.048	0.0041	20	-26 56 4.25	0.014	20	0.36	30.981	16	33.6	4.49	16	33.6	A2 J	13B	13869	J -2715222
85		9.4R	1 31.167	-0.0024	18	-22 22 39.42	-0.003	18	0.34	31.206	16	33.6	39.37	16	33.6	F5 J	14	14570	E -2215178
86		4.9T	1 33.704	-0.0025	02	-20 3 14.10	-0.035	02	0.09	33.820	04	04.2	12.47	04	03.2	A3	GC	29419	B*-20 6115
87		9.3R	1 35.499	-0.0023	15	-22 42 33.01	-0.003	15	0.29	35.536	16	33.6	32.97	16	33.6	K M	14	14571	E -2316675
88		9.2R	1 45.014	0.0022	20	-27 17 41.46	0.018	20	0.36	44.978	16	33.6	41.76	16	33.6	GD M	13B	13871	J -2715226
89		8.8R	1 59.063	0.0013	18	-22 42 4.30	0.028	18	0.34	59.042	16	33.6	4.76	16	33.6	KD J	14	14572	E -2215182
90		9.2R	1 59.444	-0.0074	18	-27 23 57.72	-0.125	18	0.34	59.565	16	33.6	55.68	16	33.6	G5 J	13B	13873	J -2715230
91		8.6R	2 1.481	0.0032	18	-23 48 53.75	0.014	18	0.34	1.429	16	33.6	53.97	16	33.6	GD J	14	14573	E -2416454
92		9.0R	2 5.502	-0.0011	15	-26 21 44.22	0.022	15	0.29	5.520	16	33.6	44.59	16	33.6	K M	14	14575	E -2615408
93		8.7R	2 8.911	0.0034	18	-21 57 15.83	0.022	18	0.34	8.856	16	33.6	16.19	16	33.6	K5 J	14	14576	E -2215183
94		9.5R	2 10.581	0.0040	18	-22 53 25.97	0.017	18	0.34	10.515	16	33.6	26.26	16	33.6	F8 J	14	14577	E -2316680
95		9.1R	2 16.111	0.0020	18	-26 24 30.12	-0.041	18	0.34	16.079	16	33.6	29.44	16	33.6	K M	14	14578	E -2615411
96		8.9R	2 20.797	0.0004	12	-29 39 32.37	-0.032	12	0.25	20.792	16	33.6	31.85	16	33.6	FB J	13B	13875	J -2917535
97		8.5A	2 21.183	0.0060	18	-21 23 25.72	-0.000	13	0.30	21.085	16	33.6	25.72	16	33.6	KD J	13A	9043	A -21 5913
98		9.4R	2 22.449	0.0019	18	-21 46 52.89	-0.026	18	0.34	22.419	16	33.6	52.46	16	33.6	KD M	14	14579	E -2215185
99		8.7A	2 23.059	0.0017	20	-20 18 46.68	0.000	15	0.33	23.032	16	33.6	46.68	16	33.6	K2 J	13A	9044	A -20 6118
00		9.6R	2 33.174	-0.0025	18	-22 26 1.01	-0.024	18	0.34	33.215	16	33.6	0.61	16	33.6	G5 J	14	14581	E -2215187

SOURCE

-20°
20H

190000

-20° 21H

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	CAT.	SOURCE STAR NUMBER	DM NUMBER
1		9.2R	21 2 37.297	-0.0006	15	-27 27 2.12	0.003	15	0.29	37.306	16	33.6	2.18	16	33.6	A0 J	13B	13877	J -2715235
2		9.0R	2 43.743	-0.0004	12	-29 19 35.86	0.006	12	0.25	43.750	16	33.6	35.96	16	33.6	F2 J	13B	13878	J -2917539
3		9.1R	2 44.221	0.0047	20	-27 14 27.38	-0.029	20	0.36	44.144	16	33.6	26.91	16	33.6	F8 J	13B	13880	J -2715236
4		9.4R	2 44.785	0.0015	18	-23 4 26.09	-0.004	18	0.34	44.760	16	33.6	26.03	16	33.6	K0 J	14	14582	E -2316686
5		8.7A	2 52.121	-0.0009	20	-21 9 15.41	0.026	15	0.33	52.135	16	33.6	15.83	16	33.6	K2 J	13A	9045	A -21 5917
6		9.3R	3 5.811	0.0034	18	-24 23 38.58	0.031	18	0.34	5.755	16	33.6	39.08	16	33.6	G0 J	14	14583	E -2416466
7		9.2A	3 9.878	0.0025	18	-21 13 13.07	-0.002	15	0.31	9.836	16	33.6	13.05	16	33.6	G0 J	13A	9046	A -21 5920
8		9.2R	3 21.784	0.0021	18	-23 47 6.04	-0.019	18	0.34	21.750	16	33.6	5.72	16	33.6		14	14584	E -2416467
9		9.5R	3 32.357	0.0058	18	-22 29 9.27	0.010	18	0.34	32.261	16	33.6	9.43	16	33.6	F8 J	14	14585	E -2215195
10		8.9R	3 42.025	0.0060	20	-27 6 32.21	0.063	20	0.36	41.926	16	33.6	33.25	16	33.6	G5 J	13B	13886	J -2715246
11		9.2R	3 44.755	-0.0037	15	-23 47 59.87	0.018	15	0.29	44.815	16	33.6	+ 0.16	16	33.6	A0 J	14	14586	E -2416473
12		9.2R	3 46.154	0.0047	18	-22 12 31.89	-0.010	18	0.34	46.076	16	33.6	31.72	16	33.6	F8 J	14	14587	E -2215197
13		9.0R	3 49.707	-0.0011	12	-29 22 26.91	0.007	12	0.25	49.724	16	33.6	27.02	16	33.6	F5 J	13B	13887	J -2917553
14		6.7T	3 50.838	-0.0031	05	-20 22 52.63	-0.008	06	0.33	51.012	10	94.2	52.21	10	96.3	K0	GC	29476	-20 6127
15		8.8R	3 52.872	0.0017	17	-27 51 52.27	0.045	17	0.31	52.844	16	33.6	53.02	16	33.6	K5 J	13B	13888	J -2817112
16		9.2R	3 56.979	-0.0024	12	-23 47 23.57	-0.005	12	0.25	57.018	16	33.6	23.48	16	33.6	G5 J	14	14590	E -2416474
17		8.7R	3 57.456	0.0026	17	-24 51 12.68	-0.036	17	0.31	57.413	16	33.6	12.09	16	33.6	F0 J	14	14589	E -2515231
18		7.4T	3 57.537	0.0032	08	-23 25 1.91	0.017	09	0.45	57.374	15	98.4	2.80	15	98.1	G5	GC	29479	C*-2316698
19		7.7R	3 57.709	0.0007	20	-25 45 49.80	0.015	20	0.36	57.698	16	33.6	50.04	16	33.6	A0 J	14	14588	E -2615426
20		8.6R	3 57.818	0.0096	12	-28 39 1.51	0.023	17	0.28	57.661	16	33.6	1.89	16	33.6	G5 J	13B	13890	J -2817113
21		8.1R	3 58.592	0.0012	20	-29 47 10.17	-0.010	20	0.36	58.573	16	33.6	10.01	16	33.6	K0 J	13B	13889	J -3018392
22		9.2A	4 9.413	0.0043	20	-20 57 15.58	0.010	15	0.33	9.342	16	33.6	15.76	16	33.6	F0 J	13A	9050	A -21 5924
23		8.9A	4 9.626	0.0016	18	-20 16 4.86	-0.001	13	0.30	9.601	16	33.6	4.85	16	33.6	K2 J	13A	9051	A -20 6129
24		7.0T	4 9.639	0.0077	09	-23 21 2.97	0.030	07	0.45	9.228	12	96.3	4.65	12	94.6	F5	GC	29488	C -2316700
25		4.6H	4 12.403	-0.0017	02	-25 12 24.97	-0.041	02	0.09	12.456	04	18.3	23.65	05	17.4	M0	F4	791	C -2515235
26		8.8A	4 15.476	0.0019	20	-21 5 39.10	0.002	15	0.33	15.445	16	33.6	39.14	16	33.6	F8 J	13A	9052	A -21 5925
27		9.5T	4 16.634	0.0072	16	-27 35 9.00	-0.068	20	0.86	16.292	19	02.3	5.89	21	04.0	K0	GC	29493	C -2715253
28		7.1T	4 25.078	0.0048	10	-27 29 35.19	-0.033	10	0.56	24.821	15	96.9	33.40	17	95.0	A3	GC	29504	C -2715255
29		8.6A	4 28.744	0.0010	15	-20 42 6.43	0.024	11	0.26	28.727	16	33.6	6.83	16	33.6	K0 J	13A	9055	A -21 5928
30		8.9R	4 30.800	0.0051	20	-29 18 12.57	-0.024	20	0.36	30.717	16	33.6	12.18	16	33.6	G5 J	13B	13894	J -2917562
31		9.4R	4 35.373	-0.0024	20	-22 10 38.61	0.041	20	0.36	35.412	16	33.6	39.28	16	33.6	G0 J	14	14594	E*-2215203
32		9.0R	4 40.427	0.0051	20	-25 2 14.62	-0.006	20	0.36	40.343	16	33.6	14.52	16	33.6	F8 J	14	14595	E -2515242
33		9.2R	4 43.368	-0.0058	17	-22 21 54.63	0.001	17	0.31	43.464	16	33.6	54.64	16	33.6	K M	14	14596	E -2215205
34		9.2R	4 46.073	0.0011	17	-21 43 1.58	0.038	17	0.31	46.056	16	33.6	2.20	16	33.6	G0 J	14	14597	E -2215206
35		9.0R	4 50.021	0.0035	17	-29 24 30.11	0.078	17	0.31	49.963	16	33.6	31.39	16	33.6	F8 J	13B	13897	J -2917565
36		9.3R	4 53.143	0.0013	20	-27 0 12.64	0.013	20	0.36	53.122	16	33.6	12.87	16	33.6	G0 J	13B	13899	J -2715262
37		8.8A	4 59.145	0.0039	18	-20 14 16.31	-0.028	13	0.30	59.081	16	33.6	15.86	16	33.6	K0 J	13A	9060	A -20 6133
38		9.2R	5 1.061	-0.0008	20	-29 36 41.65	-0.020	20	0.36	1.075	16	33.6	41.33	16	33.6	G0 M	13B	13900	J -2917566
39		9.1R	5 2.665	-0.0008	18	-21 52 20.46	0.001	18	0.34	2.678	16	33.6	20.47	16	33.6	K0 J	14	14599	E -2215210
40		7.7R	5 3.275	0.0033	15	-22 32 14.23	-0.035	15	0.29	3.221	16	33.6	13.66	16	33.6	A5 J	14	14598	E -2215209
41		9.1A	5 3.675	0.0007	20	-21 19 15.46	0.007	15	0.33	3.663	16	33.6	15.59	16	33.6	F5 J	13A	9061	A -21 5929
42		9.0A	5 8.235	0.0019	20	-21 24 28.30	0.000	15	0.33	8.203	16	33.6	28.31	16	33.6	K0 J	13A	9062	A -21 5930
43		9.3R	5 11.181	-0.0008	18	-23 29 41.57	-0.001	18	0.34	11.193	16	33.6	41.56	16	33.6	G0 J	14	14600	E -2316715
44		8.6R	5 15.783	0.0054	20	-29 11 18.15	-0.004	20	0.36	15.695	16	33.6	18.09	16	33.6	F5 J	13B	13902	J -2917569
45		9.0A	5 20.497	0.0003	18	-21 11 46.38	0.019	13	0.30	20.491	16	33.6	46.69	16	33.6	K2 J	13A	9065	A -21 5931
46		8.6R	5 31.583	-0.0008	18	-26 42 8.18	0.053	18	0.34	31.595	16	33.6	9.06	16	33.6	K0 J	14	14601	E -2715266
47		7.9R	5 32.832	0.0009	20	-26 48 35.11	0.006	20	0.36	32.818	16	33.6	35.22	16	33.6	K5 J	13B	13903	J -2715267
48		9.2R	5 36.079	0.0018	20	-28 54 49.83	-0.006	20	0.36	36.049	16	33.6	49.73	16	33.6		13B	13904	J -2917574
49		7.4T	5 37.614	0.0005	11	-24 24 28.61	-0.027	12	0.63	37.585	19	95.6	27.17	21	97.2	K2	GC	29542	C -2416488
50		5.3T	5 41.937	0.0013	03	-21 23 44.70	-0.056	02	0.14	41.877	06	03.6	42.04	06	02.0	A0	GC	29543K	B*-21 5933
51		8.2R	21 5 43.677	0.0011	17	-29 44 10.40	-0.000	17	0.31	43.659	16	33.6	10.40	16	33.6	K0 J	13B	13905	J -3018409
52		8.1R	5 44.630	0.0047	15	-21 53 8.27	0.003	15	0.29	44.553	16	33.6	8.31	16	33.6	G0 J	14	14603	E -2215215
53		9.2R	5 55.996	0.0012	18	-23 7 58.67	-0.009	18	0.34	55.976	16	33.6	58.53	16	33.6	G5 J	14	14604	E -2316725
54		9.1R	5 59.409	-0.0003	15	-22 9 19.71	-0.004	15	0.29	59.414	16	33.6	19.64	16	33.6	G0 J	14	14605	E -2215217
55		7.0T	5 59.650	0.0033	07	-28 40 44.73	-0.132	06	0.28	59.512	09	07.9	38.89	09	05.7	G5	GC	29546K	C*-2817136
56		8.7R	6 4.007	0.0056	18	-27 12 36.81	0.016	18	0.34	3.916	16	33.6	37.08	16	33.6	F2 J	13B	13910	J -2715272
57		8.9R	6 7.190	0.0021	20	-29 17 0.03	0.016	20	0.36	7.156	16	33.6	0.29	16	33.6	M2 M	13B	13911	J -2917581
58		7.5R	6 9.844	0.0045	18	-27 18 38.84	0.016	18	0.34	9.770	16	33.6	39.11	16	33.6	K2 J	13B	13912	J -2715275
59		9.1R	6 14.954	0.0013	18	-25 48 43.00	-0.027	18	0.34	14.933	16	33.6	42.55	16	33.6	K0 J	14	14606	E -2615445
60		8.6R	6 15.105	0.0024	15	-24 59 12.60	0.023	15	0.29	15.067	16	33.6	12.98	16	33.6	G5 J	14	14607K	E -2515260
61		7.1T	6 18.326	0.0001	10	-23 49 49.21	0.016	09	0.56	18.319	18	95.7	50.12	17	92.2	K0	GC	29554	C*-2416495
62		8.5R	6 20.066	-0.0021	20	-28 18 37.92	0.022	20	0.36	20.100	16	33.6	38.28	16	33.6	A5 J	13B	13915	J -2817138
63		9.2R	6 21.489	0.0007	20	-29 39 46.47	-0.038	20	0.36	21.477	16	33.6	45.85	16	33.6		13B	13914	J -2917584
64		9.0R	6 22.704	-0.0003	20	-29 41 56.83	0.040	20	0.36	22.709	16	33.6	57.49	16	33.6	M M	13B	13916	J -2917585
65		6.9T	6 24.615	0.0019	06	-20 23 47.76	0.001	04	0.25	24.535	10	07.4	47.81	10	02.2	K0	GC	29559	B*-20 6140
66		9.2R	6 24.890	0.0041	20	-29 27 50.77	0.036	20	0.36	24.823	16	33.6	51.36	16	33.6	G5 J	13B	13917	J -2917586
67		9.1A	6 34.407	-0.0001	20	-20 41 38.57	-0.010	15	0.33	34.409	16	33.6	38.40	16	33.6	F5 J	13A	9073	A -21 5939
68		9.6R	6 38.493	-0.0001	15	-22 26 52.40	0.010	15	0.29	38.494	16	33.6	52.56	16	33.6	G5 M	14	14609	E -2215223
69		6.1T	6 41.624	0.0085	04	-20 45 30.12	-0.122	04	0.18	41.224	06	02.8	24.31	07	02.2	F0	GC	29567	B*-21 5940
70		8.8A	6 43.189	0.0040	20	-21 14 58.87	0.010	15	0.33	43.122	16	33.6	59.03	16	33.6	K0 J	13A	9075	A -21 5941
71		9.2R	6 44.529	-0.0014	20	-27 23 56.67	-0.080	20	0.36	44.552	16	33.6	55.37	16	33.6	G5 M	13B	13922	J -2715280
72		9.0R	6 47.413	-0.0007	15	-22 50 4.34	-0.009	15	0.29	47.424	16	33.6	4.20	16	33.6	K0 J	14	14610	E -2316732
73		9.0R	6 56.169	0.0009	20	-27 50 25.73	-0.036	20	0.36	56.154	16	33.6	25.15	16	33.6	K M	13B	13924	J -2817143
74		8.4R	6 57.105	0.0004	15	-24 36 17.30	0.048	15	0.29	57.099	16	33.6	18.09	16	33.6	G5 J	14	14611	E -2416499
75		9.2R	6 57.857	-0.0027	12	-25 9 4.84	-0.016	12	0.25	57.901	16	33.6	4.58	16	33.6	G0 J	14	14612	E -2515268
76		8.1R	7 1.079	0.0039	18	-26 21 55.00	-0.051	18	0.34	1.015	16	33.6	54.18	16	33.6	K0 J	14	14613	E -2615453
77		9.0R	7 2.668	0.0046	18	-25 46 6.17	0.049	18	0.34	2.592	16	33.6	6.98	16	33.6	F8 J	14	14615	E -2615454
78		8.7R	7 5.698	0.0036	18	-26 15 20.01	-0.029	18	0.34	5.639	16	33.6	19.55	16	33.6	K0 J	14	14616	E -2615455
79		6.6T	7 6.077	0.0015	09	-29 55 30.71	-0.005	07	0.49	5.992	15	93.8	30.42	14	91.0	K5	GC	29577	C*-3018415
80		8.4R	7 6.842	0.0030	18	-22 43 49.24	0.002	18	0.34	6.793	16	33.6	49.28	16	33.6	F8 J	14	14617	E -2316737
81		9.6R	7 9.802	0.0012	15	-21 47 7.85	-0.004	15	0.29	9.782	16	33.6	7.78	16	33.6	G0 J	14	14619	E -2215228
82		8.5R	7 12.419	0.0148	15	-25 1 36.19	-0.022	15	0.29	12.177	16	33.6	35.83	16	33.6	G0 J	14	14618	E -2515271
83		9.0R	7 14.498	-0.0008	18	-26 25 10.20	0.066	18	0.34	14.511	16	33.6	11.27	16	33.6	K2 J	14	14620	E -2615459
84		9.5R	7 24.029	0.0014	15	-22 15 16.63	0.005	00	0.23	24.005	16	33.6	16.71	16	33.6	K0 M	14	14621	E*-2215231
85		7.9T	7 30.826	0.0042	11	-28 41 44.29	-0.014	10	0.57	30.612	17	98.8	43.58	17	98.4	K2	GC	29584	C -2817148
86		9.2R	7 35.773	0.0022	15	-23 58 3.78	-0.026	15	0.29	35.736	16	33.6	3.35	16	33.6	G0 J	14	14622	E -2416506
87		7.3T	7 37.898	0.0022	09	-22 40 56.27	0.022	08	0.51	37.780	15	95.3	57.54	15	92.6	G5	GC	29586	C -23 436
88		8.3R	7 46.974	0.0088	15	-23 30 52.92	-0.089	15	0.29	46.831	16	33.6	51.45	16	33.6	G0 J	14	14624	E -2316743
89		8.6R	7 48.023	0.0027	17	-28 50 0.47	-0.008	17	0.31	47.979	16	33.6	0.34	16	33.6	G5 J	13B	13930	J -2917607
90		9.3R	7 50.935	0.0022	18	-22 46 21.30	-0.098	18	0.34	50.898	16	33.6	19.70	16	33.6	G5 J	14	14625	E -2316744
91		9.3R	7 56.309	-0.0009	18	-26 1 33.54	-0.005	18	0.34	56.323	16	33.6	33.45	16	33.6	K0 J	14	14626	E -2615470
92		8.7R	8 5.509	0.0010	17	-29 9 54.16	0.013	17	0.31	5.492	16	33.6	54.37	16	33.6	F0 J	13B	13933	J -2917611
93		8.2R	8 7.139	0.0015	15	-25 1 57.09	-0.002	15	0.29	7.113	16	33.6	57.06	16	33.6	K0 J	14	14628	E -2515284
94		9.4R	8 12.690	0.0000	12	-23 48 2.34	-0.047	15	0.27	12.689	16	33.6	1.56	16	33.6	F8 J	14	14630	E -2416511
95		8.4R	8 14.465	-0.0006	18	-26 41 12.45	-0.019	18	0.34	14.475	16	33.6	12.15	16	33.6	G5 J	14	14629	E -2615475
96		8.5R	8 16.524	0.0012	17	-29 5 18.35	-0.040	17	0.31	16.505	16	33.6	17.70	16	33.6	K5 J	13B	13934	J -2917613
97		8.8R	8 17.544	0.0025	12	-27 19 41.55	0.015	12	0.25	17.503	16	33.6	41.81	16	33.6	A5 J	13B	13935	J -2715293
98		9.4R	8 18.205	0.0049	18	-23 3 39.84	-0.089	18	0.34	18.125	16	33.6	38.39	16	33.6	G0 J	14	14631	E -2316750
99		9.0R	8 25.412	0.0003	18	-25 57 39.83	-0.008	18	0.34	25.406	16	33.6	39.69	16	33.6	K0 J	14	14632	E -2615477
00		9.4R	8 25.608	0.0004	18	-27 35 23.83	0.014	18	0.34	25.600	16	33.6	24.07	16	33.6	K0 M	13B	13936	J -2715295

190100			EPOCH 1950									ORIGINAL EPOCH							SP.		SOURCE		-20° 21H
NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	α_{1950} h m	α_{1950} s	μ s	σ_μ ".001	δ_{1950} ° ′	δ_{1950} ″	μ' ″	σ'_μ ".001	σ_{1950} ″	α_2 s	σ ".01	ep.	δ_2 ″	σ' ".01	ep.			CAT.	STAR NUMBER	DM NUMBER
1		9.3R	21	8 31.299	-0.0012	18	-25 9	58.55	-0.005	18	0.34	31.319	16	33.6	58.47	16	33.6	F8	J	14	14633	E -2515289
2		8.5R		8 40.514	-0.0047	22	-23 18	58.88	0.022	22	0.40	40.590	16	33.6	59.25	16	33.6	F5	J	14	14634	E -2316753
3		8.7R		8 41.138	-0.0002	12	-23 19	4.82	-0.013	12	0.25	41.141	16	33.6	4.61	16	33.6	F5	J	14	14635	E -2316753
4		9.2R		8 44.124	0.0022	15	-24 15	47.05	-0.007	15	0.29	44.089	16	33.6	46.93	16	33.6	K2	J	14	14636	E -2416516
5		9.2R		8 48.031	0.0001	15	-25 28	49.84	-0.004	15	0.29	48.029	16	33.6	49.78	16	33.6	G0	J	14	14637	E -2515291
6		9.5R		8 58.531	0.0014	18	-23 32	18.90	0.014	18	0.34	58.508	16	33.6	19.12	16	33.6	G0	J	14	14638	E -2316758
7		9.0R		8 58.629	0.0105	20	-29 33	55.85	-0.077	20	0.36	58.457	16	33.6	54.59	16	33.6	K0	M	13B	13942	J -2917623
8		9.4R		9 5.692	0.0005	17	-29 32	43.26	0.017	17	0.31	5.684	16	33.6	43.54	16	33.6	K5	M	13B	13944	J -2917624
9		9.0R		9 8.069	0.0009	15	-25 35	6.60	-0.007	15	0.29	8.054	16	33.6	6.49	16	33.6	F8	J	14	14639	E -2515293
10		8.1R		9 8.584	0.0017	18	-24 19	37.90	0.020	18	0.34	8.556	16	33.6	38.22	16	33.6	A0	J	14	14640	E -2416518
11		9.3A		9 9.181	-0.0016	20	-21 20	58.16	-0.007	15	0.33	9.207	16	33.6	58.06	16	33.6	K0	J	13A	9083	A -21 5955
12		9.0R		9 9.618	0.0016	18	-27 17	4.65	-0.025	18	0.34	9.592	16	33.6	4.25	16	33.6	F5	J	13B	13945	J -2715301
13		9.2R		9 12.111	0.0031	12	-22 44	58.29	0.021	12	0.25	12.059	16	33.6	58.64	16	33.6	F5	J	14	14641	E -2316761
14		A.1T		9 12.431	0.0023	12	-21 32	17.78	-0.042	09	0.52	12.334	18	07.3	15.73	18	01.6	F8		GC	29617	-21 6151
15	10.2	9.8W		9 13.307	-0.0013	21	-29 54	6.03	0.075	21	0.42	13.329	22	32.7	7.53	21	32.7	G2	L	C7	11569	C -3018440
16		8.5R		9 16.201	0.0038	18	-22 5	59.36	-0.018	18	0.34	16.139	16	33.6	59.06	16	33.6	G5	J	14	14642	E -2215253
17		9.3R		9 18.638	-0.0003	15	-22 16	56.01	-0.048	15	0.29	18.643	16	33.6	55.22	16	33.6	G0	J	14	14643	E -2215254
18		7.8T		9 19.803	0.0008	12	-28 6	37.67	-0.022	10	0.56	19.765	15	00.8	36.59	17	00.1	K2		GC	29623	C*-2817166
19		9.3R		9 30.862	0.0038	12	-24 50	43.31	0.033	12	0.25	30.799	16	33.6	43.85	16	33.6	K0	J	14	14644	E -2515296
20		9.4R		9 35.774	-0.0020	18	-25 47	21.41	0.002	18	0.34	35.806	16	33.6	21.45	16	33.6	K0	J	14	14645	E -2615483
21		9.4R		9 36.977	0.0035	18	-23 38	55.94	0.014	18	0.34	36.920	16	33.6	56.16	16	33.6	G0	J	14	14646	E -2316763
22		9.4R		9 39.526	0.0024	18	-21 44	49.89	0.019	18	0.34	39.487	16	33.6	50.20	16	33.6	G0	J	14	14647	E -2215257
23		9.1R		9 39.741	0.0017	12	-27 42	16.58	0.012	12	0.25	39.712	16	33.6	16.79	16	33.6	G5	J	13B	13949	J -2817170
24		9.3R		9 42.967	-0.0001	18	-21 59	6.62	-0.027	18	0.34	42.969	16	33.6	6.18	16	33.6	G5	J	14	14648	E -2215258
25		8.5A		9 45.668	-0.0020	15	-21 13	4.77	0.017	11	0.26	45.700	16	33.6	5.04	16	33.6	K0	J	13A	9087	A -21 5959
26		7.9R		9 51.472	-0.0029	18	-26 54	32.70	-0.029	18	0.34	51.519	16	33.6	32.23	16	33.6	A0	J	13B	13950	J -2715307
27		8.9A		10 12.568	-0.0001	20	-21 29	31.39	0.010	15	0.33	12.569	16	33.6	31.55	16	33.6	K0	J	13A	9089	A -21 5963
28		9.6T		10 18.912	0.0024	13	-24 18	19.26	-0.101	12	0.66	18.792	22	00.7	14.09	21	99.0	F8		GC	29651	C -2416524
29		5.5H		10 19.673	0.0074	02	-27 49	28.35	-0.116	02	0.08	19.423	04	16.2	24.40	04	16.0	K5		F4	1556	C -2817178
30		8.9R		10 21.612	-0.0011	17	-28 40	1.68	-0.043	17	0.31	21.630	16	33.6	0.97	16	33.6	A5	J	13B	13954	J -2817179
31		9.3A		10 23.519	0.0029	20	-20 54	30.21	-0.066	15	0.33	23.472	16	33.6	29.14	16	33.6	F8	J	13A	9090	A -21 5966
32		8.2R		10 23.969	0.0026	20	-28 59	23.42	-0.046	20	0.36	23.926	16	33.6	22.67	16	33.6	F5	J	13B	13955	J -2917638
33		7.5T		10 24.181	0.0014	07	-25 3	8.87	-0.024	06	0.32	24.119	10	05.3	7.75	10	02.0	K2		GC	29654	C -2515304
34		9.2R		10 24.778	-0.0002	20	-28 46	30.95	0.056	20	0.36	24.781	16	33.6	31.87	16	33.6	K2	M	13B	13956	J -2917637
35		8.1R		10 32.547	-0.0011	18	-22 58	6.46	-0.010	18	0.34	32.565	16	33.6	6.30	16	33.6	F8	J	14	14652	E -2316773
36		8.8R		10 33.690	0.0005	15	-25 4	52.84	0.002	15	0.29	33.682	16	33.6	52.87	16	33.6	F2	J	14	14651	E -2515305
37		8.1R		10 34.731	-0.0002	18	-22 45	8.66	-0.034	18	0.34	34.735	16	33.6	8.11	16	33.6	F5	J	14	14653	E -2316774
38		9.0R		10 39.416	0.0005	12	-29 4	27.19	0.033	12	0.25	39.407	16	33.6	27.73	16	33.6	K2	J	13B	13958	J -2917641
39		9.0R		10 43.591	0.0020	15	-25 23	3.30	0.022	15	0.29	43.559	16	33.6	3.66	16	33.6	F5	J	14	14654	E -2515306
40		9.1R		10 53.011	-0.0006	18	-22 17	52.76	0.052	18	0.34	53.021	16	33.6	53.61	16	33.6	K0	J	14	14655	E -2215264
41		9.3R		11 0.949	0.0066	18	-27 2	44.91	-0.037	18	0.34	0.840	16	33.6	44.31	16	33.6	F8	M	13B	13964	J -2715314
42		8.7R		11 1.557	0.0009	18	-22 16	9.90	0.078	18	0.34	1.543	16	33.6	11.17	16	33.6	G0	J	14	14656	E -2215265
43		7.5T		11 1.689	0.0197	09	-29 52	12.85	-0.029	09	0.52	0.613	17	95.4	11.25	15	94.7	G5		GC	29669	C -3018458
44		8.6R		11 3.219	-0.0054	17	-28 32	28.68	0.026	17	0.31	3.307	16	33.6	29.11	16	33.6	G0	J	13B	13965	J -2817181
45		9.5R		11 3.840	0.0014	15	-22 51	22.03	0.006	15	0.29	3.817	16	33.6	22.13	16	33.6	A0	J	14	14657	E -2316781
46		7.9T		11 7.208	0.0004	09	-20 17	43.01	0.020	08	0.44	7.190	09	01.1	44.02	10	99.4	K0		GC	29672	-20 6159
47		6.9T		11 9.556	0.0023	09	-22 25	9.93	-0.010	06	0.39	9.443	09	01.0	9.39	10	97.6	A0		GC	29676	-22 5630
48		9.3R		11 11.654	0.0050	15	-25 4	44.02	-0.056	15	0.29	11.572	16	33.6	43.10	16	33.6	G0	J	14	14658	E -2515310
49		8.8R		11 12.453	-0.0062	13	-27 34	41.64	-0.043	13	0.27	12.554	16	33.6	40.95	16	33.6	G5	M	13B	13966	J -2715317
50		9.4R		11 14.299	-0.0031	21	-28 49	10.29	0.039	21	0.38	14.350	16	33.6	10.93	16	33.6	G0	M	13B	13967	J -2917651
51		9.3R	21	11 18.225	-0.0011	18	-24 22	24.17	0.004	18	0.34	18.206	16	33.6	24.23	16	33.6	G5	J	14	14660	E -2416529
52		8.7R		11 23.526	-0.0008	18	-25 30	3.50	0.007	18	0.34	23.539	16	33.6	3.62	16	33.6	K2	J	14	14661	E -2515312
53		9.4R		11 34.306	0.0010	20	-29 47	32.42	-0.025	20	0.36	34.291	16	33.6	32.01	16	33.6	G0	J	13B	13969	J -3018466
54		8.6R		11 39.831	0.0069	18	-23 5	8.93	-0.010	18	0.34	39.718	16	33.6	8.64	16	33.6	G0	J	14	14662	E -2316789
55		8.7R		11 48.278	0.0009	15	-26 21	6.06	0.032	15	0.29	48.263	16	33.6	6.58	16	33.6	G5	J	14	14663	E -2615501
56		8.1T		11 49.910	0.0020	09	-26 7	8.42	0.005	09	0.52	49.800	15	95.2	8.74	17	91.7	A3		GC	29692K	C*-2615502
57		8.9R		11 50.211	-0.0019	18	-23 45	16.50	-0.035	18	0.34	50.241	16	33.6	15.92	16	33.6	G5	J	14	14665	E -2416534
58		9.0R		11 53.318	0.0016	20	-26 51	39.46	0.011	20	0.36	53.292	16	33.6	39.65	16	33.6	K5	M	13B	13973	J -2715323
59		9.1R		11 55.315	-0.0013	17	-29 33	56.48	-0.062	17	0.31	55.336	16	33.6	55.47	16	33.6	G0	J	13B	13972	J -2917658
60		9.0R		11 56.593	0.0033	17	-29 18	11.47	0.019	17	0.31	56.539	16	33.6	11.78	16	33.6	A3	J	13B	13974	J -2917659
61		9.3R		11 59.134	-0.0056	18	-22 1	45.98	-0.010	18	0.34	59.226	16	33.6	45.81	16	33.6	G0	J	14	14666	E -2215275
62		7.6T		12 6.878	0.0022	11	-20 16	44.51	-0.005	11	0.59	6.769	19	99.6	44.27	19	00.0	K0		GC	29700	-20 6165
63		7.9T		12 7.089	-0.0052	13	-20 59	44.71	-0.115	10	0.55	7.317	17	06.2	39.34	17	03.5	G5		GC	29701	-21 5972
64		9.6R		12 8.590	0.0028	15	-23 5	48.14	0.002	15	0.29	8.544	16	33.6	48.18	16	33.6	G0	M	14	14667	E -2316792
65		7.2T		12 11.393	0.0017	10	-22 1	24.54	-0.010	07	0.51	11.299	15	95.3	23.95	15	92.5	K0		GC	29703	-22 5635
66		9.2R		12 19.724	0.0004	18	-22 44	4.66	-0.039	18	0.34	19.717	16	33.6	4.03	16	33.6	K0	J	14	14669	E -2316794
67		8.2R		12 23.369	0.0075	18	-27 8	37.23	0.076	18	0.34	23.247	16	33.6	38.49	16	33.6	G0	J	13B	13977	J -2715330
68		8.5A		12 23.402	0.0056	20	-21 30	11.34	-0.009	15	0.33	23.311	16	33.6	11.19	16	33.6	G0	J	13A	9107	A -21 5973
69		8.8R		12 29.498	-0.0006	17	-28 29	47.35	-0.005	17	0.31	29.508	16	33.6	47.28	16	33.6	K0	M	13B	13978	J -2817196
70		9.4R		12 34.146	0.0043	18	-27 17	13.80	-0.034	18	0.34	34.075	16	33.6	13.25	16	33.6	A0	J	13B	13980	J -2715333
71		9.4R		12 43.761	0.0015	15	-24 46	11.56	0.024	15	0.29	43.737	16	33.6	11.95	16	33.6	K0	M	14	14670	E -2515323
72		9.1R		12 45.456	0.0036	18	-25 38	18.92	0.024	18	0.34	45.396	16	33.6	19.32	16	33.6	F8	J	14	14671	E -2515324
73		5.4T		12 47.293	0.0009	03	-20 51	37.35	0.004	02	0.16	47.250	06	01.3	37.54	07	96.9	K0		GC	29722	B*-21 5974
74		9.4R		12 47.631	-0.0014	15	-25 4	40.31	0.013	15	0.29	47.654	16	33.6	40.53	16	33.6	F5	J	14	14672	E -2515325
75		9.5R		12 57.019	0.0055	18	-24 13	35.81	-0.032	18	0.34	56.929	16	33.6	35.28	16	33.6	G5	J	14	14673	E -2416545
76		8.6R		12 58.712	0.0015	17	-28 52	15.65	0.027	17	0.31	58.687	16	33.6	16.09	16	33.6	K0	J	13B	13981	J -2917666
77		8.2A		13 1.210	0.0016	15	-21 38	55.15	-0.023	11	0.26	1.184	16	33.6	54.77	16	33.6	F2	J	13A	9110	A -22 5638
78		9.3R		13 7.355	0.0018	21	-29 42	27.35	-0.051	21	0.38	7.326	16	33.6	26.51	16	33.6	K	M	13B	13983	J -3018487
79		8.8R		13 9.578	0.0026	18	-23 22	57.47	-0.015	18	0.34	9.536	16	33.6	57.23	16	33.6	F8	J	14	14674	E -2316801
80		9.0R		13 18.040	0.0022	17	-27 0	36.33	0.025	17	0.31	18.004	16	33.6	36.75	16	33.6	K0	M	13B	13985	J -2715344
81		8.7R		13 20.394	0.0022	18	-22 23	24.78	0.018	18	0.34	20.359	16	33.6	25.07	16	33.6	K2	J	14	14675	E -2215290
82		9.5R		13 21.993	0.0019	15	-23 58	34.96	-0.011	15	0.29	21.963	16	33.6	34.77	16	33.6	K0	M	14	14676	E -2416546
83		8.0R		13 24.461	0.0052	17	-28 28	48.06	-0.033	17	0.31	24.375	16	33.6	47.52	16	33.6	F2	J	13B	13986	J -2817199
84		8.1R		13 29.827	0.0013	17	-28 43	10.32	-0.038	17	0.31	29.806	16	33.6	9.70	16	33.6	G0	J	13B	13987	J -2917671
85		9.2R		13 36.507	-0.0005	18	-22 7	15.71	-0.034	18	0.34	36.515	16	33.6	15.15	16	33.6	F5	J	14	14678	E -2215292
86		9.4R		13 37.868	0.0024	18	-26 33	54.62	-0.011	18	0.34	37.829	16	33.6	54.45	16	33.6	F8	J	14	14677	E -2615512
87		9.2R		13 40.530	0.0030	18	-23 46	56.63	0.012	18	0.34	40.482	16	33.6	56.82	16	33.6	K0	M	14	14679	E -2416550
88		9.4R		13 42.262	0.0018	12	-24 45	40.36	0.009	15	0.27	42.232	16	33.6	40.51	16	33.6	G0	J	14	14680	E -2515334
89		9.3R		13 44.294	0.0042	18	-23 15	38.41	-0.031	18	0.34	44.225	16	33.6	37.91	16	33.6	F8	J	14	14681	E -2316806
90		8.7R		13 49.591	-0.0003	15	-23 1	12.15	0.011	15	0.29	49.596	16	33.6	12.34	16	33.6	F5	J	14	14682K	E -2316807
91		7.6T		13 49.836	-0.0035	09	-20 22	59.93	-0.064	07	0.49	50.024	18	97.0	56.33	17	93.6	K0		GC	29749	-20 6170
92		9.0R		14 1.995	0.0002	18	-27 6	34.48	0.009	18	0.34	1.992	16	33.6	34.64	16	33.6	G5	J	13B	13992	J -2715351
93		9.0R		14 4.121	0.0006	18	-24 7	4.09	-0.040	18	0.34	4.112	16	33.6	3.43	16	33.6	K0	J	14	14683	E -2416553
94		9.2R		14 4.149	0.0005	13	-29 45	24.66	-0.016	13	0.27	4.141	16	33.6	24.40	16	33.6			13B	13991	J -3018494
95		9.1R		14 11.187	-0.0009	18	-21 59	55.12	-0.022	18	0.34	11.201	16	33.6	54.75	16	33.6	K2	J	14	14684	E -2215297
96		9.3R		14 12.979	-0.0002	18	-21 47	16.37	-0.031	18	0.34	12.982	16	33.6	15.86	16	33.6	G0	J	14	14685	E -2215298
97		8.2R		14 24.528	-0.0052	18	-21 57	1.18	-0.091	18	0.34	24.613	16	33.6	59.69	16	33.6	F5	J	14	14688	E -2215300
98		8.3R		14 24.530	0.0017	18	-22 17	6.24	0.024	18	0.34	24.502	16	33.6	6.63	16	33.6	K0	J	14	14687	E -2215299
99		8.8R		14 25.679	-0.0036	18	-26 13	20.61	-0.053	18	0.34	25.738	16	33.6	19.75	16	33.6	G0	J	14	14686	E -2615519
00		8.7A		14 28.268	-0.0021	20	-20 0	11.73	0.027	15	0.33	28.303	16	33.6	12.17	16	33.6	F8	J	13A	9121	A -20 6175

190200

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.		SOURCE CAT.	STAR NUMBER	DM NUMBER
1		9.4R	21 14 32.894	-0.0002	18	-23 20 58.03	-0.037	18	0.34	32.898	16	33.6	57.43	16	33.6	K2	M	14	14689	E -2316812
2		9.3R	14 37.965	0.0026	15	-25 29 42.80	0.018	15	0.29	37.923	16	33.6	43.10	16	33.6	A2	J	14	14650	E -2515342
3		8.7R	14 40.174	0.0000	15	-24 14 23.50	-0.020	15	0.29	40.173	16	33.6	23.16	16	33.6	F2	J	14	14691	E -2416558
4		8.0R	14 42.804	0.0006	18	-26 41 40.98	-0.010	18	0.34	42.795	16	33.6	40.83	16	33.6	K0	J	14	14692	E -2715357
5		8.9R	14 43.926	0.0001	18	-21 48 37.57	-0.024	18	0.34	43.925	16	33.6	37.17	16	33.6	A3	J	14	14693	E -2215304
6		8.8A	14 49.120	-0.0001	20	-21 27 57.03	-0.005	15	0.33	49.121	16	33.6	56.96	16	33.6	K0	J	13A	9124	A -21 5978
7		8.1R	15 6.294	0.0039	17	-29 43 19.99	-0.152	17	0.31	6.231	16	33.6	17.50	16	33.6	G5	J	13B	13996	J -3018503
8		8.8A	15 6.849	-0.0018	18	-21 27 42.05	0.041	13	0.30	6.878	16	33.6	42.72	16	33.6	F5	J	13A	9126	A -21 5981
9		8.0T	15 8.071	-0.0004	15	-28 54 15.37	-0.006	13	0.73	8.091	21	01.5	15.08	19	99.9	K0		GC	29780	C -2917682
10		9.0R	15 9.209	-0.0018	18	-22 15 19.27	0.023	18	0.34	9.239	16	33.6	19.64	16	33.6	F8	J	14	14694	E -2215309
11		9.0R	15 17.602	-0.0032	17	-28 4 8.48	-0.034	17	0.31	17.655	16	33.6	7.93	16	33.6	F8	M	13B	13998	J -2817217
12		8.5R	15 23.122	0.0025	18	-25 55 16.88	-0.007	18	0.34	23.080	16	33.6	16.77	16	33.6	G0	J	14	14695	E -2615526
13		8.9A	15 29.039	0.0022	20	-21 24 43.03	-0.008	15	0.33	29.003	16	33.6	42.89	16	33.6	G5	J	13A	9130	A -21 5983
14		6.7T	15 36.195	-0.0018	09	-20 32 45.41	-0.019	07	0.41	36.284	10	00.8	44.47	10	99.2	K0		GC	29794	-20 6178
15		8.7R	15 39.424	-0.0016	15	-25 14 9.60	0.040	15	0.29	39.451	16	33.6	10.26	16	33.6	G0	J	14	14696	E -2515347
16		8.4R	15 39.451	0.0055	17	-29 28 1.94	-0.025	17	0.31	39.360	16	33.6	1.53	16	33.6	F0	J	13B	14001	J -2917687
17		9.1A	15 49.708	-0.0001	20	-20 35 10.95	-0.012	15	0.33	49.710	16	33.6	10.77	16	33.6	K0	J	13A	9134	A -20 6179
18		8.6R	15 51.595	0.0008	18	-24 1 7.84	-0.013	18	0.34	51.581	16	33.6	7.62	16	33.6	F0	J	14	14697	E -2416569
19		8.0R	15 52.083	0.0024	18	-26 49 35.09	-0.039	18	0.34	52.045	16	33.6	34.46	16	33.6	F8	J	13B	14002	J -2715367
20		6.4T	15 57.300	-0.0137	10	-28 58 33.87	-0.054	08	0.53	58.027	17	97.0	30.92	15	95.1	G5		GC	29805	C -2917692
21		9.3R	15 58.519	0.0027	15	-23 30 18.86	-0.000	15	0.29	58.474	16	33.6	18.85	16	33.6	K2	M	14	14698	E -2316825
22		8.2R	16 0.824	-0.0013	18	-22 14 52.89	0.005	18	0.34	0.845	16	33.6	52.97	16	33.6	K0	J	14	14699	E -2215315
23		8.9A	16 7.882	0.0013	15	-20 37 58.53	0.005	11	0.26	7.861	16	33.6	58.62	16	33.6	F0	J	13A	9137	A -21 5987
24		9.3R	16 14.007	-0.0005	18	-24 37 35.87	0.010	18	0.34	14.015	16	33.6	36.03	16	33.6	G5	J	14	14700	E -2416572
25		8.6A	16 14.549	-0.0000	20	-21 29 23.67	-0.015	15	0.33	14.549	16	33.6	23.43	16	33.6	G5	J	13A	9138	A -21 5988
26		8.8A	16 16.052	0.0034	15	-21 30 5.16	-0.017	11	0.26	15.997	16	33.6	4.88	16	33.6	F2	J	13A	9139	A -21 5989
27		8.1A	16 16.181	0.0000	20	-20 19 1.93	0.003	15	0.33	16.181	16	33.6	1.98	16	33.6	K5	J	13A	9140	A -20 6182
28		9.0R	16 26.280	0.0018	18	-27 1 7.27	0.002	18	0.34	26.251	16	33.6	7.31	16	33.6	K0	M	13B	14007	J -2715373
29		9.1R	16 26.958	0.0002	17	-28 43 35.50	-0.052	17	0.31	26.955	16	33.6	34.65	16	33.6	G5	M	13B	14006	J -2917699
30		8.8R	16 32.873	0.0014	18	-26 15 46.46	0.002	18	0.34	32.850	16	33.6	46.50	16	33.6	K0	J	14	14701	E -2615537
31		9.3R	16 35.690	0.0003	18	-27 19 57.08	-0.017	18	0.34	35.685	16	33.6	56.81	16	33.6	F8	M	13B	14009	J -2715374
32		8.4R	16 38.597	-0.0009	15	-23 58 59.22	-0.061	15	0.29	38.612	16	33.6	58.21	16	33.6	K0	J	14	14704	E -2416576
33		9.2R	16 39.144	-0.0000	18	-22 28 59.48	-0.242	18	0.34	39.144	16	33.6	55.51	16	33.6	G0	J	14	14705	E -2215323
34		9.3R	16 39.846	-0.0004	12	-25 28 8.32	0.014	12	0.25	39.853	16	33.6	8.55	16	33.6	G5	M	14	14703	E -2515360
35		9.5R	16 43.106	0.0027	18	-23 55 36.41	-0.014	18	0.34	43.061	16	33.6	36.17	16	33.6	K5	M	14	14706	E -2416578
36		6.5T	16 52.491	-0.0402	10	-26 33 35.93	-0.352	11	0.57	54.688	14	95.3	16.77	15	95.5	G5		GC	29832K	C*-2615541
37		8.4R	16 54.404	-0.0010	18	-26 8 38.99	-0.023	18	0.34	54.421	16	33.6	38.61	16	33.6	K0	J	14	14708	E -2215325
38		6.9T	16 55.244	0.0011	09	-27 25 16.79	-0.014	08	0.50	55.181	17	94.7	16.04	17	94.9	A0		GC	29834	C -2715377
39		9.1R	17 1.300	0.0003	18	-22 34 22.02	0.018	18	0.34	1.294	16	33.6	22.32	16	33.6	G5	J	14	14709	E -2215327
40		8.0R	17 1.639	0.0048	12	-29 33 42.40	0.046	12	0.25	1.561	16	33.6	43.15	16	33.6	G0	J	13B	14011	J -2917704
41		8.6R	17 5.460	0.0021	17	-29 45 8.55	-0.029	17	0.31	5.426	16	33.6	8.07	16	33.6	F5	J	13B	14012	J -3018520
42		8.9R	17 13.497	-0.0013	12	-29 45 21.13	-0.045	12	0.25	13.519	16	33.6	20.39	16	33.6	K2	M	13B	14014	J -3018521
43		9.5Q	17 24.982	-0.0125	22	-20 3 16.91	-0.724	20	0.88	25.477	19	10.5	46.44	19	07.9	K5P		GC	29850	B*-20 6185
44		9.2R	17 37.041	0.0033	12	-24 41 22.01	0.016	12	0.25	36.988	16	33.6	22.27	16	33.6	K0	M	14	14710	E -2515369
45		9.2R	17 46.145	-0.0036	17	-28 45 22.26	-0.022	17	0.31	46.203	16	33.6	21.90	16	33.6	G0	M	13B	14021	J -2917710
46		9.3R	17 48.562	0.0027	18	-23 38 23.97	0.001	18	0.34	48.519	16	33.6	23.98	16	33.6	K0	J	14	14712	E -2316847
47		9.4R	17 49.527	0.0006	18	-26 21 41.34	-0.019	18	0.34	49.516	16	33.6	41.04	16	33.6	G5	J	14	14711	E -2615548
48		8.0R	17 50.307	0.0003	18	-22 35 58.63	0.003	18	0.34	50.301	16	33.6	58.68	16	33.6	G5	J	14	14713	E -2215333
49		8.5R	17 57.703	0.0016	15	-26 49 41.00	0.003	15	0.29	57.677	16	33.6	41.06	16	33.6	G0	J	13B	14027	J -2715388
50		8.8A	18 10.680	-0.0005	20	-21 39 47.39	0.005	15	0.33	10.686	16	33.6	47.47	16	33.6	K2	J	13A	9145	A -22 5669
51		8.0R	21 18 12.670	0.0026	12	-27 56 37.91	0.026	12	0.25	12.628	16	33.6	38.35	16	33.6	A3	J	13B	14029	J -2817235
52		7.1T	18 12.854	0.0018	05	-21 1 59.53	-0.061	04	0.25	12.772	09	03.9	56.55	10	01.5	F2		GC	29872	-21 5992
53		8.5R	18 13.471	0.0011	18	-26 36 53.33	0.027	18	0.34	13.453	16	33.6	53.78	16	33.6	K0	J	14	14714	E -2615552
54		9.6R	18 21.795	0.0014	15	-23 37 56.29	0.003	15	0.29	21.772	16	33.6	56.33	16	33.6	G0	J	14	14715	E -2316855
55		9.4R	18 26.188	0.0020	18	-23 36 23.65	0.017	18	0.34	26.155	16	33.6	23.92	16	33.6	F0	J	14	14716	E -2316858
56		9.0A	18 26.834	0.0054	18	-20 48 42.20	-0.027	13	0.30	26.746	16	33.6	41.77	16	33.6	K0	J	13A	9147	A -21 5993
57		8.9R	18 28.415	-0.0024	17	-28 53 17.33	-0.060	17	0.31	28.455	16	33.6	16.51	16	33.6	K2	M	13B	14030	J -2917716
58		8.3R	18 35.359	-0.0029	12	-24 55 15.51	0.026	12	0.25	35.406	16	33.6	15.94	16	33.6	F0	J	14	14717K	E -2515377
59		9.3R	18 48.858	0.0000	18	-25 48 17.87	0.010	18	0.34	48.857	16	33.6	18.04	16	33.6	G5	J	14	14718	E -2615561
60		9.3R	18 51.250	-0.0006	18	-23 33 13.69	-0.068	18	0.34	51.260	16	33.6	12.57	16	33.6	F8	J	14	14719	E -2316863
61		6.7T	18 51.246	0.0011	05	-29 22 46.02	-0.026	05	0.26	51.197	09	04.3	44.79	09	02.2	K0		GC	29885	C*-2917721
62		8.6R	18 59.273	0.0036	18	-27 20 25.46	-0.003	18	0.34	59.215	16	33.6	25.42	16	33.6	A0	J	13B	14033	J -2715398
63		9.1A	19 2.187	0.0016	20	-20 52 42.78	0.014	15	0.33	2.161	16	33.6	43.00	16	33.6	K5	J	13A	9155	A -21 5995
64		9.3R	19 2.267	0.0056	18	-23 35 3.89	-0.047	18	0.34	2.176	16	33.6	3.11	16	33.6	F8	J	14	14720	E -2316867
65		9.6R	19 4.321	0.0017	22	-24 24 2.41	-0.028	22	0.40	4.293	16	33.6	1.94	16	33.6	K2	M	14	14721	E -2416598
66		9.2R	19 5.268	-0.0017	18	-21 44 45.43	0.028	18	0.34	5.296	16	33.6	45.88	16	33.6	K2	M	14	14722	E -2215346
67		9.1R	19 9.826	-0.0003	18	-22 36 31.55	-0.001	18	0.34	9.831	16	33.6	31.54	16	33.6	K5	J	14	14723	E -2215347
68		9.0R	19 13.424	0.0023	18	-24 26 22.77	0.018	18	0.34	13.386	16	33.6	23.06	16	33.6	A2	J	14	14724	E -2416599
69		9.1A	19 15.624	-0.0014	20	-20 8 46.66	0.018	15	0.33	15.648	16	33.6	46.96	16	33.6	K0	J	13A	9157	A -20 6195
70		9.4R	19 22.479	0.0013	18	-23 38 3.01	0.037	18	0.34	22.457	16	33.6	3.61	16	33.6	A0	J	14	14725	E -2316871
71		9.2R	19 24.946	0.0029	12	-22 54 53.53	0.003	12	0.25	24.898	16	33.6	53.59	16	33.6	A0	J	14	14726	E -2316872
72		9.1A	19 25.199	-0.0058	20	-20 54 45.02	-0.092	15	0.33	25.294	16	33.6	43.51	16	33.6	G0	J	13A	9158	A -21 5999
73		9.0R	19 30.027	0.0033	15	-25 22 40.22	-0.022	15	0.29	29.973	16	33.6	39.86	16	33.6	F0	J	14	14727	E -2515386
74		9.3R	19 35.544	0.0020	18	-22 43 58.56	-0.025	18	0.34	35.511	16	33.6	58.16	16	33.6	G0	J	14	14728	E -2316874
75		8.7R	19 37.151	-0.0000	20	-27 2 36.96	0.011	20	0.36	37.152	16	33.6	37.15	16	33.6	K0	J	13B	14035	J -2715403
76		7.4T	19 42.728	0.0007	12	-29 38 57.67	-0.006	12	0.66	42.691	17	98.8	57.35	18	96.9	F2		GC	29911	C*-2917732
77		9.3R	19 45.308	-0.0011	18	-24 12 41.46	-0.007	18	0.34	45.327	16	33.6	41.34	16	33.6	G5	J	14	14729	E -2416605
78		9.1R	19 45.540	-0.0006	18	-24 2 56.38	-0.022	18	0.34	45.550	16	33.6	56.01	16	33.6	F0	J	14	14730	E -2416607
79		9.2R	19 51.763	0.0021	17	-28 46 27.18	-0.012	17	0.31	51.728	16	33.6	26.98	16	33.6	G0	M	13B	14037	J -2917736
80		8.8R	19 56.553	0.0020	12	-24 46 30.02	-0.007	12	0.25	56.521	16	33.6	29.91	16	33.6	F5	J	14	14732	E -2515390
81		9.0R	19 56.680	0.0008	18	-26 3 56.63	-0.002	18	0.34	56.667	16	33.6	56.61	16	33.6	K5	J	14	14731	E -2615577
82		9.2R	19 59.617	-0.0026	20	-27 17 37.35	0.008	20	0.36	59.660	16	33.6	37.49	16	33.6	F8	J	13B	14039	J -2715406
83		8.9R	20 3.514	0.0000	18	-23 41 6.60	0.002	18	0.34	3.513	16	33.6	6.62	16	33.6	G5	J	14	14733	E -2416608
84		8.4R	20 6.572	0.0016	20	-28 18 49.67	-0.020	20	0.36	6.546	16	33.6	49.35	16	33.6	A5	J	13B	14041	J -2817247
85		5.7T	20 8.705	0.0027	05	-22 53 0.40	0.013	05	0.25	8.578	10	03.8	1.04	10	01.7	K5		GC	29923	C*-2316877
86		9.1R	20 10.703	-0.0020	18	-22 19 52.22	0.045	18	0.34	10.736	16	33.6	52.95	16	33.6	G5	J	14	14736	E -2215356
87		9.4R	20 12.346	0.0033	18	-23 57 1.47	0.034	18	0.34	12.292	16	33.6	2.02	16	33.6	K0	M	14	14735	E -2416609
88		9.1R	20 15.848	-0.0032	17	-29 46 8.99	0.002	17	0.31	15.900	16	33.6	9.02	16	33.6	G5	J	13B	14043	J -3018556
89		8.8R	20 17.694	0.0038	20	-29 17 12.23	-0.095	20	0.36	17.631	16	33.6	10.68	16	33.6	G0	J	13B	14044	J -2917742
90		9.1R	20 59.530	-0.0005	18	-22 39 48.15	0.005	18	0.34	59.537	16	33.6	48.24	16	33.6	G5	J	14	14739	E -2215360
91		9.0R	21 0.411	-0.0001	20	-26 6 47.09	-0.073	20	0.36	0.412	16	33.6	45.89	16	33.6	G0	M	14	14737	E -2615585
92		6.7T	21 1.838	0.0043	07	-25 25 2.65	-0.021	07	0.43	1.587	15	91.6	1.40	15	90.0	K0		GC	29945	C -2515399
93		6.5T	21 16.347	-0.0020	05	-22 57 44.18	0.000	04	0.22	16.420	09	12.5	44.19	10	06.7	K0		GC	29951	C -2316889
94		8.6R	21 17.012	0.0067	17	-29 23 12.82	-0.063	17	0.31	16.903	16	33.6	11.79	16	33.6	G0	J	13B	14048	J -2917750
95		5.5T	21 19.652	0.0002	04	-21 3 56.27	-0.129	04	0.20	19.644	07	00.5	49.59	07	98.4	K0		GC	29953	B*-21 6007
96		8.0T	21 20.782	0.0026	10	-25 46 35.61	-0.024	09	0.53	20.645	17	97.4	34.30	17	94.2	A0		GC	29954K	C*-2615588
97		9.4R	21 22.462	-0.0000	18	-22 16 17.74	0.047	18	0.34	22.462	16	33.6	18.51	16	33.6	G5	J	14	14743	E -2215364
98		7.9R	21 22.630	0.0002	18	-23 50 57.43	0.005	18	0.34	22.627	16	33.6	57.51	16	33.6	A5	J	14	14742	E -2416622
99		6.7T	21 27.541	0.0038	08	-24 38 16.74	-0.039	07	0.45	27.323	15	92.2	14.41	15	90.1	F0		GC	29956	C -2416624
00		9.0R	21 27.675	0.0133	20	-29 27 36.92	-0.215	20	0.36	27.458	16	33.6	33.40	16	33.6	G5	J	13B	14050	J -2917753

-20°
21H

190300 — EPOCH 1950 — ORIGINAL EPOCH — SOURCE — −20° 21H

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	α_{1950} h m s	μ s	σ_{μ} ″.001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	CAT.	STAR NUMBER	DM NUMBER
1		9.2R	21 21 28.199	0.0042	12	−25 7 22.86	−0.076	12	0.25	28.131	16	33.6	21.62	16	33.6	KO M	14	14745	E −2515403
2		8.7R	21 29.847	−0.0077	20	−28 19 35.49	−0.028	20	0.36	29.973	16	33.6	35.04	16	33.6	F8 J	13B	14052	J −2817256
3		9.1R	21 30.019	−0.0047	18	−22 4 10.82	−0.029	18	0.34	30.096	16	33.6	10.34	16	33.6	G0 J	14	14747	E −2215366
4		7.4T	21 30.674	0.0022	10	−23 30 22.75	−0.007	08	0.51	30.556	17	96.9	22.35	17	95.0	G5	GC	29960	C −2316890
5		9.1R	21 34.209	0.0011	15	−23 52 52.92	−0.006	15	0.29	34.190	16	33.6	52.81	16	33.6	K0 M	14	14748	E −2416626
6		9.1R	21 52.220	0.0015	12	−27 16 15.43	0.077	12	0.25	52.196	16	33.6	16.70	16	33.6	G5 M	13B	14055	J −2715425
7		9.2A	21 56.995	0.0041	15	−20 36 21.05	−0.032	11	0.26	56.927	16	33.6	20.52	16	33.6	F8 J	13A	9168	A −21 6009
8		9.2R	22 6.106	−0.0059	18	−21 52 5.71	−0.023	18	0.34	6.203	16	33.6	5.33	16	33.6	F2 J	14	14749	E −2215371
9		9.4R	22 9.360	0.0093	15	−23 31 58.34	−0.145	15	0.29	9.228	16	33.6	55.96	16	33.6	K0 J	14	14750	E −2316895
10		9.1A	22 11.087	−0.0007	20	−21 9 41.71	0.034	15	0.33	11.099	16	33.6	42.28	16	33.6	A3 J	13A	9170	A −21 6010
11		9.0A	22 11.792	0.0030	20	−20 40 20.79	0.009	15	0.33	11.742	16	33.6	20.93	16	33.6	K0 J	13A	9171	A −21 6011
12		8.8R	22 16.825	−0.0004	18	−26 19 14.98	0.004	18	0.34	16.832	16	33.6	15.04	16	33.6	K5 M	14	14751	E −2515593
13		8.5R	22 24.035	0.0020	12	−27 53 50.29	−0.036	12	0.25	24.001	16	33.6	49.71	16	33.6	K0 J	13B	14058	J −2817267
14		9.0R	22 25.489	0.0046	15	−23 28 53.02	−0.012	15	0.29	25.413	16	33.6	52.83	16	33.6	G0 J	14	14752	E −2316897
15		8.4R	22 27.600	0.0012	18	−24 16 34.32	0.015	18	0.34	27.780	16	33.6	34.56	16	33.6	G5 J	14	14753	E −2416633
16		8.9R	22 30.512	0.0110	15	−25 7 19.10	−0.081	15	0.29	30.333	16	33.6	17.78	16	33.6	G0 J	14	14754	E −2515411
17		9.1A	22 30.576	0.0003	00	−20 36 14.27	−0.090	15	0.33	30.571	16	33.6	12.79	16	33.6	G0 J	13A	9173	A −21 6012
18		9.1R	22 30.808	−0.0023	12	−28 2 44.59	−0.138	12	0.25	30.845	16	33.6	42.34	16	33.6	G0 J	13B	14059	J −2817270
19		9.3R	22 31.790	−0.0025	18	−22 14 57.93	0.013	18	0.34	31.830	16	33.6	58.14	16	33.6	G5 J	14	14755	E −2215376
20		9.0R	22 36.945	−0.0091	18	−23 47 43.87	−0.153	18	0.34	37.095	16	33.6	41.36	16	33.6	G0 J	14	14756	E −2416637
21		8.9R	22 37.536	−0.0007	17	−28 41 18.40	−0.012	17	0.31	37.348	16	33.6	18.20	16	33.6	K0 M	13B	14060	J −2917765
22		9.5R	22 44.069	0.0005	18	−23 12 15.01	−0.006	18	0.34	44.060	16	33.6	14.92	16	33.6	G0 J	14	14757	E −2316898
23		9.3R	22 46.716	0.0013	15	−27 18 53.38	0.068	15	0.29	46.695	16	33.6	54.50	16	33.6	F8 J	13B	14062	J −2715432
24		8.5R	22 49.114	−0.0015	15	−24 58 26.39	−0.016	15	0.29	49.139	16	33.6	26.13	16	33.6	K0 J	14	14758	E −2515414
25		8.2R	22 51.010	−0.0008	18	−21 52 45.71	0.009	18	0.34	51.023	16	33.6	45.85	16	33.6	F0 J	14	14760	E −2215377
26		9.1R	22 51.625	−0.0005	18	−21 44 5.89	−0.108	18	0.34	51.633	16	33.6	4.12	16	33.6	G0 J	14	14762	E −2215378
27		9.1R	22 52.137	−0.0000	18	−23 24 31.27	−0.039	18	0.34	52.137	16	33.6	30.64	16	33.6	K0 J	14	14759	E −2316899
28		9.2R	22 53.423	0.0067	20	−26 54 19.03	−0.023	20	0.36	53.313	16	33.6	18.66	16	33.6	K0 M	13B	14065	J −2715434
29		7.7T	22 54.633	0.0058	08	−25 27 17.25	−0.005	08	0.47	54.304	15	93.3	16.97	15	92.9	K0	GC	30000	C −2515415
30		6.6T	22 56.118	0.0016	10	−24 2 18.49	−0.005	08	0.52	56.031	14	96.6	18.18	15	91.7	K0	GC	30001	C −2416641
31		7.1T	23 14.440	−0.0041	09	−24 42 3.40	−0.021	08	0.50	14.667	17	95.2	2.20	15	93.0	G5	GC	30006	C −2515418
32		8.9R	23 15.291	−0.0007	18	−24 35 41.73	−0.045	18	0.34	15.303	16	33.6	40.99	16	33.6	F5 J	14	14765	E −2416643
33		9.0A	23 19.269	−0.0026	20	−20 50 57.26	0.002	15	0.33	19.312	16	33.6	57.29	16	33.6	K0 J	13A	9177	A −21 6015
34		8.6R	23 21.925	0.0015	20	−27 23 7.77	−0.010	20	0.36	21.900	16	33.6	7.62	16	33.6	G0 J	13B	14067	J −2715440
35		8.1R	23 23.582	0.0008	18	−22 2 49.90	−0.007	18	0.34	23.569	16	33.6	49.76	16	33.6	K2 J	14	14766	E −2215384
36		8.9T	23 25.929	−0.0049	17	−24 41 54.18	−0.017	15	0.82	26.174	27	00.4	53.37	22	02.2	F8	GC	30012	C* −2515421
37		7.3T	23 31.977	0.0021	10	−21 12 57.68	−0.005	07	0.49	31.867	17	97.4	57.43	15	94.3	K0	GC	30014	−21 6016
38		8.6R	23 33.347	−0.0018	21	−28 34 9.65	−0.048	21	0.38	33.377	16	33.6	8.87	16	33.6	K0 M	13B	14071	J −2817274
39		9.0R	23 39.087	−0.0004	21	−28 51 34.25	−0.001	21	0.38	39.094	16	33.6	34.23	16	33.6	K0 M	13B	14072	J −2917775
40		8.3T	23 45.798	−0.0010	15	−29 13 45.54	−0.064	18	0.81	45.847	17	01.5	42.55	16	03.1	K2	GC	30017	C −2917777
41		3.9H	23 48.938	0.0001	01	−22 37 44.34	0.027	01	0.05	48.933	02	14.8	45.19	03	18.0	G5P	F4	806	−2215388
42		8.5R	23 49.875	−0.0040	20	−28 11 19.28	−0.028	20	0.36	49.940	16	33.6	18.85	16	33.6	F2 J	13B	14075	J −2817279
43		9.2R	23 51.374	0.0043	20	−26 57 0.23	0.021	20	0.36	51.304	16	33.6	0.59	16	33.6	K2 M	13B	14076	J −2715448
44		9.2R	24 9.084	0.0035	18	−22 21 28.35	0.004	18	0.34	8.967	16	33.6	28.74	16	33.6	F8 M	14	14769	E −2215394
45		9.3R	24 12.269	0.0019	15	−24 46 59.86	−0.008	15	0.29	12.258	16	33.6	59.73	16	33.6	G5 J	14	14770	E −2515425
46	10.6	10.3W	24 14.016	−0.0054	21	−29 58 29.53	0.052	21	0.42	14.109	22	32.7	30.43	21	32.7		C7	11699	C −3018610
47		9.0R	24 19.858	0.0011	17	−29 21 18.07	−0.023	17	0.31	19.840	16	33.6	17.69	16	33.6	K0 M	13B	14079	J −2917783
48		9.0R	24 20.532	0.0025	20	−29 21 53.45	0.016	20	0.36	20.490	16	33.6	53.71	16	33.6	K0 M	13B	14080	J −2917785
49		6.0T	24 24.890	−0.0019	03	−21 24 48.74	−0.027	03	0.18	24.984	06	01.1	47.44	07	00.7	K0	GC	30027	B* −21 6020
50		8.6R	24 27.949	0.0024	20	−27 2 45.93	0.060	20	0.36	27.909	16	33.6	46.92	16	33.6	G0 J	13B	14082	J −2715451
51		9.3R	21 24 28.177	0.0017	20	−26 5 34.33	0.002	20	0.36	28.150	16	33.6	34.37	16	33.6	G0 J	14	14771	E −2615613
52		9.1R	24 31.703	0.0012	20	−26 13 20.65	−0.015	20	0.36	31.683	16	33.6	20.40	16	33.6	K0 J	14	14772	E −2615614
53		8.1R	24 33.061	0.0036	18	−23 50 2.77	−0.038	18	0.34	33.002	16	33.6	2.14	16	33.6	K2 J	14	14773	E −2416654
54		7.5T	24 37.174	0.0041	09	−27 56 45.20	−0.069	08	0.48	36.962	15	97.7	41.54	15	96.6	K0	GC	30030	C* −2817287
55		9.0R	24 38.566	0.0021	20	−28 49 36.73	−0.061	20	0.36	38.531	16	33.6	35.73	16	33.6	K	M	13B	14085	J −2917788
56		7.5Q	24 40.036	−0.0038	10	−20 25 46.79	−0.084	09	0.47	40.213	09	03.8	42.79	10	02.3	K0		GC	30033K	B* −20 6211
57	10.5	9.5W	25 0.410	0.0041	21	−29 53 5.48	0.009	21	0.42	0.339	22	32.7	5.63	21	32.7	K0		C7	11710	C −3018620
58		9.2A	25 3.200	0.0005	15	−20 14 6.52	−0.012	11	0.26	3.192	16	33.6	6.33	16	33.6	F8	J	13A	9193	A −20 6214
59		9.0R	25 13.862	−0.0007	18	−23 8 57.36	0.013	18	0.34	13.873	16	33.6	57.58	16	33.6	K2	J	14	14775	E −2316917
60		8.9R	25 14.490	0.0014	12	−25 30 15.75	0.027	12	0.25	14.468	16	33.6	16.20	16	33.6	K0	J	14	14774	E −2515435
61		9.0R	25 18.566	0.0075	20	−27 9 24.34	−0.003	20	0.36	18.443	16	33.6	24.30	16	33.6	G0	J	13B	14088	J −2715458
62		7.9T	25 21.738	0.0045	09	−21 56 26.68	−0.256	07	0.46	21.504	12	98.0	13.00	12	96.6	G5		GC	30045	−22 5691
63		7.3R	25 24.759	0.0030	18	−28 45 21.67	0.014	18	0.34	24.710	16	33.6	21.91	16	33.6	K0	J	14	14776	E −2715459
64		8.6R	25 28.991	0.0021	15	−25 18 53.82	0.002	15	0.29	28.958	16	33.6	53.86	16	33.6	K2	J	14	14778	E −2515437
65		9.2R	25 33.417	0.0031	20	−28 55 14.48	0.005	20	0.36	33.366	16	33.6	14.56	16	33.6	K2	M	13B	14089	J −2917800
66		8.7R	25 36.397	−0.0006	18	−23 50 12.62	0.029	18	0.34	36.407	16	33.6	13.09	16	33.6	G5	J	14	14780	E −2416671
67		8.8R	25 37.901	0.0031	18	−25 56 51.70	−0.007	18	0.34	37.851	16	33.6	51.59	16	33.6	K2	M	14	14779	E −2615629
68		8.0R	25 47.373	0.0019	15	−25 51 46.09	0.022	15	0.29	47.342	16	33.6	46.46	16	33.6	A0	J	14	14781	E −2615633
69		9.0R	25 47.749	0.0023	15	−22 53 25.71	−0.051	15	0.29	47.711	16	33.6	24.88	16	33.6	G0	J	14	14783	E −2316926
70		9.3R	25 48.426	0.0031	20	−29 35 23.96	−0.071	20	0.36	48.375	16	33.6	22.80	16	33.6	F8	M	13B	14092	J −2917804
71		9.0R	25 49.888	0.0021	12	−25 34 29.14	−0.002	12	0.25	49.854	16	33.6	29.12	16	33.6	A5	J	14	14782	E −2515440
72		9.1R	25 50.992	−0.0119	17	−28 25 11.27	−0.122	17	0.31	51.186	16	33.6	9.28	16	33.6	G5	M	13B	14094	J −2817296
73		8.9R	25 52.178	−0.0014	17	−27 57 22.03	−0.019	17	0.31	52.201	16	33.6	21.73	16	33.6	K0	J	13B	14095	J −2817297
74		4.6T	25 52.531	0.0099	03	−22 1 33.65	−0.004	03	0.13	52.080	05	04.4	33.46	05	04.4	G5		GC	30059	B* −22 5692
75		9.1A	25 54.001	0.0008	20	−22 8 43.20	−0.044	15	0.33	53.988	16	33.6	42.47	16	33.6	G0	J	13A	9198	A −22 5693
76		8.8R	25 54.489	0.0022	20	−28 10 40.95	−0.016	20	0.36	54.453	16	33.6	40.70	16	33.6	F8	J	13B	14096	J −2817298
77		9.0R	25 56.870	0.0003	12	−22 52 31.71	−0.007	12	0.25	56.866	16	33.6	31.60	16	33.6	K0	M	14	14785	E −2316927
78		8.6R	25 58.400	0.0015	15	−24 11 28.62	−0.009	15	0.29	58.375	16	33.6	28.46	16	33.6	K0	J	14	14786	E −2416674
79		8.5R	26 11.826	−0.0064	18	−27 30 15.13	−0.096	18	0.34	11.930	16	33.6	13.57	16	33.6	F8	J	13B	14098	J −2715464
80		9.0R	26 17.112	0.0008	18	−22 10 38.61	0.011	18	0.34	17.099	16	33.6	38.78	16	33.6	K0	J	14	14787	E −2215407
81		9.4R	26 17.802	−0.0003	17	−29 42 52.13	−0.001	17	0.31	17.807	16	33.6	52.11	16	33.6	F8	M	13B	14099	J −3018636
82		9.2R	26 23.576	0.0020	18	−26 23 58.56	−0.073	18	0.34	23.543	16	33.6	57.36	16	33.6	G2	M	14	14788	E −2615638
83		9.0R	26 29.572	0.0041	18	−24 0 49.75	0.012	18	0.34	29.504	16	33.6	49.94	16	33.6	F8	J	14	14789	E −2416679
84		8.8R	26 34.149	0.0029	17	−29 0 48.39	−0.010	17	0.31	34.101	16	33.6	48.23	16	33.6	M3	M	13B	14103	J −2917810
85		9.1R	26 36.564	0.0027	15	−22 44 59.03	0.030	15	0.29	36.519	16	33.6	59.53	16	33.6	K0	M	14	14790	E −2316936
86		8.8R	26 37.787	0.0084	18	−27 21 19.97	0.157	18	0.34	37.650	16	33.6	22.55	16	33.6	G0	J	13B	14104	J −2715468
87		9.0R	26 38.920	0.0023	12	−25 1 14.23	−0.014	12	0.25	38.883	16	33.6	14.00	16	33.6	K0	J	14	14791	E −2515446
88		9.2R	26 54.669	0.0006	15	−22 14 5.15	−0.004	15	0.29	54.658	16	33.6	5.08	16	33.6	A0	J	14	14793	E −2215413
89		9.0R	27 2.384	0.0012	18	−23 27 45.56	−0.019	18	0.34	2.364	16	33.6	45.25	16	33.6	G5	J	14	14794	E −2316940
90		9.1R	27 10.841	0.0017	12	−29 40 48.22	0.005	12	0.25	10.813	16	33.6	48.30	16	33.6	F8	M	13B	14106	J −3018647
91		9.3R	27 13.662	0.0030	18	−23 25 48.11	0.010	15	0.31	13.612	16	33.6	48.28	16	33.6	G0	J	14	14796	E −2316943
92		8.5R	27 26.932	0.0015	12	−29 3 34.89	−0.016	12	0.25	26.907	16	33.6	34.63	16	33.6	K0	J	13B	14108	J −2917818
93		8.2T	27 31.101	0.0018	13	−24 38 50.97	−0.011	09	0.60	31.018	21	02.2	50.41	18	98.6	G5		GC	30105K	C* −2416686
94		7.4T	27 32.919	−0.0009	08	−25 24 47.53	−0.017	07	0.46	32.973	15	91.5	46.56	14	92.1	K5		GC	30106	C −2515459
95		9.0R	27 42.537	0.0033	18	−27 14 45.51	−0.008	18	0.34	42.482	16	33.6	45.39	16	33.6	F5	J	13B	14109	J −2715472
96		7.4T	27 50.692	−0.0003	13	−25 55 49.21	0.007	12	0.68	50.707	15	98.8	49.57	18	95.6	K2		GC	30114	C −2615647
97		8.8R	28 4.978	0.0029	12	−28 56 57.73	−0.008	12	0.25	4.930	16	33.6	57.60	16	33.6	K2	J	13B	14111	J −2917826
98		8.5R	28 6.097	0.0003	18	−27 21 36.25	−0.029	18	0.34	6.091	16	33.6	35.78	16	33.6	K0	J	13B	14112	J −2715476
99		9.0R	28 19.343	−0.0005	17	−28 30 20.30	0.014	17	0.31	19.351	16	33.6	20.53	16	33.6	M	M	13B	14114	J −2817324
00		9.3R	28 27.578	0.0002	15	−22 34 17.81	0.021	15	0.29	27.075	16	33.6	18.16	16	33.6	K0	J	14	14801	E −2215435

190400

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	EPOCH 1950 μ s	EPOCH 1950 σ_μ ″.001	EPOCH 1950 δ_{1950} ° ′ ″	EPOCH 1950 μ' ″	EPOCH 1950 $\sigma_{\mu'}$ ″.001	EPOCH 1950 σ_{1950} ″	ORIGINAL EPOCH α_2 s	ORIGINAL EPOCH σ ″.01	ORIGINAL EPOCH ep.	ORIGINAL EPOCH δ_2 ″	ORIGINAL EPOCH σ' ″.01	ORIGINAL EPOCH ep.	SP.		SOURCE CAT.	SOURCE STAR NUMBER	-20° 21H DM NUMBER
1		9.4R	21 28 32.818	0.0043	18	-22 47 36.26	0.080	18	0.34	32.747	16	33.6	37.57	16	33.6	F8	J	14	14802	E -2316954
2		9.3R	28 38.074	-0.0038	17	-28 2 48.35	0.004	17	0.31	38.135	16	33.6	48.42	16	33.6	K2	M	13B	14116	J -2817327
3		9.2R	28 40.294	0.0032	20	-26 18 39.97	0.010	20	0.36	40.242	16	33.6	40.14	16	33.6	G0	J	14	14803	E -2615654
4		8.6R	28 41.915	-0.0011	18	-22 13 54.45	-0.011	18	0.34	41.933	16	33.6	54.27	16	33.6	K0	J	14	14805	E -2215436
5		9.2R	28 43.046	0.0034	18	-24 39 40.46	0.018	18	0.34	42.990	16	33.6	40.76	16	33.6	K0	J	14	14804	E -2416700
6		9.1A	28 45.199	-0.0036	18	-20 47 22.76	-0.041	13	0.30	45.257	16	33.6	22.08	16	33.6	F8	J	13A	9210	A -21 6032
7		9.0R	28 45.214	-0.0005	17	-29 20 43.73	-0.051	17	0.31	45.222	16	33.6	42.89	16	33.6	K5	M	13B	14117	J -2917837
8		9.5R	28 45.824	-0.0011	18	-24 14 13.48	0.002	18	0.34	45.843	16	33.6	13.51	16	33.6	G5	M	14	14808	E -2416701
9		7.8T	28 46.840	0.0047	16	-25 31 19.39	-0.005	13	0.76	46.609	19	01.1	19.16	18	97.8	F5		GC	30134	C -2515465
10		9.2R	28 46.879	0.0005	21	-29 7 3.67	0.010	21	0.38	46.871	16	33.6	3.84	16	33.6	K	M	13B	14118	J -2917838
11		9.0R	28 47.838	0.0009	20	-26 31 9.91	0.007	20	0.36	47.824	16	33.6	10.03	16	33.6	K0	J	14	14807	E -2615656
12		7.2T	28 58.104	0.0007	14	-25 38 0.93	0.004	11	0.69	58.068	17	99.9	1.12	18	95.4	A3		GC	30139	C -2515467
13		8.9R	29 1.939	-0.0004	20	-28 33 33.49	0.069	20	0.36	1.945	16	33.6	34.62	16	33.6	F8	J	13B	14121	J -2817331
14		8.9R	29 2.220	-0.0005	18	-27 3 43.88	0.005	15	0.31	2.228	16	33.6	43.97	16	33.6	K0	J	13B	14122	J -2715482
15		9.2R	29 13.005	-0.0018	18	-27 20 54.81	-0.056	18	0.34	13.034	16	33.6	53.90	16	33.6	K0	M	13B	14124	J -2715486
16		8.3R	29 13.327	0.0024	15	-25 26 59.13	-0.039	15	0.29	13.289	16	33.6	58.49	16	33.6	K2	J	14	14810	E -2515469
17		9.3R	29 13.681	0.0042	18	-23 4 41.52	-0.031	18	0.34	13.612	16	33.6	41.02	16	33.6	K2	J	14	14811	E -2316961
18		8.6R	29 23.319	-0.0002	18	-23 16 56.52	-0.065	18	0.34	23.322	16	33.6	55.46	16	33.6	G5	J	14	14812	E -2316963
19		9.0R	29 29.011	0.0094	17	-29 1 8.94	-0.060	17	0.31	28.857	16	33.6	7.96	16	33.6	G0	M	13B	14126	J -2917843
20		8.0R	29 31.976	0.0019	18	-22 51 2.27	0.009	18	0.34	31.944	16	33.6	2.42	16	33.6	K2	J	14	14813	E -2316964
21		8.6T	29 35.074	-0.0219	26	-21 10 39.35	-0.136	18	1.03	36.054	21	05.3	32.92	18	02.9	K0		GC	30147	-21 6035
22		9.4R	29 40.540	-0.0007	17	-28 58 51.12	0.033	17	0.31	40.552	16	33.6	51.66	16	33.6	G0	M	13B	14127	J -2917847
23		6.4T	29 40.629	0.0052	05	-24 48 43.65	0.022	04	0.21	40.408	07	07.2	44.60	07	06.8	A5		GC	30153	C -2515479
24		8.3R	29 45.164	0.0000	15	-24 22 28.69	-0.105	15	0.29	45.163	16	33.6	26.96	16	33.6	F5	J	14	14815	E -2416706
25		8.8A	29 46.758	0.0000	20	-20 36 18.28	-0.002	15	0.33	46.757	16	33.6	18.24	16	33.6	K0	J	13A	9215	A -21 6036
26		8.8R	29 48.900	0.0004	18	-21 59 54.20	-0.015	18	0.34	48.893	16	33.6	53.95	16	33.6	A7	M	14	14816	E -2215444
27		9.0R	29 54.284	0.0077	15	-25 38 9.87	0.005	15	0.29	54.158	16	33.6	9.95	16	33.6	G0	J	14	14817	E -2515482
28		8.9R	29 59.043	0.0008	17	-28 14 20.25	-0.028	17	0.31	59.030	16	33.6	19.80	16	33.6	F5	J	13B	14128	J -2817339
29		9.0R	29 59.565	-0.0016	15	-25 47 16.37	-0.017	20	0.33	59.591	16	33.6	16.10	16	33.6	K0	M	14	14818	E -2615667
30		9.4R	30 2.018	0.0077	20	-28 15 45.98	0.055	20	0.36	1.892	16	33.6	46.88	16	33.6	G	M	13B	14130	J -2817340
31		9.0R	30 6.723	-0.0001	20	-26 44 11.25	-0.012	20	0.36	6.725	16	33.6	11.06	16	33.6	G5	J	14	14819	E -2715495
32		8.0R	30 9.219	0.0004	18	-27 11 55.00	0.007	18	0.34	9.213	16	33.6	55.12	16	33.6	K0	J	13B	14131	J -2715496
33		9.0R	30 14.572	-0.0020	18	-27 33 48.50	-0.144	18	0.34	14.604	16	33.6	46.14	16	33.6	K0	M	13B	14132	J -2715498
34		9.0A	30 15.319	0.0014	20	-20 30 32.42	-0.019	15	0.33	15.296	16	33.6	32.11	16	33.6	F2	J	13A	9218	A -20 6230
35		9.4A	30 16.713	0.0009	20	-20 17 4.35	-0.007	15	0.33	16.698	16	33.6	4.24	16	33.6	K0	J	13A	9219	A -20 6232
36		8.6Q	30 23.070	0.0001	16	-20 53 53.21	0.026	09	0.62	23.065	17	05.0	54.49	17	00.0	K0		GC	30166	-21 6038
37		7.5T	30 35.087	0.0164	13	-28 6 42.55	-0.068	08	0.56	34.298	15	01.8	39.14	17	99.6	G0		GC	30170	C -2817347
38		8.6A	30 35.854	0.0017	20	-21 29 53.68	-0.010	15	0.33	35.826	16	33.6	53.52	16	33.6	A2	J	13A	9222	A -21 6039
39		9.0R	30 47.256	0.0023	18	-21 53 15.60	-0.137	18	0.34	47.219	16	33.6	13.35	16	33.6	G5	J	14	14821	E -2215453
40		8.6R	30 49.541	-0.0052	15	-22 11 26.93	-0.077	15	0.29	49.627	16	33.6	25.67	16	33.6	F5	J	14	14823	E -2215454
41		8.9R	30 51.006	0.0025	15	-25 27 32.95	0.026	15	0.29	50.964	16	33.6	33.38	16	33.6	G5	J	14	14822	E -2515489
42		8.0R	30 52.778	0.0015	20	-29 41 24.42	0.006	20	0.36	52.754	16	33.6	24.52	16	33.6	K2	J	13B	14136	J -3018689
43		9.4R	31 2.941	0.0025	12	-24 52 54.21	0.015	12	0.25	2.900	16	33.6	54.46	16	33.6	A0	J	14	14825	E -2515492
44		9.4R	31 3.876	-0.0007	20	-26 30 4.44	-0.001	20	0.36	3.888	16	33.6	4.42	16	33.6	F0	M	14	14824	E -2615680
45		9.4R	31 6.369	0.0038	15	-22 40 49.11	-0.020	15	0.29	6.307	16	33.6	48.79	16	33.6	G5	M	14	14826	E -2316984
46		8.9A	31 8.743	0.0015	18	-21 30 47.62	-0.017	12	0.30	8.720	16	33.6	47.34	16	33.6	F8	J	13A	9227	A -21 6041
47		9.4R	31 11.910	-0.0019	18	-23 11 2.15	0.008	18	0.34	11.941	16	33.6	2.29	16	33.6	F0	M	14	14828	E -2316985
48		9.2R	31 11.933	-0.0031	15	-24 43 28.13	0.010	15	0.29	11.983	16	33.6	28.30	16	33.6	K2	J	14	14827	E -2515493
49		8.5T	31 13.864	0.0055	13	-28 7 23.79	-0.079	08	0.57	13.605	17	02.5	19.83	17	99.7	F8		GC	30186	C -2817354
50		8.5R	31 20.199	0.0002	18	-27 33 45.25	-0.011	18	0.34	20.196	16	33.6	45.07	16	33.6	K2	J	13B	14140	J -2715504
51		9.5R	21 31 20.770	-0.0032	18	-22 29 7.95	0.006	18	0.34	20.822	16	33.6	8.05	16	33.6	F8	J	14	14829	E -2215460
52		8.7R	31 37.304	0.0011	12	-25 10 24.67	0.037	12	0.25	37.286	16	33.6	25.28	16	33.6	A5	J	14	14830	E -2515498
53		9.3R	31 38.814	-0.0016	18	-27 2 53.92	-0.052	18	0.34	38.841	16	33.6	53.08	16	33.6	G0	J	13B	14142	J -2715506
54		8.0R	31 43.670	-0.0028	21	-29 6 39.76	-0.001	21	0.38	43.715	16	33.6	39.74	16	33.6	K0	J	13B	14144	J -2917876
55		9.0R	31 44.495	-0.0020	21	-29 3 10.12	0.031	21	0.38	44.528	16	33.6	10.63	16	33.6	K0	M	13B	14145	J -2917877
56		9.4R	31 45.038	-0.0025	20	-27 45 19.10	0.017	20	0.36	45.079	16	33.6	19.38	16	33.6	F5	M	13B	14146	J -2817357
57		9.2R	31 50.681	-0.0023	21	-28 1 32.81	0.005	21	0.38	50.718	16	33.6	32.89	16	33.6	F8	M	13B	14148	J -2817358
58		6.6T	31 56.302	0.0013	09	-29 55 8.71	0.002	09	0.57	56.227	17	93.5	8.82	17	91.5	B8		GC	30201	C -3018703
59		9.1A	31 56.573	-0.0046	20	-21 34 39.16	-0.012	15	0.33	56.649	16	33.6	38.96	16	33.6	F8	J	13A	9231	A -21 6046
60		9.2R	32 0.426	0.0008	18	-26 20 3.23	0.016	18	0.34	0.413	16	33.6	3.50	16	33.6	G5	J	14	14831	E -2615689
61		5.8T	32 2.703	-0.0027	03	-20 18 29.78	0.034	03	0.15	2.818	06	07.4	31.28	06	06.1	F5		GC	30204	B*-20 6237
62		8.2Q	32 3.170	-0.0009	13	-20 40 5.16	-0.005	08	0.54	3.210	17	05.1	4.88	17	99.0	M0		GC	30206	-21 6047
63		7.0T	32 6.423	0.0002	04	-20 28 31.14	-0.060	04	0.22	6.414	10	03.1	28.07	10	98.6	F8		GC	30208	B*-20 6238
64		9.3R	32 9.020	0.0012	18	-23 51 12.23	-0.000	18	0.34	9.001	16	33.6	12.22	16	33.6	G0	J	14	14832	E -2416727
65		8.8R	32 10.030	0.0018	12	-27 50 9.02	-0.016	12	0.25	10.001	16	33.6	8.76	16	33.6	A0	J	13B	14151	J -2817361
66		8.8A	32 13.092	0.0033	20	-20 3 33.78	0.041	15	0.33	13.038	16	33.6	34.46	16	33.6	G5	J	13A	9235	A -20 6239
67		9.0R	32 23.257	-0.0032	18	-22 17 2.91	-0.012	18	0.34	23.309	16	33.6	2.71	16	33.6	G5	J	14	14835	E -2215467
68	10.7	9.9W	32 23.581	0.0143	21	-29 57 52.48	0.031	21	0.43	23.325	22	32.2	53.03	21	32.2			C7	11760	C -3018708
69		6.4T	32 24.537	0.0056	05	-23 40 39.87	-0.005	05	0.27	24.273	10	03.3	39.61	10	00.0	K0		GC	30212	C*-2416729
70		7.6R	32 24.669	0.0062	12	-25 32 31.07	0.033	12	0.25	24.567	16	33.6	31.62	16	33.6	F8	J	14	14833	E -2515505
71		9.2A	32 29.154	0.0005	20	-20 7 2.33	0.014	15	0.33	29.145	16	33.6	2.56	16	33.6	A0	J	13A	9237	A -20 6244
72		8.3T	32 31.817	0.0016	17	-23 20 30.06	0.014	18	0.85	31.744	22	03.5	30.73	22	03.4	K5		GC	30216	C -2316995
73		9.1R	32 39.661	-0.0033	13	-26 55 19.79	-0.038	13	0.27	39.715	16	33.6	19.18	16	33.6	G0	J	13B	14155	J -2715516
74		9.3R	32 41.263	0.0007	18	-22 42 39.36	-0.003	18	0.34	41.251	16	33.6	39.32	16	33.6	K5	J	14	14837	E -2316999
75		9.3R	32 50.670	-0.0007	18	-24 18 45.50	0.009	18	0.34	50.682	16	33.6	45.64	16	33.6	A0	M	14	14838	E -2416732
76		9.0A	33 0.993	-0.0025	18	-21 17 55.08	-0.013	13	0.30	1.034	16	33.6	54.87	16	33.6	F5	J	13A	9240	A -21 6049
77		9.0R	33 6.910	-0.0010	18	-25 53 30.74	-0.016	18	0.34	6.926	16	33.6	30.49	16	33.6	K0	J	14	14839	E -2615700
78		5.8T	33 17.244	0.0083	04	-26 23 43.94	-0.020	04	0.21	16.880	07	06.3	43.04	09	03.9	A3		GC	30235	C*-2615702
79		8.8A	33 19.754	0.0021	18	-20 39 0.97	-0.001	13	0.30	19.720	16	33.6	0.94	16	33.6	G0	J	13A	9241	A -21 6051
80		8.7R	33 21.568	0.0033	15	-23 2 50.01	-0.019	15	0.29	21.514	16	33.6	49.71	16	33.6	K2	J	14	14841	E -2317007
81		9.4A	33 23.997	0.0007	20	-20 7 25.10	0.003	15	0.33	23.986	16	33.6	25.15	16	33.6	G5	J	13A	9242	A -20 6247
82		9.1R	33 25.685	0.0026	12	-29 30 35.07	-0.045	12	0.25	25.643	16	33.6	34.34	16	33.6	F5	M	13B	14160	J -2917899
83		9.4R	33 29.559	0.0066	17	-28 50 21.72	0.019	17	0.31	29.451	16	33.6	22.03	16	33.6	G0	M	13B	14161	J -2917900
84		9.0R	33 39.379	0.0133	18	-26 3 16.48	0.039	18	0.34	39.376	16	33.6	17.13	16	33.6	G5	J	14	14842	E -2615706
85		9.2R	33 46.590	0.0035	18	-22 31 25.48	-0.043	18	0.34	46.533	16	33.6	24.79	16	33.6	F5	J	14	14843	E -2215481
86		8.9R	33 52.322	-0.0002	15	-22 3 10.52	-0.019	15	0.29	52.326	16	33.6	10.21	16	33.6	K0	J	14	14844	E -2215482
87		8.4R	33 54.288	0.0007	18	-21 43 36.62	-0.012	18	0.34	54.276	16	33.6	36.42	16	33.6	K0	J	14	14845	E -2215483
88		9.3R	34 2.219	-0.0002	15	-21 39 51.64	-0.085	15	0.29	2.223	16	33.6	50.25	16	33.6	G0	J	14	14846	E -2215485
89		7.5R	34 4.847	0.0003	17	-28 50 3.07	-0.029	17	0.31	4.842	16	33.6	2.60	16	33.6	K0	J	13B	14163	J -2917909
90		8.8R	34 5.654	-0.0006	20	-28 54 36.95	-0.026	20	0.36	5.664	16	33.6	36.52	16	33.6	K	M	13B	14164	J -2917910
91	9.8	9.7W	34 13.868	0.0063	21	-29 58 43.83	-0.028	21	0.43	13.755	22	32.2	43.33	21	32.2	G5		C7	11775	C -3018730
92		9.0A	34 20.024	-0.0003	20	-21 15 52.55	0.027	15	0.33	20.029	16	33.6	52.99	16	33.6	K0	J	13A	9250	A -21 6053
93		9.0R	34 24.147	0.0041	15	-24 52 15.94	-0.009	15	0.29	24.081	16	33.6	15.80	16	33.6	K0	M	14	14847	E -2515517
94		9.5R	34 25.405	0.0027	20	-29 42 31.00	-0.028	20	0.36	25.361	16	33.6	30.55	16	33.6	G5	M	13B	14167	J -3018734
95		9.3R	34 28.504	-0.0074	20	-23 53 32.15	0.011	20	0.36	28.626	16	33.6	32.32	16	33.6	G0	M	14	14848	E -2416747
96		8.6R	34 30.348	0.0269	20	-27 51 26.96	-0.190	20	0.36	29.908	16	33.6	23.85	16	33.6	G0	J	13B	14169	J -2817381
97		9.2R	34 32.423	0.0055	18	-23 36 9.83	0.189	18	0.34	32.333	16	33.6	12.92	16	33.6	G5	J	14	14850	E -2317021
98		9.0R	34 33.887	-0.0007	13	-26 43 34.50	-0.004	13	0.27	33.898	16	33.6	34.45	16	33.6	K0	J	14	14849	E -2715532
99		9.0R	34 36.537	0.0002	15	-22 22 55.54	-0.004	15	0.29	36.535	16	33.6	55.47	16	33.6	K0	J	14	14851	E -2215489
00		9.4R	34 41.242	-0.0006	18	-23 48 27.32	0.011	18	0.34	41.252	16	33.6	27.50	16	33.6	A0	J	14	14852	E -2416748

190500

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.		SOURCE CAT.	STAR NUMBER	DM NUMBER
																				-20° 21H
1		8.2R	21 34 42.491	-0.0009	18	-24 40 38.76	-0.022	18	0.34	42.505	16	33.6	38.40	16	33.6	F8	J	14	14853	E -2515520
2	10.6	10.8W	34 46.160	-0.0065	21	-29 58 26.25	-0.018	21	0.43	46.275	22	32.2	25.93	21	32.2	A0	L	C7	11782	C -3018737
3		8.7R	34 46.747	0.0029	15	-25 14 26.13	0.003	15	0.29	46.699	16	33.6	26.18	16	33.6	A5	J	14	14854	E -2515521
4		8.6A	34 47.634	0.0012	20	-20 39 24.56	-0.038	15	0.33	47.615	16	33.6	23.93	16	33.6	F5	J	13A	9253	A -21 6054
5		8.3R	34 51.091	0.0030	18	-23 55 13.51	-0.010	18	0.34	51.041	16	33.6	13.35	16	33.6	K2	J	14	14855	E -2416750
6	10.4	10.3W	34 51.838	-0.0010	21	-29 54 47.11	0.074	21	0.43	51.855	22	32.2	48.43	21	32.2	G0	L	C7	11784	C -3018739
7		9.1R	35 3.466	0.0005	20	-26 31 7.93	-0.003	20	0.36	3.458	16	33.6	7.88	16	33.6	F5	M	14	14856	E -2615721
8		8.7R	35 7.099	-0.0031	15	-23 17 36.25	-0.059	15	0.29	7.150	16	33.6	35.29	16	33.6	F2	J	14	14858	E -2317028
9		9.3R	35 10.502	0.0024	15	-22 48 10.85	0.015	15	0.29	10.462	16	33.6	11.10	16	33.6	K2	J	14	14859	E -2317030
10		7.4T	35 18.135	0.0016	10	-25 40 15.19	0.007	08	0.50	18.049	17	97.2	15.60	15	95.6	G5		GC	30272	C -2615722
11		7.6T	35 28.042	0.0042	13	-29 52 0.85	0.017	11	0.66	27.830	18	99.9	1.76	19	96.1	A2		GC	30275	C*-3018747
12		9.4R	35 33.881	0.0034	18	-23 31 9.56	0.024	18	0.34	33.792	16	33.6	9.96	16	33.6	A5	J	14	14861	E -2317032
13		7.8T	35 36.898	0.0026	14	-28 7 11.72	-0.016	09	0.61	36.773	18	01.2	10.91	17	98.8	F5		GC	30280	C -2817391
14		9.3R	35 42.318	0.0013	18	-23 22 24.09	-0.106	18	0.34	42.297	16	33.6	22.36	16	33.6	G5	J	14	14862	E -2317034
15		9.3R	35 53.319	-0.0008	20	-26 26 31.41	0.023	20	0.36	53.331	16	33.6	31.80	16	33.6	K0	M	14	14863	E -2615727
16		9.4R	36 2.850	0.0019	18	-21 44 10.62	-0.003	18	0.34	2.820	16	33.6	10.57	16	33.6	F8	J	14	14864	E -2215498
17		7.6T	36 6.266	0.0014	10	-24 40 32.69	-0.032	08	0.53	6.192	15	96.3	30.74	17	88.9	K2		GC	30293	C -2515528
18		9.2R	36 12.633	0.0014	15	-25 20 12.66	-0.005	15	0.29	12.610	16	33.6	12.58	16	33.6	K0	M	14	14866	E -2515529
19		9.6R	36 14.398	-0.0039	20	-22 32 16.56	0.053	20	0.36	14.462	16	33.6	17.43	16	33.6	F8	M	14	14868	E -2215499
20		6.7T	36 14.698	0.0262	09	-27 31 54.80	-0.079	10	0.51	13.168	12	95.7	50.64	14	97.2	G0		GC	30295	C -2715550
21		8.6R	36 16.578	0.0150	20	-25 56 51.71	0.002	20	0.36	16.333	16	33.6	51.75	16	33.6	F8	J	14	14867	E -2615730
22		8.0R	36 19.262	0.0028	18	-21 56 24.58	0.005	18	0.34	19.216	16	33.6	24.66	16	33.6	K0	J	14	14869	E -2215500
23		9.3R	36 22.494	-0.0003	12	-22 31 22.72	-0.018	12	0.25	22.499	16	33.6	22.44	16	33.6	K5	M	14	14870	E -2215501
24		9.2R	36 32.177	0.0039	18	-27 33 39.82	-0.001	18	0.34	32.113	16	33.6	39.80	16	33.6	A3	J	13B	14182	J -2715553
25		9.4R	36 32.654	0.0027	17	-29 41 37.05	0.006	17	0.31	32.610	16	33.6	37.15	16	33.6	F0	J	13B	14180	J -3018754
26		8.9R	36 33.312	0.0009	15	-27 12 30.66	0.012	15	0.29	33.297	16	33.6	30.86	16	33.6	A3	J	13B	14183	J -2715555
27		8.7R	36 33.340	0.0015	17	-29 41 41.23	-0.016	17	0.31	33.316	16	33.6	40.97	16	33.6	F0	J	13B	14181	J -3018754
28		9.2R	36 41.741	-0.0000	20	-29 2 41.14	-0.010	20	0.36	41.741	16	33.6	40.98	16	33.6	G5	M	13B	14184	J -2917928
29		8.2T	37 3.190	0.0045	15	-25 27 1.80	-0.081	14	0.75	2.963	18	99.7	57.79	19	00.4	K0		GC	30317	C -2515536
30		8.6R	37 6.294	0.0023	18	-22 23 12.46	-0.077	18	0.34	6.256	16	33.6	11.20	16	33.6	G0	J	14	14873	E -2215506
31		8.7R	37 6.561	0.0030	18	-23 25 34.04	0.010	18	0.34	6.513	16	33.6	34.21	16	33.6	A0	J	14	14872	E -2317044
32		9.2R	37 7.579	-0.0039	18	-23 34 48.45	-0.001	18	0.34	7.642	16	33.6	48.43	16	33.6	A2	J	14	14874	E -2317045
33		8.7A	37 10.570	0.0017	20	-20 26 57.63	0.019	15	0.33	10.542	16	33.6	57.94	16	33.6	K5	J	13A	9266	A -20 6260
34		9.0R	37 16.512	0.0020	18	-24 29 35.74	0.024	18	0.34	16.479	16	33.6	36.13	16	33.6	G5	J	14	14875	E -2416763
35		8.4R	37 19.157	-0.0004	15	-24 55 13.47	0.054	15	0.29	19.163	16	33.6	14.36	16	33.6	F8	J	14	14876	E -2515537
36		9.5R	37 20.372	-0.0003	20	-29 11 8.21	-0.021	20	0.36	20.377	16	33.6	7.87	16	33.6	K0	M	13B	14186	J -2917935
37		9.4R	37 24.021	0.0005	18	-27 28 14.07	0.001	18	0.34	24.012	16	33.6	14.10	16	33.6	K0	M	13B	14187	J -2715560
38		8.8R	37 27.719	-0.0005	20	-29 45 16.40	-0.016	20	0.36	27.727	16	33.6	16.14	16	33.6	K2	M	13B	14188	J -3018763
39		9.0R	37 29.914	-0.0000	20	-28 18 13.22	-0.032	20	0.36	29.914	16	33.6	12.70	16	33.6	G5	J	13B	14189	J -2817401
40		8.6R	37 36.126	-0.0012	20	-29 27 31.05	-0.017	20	0.36	36.145	16	33.6	30.77	16	33.6	K0	J	13B	14190	J -2917936
41		9.0R	37 39.988	0.0043	15	-27 7 46.81	-0.012	15	0.29	39.918	16	33.6	46.62	16	33.6	K5	M	13B	14191	J -2715564
42		8.7R	37 43.622	0.0078	20	-28 48 4.46	-0.040	20	0.36	43.494	16	33.6	3.81	16	33.6	F8	J	13B	14192	J -2917938
43		8.3R	37 50.449	0.0025	18	-24 8 2.29	0.009	18	0.34	50.408	16	33.6	2.44	16	33.6	K5	J	14	14877	E -2416766
44	9.7	8.9W	37 53.134	0.0010	21	-29 59 10.52	-0.039	21	0.43	53.115	22	32.2	9.83	21	32.2	K0		C7	11813	C -3018764
45		9.1R	38 2.545	0.0017	18	-22 23 54.67	-0.039	18	0.34	2.516	16	33.6	54.03	16	33.6	K0	J	14	14880	E -2215517
46		9.4R	38 3.222	0.0068	18	-23 0 33.21	0.003	18	0.34	3.111	16	33.6	33.27	16	33.6	F5	J	14	14879	E -2317050
47		9.4R	38 3.419	-0.0010	18	-24 2 8.73	0.047	18	0.34	3.329	16	33.6	9.50	16	33.6	F0	J	14	14878	E -2416768
48		8.3R	38 8.587	0.0018	20	-26 4 23.25	0.003	20	0.36	8.556	16	33.6	23.31	16	33.6	K0	J	14	14881	E -2615745
49		9.2T	38 18.391	-0.0003	13	-24 39 28.13	-0.044	16	0.75	18.406	22	00.6	26.05	22	02.6	F5		GC	30341	C*-2416770
50		8.8R	38 20.594	-0.0020	20	-25 51 29.01	0.010	20	0.36	20.627	16	33.6	29.18	16	33.6	K0	J	14	14883	E -2615748
51		9.2R	21 38 28.778	0.0025	20	-27 12 56.40	-0.019	20	0.36	28.736	16	33.6	56.10	16	33.6	M2	M	13B	14197	J -2715569
52		7.9T	38 40.976	0.0071	14	-22 9 23.32	-0.003	09	0.64	40.612	17	99.0	23.15	14	96.6	K0		GC	30349	-22 5745
53		7.9T	38 43.677	-0.0003	14	-21 53 28.31	-0.027	09	0.63	43.690	17	99.7	26.86	15	96.8	K2		GC	30351	-22 5746
54		9.0A	38 46.114	0.0011	20	-20 47 5.70	-0.012	15	0.33	48.096	16	33.6	5.50	16	33.6	F8	J	13A	9274	A -21 6070
55		6.5T	38 54.419	-0.0015	11	-25 19 48.57	0.000	11	0.60	54.498	18	97.0	48.58	18	96.2	K0		GC	30357	C -2515545
56		7.1T	38 58.221	-0.0002	08	-20 2 4.70	-0.006	07	0.49	58.233	21	91.5	4.34	18	87.4	K0		GC	30359	-20 6266
57	10.1	9.1W	39 6.645	-0.0012	21	-29 54 1.64	-0.006	21	0.43	6.665	22	32.2	1.53	21	32.2	K0		C7	11823	C -3018779
58		8.2R	39 7.813	-0.0012	17	-24 52 53.45	0.051	17	0.31	7.833	16	33.6	54.29	16	33.6	K2	J	14	14887	E -2515547
59		5.3T	39 10.107	0.0074	03	-23 29 23.82	-0.086	03	0.18	9.755	06	02.2	19.65	06	01.4	K0		GC	30365K	C*-2317057
60		7.8T	39 10.361	-0.0041	13	-27 55 3.50	-0.106	13	0.69	10.568	18	00.0	58.06	17	98.5	K0		GC	30366	C -2817407
61		7.5T	39 11.881	0.0005	13	-26 5 18.40	-0.014	12	0.68	11.855	18	00.9	17.70	19	98.3	M0		GC	30367	C -2615756
62		9.5R	39 15.224	0.0017	18	-23 49 52.72	-0.009	18	0.34	15.196	16	33.6	52.57	16	33.6	F8	J	14	14890	E -2416779
63		8.4R	39 17.981	-0.0025	17	-27 41 57.03	-0.018	17	0.31	18.022	16	33.6	56.74	16	33.6	K0	J	13B	14202	J -2817409
64		9.2R	39 27.694	-0.0004	20	-28 34 14.18	-0.047	20	0.36	27.700	16	33.6	13.41	16	33.6	F8	M	13B	14203	J -2817413
65		9.0R	39 33.130	0.0065	20	-25 55 25.29	-0.016	20	0.36	33.024	16	33.6	25.04	16	33.6	G5	M	14	14891	E -2615759
66		9.0R	39 34.252	-0.0009	18	-21 59 28.62	-0.007	18	0.34	34.266	16	33.6	28.50	16	33.6	G0	M	14	14892	E -2215531
67		8.6R	39 46.963	0.0017	20	-27 12 48.04	0.025	20	0.36	46.935	16	33.6	48.45	16	33.6	A3	J	13B	14207	J -2715581
68		9.0R	39 50.528	0.0024	20	-27 42 59.16	0.028	20	0.36	50.489	16	33.6	59.62	16	33.6	F8	J	13B	14209	J -2817416
69		8.7R	39 54.426	0.0021	15	-24 55 58.37	0.016	15	0.29	54.391	16	33.6	58.64	16	33.6	K0	J	14	14893	E -2515556
70		8.4R	39 56.656	-0.0060	18	-26 13 34.27	-0.046	18	0.34	56.753	16	33.6	33.53	16	33.6	G0	J	14	14894	E -2615762
71		9.3A	40 3.861	0.0001	20	-21 7 22.99	-0.008	15	0.33	3.859	16	33.6	22.86	16	33.6	F2	J	13A	9279	A -21 6074
72		8.8R	40 9.066	0.0021	20	-28 54 38.82	-0.006	20	0.36	9.031	16	33.6	38.72	16	33.6	K0	J	13B	14212	J -2917963
73		8.2R	40 9.150	0.0013	18	-25 23 58.27	0.029	18	0.34	9.129	16	33.6	58.75	16	33.6	K0	J	14	14895	E -2317068
74		8.8A	40 11.502	0.0011	20	-20 38 26.24	0.016	15	0.33	11.484	16	33.6	26.50	16	33.6	A2	J	13A	9281	A -21 6076
75		9.1R	40 16.593	0.0022	18	-23 16 58.38	0.022	18	0.34	16.556	16	33.6	58.75	16	33.6	K5	J	14	14896	E -2317070
76		8.6R	40 29.001	0.0030	18	-26 14 32.88	-0.007	18	0.34	28.952	16	33.6	32.77	16	33.6	F8	J	14	14897	E -2615767
77		7.2T	40 29.857	0.0011	10	-24 22 14.48	-0.009	08	0.55	29.795	17	95.8	13.92	18	89.1	K0		GC	30401	C -2416790
78		9.3R	40 33.105	0.0053	15	-24 53 43.09	-0.093	15	0.29	33.018	16	33.6	41.57	16	33.6	F5	J	14	14899	E -2515560
79		8.7R	40 38.555	0.0058	18	-26 56 45.44	-0.041	15	0.31	38.459	16	33.6	44.77	16	33.6	G0	J	13B	14214	J -2715586
80		9.3R	40 55.562	-0.0003	15	-22 48 39.00	-0.013	15	0.29	55.567	16	33.6	38.79	16	33.6	G5	M	14	14900	E -2317073
81		8.9A	41 5.213	0.0005	15	-20 59 33.46	-0.004	11	0.26	5.206	16	33.6	33.38	16	33.6	G0	J	13A	9285	A -21 6080
82		8.8R	41 7.294	0.0120	20	-28 7 16.74	-0.090	20	0.36	7.098	16	33.6	15.27	16	33.6	G0	J	13B	14215	J -2817425
83		9.2R	41 11.349	-0.0029	18	-24 44 52.53	-0.003	18	0.34	11.397	16	33.6	52.49	16	33.6	K0	J	14	14902	E -2515567
84		9.0A	41 15.938	0.0017	20	-20 10 3.33	0.026	15	0.33	15.911	16	33.6	3.76	16	33.6	A0	J	13A	9289	A -20 6278
85		9.2R	41 18.103	0.0006	17	-28 42 28.36	-0.047	17	0.31	18.093	16	33.6	27.59	16	33.6	K0	M	13B	14217	J -2917971
86		9.2R	41 19.870	0.0029	18	-24 12 55.59	-0.011	18	0.34	19.822	16	33.6	55.41	16	33.6	K0	J	14	14903	E -2416797
87		9.0R	41 22.390	0.0020	20	-27 54 29.38	-0.001	20	0.36	22.358	16	33.6	29.37	16	33.6	K0	J	13B	14218	J -2817428
88		9.0R	41 23.142	-0.0038	20	-28 33 55.63	-0.011	20	0.36	23.205	16	33.6	55.45	16	33.6	G5	J	13B	14219	J -2817427
89		9.0R	41 31.583	0.0007	15	-23 44 56.46	0.001	15	0.29	31.571	16	33.6	56.48	16	33.6	K5	J	14	14904	E -2416799
90		9.0R	41 39.695	-0.0094	20	-25 16 28.05	-0.024	20	0.36	39.849	16	33.6	27.66	16	33.6	G0	J	14	14905	E -2515570
91		9.2A	41 40.695	0.0003	20	-21 7 22.62	-0.028	15	0.33	40.690	16	33.6	22.16	16	33.6	G0	J	13A	9290	A -21 6083
92		7.3T	41 41.078	0.0012	12	-25 23 28.60	-0.069	12	0.67	41.016	21	98.3	19.66	19	97.5	F2		GC	30430	C -2515571
93		9.1R	41 54.213	0.0018	17	-27 42 32.85	0.014	17	0.31	54.183	16	33.6	33.08	16	33.6	K0	J	13B	14224	J -2817432
94		9.1A	41 56.127	-0.0002	15	-21 30 2.46	0.011	11	0.26	56.130	16	33.6	2.64	16	33.6	F0	J	13A	9293	A -21 6084
95		7.5R	41 57.657	0.0052	18	-26 31 48.10	-0.028	18	0.34	57.572	16	33.6	47.64	16	33.6	K0	J	14	14908	E -2615782
96		7.4R	42 7.920	0.0020	15	-26 43 16.34	0.030	15	0.29	7.888	16	33.6	16.83	16	33.6	K5	J	14	14909	E -2715600
97		7.2R	42 15.581	0.0020	15	-22 47 39.03	-0.031	15	0.29	15.548	16	33.6	38.53	16	33.6	F2	J	14	14910	E -2317083
98		9.1A	42 16.813	0.0003	15	-20 20 34.55	0.002	11	0.26	16.808	16	33.6	34.59	16	33.6	F0	J	13A	9294	A -20 6283
99		8.6R	42 16.951	0.0058	20	-27 7 0.12	-0.007	20	0.36	16.856	16	33.6	0.01	16	33.6	K5	J	13B	14225	J -2715602
00		8.8R	42 23.431	0.0014	18	-27 10 36.54	0.011	18	0.34	23.408	16	33.6	36.72	16	33.6	A0	J	13B	14226	J -2715603

190600			EPOCH 1950								ORIGINAL EPOCH							SP.		SOURCE		-20° 21H
NUMBER	MAGNITUDES		α_{1950}	μ	σ_μ	δ_{1950}	μ'	σ'_μ	σ_{1950}	α_2	σ	ep.	δ_2	σ'	ep.			CAT.	STAR NUMBER	DM NUMBER
	m_{pg}	m_v	h m s	s	″.001	° ′ ″	″	″.001	″	s	″.01		″	″.01						
1		9.4R	21 42 28.037	0.0000	20	-29 18 49.93	-0.048	20	0.36	28.036	16	33.6	49.14	16	33.6	F5	M	13B	14227	J -2917983
2		9.1R	42 30.859	-0.0036	18	-22 6 21.08	-0.121	18	0.34	30.918	16	33.6	19.10	16	33.6	G0	J	14	14911	E -2215547
3		9.4R	42 34.838	-0.0023	18	-22 52 7.03	0.004	18	0.34	34.876	16	33.6	7.10	16	33.6	K2	J	14	14912	E -2317086
4		7.5T	42 35.081	0.0019	12	-28 21 28.04	-0.030	12	0.62	34.986	17	98.7	26.53	15	99.1	K5		GC	30458	C -2817438
5		8.0T	42 38.779	0.0086	12	-28 57 18.63	-0.023	12	0.67	38.327	18	97.4	17.42	18	96.9	F2		GC	30460	C -2917984
6		8.2R	42 49.848	0.0012	18	-26 43 6.07	-0.018	18	0.34	49.828	16	33.6	5.78	16	33.6	K5	J	14	14913	E -2715609
7		9.2R	42 58.053	0.0050	18	-26 6 38.85	0.002	18	0.34	57.971	16	33.6	38.89	16	33.6	K0	J	14	14914	E -2615789
8		9.4R	43 6.676	0.0032	20	-26 56 37.77	0.067	20	0.36	6.623	16	33.6	38.87	16	33.6	G0	J	13B	14232	J -2715611
9		9.2R	43 6.979	0.0039	20	-26 56 19.52	-0.009	20	0.36	6.915	16	33.6	19.37	16	33.6	G0	J	13B	14233	J -2715611
10		7.9R	43 22.079	-0.0006	12	-25 2 54.19	0.024	12	0.25	22.088	16	33.6	54.58	16	33.6	A3	J	14	14915	E -2515576
11	10.5	9.6W	43 32.138	-0.0010	21	-29 52 43.26	-0.013	21	0.43	32.155	22	32.2	43.03	21	32.2	K0		C7	11859	C -3018822
12		9.5R	43 41.965	-0.0039	18	-22 21 1.06	0.017	18	0.34	42.029	16	33.6	1.34	16	33.6	F8	J	14	14916	E -2215558
13		9.0R	43 49.249	-0.0000	20	-28 42 54.57	-0.008	20	0.36	49.249	16	33.6	54.44	16	33.6	G0	M	13B	14236	J -2917994
14		9.2R	43 52.396	0.0021	20	-28 0 37.04	-0.061	20	0.36	52.362	16	33.6	36.04	16	33.6	K0	M	13B	14238	J -2817446
15		8.7R	43 52.402	-0.0019	15	-26 49 17.67	-0.012	15	0.29	52.434	16	33.6	17.48	16	33.6	F8	J	13B	14239K	J -2715614
16		9.0R	43 54.940	0.0009	20	-26 4 11.25	-0.002	20	0.36	54.925	16	33.6	11.22	16	33.6	K0	J	14	14917	E -2615800
17		8.7R	43 55.674	-0.0012	15	-22 42 54.23	-0.029	15	0.29	55.694	16	33.6	53.76	16	33.6	M0	M	14	14918	E -2317096
18		8.5R	44 6.590	0.0049	18	-25 51 49.85	0.022	18	0.34	6.508	16	33.6	50.22	16	33.6	K0	J	14	14919	E -2615801
19		8.0R	44 8.344	0.0030	12	-25 18 16.12	-0.076	12	0.25	8.295	16	33.6	14.88	16	33.6	F5	J	14	14920	E -2515581
20		9.3R	44 17.047	-0.0013	17	-29 14 10.16	-0.032	17	0.31	17.068	16	33.6	9.63	16	33.6	K0	M	13B	14243	J -2918002
21		8.8R	44 18.089	0.0014	18	-21 53 26.10	0.013	18	0.34	18.067	16	33.6	26.31	16	33.6	A2	J	14	14921	E -2215563
22		8.5A	44 21.106	0.0015	20	-20 45 10.49	0.026	15	0.33	21.082	16	33.6	10.91	16	33.6	F0	J	13A	9302	A -21 6091
23		8.9R	44 22.530	-0.0009	17	-29 2 59.69	-0.027	17	0.31	22.545	16	33.6	59.25	16	33.6	F2	J	13B	14244	J -2918003
24		9.0R	44 24.653	0.0071	20	-27 20 44.56	-0.062	20	0.36	24.537	16	33.6	43.54	16	33.6	K0	J	13B	14245	J -2715621
25		9.4R	44 33.722	0.0012	18	-23 10 13.92	-0.017	18	0.34	33.702	16	33.6	13.65	16	33.6	F2	J	14	14922	E -2317101
26		9.0R	44 36.452	0.0052	20	-27 5 10.30	0.012	20	0.36	36.367	16	33.6	10.50	16	33.6	K0	J	13B	14246	J -2715622
27		9.0R	44 38.794	-0.0021	18	-23 54 12.59	-0.038	18	0.34	38.828	16	33.6	11.96	16	33.6	F8	J	14	14923	E -2416829
28		8.5R	44 43.370	0.0015	15	-26 8 28.03	-0.021	15	0.29	43.345	16	33.6	27.69	16	33.6	F8	J	14	14924	E -2615806
29		7.5T	44 47.820	-0.0026	11	-27 58 58.98	-0.026	11	0.60	47.957	18	97.9	57.61	17	96.8	K2		GC	30507	C -2817454
30		8.1R	44 53.436	0.0039	20	-27 37 8.64	0.007	20	0.36	53.372	16	33.6	8.76	16	33.6	K0	J	13B	14250	J -2715624
31		8.8A	45 1.674	-0.0039	15	-21 34 54.11	-0.017	11	0.26	1.739	16	33.6	53.83	16	33.6	K0	J	13A	9309	A -22 5766
32		8.9R	45 4.657	0.0055	15	-24 1 7.04	-0.007	15	0.29	4.567	16	33.6	6.93	16	33.6	G5	J	14	14925	E -2416834
33		8.4R	45 7.386	0.0033	18	-27 26 2.91	-0.025	18	0.34	7.332	16	33.6	2.51	16	33.6	K0	J	13B	14251	J -2715626
34	10.4	10.1W	45 10.182	-0.0002	21	-29 51 53.90	0.007	21	0.43	10.185	22	32.2	54.03	21	32.2	G0		C7	11874	C -3018843
35		7.7T	45 17.704	0.0013	11	-26 6 37.17	-0.020	11	0.63	17.632	18	95.8	36.10	18	95.5	G5		GC	30519	C -2615812
36		8.0R	45 18.349	-0.0018	17	-28 26 36.23	-0.048	17	0.31	18.378	16	33.6	35.45	16	33.6	K5	J	13B	14253	J -2817457
37		8.5R	45 20.475	0.0015	18	-24 17 17.63	0.010	18	0.34	20.451	16	33.6	17.79	16	33.6	F0	J	14	14927	E -2416836
38		8.7R	45 28.073	0.0023	20	-27 22 35.82	0.016	20	0.36	28.035	16	33.6	36.08	16	33.6	K0	J	13B	14254	J -2715627
39		8.1R	45 36.204	-0.0041	18	-26 28 2.11	-0.058	18	0.34	36.272	16	33.6	1.17	16	33.6	F5	J	14	14929	E -2615817
40		9.2R	45 39.008	-0.0021	15	-21 54 7.12	-0.018	15	0.29	39.043	16	33.6	6.82	16	33.6	G5	J	14	14930	E -2215574
41		9.2R	45 43.181	-0.0001	18	-24 34 4.96	0.011	18	0.34	43.182	16	33.6	5.14	16	33.6	G0	J	14	14931	E -2416839
42		9.0R	45 47.336	0.0044	17	-29 30 33.88	-0.070	17	0.31	47.263	16	33.6	32.74	16	33.6	G0	J	13B	14256	J -2918016
43		9.3R	45 52.200	-0.0002	20	-29 43 52.64	0.035	20	0.36	52.203	16	33.6	53.22	16	33.6	G0	M	13B	14257	J -3018845
44		8.8R	45 53.784	0.0010	18	-22 21 31.60	0.006	18	0.34	53.768	16	33.6	31.70	16	33.6	K0	J	14	14932	E -2215576
45		8.5R	45 56.794	0.0054	15	-24 41 43.62	0.015	15	0.29	56.705	16	33.6	43.87	16	33.6	F5	J	14	14933	E -2515593
46		8.2R	45 57.561	0.0009	13	-29 35 55.50	0.040	13	0.27	57.546	16	33.6	56.16	16	33.6	K0	J	13B	14258	J -2918017
47		8.6R	45 58.173	0.0029	18	-26 18 48.65	-0.071	18	0.34	58.126	16	33.6	47.50	16	33.6	G0	J	14	14934	E -2615820
48		8.4R	46 0.094	0.0001	17	-28 43 8.45	-0.018	17	0.31	0.092	16	33.6	8.16	16	33.6	K0	J	13B	14259	J -2918018
49		9.4R	46 0.226	0.0014	18	-24 34 2.43	-0.001	18	0.34	0.203	16	33.6	2.42	16	33.6	K0	J	14	14935	E -2416841
50		9.1T	46 4.718	-0.0009	16	-23 52 20.27	-0.028	18	0.82	4.759	22	02.5	19.00	24	05.0	K5		GC	30528	C -2416842
51		9.3R	21 46 4.834	0.0048	20	-29 24 29.77	0.005	20	0.36	4.755	16	33.6	29.85	16	33.6	G0	J	13B	14260	J -2918019
52		9.1A	46 15.966	0.0083	20	-20 22 53.55	-0.007	15	0.33	15.830	16	33.6	53.44	16	33.6	F8	J	13A	9315	A -20 6297
53		8.3T	46 17.787	0.0020	14	-23 3 7.81	0.007	10	0.63	17.691	19	01.5	8.18	18	98.6	G5		GC	30536	C -2317117
54		9.5R	46 31.137	0.0001	18	-22 51 38.29	-0.009	18	0.34	31.136	16	33.6	38.15	16	33.6	G5	J	14	14938	E -2317120
55		8.6R	46 33.444	0.0009	18	-22 13 27.36	-0.007	18	0.34	33.430	16	33.6	27.24	16	33.6	K5	J	14	14939	E -2215584
56		9.4R	46 48.165	0.0021	15	-22 58 52.74	0.000	15	0.29	48.131	16	33.6	52.75	16	33.6	K0	M	14	14941	E -2317123
57		9.3R	46 50.429	0.0060	18	-22 2 14.01	-0.051	18	0.34	50.331	16	33.6	13.17	16	33.6	G0	J	14	14942	E -2215586
58		8.6A	46 52.048	-0.0000	18	-20 44 28.69	0.010	12	0.30	52.049	16	33.6	28.85	16	33.6	G5	J	13A	9320	A -21 6097
59		9.2R	47 0.313	0.0027	18	-26 24 3.04	0.010	18	0.34	0.268	16	33.6	3.21	16	33.6	F8	J	14	14944	E -2615833
60		7.1T	47 1.093	0.0025	06	-27 38 15.64	-0.010	07	0.28	0.992	07	09.0	15.24	09	09.2	A0		GC	30552	C*-2715639
61		8.2R	47 1.943	0.0000	15	-25 23 4.79	-0.014	15	0.29	1.943	16	33.6	4.56	16	33.6	A0	J	14	14945K	E -2515601
62		9.4R	47 2.294	0.0039	20	-22 25 43.68	-0.015	20	0.36	2.230	16	33.6	43.43	16	33.6	G5	M	14	14946	E -2215589
63		8.9A	47 4.594	-0.0004	15	-20 42 44.92	-0.007	11	0.26	4.601	16	33.6	44.80	16	33.6	G5	J	13A	9321	A -21 6098
64		9.3R	47 6.412	0.0019	17	-29 17 20.23	-0.004	17	0.31	6.381	16	33.6	20.17	16	33.6	K2	M	13B	14265	J -2918029
65		9.3R	47 8.033	0.0018	15	-25 6 23.16	-0.031	15	0.29	8.004	16	33.6	22.65	16	33.6	F5	J	14	14947	E -2515602
66		8.9R	47 10.538	0.0003	12	-28 46 25.75	-0.052	12	0.25	10.533	16	33.6	24.90	16	33.6	G0	J	13B	14266	J -2918030
67		9.1R	47 14.046	0.0023	18	-24 3 31.71	0.003	18	0.34	14.008	16	33.6	31.76	16	33.6	A5	J	14	14948	E -2416854
68		8.6R	47 15.918	-0.0005	18	-26 25 44.08	0.000	18	0.34	15.926	16	33.6	44.09	16	33.6	K0	J	14	14949	E -2615836
69		9.2R	47 28.838	0.0019	18	-24 16 6.76	-0.003	18	0.34	28.807	16	33.6	6.71	16	33.6	F2	J	14	14950	E -2416857
70		9.0A	47 32.371	0.0015	20	-21 30 40.83	0.010	15	0.33	32.347	16	33.6	40.99	16	33.6	G0	J	13A	9325	A -21 6100
71		9.2R	47 34.090	-0.0021	15	-23 53 35.47	-0.011	15	0.29	34.124	16	33.6	35.28	16	33.6	K0	J	14	14951	E -2416858
72		9.0R	47 36.887	-0.0027	15	-22 26 46.06	-0.010	15	0.29	36.931	16	33.6	45.89	16	33.6	F8	J	14	14952	E -2215596
73		8.4R	47 41.104	-0.0058	20	-27 34 11.15	-0.086	20	0.36	41.198	16	33.6	9.75	16	33.6	F8	J	13B	14268	J -2715646
74		9.1R	47 42.415	-0.0036	17	-28 2 39.37	0.009	17	0.31	42.474	16	33.6	39.52	16	33.6	G0	J	13B	14270	J -2817474
75	10.8	9.3W	47 43.263	-0.0030	21	-29 58 52.61	0.001	21	0.43	43.315	22	32.2	52.63	21	32.2	K2		C7	11893	C -3018863
76		9.1R	47 44.607	0.0022	15	-24 25 13.00	-0.017	15	0.29	44.571	16	33.6	12.72	16	33.6	G5	J	14	14953	E -2416860
77		7.4T	47 53.237	0.0017	11	-28 10 0.50	0.004	11	0.57	53.155	14	00.5	0.72	15	99.7	B9		GC	30572K	C -2817477
78		7.6A	48 3.368	0.0016	15	-20 46 30.49	0.006	11	0.26	3.342	16	33.6	30.59	16	33.6	F8	J	13A	9327	A*-21 6102
79		8.9R	48 6.243	-0.0010	15	-25 33 4.25	-0.004	15	0.29	6.259	16	33.6	4.20	16	33.6	K2	J	14	14954	E -2515609
80		8.7A	48 9.213	0.0005	20	-20 25 23.48	0.012	15	0.33	9.204	16	33.6	23.68	16	33.6	M2	J	13A	9328	A -20 6302
81		9.1R	48 11.520	0.0021	17	-27 57 23.85	0.032	12	0.28	11.484	16	33.6	24.38	16	33.6	F8	J	13B	14273	J -2817479
82		9.6R	48 22.485	-0.0034	15	-21 54 36.12	-0.022	15	0.29	22.542	16	33.6	35.76	16	33.6	G0	M	14	14955	E -2215604
83		8.9A	48 29.238	0.0014	20	-20 5 15.46	-0.001	15	0.33	29.215	16	33.6	15.45	16	33.6	K2	J	13A	9329	A -20 6303
84		8.7R	48 30.720	0.0006	12	-28 29 26.60	0.002	12	0.25	30.710	16	33.6	26.63	16	33.6	G5	J	13B	14275	J -2817480
85		6.9H	48 34.073	0.0252	03	-23 30 15.40	-0.087	03	0.09	33.465	05	25.9	12.98	05	22.1	F8		F4	1576	C -2317135
86		9.2R	48 34.303	0.0005	15	-21 59 5.67	-0.031	15	0.29	34.295	16	33.6	5.16	16	33.6	F8	J	14	14957	E -2215607
87		8.0R	48 39.060	0.0024	18	-27 38 1.57	-0.003	18	0.34	39.021	16	33.6	1.52	16	33.6	K0	J	13B	14277	J -2715654
88		9.3R	48 45.852	-0.0001	15	-25 17 8.50	0.008	15	0.29	45.854	16	33.6	8.63	16	33.6	A0	J	14	14958	E -2515615
89		9.0R	48 53.418	0.0021	12	-28 50 39.08	-0.007	12	0.25	53.383	16	33.6	38.97	16	33.6	K2	J	13B	14279	J -2918047
90		9.0A	49 2.065	0.0006	15	-21 28 36.61	0.028	11	0.26	2.055	16	33.6	37.06	16	33.6	K5	J	13A	9333	A -21 6106
91		9.3R	49 2.837	-0.0009	12	-25 29 41.73	0.022	12	0.25	2.852	16	33.6	42.09	16	33.6	G0	J	14	14959	E -2515617
92		9.0R	49 14.704	0.0039	18	-22 59 38.00	0.030	18	0.34	14.640	16	33.6	38.50	16	33.6	K0	J	14	14960	E -2317142
93		8.7R	49 17.256	-0.0016	18	-24 37 38.26	0.023	18	0.34	17.282	16	33.6	38.64	16	33.6	F0	J	14	14961	E -2416874
94		9.5R	49 21.311	0.0020	21	-29 22 44.95	-0.013	21	0.38	21.277	16	33.6	44.74	16	33.6	G	M	13B	14281	J -2918053
95		9.4R	49 32.642	-0.0015	18	-22 37 34.08	0.031	18	0.34	32.667	16	33.6	34.60	16	33.6	F5	J	14	14963	E -2215616
96		8.4R	49 32.715	0.0019	18	-25 36 20.75	0.010	18	0.34	32.683	16	33.6	20.92	16	33.6	K0	J	14	14962K	E -2515626
97		7.6T	49 36.848	0.0009	13	-27 33 2.91	-0.014	12	0.70	36.804	18	98.8	2.19	18	97.0	K0		GC	30608	C -2715661
98		9.0R	49 44.237	-0.0000	18	-22 54 56.80	-0.013	18	0.34	44.237	16	33.6	56.59	16	33.6	G5	J	14	14966	E -2317145
99		8.5R	49 44.591	0.0120	18	-26 15 35.93	-0.104	18	0.34	44.393	16	33.6	34.24	16	33.6	G5	J	14	14964	E -2615858
00		9.4R	49 44.687	0.0034	18	-24 0 22.84	-0.024	18	0.34	44.631	16	33.6	22.45	16	33.6	K0	M	14	14965	E -2416864

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NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	CAT.	STAR NUMBER	DM NUMBER
1		8.5R	21 49 44.937	0.0079	20	-27 20 21.66	-0.002	20	0.36	44.808	16	33.6	21.64	16	33.6	K5 J	13B	14263	J -2715662
2		8.7R	49 47.707	0.0020	12	-29 7 46.32	-0.012	12	0.25	47.675	16	33.6	46.12	16	33.6	K0 J	13B	14284	J -2918055
3		8.8A	49 47.978	0.0007	20	-20 2 51.98	0.033	15	0.33	47.966	16	33.6	52.52	16	33.6	K5 J	13A	9336	A -20 6307
4		9.5R	49 48.437	-0.0025	18	-21 57 12.97	-0.013	18	0.34	48.478	16	33.6	12.75	16	33.6	K0 M	14	14967	E -2215617
5		8.9R	50 2.727	0.0017	17	-29 0 5.64	-0.016	17	0.31	2.698	16	33.6	5.38	16	33.6	K0 J	13B	14285	J -2918059
6		9.2A	50 4.532	0.0002	18	-20 15 20.58	-0.016	13	0.30	4.529	16	33.6	20.32	16	33.6	G0 J	13A	9340K	A -20 6310
7		9.5R	50 8.501	-0.0025	18	-22 6 35.12	-0.013	18	0.34	8.542	16	33.6	34.90	16	33.6	G5 J	14	14968	E -2215620
8		9.3R	50 24.195	0.0059	12	-24 47 21.76	-0.004	12	0.25	24.098	16	33.6	21.70	16	33.6	F8 J	14	14969	E -2215630
9		9.0R	50 28.638	0.0022	15	-26 48 17.64	0.007	15	0.29	28.602	16	33.6	17.76	16	33.6	K0 J	13B	14286	J -2715668
10		8.5R	50 30.849	-0.0021	18	-24 17 39.59	-0.006	18	0.34	30.884	16	33.6	39.49	16	33.6	K0 J	14	14970	E -2416889
11		9.3R	50 40.538	-0.0014	15	-25 24 32.89	0.058	15	0.29	40.562	16	33.6	33.84	16	33.6	G0 J	14	14971	E -2215635
12		9.1R	50 42.608	-0.0038	20	-29 7 11.16	0.014	20	0.36	42.671	16	33.6	11.39	16	33.6	G0 M	13B	14288	J -2918064
13		9.1R	50 47.586	-0.0007	18	-22 9 57.92	0.011	18	0.34	47.598	16	33.6	58.10	16	33.6	M1 J	14	14972	E -2215623
14		8.0T	50 48.081	0.0130	17	-28 54 14.41	-0.220	16	0.78	47.488	19	04.3	4.16	19	03.4	G5	GC	30637	C -2918065
15		9.0R	50 48.173	0.0020	18	-21 57 16.75	0.013	18	0.34	48.140	16	33.6	16.96	16	33.6	A5 J	14	14973	E -2215624
16		8.1G	50 59.599	0.0026	11	-20 14 44.44	0.127	08	0.50	59.481	18	04.5	50.80	18	00.0	F8	GC	30643K	B*-20 6313
17		8.8R	51 2.398	-0.0014	18	-25 22 5.04	-0.010	18	0.34	2.420	16	33.6	4.88	16	33.6	F8 J	14	14974	E -2215642
18		9.0R	51 2.412	0.0005	20	-27 59 58.43	0.001	20	0.36	2.404	16	33.6	58.45	16	33.6	F5 J	13B	14291	J -2817498
19		8.3R	51 5.044	0.0021	18	-26 0 48.43	0.025	18	0.34	5.010	16	33.6	48.85	16	33.6	A3 J	14	14975	E -2615875
20		9.0R	51 5.215	0.0126	20	-26 55 57.82	-0.057	20	0.36	5.009	16	33.6	56.89	16	33.6	G0 J	13B	14292	J -2715671
21		9.0R	51 13.865	0.0005	18	-26 46 13.06	-0.009	18	0.34	13.857	16	33.6	12.92	16	33.6	K0 J	13B	14293	J -2715672
22		9.8R	51 29.161	-0.0003	18	-23 12 4.12	-0.004	18	0.34	29.166	16	33.6	4.06	16	33.6	A2 J	14	14977	E -2317156
23		8.6R	51 36.998	0.0010	15	-26 52 18.40	-0.022	15	0.29	36.981	16	33.6	18.05	16	33.6	K5 J	13B	14295	J -2715674
24		9.4R	51 37.540	0.0011	18	-24 32 24.16	0.000	18	0.34	37.522	16	33.6	24.16	16	33.6	K0 M	14	14979	E -2416895
25		9.0R	51 38.201	-0.0092	20	-28 2 19.36	0.077	20	0.36	38.352	16	33.6	20.62	16	33.6	F8 J	13B	14296	J -2817504
26		8.5R	51 41.632	-0.0017	12	-29 4 25.27	-0.020	12	0.25	41.660	16	33.6	24.94	16	33.6	G5 J	13B	14297	J -2918073
27		9.2R	51 51.553	-0.0006	20	-29 27 50.91	-0.057	20	0.36	51.562	16	33.6	49.98	16	33.6	K0 M	13B	14298	J -2918076
28		9.1R	52 5.354	0.0022	15	-27 15 7.85	0.017	15	0.29	5.317	16	33.6	8.14	16	33.6	G5 J	13B	14299	J -2715676
29		9.4R	52 9.405	-0.0002	15	-21 49 25.20	-0.056	15	0.29	9.408	16	33.6	24.28	16	33.6	G0 M	14	14980	E -2215638
30		9.4R	52 15.734	-0.0011	20	-22 50 58.66	0.016	20	0.36	15.752	16	33.6	58.93	16	33.6	F8 J	14	14981	E -2317164
31		9.2R	52 26.586	-0.0012	12	-28 31 38.91	0.015	12	0.25	26.605	16	33.6	39.16	16	33.6	F8 M	13B	14305	J -2817507
32		9.1R	52 27.113	0.0021	12	-22 50 58.10	0.009	12	0.25	27.079	16	33.6	58.26	16	33.6	G0 J	14	14982	E -2317166
33		9.2R	52 32.520	0.0015	15	-25 49 23.34	-0.018	18	0.31	32.496	16	33.6	23.05	16	33.6	G5 J	14	14983	E -2615887
34		8.6R	52 33.654	0.0013	18	-27 35 27.38	0.025	18	0.34	33.632	16	33.6	27.79	16	33.6	K2 J	13B	14306	J -2715681
35		8.6R	52 34.022	0.0025	15	-23 58 21.30	0.016	15	0.29	33.980	16	33.6	21.56	16	33.6	K0 J	14	14984	E -2416901
36		9.2R	52 34.889	-0.0026	18	-22 32 31.98	-0.001	18	0.34	34.932	16	33.6	31.97	16	33.6	G5 J	14	14985	E -2215640
37		8.4R	52 38.379	0.0013	18	-23 31 35.97	0.020	18	0.34	38.358	16	33.6	36.30	16	33.6	M4 M	14	14987	E -2317167
38		8.6R	52 39.426	0.0012	15	-25 15 8.95	0.031	15	0.29	39.406	16	33.6	9.46	16	33.6	K0 J	14	14986	E -2515655
39	9.2	8.5W	52 48.040	0.0072	21	-29 56 28.19	-0.172	21	0.42	47.915	22	32.8	25.23	21	32.8	G5	C7	11934	C -3018913
40		8.4A	52 49.222	0.0012	20	-20 39 26.93	0.019	15	0.33	49.202	16	33.6	27.24	16	33.6	K0 J	13A	9351	A -21 6119
41		7.7A	52 51.151	-0.0027	20	-21 22 37.69	-0.028	15	0.33	51.194	16	33.6	37.23	16	33.6	M3 J	13A	9353	A -21 6120
42		8.4R	52 54.199	-0.0003	18	-23 17 25.56	-0.026	18	0.34	54.204	16	33.6	25.14	16	33.6	K5 J	14	14988	E -2317171
43		9.2R	53 7.667	0.0005	12	-25 13 34.53	-0.010	12	0.25	7.659	16	33.6	34.37	16	33.6	K2 M	14	14989	E -2515659
44		9.2R	53 12.398	0.0002	20	-26 38 45.84	-0.003	20	0.36	12.394	16	33.6	45.80	16	33.6	F8 J	14	14990	E -2715684
45		9.0R	53 14.203	0.0015	12	-26 1 54.20	0.020	12	0.25	14.177	16	33.6	54.54	16	33.6	G5 J	14	14991	E -2615892
46		9.0R	53 19.412	-0.0024	18	-24 3 10.51	-0.006	18	0.34	19.451	16	33.6	10.40	16	33.6	G5 J	14	14992	E -2416908
47		8.8R	53 28.077	0.0008	12	-29 35 11.60	-0.044	12	0.25	28.065	16	33.6	10.88	16	33.6	K2 J	13B	14310	J -2918086
48		8.8R	53 30.346	-0.0000	12	-28 10 29.53	-0.039	12	0.25	30.346	16	33.6	28.89	16	33.6	G5 J	13B	14313	J -2817517
49		9.0R	53 36.208	0.0001	15	-23 30 19.15	0.004	15	0.29	36.207	16	33.6	19.22	16	33.6	K5 J	14	14994	E -2317176
50		7.5R	53 39.164	0.0049	18	-25 44 16.43	0.037	18	0.34	39.083	16	33.6	17.04	16	33.6	G5 J	14	14995	E -2615895
51		9.3R	21 53 41.682	-0.0027	20	-26 30 24.31	-0.034	20	0.36	41.727	16	33.6	23.76	16	33.6	F0 M	14	14996	E -2615896
52		8.7R	53 42.634	0.0061	18	-22 20 24.99	-0.033	18	0.34	42.534	16	33.6	24.45	16	33.6	G5 J	14	14997	E -2215653
53		9.1R	53 43.570	-0.0058	17	-29 46 42.16	-0.090	17	0.31	43.664	16	33.6	40.69	16	33.6	K0 M	13B	14315	J -3018923
54		9.1R	53 45.067	-0.0022	15	-23 46 49.20	-0.049	15	0.29	45.103	16	33.6	48.40	16	33.6	F8 J	14	15000	E -2416911
55		9.3R	53 45.451	0.0035	15	-24 22 41.98	0.001	15	0.29	45.394	16	33.6	42.00	16	33.6	A3 J	14	14999	E -2416912
56		8.8A	53 46.218	-0.0015	20	-20 15 55.47	0.011	15	0.33	46.243	16	33.6	55.66	16	33.6	K5 J	13A	9358	A -20 6326
57		9.3R	53 46.813	-0.0049	18	-21 59 39.83	0.038	18	0.34	46.894	16	33.6	40.45	16	33.6	F8 J	14	15001	E -2215654
58		9.1A	53 47.770	-0.0005	20	-21 0 11.97	-0.021	15	0.33	47.778	16	33.6	11.62	16	33.6	G5 J	13A	9359	A -21 6124
59		9.1A	53 48.896	0.0014	20	-20 46 14.56	0.019	15	0.33	48.873	16	33.6	14.87	16	33.6	G5 J	13A	9360	A -21 6125
60		8.4R	53 53.696	0.0017	18	-24 14 41.31	-0.014	18	0.34	53.668	16	33.6	41.08	16	33.6	G5 J	14	15002	E -2416914
61		7.9R	53 54.615	-0.0008	12	-29 3 20.65	0.027	12	0.25	54.628	16	33.6	21.09	16	33.6	K0 J	13B	14316	J -2918087
62		9.3R	53 54.649	-0.0003	20	-25 36 1.16	-0.044	20	0.36	54.654	16	33.6	0.45	16	33.6	F8 J	14	15003	E -2515671
63		8.1R	54 5.669	0.0010	12	-28 26 58.40	-0.020	12	0.25	5.652	16	33.6	58.07	16	33.6	F2 J	13B	14318	J -2817521
64		8.6R	54 9.039	0.0011	18	-27 15 14.38	0.017	18	0.34	9.020	16	33.6	14.66	16	33.6	F2 J	13B	14320	J -2715695
65		7.6T	54 11.071	-0.0020	11	-26 43 1.90	-0.067	11	0.62	11.175	15	96.9	-58.32	18	96.3	F5	GC	30711	C -2715696
66		9.4R	54 16.328	0.0084	15	-22 15 3.45	-0.060	15	0.29	16.190	16	33.6	2.46	16	33.6	G5 J	14	15005	E -2215658
67		8.3R	54 37.039	-0.0015	18	-22 55 35.78	-0.041	18	0.34	37.064	16	33.6	35.12	16	33.6	G0 J	14	15006	E -2317184
68		9.0R	54 41.402	-0.0002	18	-22 30 10.82	-0.005	18	0.34	41.405	16	33.6	10.75	16	33.6	F5 J	14	15007	E -2215664
69		9.0R	54 46.768	0.0009	20	-26 57 31.49	-0.024	20	0.36	46.753	16	33.6	31.11	16	33.6	K2 J	13B	14324	J -2715702
70		9.2R	54 47.704	-0.0008	15	-21 38 45.54	-0.030	15	0.29	47.718	16	33.6	45.05	16	33.6	F5 J	14	15009	E -2215666
71		9.1R	54 50.051	0.0009	15	-25 7 16.22	0.007	15	0.29	50.036	16	33.6	16.34	16	33.6	K0 J	14	15008	E -2515678
72		8.6R	54 51.180	-0.0023	17	-28 1 8.92	0.017	17	0.31	51.218	16	33.6	9.20	16	33.6	F8 J	13B	14325	J -2817523
73		9.2R	54 54.074	0.0011	18	-22 56 26.60	-0.009	18	0.34	54.055	16	33.6	26.46	16	33.6	K2 J	14	15010	E -2317186
74		8.7R	54 56.076	0.0052	12	-29 21 8.34	0.127	12	0.25	55.991	16	33.6	10.42	16	33.6	K0 J	13B	14326	J -2918093
75		9.1R	55 2.140	0.0055	12	-27 55 42.37	0.029	12	0.25	2.049	16	33.6	42.85	16	33.6	F8 M	13B	14328	J -2817526
76		9.5R	55 7.699	-0.0069	18	-22 31 48.15	-0.079	18	0.34	7.802	16	33.6	46.86	16	33.6	K0 M	14	15011	E -2215671
77		9.3R	55 22.370	0.0020	20	-22 39 49.55	-0.005	20	0.36	22.337	16	33.6	49.48	16	33.6	G5 M	14	15012	E*-2317189
78		9.2R	55 22.486	-0.0045	17	-29 9 26.53	0.020	17	0.31	22.540	16	33.6	26.86	16	33.6	K2 M	13B	14329	J -2918099
79		7.6R	55 23.154	0.0012	17	-23 28 9.62	0.033	17	0.31	23.134	16	33.6	10.17	16	33.6	K2 J	14	15013	E -2317188
80		9.1R	55 25.081	0.0015	18	-24 13 49.15	-0.045	18	0.34	25.056	16	33.6	48.41	16	33.6	K0 J	14	15014	E -2416924
81		8.8A	55 31.141	-0.0019	15	-20 58 33.25	-0.012	11	0.26	31.172	16	33.6	33.05	16	33.6	K0 J	13A	9368	A -21 6130
82		9.4R	55 31.736	-0.0025	20	-26 23 22.81	-0.032	20	0.36	31.776	16	33.6	22.30	16	33.6	G5 J	14	15015	E -2615908
83	9.3	9.0W	55 35.162	-0.0008	21	-29 58 39.79	0.014	21	0.42	35.175	22	32.8	40.03	21	32.8	F8	C7	11954	C -3018941
84		9.3R	55 35.810	0.0017	18	-21 43 26.28	-0.028	18	0.34	35.782	16	33.6	25.82	16	33.6	K2 J	14	15016	E -2215673
85		9.0R	55 53.705	0.0081	20	-25 48 39.08	-0.053	20	0.36	53.571	16	33.6	38.22	16	33.6	F8 J	14	15017	E -2615911
86		8.2T	55 56.633	0.0013	04	-21 22 20.72	-0.001	04	0.20	56.568	06	99.9	20.65	06	99.7	MB	GC	30746	B*-21 6131
87		9.2R	56 6.602	0.0011	17	-26 18 51.86	0.032	17	0.31	6.583	16	33.6	52.39	16	33.6	F8 J	14	15018	E -2615914
88		9.3R	56 9.356	0.0142	18	-21 51 53.51	-0.042	18	0.34	9.122	16	33.6	52.82	16	33.6	G5 J	14	15019	E -2215678
89		8.4R	56 16.646	-0.0002	15	-25 35 36.37	0.013	15	0.29	16.649	16	33.6	36.59	16	33.6	K5 J	14	15020	E -2515690
90		8.4R	56 23.107	0.0012	18	-24 7 47.49	-0.006	18	0.34	23.088	16	33.6	47.39	16	33.6	K2 J	14	15021	E -2416934
91		9.2A	56 26.891	0.0013	20	-20 12 1.20	0.019	15	0.33	26.870	16	33.6	1.51	16	33.6	F5 J	13A	9375	A -20 6335
92		9.1R	56 28.603	0.0012	15	-22 54 14.18	0.017	15	0.29	28.583	16	33.6	14.47	16	33.6	K0 J	14	15023	E -2317198
93		7.1T	56 28.794	0.0033	06	-24 4 21.49	-0.011	06	0.28	28.647	10	05.9	20.98	10	04.3	A0	GC	30758	C*-2416935
94		7.4T	56 29.111	0.0045	06	-23 6 43.00	0.018	05	0.26	28.918	10	06.9	43.88	10	02.2	F5	GC	30759	C -2317199
95		8.8A	56 32.464	-0.0015	20	-20 14 38.85	0.012	15	0.33	32.488	16	33.6	39.05	16	33.6	A5 J	13A	9376	A -20 6336
96		8.7R	56 33.853	-0.0016	17	-24 43 2.63	-0.017	17	0.31	33.879	16	33.6	2.36	16	33.6	K0 J	14	15025	E -2515693
97		9.1R	56 36.892	0.0028	17	-22 21 2.78	-0.012	17	0.31	36.846	16	33.6	2.58	16	33.6	F8 J	14	15026	E -2215681
98		7.1T	56 38.105	-0.0028	12	-29 17 46.89	-0.022	12	0.62	38.246	15	99.6	45.77	17	98.9	K0	GC	30762K	C -2918106
99		8.9R	56 40.641	-0.0047	20	-24 52 46.80	0.031	20	0.36	40.718	16	33.6	47.31	16	33.6	G0 J	14	15027	E -2515695
100		7.5T	56 43.073	0.0029	09	-27 52 12.76	0.002	09	0.53	42.916	17	95.0	12.89	18	92.8	F0	GC	30763K	C -2817533

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NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	CAT.	STAR NUMBER	DM NUMBER
1		8.7R	21 56 43.231	0.0056	17	-25 58 11.10	0.052	17	0.31	43.139	16	33.6	11.96	16	33.6	F8 J	14	15028	E -2615919
2		9.1R	56 45.615	-0.0000	20	-25 19 24.65	0.006	20	0.36	45.616	16	33.6	24.75	16	33.6	K2 M	14	15029	E -2515696
3		7.3T	56 55.669	-0.0042	10	-28 51 32.37	-0.009	09	0.52	55.883	17	99.0	31.90	17	96.8	F2	GC	30766	C -2918107
4		9.0R	56 57.704	0.0005	20	-21 57 27.46	0.021	20	0.36	57.696	16	33.6	27.80	16	33.6	F8 J	14	15031	E -2215682
5		9.3A	57 2.497	0.0025	12	-20 52 25.23	0.022	11	0.24	2.455	16	33.6	25.58	16	33.6	G0 J	13A	9380	A -21 6139
6		8.6R	57 9.950	0.0021	20	-27 40 29.46	-0.049	20	0.36	9.916	16	33.6	28.66	16	33.6	K5 J	13B	14339	J -2817538
7		8.7R	57 11.185	-0.0006	21	-29 12 37.61	-0.012	21	0.38	11.194	16	33.6	37.41	16	33.6	K2 J	13B	14340	J -2918111
8		9.3R	57 12.027	0.0124	18	-24 4 26.08	-0.041	18	0.34	11.824	16	33.6	25.41	16	33.6	G5 J	14	15032	E -2416940
9		9.3R	57 14.242	-0.0003	17	-25 24 9.78	0.032	17	0.31	14.248	16	33.6	10.31	16	33.6	K0 M	14	15033	E -2515699
10		9.0R	57 20.952	0.0066	20	-27 32 23.15	0.031	20	0.36	20.844	16	33.6	23.66	16	33.6	G0 J	13B	14341	J -2715721
11		9.5R	57 24.692	-0.0008	18	-22 6 3.07	0.005	18	0.34	24.706	16	33.6	3.15	16	33.6	K0 M	14	15035	E -2215687
12		9.1R	57 26.297	-0.0025	15	-25 22 52.47	0.042	15	0.29	26.337	16	33.6	53.16	16	33.6	F8 M	14	15034	E -2515701
13		9.0R	57 27.757	0.0019	20	-25 2 57.87	-0.025	20	0.36	27.727	16	33.6	57.46	16	33.6	F0 J	14	15036	E -2515703
14		8.8R	57 29.243	0.0065	20	-25 20 52.33	-0.003	20	0.36	29.136	16	33.6	52.28	16	33.6	F8 J	14	15037	E -2515704
15		9.0R	57 31.236	0.0034	18	-23 44 25.72	-0.043	18	0.34	31.180	16	33.6	25.01	16	33.6	G5 J	14	15039K	E -2416943
16		9.4R	57 31.858	0.0019	18	-22 34 6.16	-0.030	18	0.34	31.828	16	33.6	5.68	16	33.6	K0 M	14	15040	E -2215688
17		9.2R	57 38.010	0.0025	15	-26 30 42.69	-0.018	20	0.33	37.969	16	33.6	42.40	16	33.6	A3 J	14	15041	E -2615925
18		9.4R	57 43.669	0.0047	18	-24 29 17.35	-0.022	18	0.34	43.591	16	33.6	16.99	16	33.6	F8 J	14	15042	E -2416945
19		8.5A	57 44.260	0.0010	12	-21 3 34.36	0.008	09	0.23	44.244	16	33.6	34.49	16	33.6	K0 J	13A	9382	A -21 6145
20		7.9T	57 53.855	0.0035	14	-23 32 14.11	-0.097	13	0.73	53.674	18	98.8	9.07	19	98.1	G5	GC	30784	C -2317212
21		9.1R	57 55.668	0.0017	18	-23 36 10.51	0.019	18	0.34	55.640	16	33.6	10.82	16	33.6	K5 J	14	15044	E -2317214
22		5.4T	57 58.127	0.0013	03	-28 41 39.91	0.010	04	0.20	58.060	06	98.0	40.45	07	96.9	B8	GC	30785K	C*-2918119
23		8.5R	58 2.101	0.0007	18	-26 45 55.53	-0.057	18	0.34	2.090	16	33.6	54.60	16	33.6	K0 J	13B	14344	J -2717529
24		9.1R	58 9.709	0.0015	12	-29 7 43.08	-0.009	12	0.25	9.684	16	33.6	42.93	16	33.6	G0 J	13B	14346	J -2918121
25		9.2R	58 16.955	0.0014	17	-28 33 18.34	0.012	17	0.31	16.932	16	33.6	18.53	16	33.6	F5 J	13B	14347	J -2817549
26		9.0R	58 19.769	0.0012	18	-22 54 21.63	0.014	18	0.34	19.749	16	33.6	21.87	16	33.6	K0 J	14	15045	E -2317217
27		9.1R	58 22.507	-0.0006	20	-24 50 40.21	0.029	20	0.36	22.518	16	33.6	40.69	16	33.6	F5 J	14	15046	E -2515713
28		8.9T	58 22.746	-0.0002	20	-28 33 55.56	0.021	16	0.87	22.755	22	03.6	56.59	21	01.2	F5	GC	30793	C -2817550
29		7.9T	58 23.087	0.0011	12	-25 15 3.89	-0.048	09	0.58	23.032	18	00.3	1.44	18	98.8	K0	GC	30794	C -2515714
30		9.0R	58 36.604	-0.0004	17	-29 1 39.17	-0.048	17	0.31	36.611	16	33.6	38.39	16	33.6	F2 J	13B	14349	J -2918126
31		8.6R	58 38.474	0.0011	17	-28 7 46.94	-0.029	17	0.31	38.457	16	33.6	46.47	16	33.6	A0 J	13B	14350	J -2817554
32		9.2R	58 41.447	0.0008	18	-24 12 8.27	0.005	18	0.34	41.434	16	33.6	8.35	16	33.6	G5 J	14	15048	E -2416950
33		8.5R	58 51.373	0.0053	18	-25 6 25.03	-0.016	18	0.34	51.287	16	33.6	24.77	16	33.6	F0 J	14	15049	E -2515718
34		9.3A	58 52.280	0.0020	18	-20 58 12.39	0.034	12	0.30	52.247	16	33.6	12.94	16	33.6	F8 J	13A	9388	A -21 6150
35		8.8R	58 54.492	-0.0059	17	-28 15 42.98	-0.016	17	0.31	54.589	16	33.6	42.72	16	33.6	F8 J	13B	14352	J -2817558
36		9.1R	58 58.151	0.0105	17	-28 34 20.38	0.049	17	0.31	57.978	16	33.6	21.18	16	33.6	G0 J	13B	14353	J -2817559
37		8.6R	58 58.637	-0.0009	13	-25 42 7.75	-0.057	13	0.27	58.651	16	33.6	6.83	16	33.6	G5 J	14	15050	E -2615936
38		9.3R	59 4.335	0.0086	18	-22 46 1.19	0.027	18	0.34	4.194	16	33.6	1.64	16	33.6	F5 J	14	15051	E -2317223
39		9.0R	59 13.205	0.0012	17	-25 35 38.44	0.045	17	0.31	13.185	16	33.6	39.19	16	33.6	K0 J	14	15052	E -2515719
40		9.4R	59 15.188	0.0014	20	-27 18 33.97	0.009	20	0.36	15.166	16	33.6	34.13	16	33.6	K0 J	13B	14355	J -2715738
41		7.5R	59 24.683	0.0041	18	-23 51 29.32	-0.016	18	0.34	24.615	16	33.6	29.06	16	33.6	K0 J	14	15054	E -2416959
42		9.0R	59 25.423	-0.0037	18	-22 20 35.46	-0.037	18	0.34	25.484	16	33.6	34.85	16	33.6	F5 J	14	15055	E -2215705
43		9.1R	59 34.102	-0.0028	17	-22 51 28.59	-0.024	17	0.31	34.147	16	33.6	28.21	16	33.6	K0 M	14	15056	E -2317226
44		8.8R	59 34.461	-0.0028	12	-28 53 5.58	0.038	12	0.25	34.506	16	33.6	6.20	16	33.6	G5 J	13B	14356	J -2918136
45		9.2R	59 48.464	0.0003	20	-27 58 12.63	0.007	20	0.36	48.458	16	33.6	12.74	16	33.6	K2 J	13B	14358	J -2817568
46		7.0T	59 50.413	-0.0019	12	-27 36 31.59	-0.025	13	0.68	50.515	17	97.3	30.30	18	98.0	K0	GC	30824	C -2715743
47		9.1R	22 0 14.098	0.0074	17	-29 15 44.34	-0.076	17	0.31	13.977	16	33.6	43.10	16	33.6	G0 J	13B	14360	J -2918143
48		7.8T	0 17.921	-0.0019	10	-27 17 36.25	-0.006	09	0.52	18.019	17	97.2	35.94	17	95.6	A2	GC	30836K	C -2715748
49		9.1A	0 25.739	0.0031	20	-20 21 11.37	-0.041	15	0.33	25.688	16	33.6	10.70	16	33.6	G0 J	13A	9393	A -20 6347
50		9.1R	0 26.513	0.0025	20	-29 23 50.26	-0.053	20	0.36	26.472	16	33.6	49.40	16	33.6	K0 J	13B	14364	J -2918145
51		9.5R	22 0 27.473	0.0003	15	-23 30 17.46	0.016	15	0.29	27.469	16	33.6	17.72	16	33.6	A5 J	14	15057	E -2317235
52		9.0R	0 30.488	0.0017	18	-25 53 37.65	-0.001	18	0.34	30.460	16	33.6	37.64	16	33.6	A0 J	14	15058	E -2615946
53		9.3R	0 31.556	0.0046	20	-26 45 52.17	-0.021	15	0.33	31.481	16	33.6	51.83	16	33.6	G0 J	13B	14365	J -2715749
54		9.1R	0 40.902	0.0016	15	-21 56 38.11	-0.005	15	0.29	40.876	16	33.6	38.03	16	33.6	A5 J	14	15059	E -2215717
55		9.2R	0 42.417	-0.0017	15	-24 6 20.11	0.013	15	0.29	42.445	16	33.6	20.32	16	33.6	G5 M	14	15060	E -2416967
56		7.3T	0 46.588	-0.0004	12	-29 35 20.96	-0.001	11	0.65	46.607	15	98.7	20.90	18	95.6	A0	GC	30845	C*-2918148
57		9.2R	0 58.921	0.0020	15	-24 9 56.79	-0.025	15	0.29	58.888	16	33.6	56.38	16	33.6	G0 J	14	15062	E -2416971
58		8.5R	1 1.877	0.0086	12	-25 3 42.23	-0.030	12	0.25	1.737	16	33.6	41.74	16	33.6	G0 J	14	15063	E -2515725
59		9.2R	1 9.930	-0.0022	20	-28 52 53.55	-0.025	20	0.36	9.965	16	33.6	53.14	16	33.6	F0 J	13B	14369	J -2918150
60		7.7T	1 23.091	-0.0001	11	-22 1 22.46	0.018	08	0.54	23.094	17	98.4	23.44	15	94.9	A2	GC	30853	-22 5824
61		8.2A	1 39.730	0.0015	18	-20 39 17.06	0.024	12	0.30	39.706	16	33.6	17.45	16	33.6	A3 J	13A	9398	A -21 6154
62		7.0T	1 39.896	0.0057	14	-26 7 35.80	0.023	11	0.69	39.608	17	99.8	37.07	18	95.6	K0	GC	30860K	C*-2615959
63		9.3R	1 44.355	0.0015	18	-25 0 1.72	-0.054	18	0.34	44.331	16	33.6	0.84	16	33.6	K0 J	14	15067	E -2515730
64		5.8T	1 46.373	0.0010	05	-27 3 54.81	-0.002	05	0.24	46.327	09	05.8	54.73	10	03.2	B5	GC	30862	C -2715757
65		7.0T	1 47.772	0.0006	11	-28 40 43.33	0.003	10	0.61	47.741	18	97.1	43.50	18	94.1	K0	GC	30863	C -2918155
66		9.6R	1 49.864	-0.0025	18	-24 13 8.56	-0.033	18	0.34	49.905	16	33.6	8.02	16	33.6	F8 M	14	15068	E -2416974
67		8.5R	1 55.311	-0.0036	18	-25 21 44.80	-0.070	18	0.34	55.370	16	33.6	43.65	16	33.6	F8 J	14	15069	E -2515731
68		9.4R	1 56.936	-0.0023	18	-23 26 12.64	0.009	18	0.34	56.973	16	33.6	12.80	16	33.6	G0 J	14	15070	E -2317242
69		9.0A	2 1.441	0.0025	20	-20 56 3.33	-0.005	15	0.33	1.400	16	33.6	3.24	16	33.6	G5 J	13A	9399	A -21 6158
70		8.5R	2 1.679	-0.0038	18	-23 58 21.85	0.034	18	0.34	1.742	16	33.6	22.41	16	33.6	G0 J	14	15071	E -2416978
71		8.8R	2 4.211	0.0014	18	-22 31 51.29	-0.015	18	0.34	4.189	16	33.6	51.05	16	33.6	K5 J	14	15072	E -2215727
72		8.4T	2 6.980	0.0022	17	-22 29 16.76	0.004	18	0.87	6.872	18	01.5	16.94	21	02.3	K0	GC	30871	-22 5828
73		8.4R	2 19.894	0.0007	17	-28 25 30.89	-0.018	17	0.31	19.883	16	33.6	30.60	16	33.6	K0 J	13B	14377	J -2817587
74		9.2R	2 21.347	-0.0002	18	-24 27 13.43	-0.016	18	0.34	21.351	16	33.6	13.17	16	33.6	F5 J	14	15074	E -2416982
75		9.3R	2 23.841	-0.0021	20	-27 5 32.24	0.018	20	0.36	23.876	16	33.6	32.55	16	33.6	F0 J	13B	14379	J -2715761
76		8.6R	2 31.517	0.0002	18	-23 40 50.95	-0.112	18	0.34	31.514	16	33.6	49.12	16	33.6	G5 J	14	15075	E -2416984
77		9.0R	2 40.196	0.0027	17	-29 13 14.98	-0.042	17	0.31	40.151	16	33.6	15.67	16	33.6	G0 J	13B	14380	J -2918162
78		9.6R	2 43.636	0.0002	18	-22 1 22.17	-0.021	18	0.34	43.634	16	33.6	21.82	16	33.6	G5 M	14	15076	E -2215731
79		8.9R	2 51.437	-0.0039	18	-23 46 30.03	-0.062	18	0.34	51.501	16	33.6	29.02	16	33.6	G0 J	14	15077	E -2416990
80		9.5R	2 56.247	-0.0010	18	-23 16 14.79	-0.032	18	0.34	56.263	16	33.6	14.27	16	33.6	G5 M	14	15078	E -2317250
81		9.0R	2 59.692	0.0059	20	-29 13 46.43	0.030	20	0.36	59.595	16	33.6	46.92	16	33.6	K0 M	13B	14383	J -2918164
82		9.3R	3 0.336	-0.0006	18	-24 52 47.77	0.002	18	0.34	0.347	16	33.6	47.80	16	33.6	K0 M	14	15079	E -2515742
83		9.4R	3 7.499	0.0023	18	-23 45 20.99	-0.004	18	0.34	7.461	16	33.6	20.92	16	33.6	A0 J	14	15080	E -2416992
84		9.0R	3 16.244	0.0005	20	-26 25 1.49	0.008	20	0.36	16.235	16	33.6	1.63	16	33.6	K2 J	14	15081	E -2615972
85		8.4R	3 19.136	0.0063	17	-28 16 6.90	-0.029	17	0.31	19.033	16	33.6	6.43	16	33.6	F8 J	13B	14384	J -2817592
86		7.6T	3 21.741	0.0019	14	-29 18 53.84	0.001	10	0.62	21.651	18	01.9	53.90	18	99.3	A0	GC	30902	C -2918168
87		9.0R	3 22.059	0.0015	18	-26 12 42.84	0.009	18	0.34	22.033	16	33.6	43.00	16	33.6	K2 J	14	15082	E -2615974
88		7.7R	3 22.992	0.0033	20	-28 56 56.17	-0.001	20	0.36	22.938	16	33.6	56.15	16	33.6	K2 J	13B	14386	J -2918169
89		9.2R	3 25.410	0.0004	20	-26 2 8.51	-0.102	20	0.36	25.404	16	33.6	6.85	16	33.6	K2 M	14	15084	E -2615976
90		8.7R	3 34.232	0.0114	15	-23 20 41.85	0.018	15	0.29	34.046	16	33.6	42.15	16	33.6	G0 J	14	15085	E -2317256
91		8.7R	3 40.470	-0.0016	18	-23 19 52.01	-0.024	18	0.34	40.496	16	33.6	51.63	16	33.6	K0 J	14	15086	E -2317257
92		8.9R	3 47.852	0.0010	17	-28 59 34.76	-0.010	17	0.31	47.836	16	33.6	34.60	16	33.6	K0 J	13B	14388	J -2918173
93		9.5R	4 0.939	0.0010	18	-22 19 38.29	-0.034	18	0.34	0.924	16	33.6	37.73	16	33.6	K0 M	14	15087	E -2215738
94		8.1T	4 0.990	0.0078	17	-29 51 35.67	0.104	13	0.75	0.617	15	02.4	40.79	17	00.8	F0	GC	30920	C -3019007
95		9.2R	4 8.703	0.0047	18	-26 46 57.82	-0.004	18	0.34	8.625	16	33.6	57.77	16	33.6	G0 J	13B	14393	J -2715777
96		9.3R	4 17.092	0.0004	18	-23 52 46.92	0.015	18	0.34	17.086	16	33.6	47.16	16	33.6	K5 J	14	15088	E -2417007
97		8.6R	4 18.487	-0.0014	17	-28 17 32.90	-0.039	17	0.31	18.510	16	33.6	32.26	16	33.6	K0 J	13B	14394	J -2817600
98		6.9T	4 28.131	0.0011	07	-22 29 7.55	0.023	05	0.27	28.082	09	06.7	8.52	07	07.7	G5	GC	30927	-22 5833
99		9.4R	4 31.420	-0.0011	18	-22 19 30.66	0.006	18	0.34	31.437	16	33.6	30.76	16	33.6	F8 J	14	15090	E -2215744
00		8.1T	4 49.177	0.0006	13	-24 38 16.03	-0.049	12	0.69	49.147	18	99.2	13.42	18	96.6	K0	GC	30934	C*-2515756

190900

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	-20° 22H DM NUMBER
1		7.9T	22 4 51.117	0.0044	20	-28 18 14.14	-0.073	18	0.92	50.905	18	01.4	10.75	19	03.3	G5	GC	30936K	C*-2817604
2		7.2A	4 52.346	0.0015	20	-21 0 13.05	-0.018	15	0.33	52.321	16	33.6	12.75	16	33.6	K0 J	13A	9410	A -21 6166
3		8.9R	4 53.261	0.0014	18	-24 11 24.57	0.016	18	0.34	53.239	16	33.6	24.82	16	33.6	G5 J	14	15092	E -2417011
4		7.5R	4 53.411	-0.0013	20	-28 23 32.72	0.014	20	0.36	53.432	16	33.6	32.95	16	33.6	F0 J	13B	14400	J -2817605
5		8.0R	4 55.952	-0.0021	20	-24 45 33.53	-0.039	20	0.36	55.986	16	33.6	32.89	16	33.6	K0 J	14	15093	E -2515758
6		9.2R	4 58.755	-0.0015	20	-24 56 28.85	0.016	20	0.36	58.779	16	33.6	29.12	16	33.6	G0 J	14	15094	E -2515759
7		8.3R	5 4.464	0.0072	15	-21 50 15.66	-0.049	15	0.29	4.347	16	33.6	14.85	16	33.6	F5 J	14	15095	E -2215747
8		8.8R	5 5.004	-0.0002	20	-29 43 51.50	-0.057	20	0.36	5.007	16	33.6	50.57	16	33.6	K2 J	13B	14401	J -3019018
9		9.0R	5 11.353	0.0003	18	-23 45 50.72	-0.013	18	0.34	11.349	16	33.6	50.51	16	33.6	G5 J	14	15096	E -2417014
10		8.5R	5 13.507	0.0007	18	-22 51 33.12	-0.045	18	0.34	13.496	16	33.6	32.39	16	33.6	K0 J	14	15097	E -2317267
11		8.5R	5 27.106	-0.0012	18	-23 58 39.03	0.008	18	0.34	27.125	16	33.6	39.15	16	33.6	G5 J	14	15098	E -2417016
12		9.1R	5 55.463	-0.0008	18	-21 56 4.09	0.001	18	0.34	55.476	16	33.6	4.10	16	33.6	K2 J	14	15100	E -2215756
13		7.1T	5 56.547	0.0023	14	-26 0 54.87	-0.031	09	0.64	56.429	17	99.2	53.24	17	96.6	A2	GC	30967	C -2615998
14		9.2R	6 0.458	-0.0031	18	-24 33 33.06	0.006	18	0.34	0.508	16	33.6	33.16	16	33.6	F5 J	14	15101	E -2417020
15		9.2R	6 6.128	-0.0002	18	-26 40 44.87	-0.019	18	0.34	6.131	16	33.6	44.57	16	33.6	F8 J	14	15102	E -2715788
16		9.0R	6 7.623	0.0018	18	-27 26 28.22	-0.027	18	0.34	7.593	16	33.6	27.79	16	33.6	K2 J	13B	14405	J -2715789
17		9.3R	6 9.377	0.0057	20	-25 35 3.51	-0.027	20	0.36	9.284	16	33.6	3.08	16	33.6	G0 J	14	15103	E -2515768
18		8.8R	6 10.228	0.0016	18	-26 55 18.23	-0.027	18	0.34	10.202	16	33.6	17.80	16	33.6	G5 J	13B	14406	J -2715790
19		9.2R	6 14.107	0.0020	18	-22 57 3.88	-0.027	18	0.34	14.074	16	33.6	3.45	16	33.6	K0 J	14	15104	E -2317272
20		9.2R	6 29.151	-0.0024	20	-28 43 26.52	-0.064	20	0.36	29.190	16	33.6	25.47	16	33.6	G5 J	13B	14408	J -2918197
21		9.3R	6 29.427	-0.0009	17	-29 28 52.48	-0.013	17	0.31	29.442	16	33.6	52.27	16	33.6	F2 J	13B	14407	J -2918196
22		6.5T	6 41.268	0.0033	10	-23 54 17.81	0.013	11	0.60	41.109	15	96.4	18.51	18	95.3	G5	GC	30986	C*-2417029
23		9.3R	6 45.777	-0.0057	18	-23 7 31.02	-0.013	18	0.34	45.870	16	33.6	31.24	16	33.6	G0 J	14	15106	E -2317275
24		9.4R	6 49.818	0.0021	20	-26 50 33.62	-0.029	20	0.36	49.784	16	33.6	33.15	16	33.6	G5 J	13B	14409	J -2715796
25		9.2R	6 50.596	-0.0067	18	-24 29 38.67	-0.049	18	0.34	50.707	16	33.6	37.87	16	33.6	G5 J	14	15107	E -2417033
26		9.0A	6 56.524	0.0049	20	-20 8 5.46	-0.002	15	0.33	56.443	16	33.6	5.43	16	33.6	G0 J	13A	9422	A -20 6367
27		9.3R	7 0.979	0.0037	20	-25 28 6.87	-0.143	20	0.36	0.919	16	33.6	4.53	16	33.6	G0 J	14	15108	E -2515775
28		9.2R	7 4.478	0.0062	15	-25 28 16.10	-0.120	15	0.29	4.343	16	33.6	14.14	16	33.6	G0 J	14	15109	E -2515776
29		8.9R	7 5.231	0.0054	18	-23 16 33.81	0.061	18	0.34	5.144	16	33.6	34.81	16	33.6	G0 J	14	15110	E -2317279
30		6.5T	7 9.357	0.0025	07	-28 32 20.33	0.029	07	0.33	9.246	12	05.4	21.69	14	03.3	A3	GC	31001	C -2817622
31		8.8A	7 12.047	0.0013	20	-20 8 57.41	-0.004	15	0.33	12.026	16	33.6	57.35	16	33.6	F0 J	13A	9423	A -20 6369
32		9.6R	7 18.198	-0.0022	18	-22 19 22.08	-0.032	18	0.34	18.235	16	33.6	21.55	16	33.6	G0 M	14	15111	E -2215767
33		8.5R	7 18.490	-0.0050	12	-27 55 7.86	-0.123	12	0.25	18.571	16	33.6	5.85	16	33.6	G5 J	13B	14413	J -2817624
34		9.2R	7 20.830	0.0024	15	-25 18 18.15	-0.002	15	0.29	20.791	16	33.6	18.12	16	33.6	K2 J	14	15112	E -2515778
35		9.1R	7 28.831	-0.0006	18	-22 22 36.00	0.011	18	0.34	28.840	16	33.6	36.18	16	33.6	K0 J	14	15113	E -2215771
36		9.3R	7 30.407	-0.0009	12	-28 30 18.52	0.002	12	0.25	30.422	16	33.6	18.55	16	33.6	K0 J	13B	14416	J -2817627
37		8.8A	7 30.801	-0.0002	20	-20 16 1.05	-0.032	15	0.33	30.804	16	33.6	0.53	16	33.6	G5 J	13A	9426	A -20 6370
38		8.8A	7 32.438	-0.0010	13	-21 14 22.62	-0.062	11	0.25	32.454	16	33.6	21.60	16	33.6	K0 J	13A	9427	A -21 6170
39		9.2R	7 48.446	-0.0009	18	-25 48 6.66	-0.008	18	0.34	48.460	16	33.6	6.54	16	33.6	K2 J	14	15115	E -2616012
40		9.2R	7 52.432	-0.0013	18	-24 16 20.78	0.009	18	0.34	52.454	16	33.6	20.92	16	33.6	A0 J	14	15116	E -2417042
41		9.4A	7 57.798	0.0041	20	-20 55 9.51	-0.016	15	0.33	57.731	16	33.6	9.23	16	33.6	F8 J	13A	9428	A -21 6171
42		9.0A	8 2.589	-0.0024	20	-20 24 26.49	0.010	15	0.33	2.629	16	33.6	26.66	16	33.6	G0 J	13A	9429	A -20 6371
43		7.9R	8 6.756	0.0029	12	-24 57 38.04	-0.056	12	0.25	6.709	16	33.6	37.13	16	33.6	K0 J	14	15117	E -2515788
44		9.0R	8 12.814	0.0019	18	-26 5 15.16	0.004	18	0.34	12.783	16	33.6	15.24	16	33.6	K2 J	14	15118	E -2616016
45		6.1T	8 16.102	0.0087	05	-21 28 44.00	-0.030	05	0.23	15.709	09	04.8	42.57	09	03.0	F5	GC	31029	B*-21 6173
46		8.0R	8 22.451	-0.0014	18	-25 37 0.40	-0.005	18	0.34	22.474	16	33.6	0.32	16	33.6	A5 J	14	15119	E -2515791
47		9.2R	8 23.285	0.0047	18	-24 22 18.28	-0.004	18	0.34	23.208	16	33.6	18.21	16	33.6	K0 J	14	15120	E -2417045
48		8.6R	8 24.533	0.0007	18	-26 42 40.64	-0.032	18	0.34	24.521	16	33.6	40.62	16	33.6	K0 J	14	15122	E -2317292
49		9.4R	8 26.735	-0.0007	20	-26 37 33.14	-0.036	20	0.36	26.746	16	33.6	32.56	16	33.6	K2 J	14	15121	E -2616018
50		9.3R	8 27.536	0.0032	17	-28 43 50.93	-0.032	17	0.31	27.484	16	33.6	50.40	16	33.6	G5 J	13B	14420	J -2918212
51		9.2R	22 8 35.552	-0.0011	18	-25 10 35.69	-0.028	18	0.34	35.570	16	33.6	35.23	16	33.6	F5 J	14	15123	E -2515795
52		8.4R	8 35.993	0.0004	18	-22 27 20.40	-0.022	18	0.34	35.986	16	33.6	20.04	16	33.6	G5 J	14	15124	E -2215781
53		7.0T	8 37.383	0.0003	09	-27 23 56.31	-0.033	08	0.51	37.363	17	93.2	54.40	17	91.7	K0	GC	31035	C -2715811
54		9.5R	8 38.317	0.0043	21	-22 28 4.58	0.046	21	0.38	38.248	16	33.6	5.33	16	33.6	K	M 14	15125	E -2215782
55		8.7R	8 58.883	0.0051	12	-29 46 32.29	-0.022	12	0.25	58.800	16	33.6	31.93	16	33.6	F2 J	13B	14425	J -3019054
56		9.1R	8 59.689	0.0032	12	-29 12 10.18	0.009	12	0.25	59.637	16	33.6	10.33	16	33.6	K2 J	13B	14426	J -2918217
57		9.0A	8 59.949	0.0008	15	-21 37 14.78	0.015	11	0.26	59.935	16	33.6	15.02	16	33.6	G5 J	13A	9434	A -22 5852
58		9.2R	9 2.181	0.0022	18	-26 40 21.12	-0.053	18	0.34	2.145	16	33.6	20.26	16	33.6	G5 J	14	15126	E -2715814
59		9.4R	9 25.967	0.0054	12	-25 28 5.41	-0.002	12	0.25	25.879	16	33.6	5.38	16	33.6	F2 J	14	15127	E -2515800
60		9.5R	9 29.249	0.0024	18	-24 1 29.07	-0.016	18	0.34	29.210	16	33.6	28.81	16	33.6	A3 J	14	15128	E -2417055
61		7.4T	9 47.474	-0.0002	09	-27 19 56.32	-0.012	09	0.53	47.483	17	94.3	55.64	17	91.5	K0	GC	31063	C*-2715821
62		9.2A	9 59.185	0.0047	20	-20 21 17.82	0.079	15	0.33	59.107	16	33.6	19.12	16	33.6	G0 J	13A	9438K	A -20 6379
63		8.0A	10 1.260	-0.0032	18	-21 8 13.60	-0.030	12	0.30	1.312	16	33.6	13.11	16	33.6	F5 J	13A	9440	A -21 6175
64		9.0R	10 1.616	0.0057	18	-21 44 59.05	0.034	18	0.34	1.522	16	33.6	59.60	16	33.6	G0 J	14	15129	E -2215790
65		9.3R	10 6.838	0.0005	18	-26 9 49.07	-0.034	18	0.34	6.829	16	33.6	48.52	16	33.6	F5 J	14	15130	E -2616032
66		8.7R	10 7.574	-0.0100	18	-21 43 52.47	-0.054	18	0.34	7.738	16	33.6	51.58	16	33.6	G5 J	14	15132	E -2215793
67		6.2T	10 8.668	-0.0014	08	-26 34 31.04	-0.029	07	0.33	8.726	09	06.8	29.87	09	09.2	A2	GC	31075	C -2616033
68		8.7R	10 15.595	0.0010	12	-29 47 9.19	-0.022	12	0.25	15.579	16	33.6	8.83	16	33.6	K2 J	13B	14429	J -3019062
69		7.7R	10 16.012	0.0050	18	-26 44 38.46	-0.061	18	0.34	15.930	16	33.6	37.47	16	33.6	K0 J	14	15133	E -2715823
70		8.6R	10 19.244	-0.0019	12	-28 32 9.73	-0.018	12	0.25	19.274	16	33.6	9.44	16	33.6	K0 J	13B	14430	J -2817646
71		8.0R	10 23.596	-0.0001	18	-21 39 13.59	0.006	18	0.34	23.598	16	33.6	13.72	16	33.6	A0 J	14	15134	E -2215796
72		9.2R	10 28.059	0.0001	15	-22 48 24.84	0.019	15	0.29	28.057	16	33.6	25.16	16	33.6	K0 M	14	15135	E -2317311
73		9.4R	10 38.332	-0.0019	18	-22 58 51.48	-0.009	18	0.34	38.363	16	33.6	51.34	16	33.6	K0 M	14	15136	E -2317313
74		9.4R	10 47.934	0.0017	18	-23 4 34.13	-0.026	18	0.34	47.906	16	33.6	33.71	16	33.6	K2 M	14	15137	E -2317315
75		8.5R	10 49.871	0.0030	17	-27 42 24.17	-0.072	17	0.31	49.821	16	33.6	22.99	16	33.6	F5 J	13B	14431	J -2817648
76		5.6T	10 56.090	0.0055	04	-25 25 45.50	0.019	04	0.19	55.859	07	08.0	46.32	09	07.1	F8	GC	31088	C -2515815
77		8.7R	10 58.391	-0.0004	17	-28 54 58.38	-0.033	17	0.31	58.398	16	33.6	57.84	16	33.6	K0 J	13B	14433	J -2918238
78		9.4R	10 58.498	0.0015	18	-23 24 40.49	-0.040	18	0.34	58.473	16	33.6	39.84	16	33.6	G5 J	14	15139	E -2317317
79		8.6R	11 6.441	-0.0009	18	-23 55 33.90	-0.060	18	0.34	6.456	16	33.6	32.92	16	33.6	F5 J	14	15140	E -2417072
80		8.5R	11 6.474	-0.0058	18	-22 30 42.00	-0.064	18	0.34	6.569	16	33.6	40.96	16	33.6	G5 J	14	15141	E -2215804
81		7.7R	11 13.951	0.0005	12	-24 52 23.49	0.021	12	0.25	13.944	16	33.6	23.84	16	33.6	K0 J	14	15142	E -2515816
82		9.0R	11 16.571	0.0006	12	-24 10 20.23	-0.060	12	0.25	16.561	16	33.6	19.25	16	33.6	K2 J	14	15143	E -2417074
83		7.6R	11 20.914	0.0018	18	-21 39 34.52	0.031	18	0.34	20.884	16	33.6	35.03	16	33.6	A0 J	14	15144	E -2215806
84		9.4R	11 24.550	0.0012	18	-22 54 4.91	0.027	18	0.34	24.530	16	33.6	5.36	16	33.6	F5 J	14	15145	E -2317320
85		5.4H	11 28.964	0.0021	02	-26 0 56.11	0.002	03	0.10	28.899	05	18.7	56.16	05	17.4	B9	F4	838	C -2817653
86		5.5T	11 32.452	0.0011	05	-21 19 25.50	0.069	05	0.32	32.390	12	93.3	29.41	12	93.0	G5	GC	31099K	B*-21 6180
87		8.4R	11 34.255	-0.0002	20	-29 21 5.58	0.012	20	0.36	34.258	16	33.6	5.78	16	33.6	K2 J	13B	14439	J -2918244
88		9.3A	11 42.386	-0.0016	18	-21 27 6.25	-0.010	15	0.31	42.412	16	33.6	6.08	16	33.6	F8 J	13A	9448	A -21 6181
89		8.9A	11 42.916	-0.0015	20	-21 16 51.77	0.017	15	0.33	42.941	16	33.6	52.05	16	33.6	F5 J	13A	9449	A -21 6182
90		8.6R	11 43.285	-0.0019	21	-29 38 55.30	-0.001	21	0.38	43.317	16	33.6	55.28	16	33.6	K0 J	13B	14440	J -3019073
91		9.0A	11 43.782	-0.0005	20	-21 11 32.92	0.021	15	0.33	43.790	16	33.6	33.26	16	33.6	F8 J	13A	9450	A -21 6183
92		8.5R	11 51.029	0.0029	17	-29 7 17.46	-0.014	17	0.31	50.982	16	33.6	17.23	16	33.6	A5 J	13B	14442	J -2918248
93		9.2R	11 51.952	0.0012	20	-29 9 3.17	-0.006	20	0.36	51.932	16	33.6	3.07	16	33.6	G M	13B	14443	J -2918249
94		9.0R	11 54.355	0.0027	20	-27 57 14.97	0.076	20	0.36	54.310	16	33.6	16.22	16	33.6	K0 J	13B	14445	J -2817656
95		6.8T	11 59.673	0.0091	12	-24 15 11.74	-0.001	10	0.64	59.183	17	96.4	11.67	17	93.2	F5	GC	31112	C*-2417081
96		8.5R	12 8.989	-0.0001	18	-25 51 53.27	-0.013	18	0.34	8.990	16	33.6	53.07	16	33.6	M1 M	14	15147	E -2616042
97		7.6R	12 19.460	0.0005	18	-25 53 49.53	-0.022	18	0.34	19.451	16	33.6	49.18	16	33.6	K5 J	14	15148	E -2616043
98		8.7A	12 20.268	0.0023	20	-20 8 39.49	0.012	15	0.33	20.231	16	33.6	39.69	16	33.6	K0 J	13A	9456	A -20 6392
99		7.9T	12 22.454	0.0000	12	-26 12 58.48	0.008	10	0.57	22.453	18	00.0	58.91	18	98.7	F5	GC	31119	C -2616044
00		9.3R	12 27.102	0.0017	18	-23 5 26.23	-0.026	18	0.34	27.075	16	33.6	25.81	16	33.6	F8 J	14	15151	E -2317325

191000 — -20° 22H

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	DM NUMBER
1		8.5R	22 12 31.047	0.0013	15	-25 14 21.78	-0.061	15	0.29	31.026	16	33.6	20.78	16	33.6	F2 J	14	15152	E -2515825
2		9.3R	12 32.499	0.0015	12	-25 28 37.16	0.036	12	0.25	32.474	16	33.6	37.75	16	33.6	K0 J	14	15153	E -2515826
3		8.4R	12 46.872	-0.0011	12	-25 29 53.39	0.005	12	0.25	46.891	16	33.6	53.47	16	33.6	K0 J	14	15154	E -2515830
4		8.6R	12 51.724	-0.0018	18	-24 49 57.41	-0.002	18	0.34	51.754	16	33.6	57.38	16	33.6	B8 J	14	15155	E -2515831
5		8.5A	12 55.116	0.0006	20	-21 31 33.41	0.017	15	0.33	55.105	16	33.6	33.69	16	33.6	K0 J	13A	9459	A -21 6186
6		9.0R	13 1.029	-0.0010	12	-28 12 58.84	0.022	12	0.25	1.045	16	33.6	59.20	16	33.6	G5 J	13B	14446	J -2817665
7		8.5R	13 14.434	0.0009	15	-25 37 34.01	0.015	15	0.29	14.419	16	33.6	34.27	16	33.6	K0 J	14	15157	E -2515835
8		8.9A	13 16.241	-0.0014	15	-21 32 40.40	0.012	11	0.26	16.265	16	33.6	40.59	16	33.6	K0 J	13A	9461	A -22 5871
9		7.2T	13 20.729	0.0014	12	-23 15 33.76	0.012	12	0.64	20.659	15	98.9	34.42	18	96.7	A3		GC	31137	C*-2317334
10		9.2R	13 22.918	0.0014	18	-26 30 31.73	-0.011	18	0.34	22.894	16	33.6	31.55	16	33.6	K0 J	14	15159	E -2616051
11		8.9A	13 23.684	-0.0011	20	-21 22 16.56	0.003	15	0.33	23.702	16	33.6	16.61	16	33.6	K5 J	13A	9462	A -21 6188
12		8.8A	13 26.709	0.0035	20	-20 13 33.73	-0.104	15	0.33	26.652	16	33.6	32.03	16	33.6	G0 J	13A	9463	A -20 6396
13		8.6A	13 33.364	0.0061	20	-20 16 17.02	-0.022	15	0.33	33.264	16	33.6	16.66	16	33.6	F8 J	13A	9465	A -20 6397
14		8.6R	13 37.720	0.0015	12	-29 49 52.97	-0.005	12	0.25	37.695	16	33.6	52.89	16	33.6	K2 J	13B	14450	J -3019081
15		9.1R	13 42.022	-0.0006	12	-29 35 25.87	-0.032	12	0.25	42.032	16	33.6	25.35	16	33.6	A3 J	13B	14451	J -2918270
16		6.3T	13 49.135	0.0028	05	-26 8 52.70	-0.014	05	0.26	49.008	10	04.8	52.03	10	00.6	K0		GC	31144	C -2616057
17		8.8R	13 58.373	0.0002	18	-26 43 1.70	-0.014	18	0.34	58.370	16	33.6	1.47	16	33.6	K0 J	14	15161	E -2715844
18		8.9R	14 4.383	0.0024	12	-29 34 15.60	-0.024	12	0.25	4.344	16	33.6	15.21	16	33.6	K2 J	13B	14454	J -2918274
19		8.2A	14 10.049	0.0072	20	-20 16 29.17	-0.056	15	0.33	9.932	16	33.6	28.26	16	33.6	A2 J	13A	9467	A -20 6401
20		9.2R	14 10.081	-0.0002	20	-29 2 6.74	0.008	20	0.36	10.084	16	33.6	6.87	16	33.6	G0 J	13B	14456	J -2918275
21		6.4T	14 13.129	0.0061	13	-23 23 21.73	-0.052	11	0.66	12.813	17	98.0	18.85	15	94.3	G5		GC	31154	C -2317344
22		7.1T	14 28.317	0.0060	13	-27 38 20.48	-0.058	12	0.64	28.025	17	01.1	17.63	15	00.6	K0		GC	31162	C*-2817678
23		9.4R	14 28.423	-0.0026	18	-23 37 32.56	-0.013	18	0.34	28.466	16	33.6	32.35	16	33.6	F8 J	14	15163	E -2317345
24		9.2R	14 35.298	0.0072	18	-25 58 37.38	-0.059	18	0.34	35.180	16	33.6	36.42	16	33.6	G0 J	14	15164	E -2616066
25		8.8R	14 40.382	0.0043	18	-26 28 53.72	-0.057	18	0.34	40.311	16	33.6	52.80	16	33.6	F5 J	14	15165	E -2616067
26		7.6T	14 44.968	0.0005	17	-23 21 52.81	0.005	12	0.77	44.945	22	02.2	53.09	21	97.7	K0		GC	31170	C -2317351
27		8.9T	14 45.139	0.0184	17	-23 57 31.38	0.115	18	0.85	44.270	19	02.9	36.72	21	03.5	G5		GC	31172K	C*-2417099
28		8.9A	14 50.801	-0.0005	12	-20 43 11.76	0.009	11	0.24	50.809	16	33.6	11.90	16	33.6	K2 J	13A	9469	A -21 6190
29		9.1R	14 58.649	0.0010	12	-29 5 41.00	0.026	12	0.25	58.632	16	33.6	41.43	16	33.6	F8 J	13B	14459	J -2918281
30		8.5I	15 9.869	0.0008	26	-29 51 17.34	-0.022	26	1.13	9.833	22	06.0	16.39	21	06.8	M3E	GC	31185V	C*-3019092
31		9.0Q	15 14.957	0.0128	17	-20 44 53.32	-0.160	16	0.72	14.429	18	08.8	46.38	18	06.7	G0		GC	31187	-21 6191
32		9.4R	15 20.052	0.0027	12	-29 34 58.40	-0.018	12	0.25	20.008	16	33.6	58.11	16	33.6	F8 J	13B	14462	J -2918284
33		7.6T	15 25.640	0.0042	13	-22 32 55.63	0.032	12	0.67	25.430	17	99.7	57.35	18	96.9	A3	GC	31189	C -23 456
34		8.8R	15 28.840	-0.0016	18	-21 40 38.92	0.052	18	0.34	28.866	16	33.6	39.77	16	33.6	G0 J	14	15169	E -2215836
35		9.6R	15 33.342	-0.0048	18	-25 56 27.36	0.000	18	0.34	33.421	16	33.6	27.37	16	33.6	F8 J	14	15170	E -2616073
36		8.5R	15 35.404	-0.0001	12	-27 32 43.01	-0.017	12	0.25	35.405	16	33.6	42.73	16	33.6	K5 J	13B	14463	J -2715850
37		9.1R	15 39.491	-0.0009	12	-29 10 10.47	-0.048	12	0.25	39.506	16	33.6	9.69	16	33.6	K0 J	13B	14464	J -2918286
38		8.8A	15 41.809	0.0040	20	-21 15 12.78	-0.039	15	0.33	41.744	16	33.6	12.14	16	33.6	F8 J	13A	9473	A -21 6193
39		7.2T	15 42.388	0.0042	17	-23 34 53.08	-0.048	13	0.78	42.180	17	01.1	50.61	19	98.8	F5	GC	31196	C -2317361
40		8.3R	15 45.176	-0.0005	12	-28 22 6.05	-0.019	12	0.25	45.184	16	33.6	5.74	16	33.6	K0 J	13B	14466	J -2817686
41		8.8A	15 47.542	0.0009	20	-20 44 44.74	-0.000	15	0.33	47.527	16	33.6	44.74	16	33.6	K5 J	13A	9474	A -21 6196
42		8.7A	15 49.083	0.0019	20	-20 30 55.45	0.036	15	0.33	49.052	16	33.6	56.04	16	33.6	A3 J	13A	9475	A -20 6405
43		7.5A	15 49.434	-0.0012	20	-20 59 26.18	-0.038	15	0.33	49.453	16	33.6	25.55	16	33.6	K5 J	13A	9476	A -21 6197
44		9.1A	15 52.581	-0.0024	20	-20 48 11.58	-0.031	15	0.33	52.620	16	33.6	11.07	16	33.6	F0 J	13A	9477	A -21 6198
45		9.1R	15 54.461	0.0015	17	-29 33 8.10	0.032	17	0.31	54.437	16	33.6	8.62	16	33.6	G5 J	13B	14470	J -2918287
46		9.5R	15 56.252	-0.0025	18	-23 19 11.30	0.017	18	0.34	56.294	16	33.6	11.58	16	33.6	F8 J	14	15172	E -2317362
47		8.3A	16 4.064	0.0001	20	-20 28 53.01	0.007	15	0.33	4.062	16	33.6	53.13	16	33.6	K0 J	13A	9478	A -20 6406
48		9.2R	16 9.219	0.0004	18	-27 0 56.30	-0.025	18	0.34	9.212	16	33.6	55.90	16	33.6	F8 J	13B	14472	J -2715853
49		9.0R	16 11.427	0.0053	18	-22 29 44.59	-0.030	18	0.34	11.341	16	33.6	45.08	16	33.6	F8 J	14	15173	E -2215839
50		9.3R	16 11.910	-0.0040	15	-23 20 51.23	-0.009	15	0.29	11.976	16	33.6	51.09	16	33.6	K0 J	14	15174	E -2317364
51		8.3R	22 16 12.669	-0.0020	18	-23 2 45.62	-0.017	18	0.34	12.702	16	33.6	45.35	16	33.6	K0 J	14	15175	E -2317365
52		9.1R	16 16.537	0.0023	18	-23 9 53.09	-0.014	18	0.34	16.499	16	33.6	52.87	16	33.6	A5 J	14	15176	E -2317367
53		6.8T	16 30.694	0.0019	11	-28 27 34.80	0.014	11	0.62	30.596	17	97.2	35.58	17	95.5	K5	GC	31203	C -2817694
54		9.5R	16 36.357	-0.0017	12	-22 44 4.73	0.016	12	0.25	36.386	16	33.6	5.00	16	33.6	K5 M	14	15177	E -2317371
55		9.5R	16 36.502	0.0063	12	-28 50 13.16	0.009	12	0.25	36.399	16	33.6	13.31	16	33.6	G0 J	13B	14475	J -2918293
56		8.4T	16 40.836	0.0024	10	-24 3 12.74	0.021	11	0.61	40.701	19	94.7	13.86	21	96.3	G0	GC	31207	C -2417113
57		9.3R	16 42.827	0.0034	18	-24 6 48.58	-0.005	18	0.34	42.771	16	33.6	48.50	16	33.6	G0 J	14	15179	E -2417114
58		9.1R	16 43.919	-0.0036	12	-28 25 24.74	0.003	12	0.25	43.977	16	33.6	24.79	16	33.6	F8 J	13B	14476	J -2817697
59		9.0R	16 53.630	0.0012	15	-24 53 26.93	-0.020	15	0.29	53.611	16	33.6	26.60	16	33.6	K2 J	14	15180	E -2515869
60		7.8R	16 59.394	-0.0045	12	-27 38 24.96	0.008	12	0.25	59.467	16	33.6	25.10	16	33.6	K0 J	13B	14477	J -2817700
61		8.7R	17 4.906	0.0029	18	-24 20 24.50	0.020	18	0.34	4.858	16	33.6	24.83	16	33.6	K0 J	14	15181	E -2417120
62		8.6A	17 11.716	0.0001	20	-21 34 7.16	0.003	15	0.33	11.715	16	33.6	7.21	16	33.6	K0 J	13A	9479	A -22 5887
63		9.0R	17 13.298	0.0016	12	-29 23 58.18	0.000	12	0.25	13.272	16	33.6	58.18	16	33.6	K0 J	13B	14478	J -2918295
64		7.7R	17 15.325	0.0030	15	-22 16 11.71	-0.035	15	0.29	15.276	16	33.6	11.14	16	33.6	G5 J	14	15182	E -2215849
65		9.3R	17 20.053	0.0007	18	-26 29 36.70	0.007	18	0.34	20.041	16	33.6	36.82	16	33.6	K0 J	14	15183	E -2616086
66	10.3	9.1W	17 30.208	0.0001	21	-29 58 18.69	0.014	21	0.42	30.205	22	32.8	18.93	21	32.8	K5	C7	12133	C -3019102
67		9.3R	17 33.016	0.0020	18	-23 13 16.98	-0.024	18	0.34	32.983	16	33.6	16.60	16	33.6	K0 J	14	15184	E -2317375
68		8.9R	17 36.901	0.0025	12	-29 32 39.78	0.035	12	0.25	36.860	16	33.6	40.35	16	33.6	F5 J	13B	14481	J -2918301
69		9.2R	17 40.632	-0.0047	20	-26 34 41.89	-0.070	20	0.36	40.709	16	33.6	40.75	16	33.6	G0 J	14	15185	E -2616091
70		9.2R	17 48.147	-0.0011	18	-22 52 9.92	-0.004	18	0.34	48.165	16	33.6	9.87	16	33.6	K5 J	14	15186	E -2317376
71		9.0R	17 52.043	0.0004	12	-28 29 1.91	-0.052	12	0.25	52.037	16	33.6	1.06	16	33.6	G0 J	13B	14484	J -2817706
72		9.1R	17 53.930	0.0029	20	-28 10 21.42	-0.001	20	0.36	53.881	16	33.6	21.41	16	33.6	K2 J	13B	14485	J -2817707
73		8.6R	17 59.853	-0.0045	18	-25 22 2.15	0.019	18	0.34	59.927	16	33.6	2.46	16	33.6	G0 J	14	15187	E -2515875
74		8.5R	18 5.347	-0.0026	18	-22 57 57.86	-0.027	18	0.34	5.390	16	33.6	57.43	16	33.6	F8 J	14	15188	E -2317380
75		8.9A	18 7.000	0.0017	20	-20 11 9.93	0.015	15	0.33	6.972	16	33.6	10.18	16	33.6	G0 J	13A	9483	A -20 6409
76		9.5R	18 9.406	-0.0006	18	-22 46 7.14	-0.007	18	0.34	9.416	16	33.6	7.03	16	33.6	K0 M	14	15189	E -2317383
77		9.4R	18 12.381	-0.0043	20	-25 49 40.03	-0.064	20	0.36	12.451	16	33.6	38.99	16	33.6	G0 J	14	15190	E -2616096
78		9.0R	18 21.670	0.0008	18	-22 43 57.59	-0.024	18	0.34	21.657	16	33.6	57.21	16	33.6	F5 J	14	15191K	E -2317385
79		8.8R	18 24.211	0.0022	18	-21 53 7.73	0.006	18	0.34	24.176	16	33.6	7.83	16	33.6	K0 J	14	15192	E -2215861
80		9.0R	18 27.298	0.0038	20	-25 22 58.22	0.004	20	0.36	27.236	16	33.6	58.29	16	33.6	F8 J	14	15193	E -2515878
81		9.2R	18 27.446	0.0036	17	-23 58 3.85	-0.089	17	0.31	27.387	16	33.6	2.39	16	33.6	G5 J	14	15194	E -2417130
82		8.0R	18 48.552	0.0017	17	-29 1 30.74	-0.008	17	0.31	48.524	16	33.6	30.61	16	33.6	B9 J	13B	14488	J -2918313
83		5.4H	18 50.606	-0.0006	02	-21 50 58.35	-0.082	02	0.07	50.626	03	16.4	55.50	04	15.4	K0	F4	1584	-22 5897
84		9.0R	18 51.739	-0.0012	18	-23 4 26.27	-0.006	18	0.34	51.758	16	33.6	26.18	16	33.6	K0 J	14	15196	E -2317387
85		8.8A	18 57.739	0.0012	20	-21 2 11.54	0.007	15	0.33	57.719	16	33.6	11.65	16	33.6	K0 J	13A	9487	A -21 6206
86		9.3R	19 7.927	-0.0023	18	-23 32 59.71	-0.016	18	0.34	7.964	16	33.6	59.45	16	33.6	G5 J	14	15198	E -2317390
87		7.7T	19 7.931	0.0013	11	-25 37 3.48	0.018	12	0.65	7.862	15	98.3	4.45	18	97.4	K0	GC	31259	C -2515887
88		8.3A	19 12.829	-0.0003	15	-21 4 51.86	-0.006	11	0.26	12.833	16	33.6	51.76	16	33.6	K0 J	13A	9488	A -21 6207
89		9.1R	19 14.084	-0.0022	20	-28 33 27.63	-0.001	20	0.36	14.120	16	33.6	27.61	16	33.6	G0 J	13B	14492	J -2817720
90	9.8	9.8W	19 14.857	0.0018	21	-29 51 7.59	0.043	21	0.42	14.825	22	32.8	8.33	21	32.8	A0	C7	12147	C -3019117
91		8.2A	19 38.062	0.0043	20	-20 25 27.17	0.002	15	0.33	37.991	16	33.6	27.21	16	33.6	K0 J	13A	9490	A -20 6413
92		8.8R	19 45.689	-0.0003	00	-27 40 24.95	-0.076	20	0.28	45.694	16	33.6	23.71	16	33.6	F8 J	13B	14494	J -2817727
93		9.0R	19 54.001	0.0004	18	-25 57 59.35	0.020	18	0.34	53.995	16	33.6	59.69	16	33.6	A0 J	14	15199	E -2616106
94		9.0R	19 54.232	-0.0030	18	-24 56 42.55	0.021	18	0.34	54.281	16	33.6	42.90	16	33.6	F8 J	14	15200	E -2515896
95	8.8	8.3W	19 55.896	0.0355	21	-29 52 13.90	-0.056	21	0.42	55.285	22	32.8	12.93	21	32.8	G5	C7	12153	C -3019122
96		9.2R	19 58.839	0.0032	18	-22 25 36.69	-0.124	18	0.34	58.786	16	33.6	34.65	16	33.6	G0 J	14	15201	E -2215864
97		9.0R	20 2.492	0.0010	17	-27 50 15.04	-0.019	17	0.31	2.475	16	33.6	14.73	16	33.6	G0 J	13B	14498	J -2817729
98		9.6R	20 4.140	-0.0039	15	-23 16 23.84	-0.029	15	0.29	4.204	16	33.6	23.37	16	33.6	A2 J	14	15202	E -2317399
99		8.5R	20 5.954	0.0053	12	-27 48 21.49	-0.013	12	0.25	5.867	16	33.6	21.28	16	33.6	F2 J	13B	14499	J -2817730
00		9.5R	20 19.655	-0.0045	18	-23 11 29.23	-0.003	18	0.34	19.729	16	33.6	29.19	16	33.6	G5 J	14	15203	E -2317456

191100

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.		SOURCE CAT.	STAR NUMBER	-20° 22H DM NUMBER
1		7.6T	22 20 25.829	0.0289	09	-26 5 40.58	-0.113	09	0.52	24.287	14	96.7	34.50	14	96.0	G0		GC	31266	C -2616119
2		9.2R	20 27.643	0.0023	18	-22 18 35.64	-0.022	18	0.34	27.605	16	33.6	35.28	16	33.6	M5	M	14	15205	E -2215868
3		8.3R	20 42.188	-0.0000	12	-28 8 23.17	-0.011	12	0.25	42.188	16	33.6	22.99	16	33.6	K0	J	13B	14501	J -2817735
4	10.0	9.1W	20 42.990	0.0014	21	-29 56 50.63	-0.023	21	0.42	42.965	22	32.8	50.23	21	32.8	K0		C7	12156	C -3019128
5		5.6T	20 43.881	0.0076	04	-25 0 57.72	0.003	04	0.18	43.584	07	11.0	57.85	09	07.1	K0		GC	31291	C*-2515905
6		8.7A	20 46.229	0.0009	15	-20 34 0.38	-0.005	11	0.26	46.214	16	33.6	0.29	16	33.6	M2	J	13A	9492	A -21 6213
7		9.2R	20 47.772	-0.0006	18	-22 59 43.96	-0.014	18	0.34	47.782	16	33.6	43.74	16	33.6	G5	J	14	15207	E -2317410
8		9.1R	21 0.706	0.0025	12	-28 3 16.70	0.015	12	0.25	0.665	16	33.6	16.95	16	33.6	K0	J	13B	14502	J -2817737
9		8.6A	21 1.025	-0.0002	20	-20 52 11.88	-0.052	15	0.33	1.028	16	33.6	11.03	16	33.6	K2	J	13A	9494	A -21 6214
10		9.1R	21 9.300	-0.0003	18	-22 9 39.45	0.018	18	0.34	9.305	16	33.6	39.74	16	33.6	F8	J	14	15208	E -2215875
11		9.5R	21 11.956	-0.0010	18	-24 11 32.24	0.037	18	0.34	11.973	16	33.6	32.85	16	33.6	G5	J	14	15209	E -2417154
12		9.4R	21 12.990	-0.0018	20	-28 30 58.03	-0.035	20	0.36	13.019	16	33.6	57.46	16	33.6	K2	J	13B	14504	J -2817738
13		8.0T	21 18.827	0.0050	12	-26 37 37.17	-0.023	11	0.66	18.564	18	97.9	35.92	18	95.1	F0		GC	31302	C -2715887
14		8.5R	21 23.991	0.0052	12	-28 55 40.80	-0.019	12	0.25	23.905	16	33.6	40.49	16	33.6	F0	J	13B	14508	J -2918324
15		7.5R	21 31.424	-0.0011	18	-21 51 4.12	0.005	18	0.34	31.443	16	33.6	4.20	16	33.6	K2	J	14	15212	E -2215881
16		8.7R	21 36.612	0.0011	18	-22 30 40.75	0.025	18	0.34	36.593	16	33.6	41.17	16	33.6	F8	J	14	15213	E -2215882
17		7.2T	21 48.194	-0.0003	11	-23 37 16.25	0.018	11	0.60	48.207	18	97.8	17.18	17	97.5	B9		GC	31318	C*-2417160
18		9.6R	21 50.301	-0.0001	18	-27 6 21.38	-0.035	18	0.34	50.303	16	33.6	20.81	16	33.6	F5	J	13B	14510	J -2715893
19		7.2T	21 58.777	-0.0018	10	-27 6 48.65	-0.019	08	0.51	58.870	17	97.0	47.60	15	93.9	K2		GC	31321	C -2715896
20		9.3R	22 11.727	0.0023	12	-28 24 25.52	-0.035	12	0.25	11.690	16	33.6	24.95	16	33.6	F8	J	13B	14513	J -2817745
21	10.3	9.0W	22 12.727	-0.0018	21	-29 55 44.41	0.013	21	0.42	12.695	22	32.8	44.63	21	32.8	K2		C7	12169	C -3019145
22		9.4R	22 16.858	-0.0034	18	-25 39 49.27	0.005	18	0.34	16.954	16	33.6	49.36	16	33.6	F8	J	14	15215	E -2616125
23		9.4R	22 21.452	-0.0015	18	-23 19 22.79	-0.010	18	0.34	21.476	16	33.6	22.63	16	33.6	G5	J	14	15217	E -2317425
24		9.4R	22 22.011	0.0030	18	-23 57 29.88	0.017	18	0.34	21.962	16	33.6	30.16	16	33.6	F8	J	14	15216	E -2417163
25		8.9A	22 36.864	0.0002	20	-20 17 6.17	0.022	13	0.32	36.861	16	33.6	6.53	16	33.6	K0	J	13A	9501	A -20 6422
26		8.5R	22 41.305	-0.0010	15	-25 36 29.73	-0.113	15	0.29	41.321	16	33.6	27.89	16	33.6	F8	J	14	15218	E -2515914
27		9.5R	22 41.616	0.0001	18	-22 16 47.93	-0.023	18	0.34	41.615	16	33.6	47.55	16	33.6	G0	J	14	15219	E -2215886
28		8.6R	22 53.015	-0.0005	15	-21 51 11.37	0.001	15	0.29	53.023	16	33.6	11.38	16	33.6	K0	J	14	15221	E -2215889
29		8.9R	22 53.988	0.0009	18	-24 58 58.32	-0.040	18	0.34	53.973	16	33.6	57.67	16	33.6	K2	J	14	15220	E -2515916
30		9.4R	23 0.476	-0.0004	18	-22 57 29.55	-0.029	18	0.34	0.483	16	33.6	29.08	16	33.6	K	M	14	15222	E -2317430
31		6.8T	23 4.200	-0.0006	12	-20 29 29.37	-0.003	12	0.66	4.231	17	98.7	29.22	18	97.0	F8		GC	31334K	B*-20 6423
32		9.3R	23 4.867	0.0043	15	-22 3 13.96	-0.179	15	0.29	4.797	16	33.6	11.03	16	33.6	F8	J	14	15223	E -2215891
33		8.5R	23 6.391	0.0029	12	-28 58 28.49	0.025	12	0.25	6.344	16	33.6	28.90	16	33.6	F5	J	13B	14515	J -2918336
34		9.3R	23 8.367	-0.0001	18	-23 16 37.83	-0.027	18	0.34	8.369	16	33.6	37.40	16	33.6	K2	M	14	15224	E -2317433
35		9.5R	23 9.974	-0.0008	18	-21 45 23.61	-0.007	18	0.34	9.987	16	33.6	23.49	16	33.6	K2	J	14	15225	E -2215893
36		8.5R	23 18.296	0.0004	18	-23 10 48.62	-0.028	18	0.34	18.289	16	33.6	48.17	16	33.6	F5	J	14	15226	E -2317435
37		8.7R	23 18.907	0.0018	20	-27 22 41.85	0.032	20	0.36	18.870	16	33.6	42.38	16	33.6	K0	J	13B	14516	J -2715908
38		8.0T	23 20.818	0.0032	13	-29 20 11.40	-0.019	12	0.68	20.655	21	99.1	10.38	18	95.9	F2		GC	31340	C -2918337
39		8.4R	23 21.554	-0.0001	20	-27 35 43.00	-0.002	20	0.36	21.555	16	33.6	42.97	16	33.6	K0	J	13B	14518	J -2715911
40		7.6T	23 22.459	0.0014	11	-28 16 2.09	-0.016	11	0.61	22.388	17	97.8	1.24	18	95.7	K0		GC	31341	C -2817758
41		8.7R	23 22.486	-0.0001	18	-22 52 30.06	-0.040	18	0.34	22.488	16	33.6	29.41	16	33.6	G5	J	14	15228	E -2317436
42		8.8R	23 23.025	-0.0001	18	-25 49 25.06	-0.011	18	0.34	23.026	16	33.6	25.25	16	33.6	F0	J	14	15227	E -2616135
43		9.5R	23 23.831	-0.0010	18	-23 30 49.57	-0.055	18	0.34	23.848	16	33.6	48.67	16	33.6	G5	J	14	15229	E -2317437
44		6.2T	23 24.963	0.0006	04	-23 56 13.79	0.007	04	0.18	24.935	06	07.3	14.08	07	07.0	A0		GC	31343	C -2417171
45		8.6R	23 25.074	0.0015	17	-24 41 43.97	0.007	17	0.31	25.050	16	33.6	44.09	16	33.6	A3	J	14	15230	E -2515922
46		9.5R	23 28.665	0.0011	17	-23 7 46.71	-0.065	12	0.28	28.647	16	33.6	45.66	16	33.6	G0	M	14	15232	E -2317439
47		8.7R	23 37.551	0.0070	12	-28 36 19.01	-0.011	12	0.25	37.435	16	33.6	18.83	16	33.6	K0	J	13B	14520	J -2817759
48		9.2R	24 7.000	-0.0008	21	-28 55 21.69	-0.017	21	0.38	7.013	16	33.6	21.41	16	33.6	F2	J	13B	14522	J -2918338
49		9.2R	24 7.044	-0.0021	18	-21 50 52.19	-0.065	18	0.34	7.079	16	33.6	51.12	16	33.6	G0	J	14	15233	E -2215896
50		9.3R	24 19.621	0.0020	18	-24 10 28.87	-0.007	18	0.34	19.589	16	33.6	28.76	16	33.6	G0	J	14	15234	E -2417176
51		8.9A	22 24 22.988	0.0052	15	-20 34 24.53	-0.019	11	0.26	22.903	16	33.6	24.22	16	33.6	F2	J	13A	9516	A -21 6226
52		9.0R	24 32.949	0.0008	18	-24 7 53.84	-0.024	18	0.34	32.936	16	33.6	53.45	16	33.6	F0	J	14	15235	E -2417177
53		8.9R	24 34.294	0.0055	12	-28 17 15.71	0.011	12	0.25	34.203	16	33.6	15.89	16	33.6	F5	J	13B	14525	J -2817769
54		9.3R	24 36.388	0.0008	18	-23 33 16.11	0.008	18	0.34	36.375	16	33.6	16.24	16	33.6	K5	M	14	15236	E -2317446
55		8.5R	24 40.722	0.0012	18	-22 47 21.37	-0.033	18	0.34	40.702	16	33.6	20.84	16	33.6	F5	J	14	15237	E -2317447
56		7.2T	24 52.192	0.0004	12	-26 40 26.61	0.006	13	0.67	52.169	17	98.7	26.94	19	97.7	F0		GC	31369	C -2715916
57		8.6R	25 4.441	0.0050	18	-22 51 31.95	-0.032	18	0.34	4.360	16	33.6	31.43	16	33.6	G0	J	14	15239	E -2317448
58		8.3R	25 6.206	0.0012	18	-22 7 30.58	-0.008	18	0.34	6.186	16	33.6	30.45	16	33.6	M3	M	14	15240	E -2215905
59		9.0R	25 9.144	0.0015	15	-25 39 0.55	-0.007	15	0.29	9.120	16	33.6	0.45	16	33.6	K2	J	14	15241	E -2616149
60		9.0R	25 16.843	0.0031	12	-28 30 7.11	-0.002	12	0.25	16.792	16	33.6	7.08	16	33.6	G5	J	13B	14531	J -2817773
61		8.0R	25 23.757	0.0015	18	-27 27 48.16	-0.051	18	0.34	23.733	16	33.6	47.32	16	33.6	K0	J	13B	14533	J -2715920
62		9.0A	25 26.741	-0.0033	15	-20 38 12.78	-0.035	11	0.26	26.795	16	33.6	12.21	16	33.6	G0	J	13A	9524	A -21 6229
63		9.6R	25 27.130	0.0033	18	-24 2 53.45	0.011	18	0.34	27.076	16	33.6	53.63	16	33.6	G0	J	14	15242	E -2417182
64		9.4R	25 30.592	-0.0015	18	-24 23 9.65	0.001	18	0.34	30.618	16	33.6	9.67	16	33.6	K5	J	14	15243	E -2417183
65		9.3R	25 40.382	0.0026	12	-28 27 21.00	0.034	12	0.25	40.338	16	33.6	21.56	16	33.6	K0	J	13B	14535	J -2817783
66		9.2R	25 42.229	-0.0022	18	-25 44 57.03	0.012	18	0.34	42.265	16	33.6	57.24	16	33.6	A2	J	14	15244	E -2616151
67		9.4R	25 53.743	0.0067	12	-28 59 42.13	-0.056	12	0.25	53.633	16	33.6	41.21	16	33.6	F5	J	13B	14536	J -2918350
68		7.3T	26 4.235	0.0078	13	-22 19 35.22	0.016	12	0.66	3.832	18	98.6	36.03	15	98.8	F2		GC	31395	-22 5920
69		8.0R	26 11.195	-0.0015	18	-24 23 17.35	-0.002	18	0.34	11.221	16	33.6	17.32	16	33.6	K0	J	14	15246	E -2417187
70		9.3R	26 11.274	0.0006	18	-21 51 40.71	-0.016	18	0.34	11.265	16	33.6	40.45	16	33.6	K5	J	14	15247	E -2215913
71	10.3	10.0W	26 16.391	-0.0032	21	-29 50 4.85	-0.007	21	0.42	16.445	22	32.8	4.73	21	32.8	G0		C7	12199	C -3019174
72		8.2A	26 22.700	0.0008	18	-20 39 54.25	-0.004	13	0.30	22.686	16	33.6	54.18	16	33.6	A3	J	13A	9527	A -21 6234
73		9.7R	26 28.746	-0.0128	20	-25 23 30.21	0.053	20	0.36	28.956	16	33.6	31.08	16	33.6	F8	J	14	15248	E -2515944
74		9.0R	26 30.552	-0.0012	12	-24 49 13.10	0.012	12	0.25	30.572	16	33.6	13.30	16	33.6	K0	J	14	15249	E -2515945
75		8.9R	26 33.717	-0.0008	18	-23 17 18.73	0.026	18	0.34	33.730	16	33.6	19.16	16	33.6	G5	J	14	15250	E -2317458
76		8.5R	26 36.132	-0.0003	18	-27 24 50.44	-0.041	18	0.34	36.137	16	33.6	49.78	16	33.6	K2	J	13B	14544	J -2715929
77		8.4T	26 36.650	0.0057	17	-28 58 58.57	-0.079	13	0.77	36.371	18	01.1	54.57	19	99.3	F5		GC	31406	C -2918354
78		7.3T	26 37.661	-0.0002	10	-28 54 56.47	-0.016	11	0.58	37.672	17	96.8	55.60	18	95.2	K0		GC	31407K	C*-2918355
79		8.6R	26 42.524	-0.0018	20	-29 20 8.07	0.028	20	0.36	42.553	16	33.6	8.53	16	33.6	K2	J	13B	14546	J -2918358
80		9.1R	26 48.120	0.0001	17	-27 50 34.45	-0.013	17	0.31	48.119	16	33.6	34.24	16	33.6	K2	J	13B	14547	J -2817790
81		8.6R	26 58.078	0.0021	20	-26 48 48.56	-0.041	20	0.36	58.044	16	33.6	47.90	16	33.6	G5	J	13B	14549	J -2715931
82		6.0T	26 58.439	0.0099	07	-27 21 49.18	-0.011	06	0.30	58.007	09	06.6	48.70	09	05.2	F0		GC	31417	C -2715932
83		8.9R	27 1.095	0.0018	18	-26 6 22.97	-0.003	18	0.34	1.064	16	33.6	22.93	16	33.6	G5	J	14	15251	E -2616160
84		9.2R	27 1.670	-0.0014	18	-22 24 57.86	-0.027	18	0.34	1.693	16	33.6	57.41	16	33.6	K0	J	14	15252	E -2215919
85		8.5R	27 5.701	0.0011	17	-28 5 46.97	-0.040	17	0.31	5.683	16	33.6	46.32	16	33.6	K2	J	13B	14551	J -2817792
86		8.1R	27 7.279	-0.0036	18	-24 6 40.80	-0.045	18	0.34	7.338	16	33.6	40.06	16	33.6	F5	J	14	15253	E -2417192
87		9.6R	27 9.495	0.0040	18	-23 42 1.29	0.018	18	0.34	9.430	16	33.6	1.59	16	33.6	F8	M	14	15254	E -2417193
88		9.0A	27 9.524	0.0092	20	-20 9 56.67	-0.050	15	0.33	9.373	16	33.6	55.86	16	33.6	G5	J	13A	9529	A -20 6440
89		9.2R	27 12.200	0.0012	20	-25 0 32.13	0.000	20	0.36	12.180	16	33.6	32.13	16	33.6	G0	J	14	15255	E -2515951
90		9.5R	27 14.340	-0.0003	18	-23 39 45.60	-0.023	18	0.34	14.345	16	33.6	45.22	16	33.6	G0	M	14	15256	E -2417194
91		9.2R	27 17.104	-0.0003	15	-25 38 39.46	-0.044	15	0.29	17.109	16	33.6	38.75	16	33.6	K0	J	14	15257	E -2616165
92		9.0R	27 23.664	0.0017	17	-27 13 55.33	0.066	17	0.31	23.636	16	33.6	56.41	16	33.6	F5	J	13B	14553	J -2715935
93		8.7R	27 28.567	0.0036	15	-24 57 38.28	0.010	15	0.29	28.508	16	33.6	38.45	16	33.6	G0	J	14	15258	E -2515955
94		9.3R	27 50.163	-0.0042	18	-23 53 48.93	0.012	18	0.34	50.233	16	33.6	49.13	16	33.6	G5	J	14	15259	E -2417198
95		8.0T	28 3.811	0.0001	15	-24 25 30.46	-0.011	11	0.69	3.804	18	00.2	29.89	18	99.4	K0		GC	31443	C -2417200
96		6.5T	28 7.169	0.0026	05	-26 19 46.83	-0.066	05	0.25	7.054	09	06.1	43.80	10	03.8	K0		GC	31444	C*-2616175
97		9.6R	28 8.925	-0.0036	20	-29 29 59.76	-0.015	20	0.36	8.984	16	33.6	59.51	16	33.6	G0	J	13B	14557	J -2918370
98		9.1R	28 19.389	0.0028	12	-29 32 47.56	0.014	12	0.25	19.344	16	33.6	47.79	16	33.6	K0	J	13B	14559	J -2918373
99		8.8R	28 20.277	0.0057	18	-26 36 35.91	-0.108	18	0.34	20.184	16	33.6	34.14	16	33.6	K0	J	14	15262	E -2616177
00		9.5R	28 24.411	-0.0011	15	-25 28 39.76	-0.021	15	0.29	24.429	16	33.6	39.42	16	33.6	K2	J	14	15263	E -2515959

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NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	EPOCH 1950 μ s	EPOCH 1950 σ_μ ″.001	EPOCH 1950 δ_{1950} ° ′ ″	EPOCH 1950 μ' ″	EPOCH 1950 $\sigma_{\mu'}$ ″.001	EPOCH 1950 σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	DM NUMBER
1		8.0R	22 28 28.709	-0.0005	18	-23 15 12.34	-0.021	18	0.34	28.718	16	33.6	12.00	16	33.6	G0 J	14	15264	E -2317470
2		9.4R	28 34.047	0.0025	18	-25 37 47.29	0.014	18	0.34	34.006	16	33.6	47.53	16	33.6	K0 J	14	15265	E -2616180
3		9.0R	28 48.290	-0.0020	18	-23 25 17.93	-0.030	18	0.34	48.322	16	33.6	17.45	16	33.6	F8 J	14	15266	E -2317473
4		9.2T	28 50.401	0.0024	16	-22 55 58.03	-0.108	12	0.72	50.286	19	01.7	52.60	21	99.6	G0	GC	31465	C -2317474
5		8.8R	28 59.900	0.0012	12	-24 57 35.10	-0.030	12	0.25	59.881	16	33.6	34.61	16	33.6	G5 J	14	15268	E -2515967
6		8.8R	29 0.177	0.0060	18	-22 8 36.92	0.080	18	0.34	0.079	16	33.6	38.23	16	33.6	G5 J	14	15269	E -2215933
7		8.8R	29 6.989	0.0033	18	-22 13 53.20	0.019	18	0.34	6.935	16	33.6	53.51	16	33.6	F2 J	14	15270	E -2215935
8		9.1R	29 10.540	0.0040	17	-28 23 19.47	-0.047	17	0.31	10.474	16	33.6	18.70	16	33.6	G5 J	13B	14560	J -2817803
9		9.2R	29 19.396	0.0003	18	-21 51 23.36	-0.000	18	0.34	19.392	16	33.6	23.36	16	33.6	G5 J	14	15271	E -2215938
10		8.9R	29 20.880	-0.0018	12	-22 32 13.80	-0.013	12	0.25	20.910	16	33.6	13.60	16	33.6	K0 J	14	15272	E -2215939
11		9.1R	29 34.458	-0.0001	12	-28 53 2.09	0.017	12	0.25	34.460	16	33.6	2.37	16	33.6	K0 J	13B	14564	J -2918378
12		8.7R	29 47.230	0.0038	12	-27 58 8.64	0.009	12	0.25	47.168	16	33.6	8.79	16	33.6	G5 J	13B	14566	J -2817809
13		9.5R	29 51.645	-0.0032	17	-28 42 13.17	-0.001	17	0.31	51.696	16	33.6	13.15	16	33.6	G5 M	13B	14567	J -2918380
14		8.7R	29 56.409	0.0009	18	-26 43 19.29	-0.017	18	0.34	56.394	16	33.6	19.02	16	33.6	K0 J	14	15273	E -2715958
15		8.3R	29 56.923	0.0115	15	-24 52 32.13	-0.025	15	0.29	56.735	16	33.6	31.72	16	33.6	G0 J	14	15274	E -2515976
16		8.3R	29 59.768	0.0024	18	-26 6 23.08	-0.026	18	0.34	59.730	16	33.6	22.67	16	33.6	F5 J	14	15275	E -2616192
17		8.8R	30 11.413	0.0021	15	-26 3 42.73	-0.021	15	0.29	11.379	16	33.6	42.38	16	33.6	A0 J	14	15276	E -2616195
18		8.0R	30 12.484	0.0015	12	-29 14 24.71	0.005	12	0.25	12.460	16	33.6	24.79	16	33.6	K2 J	13B	14569	J -2918384
19		9.5R	30 19.592	0.0070	18	-22 47 30.49	-0.047	18	0.34	19.478	16	33.6	29.73	16	33.6	G5 J	14	15277	E -2317484
20		9.4R	30 33.974	0.0028	18	-24 16 47.91	0.042	18	0.34	33.929	16	33.6	48.60	16	33.6	F8 J	14	15278	E -2417216
21		8.3R	30 37.964	0.0021	12	-28 24 20.17	-0.003	12	0.25	37.930	16	33.6	20.11	16	33.6	K0 J	13B	14572	J -2817815
22	9.2	9.4W	30 39.654	-0.0024	21	-29 59 17.87	0.034	21	0.42	39.695	22	32.8	18.45	21	32.8	A0	C7	12227	C -3019205
23		7.5T	30 45.364	0.0023	10	-29 55 23.39	0.006	12	0.63	45.239	17	95.1	23.74	15	94.9	F0	GC	31497	C -3019208
24		9.0R	30 47.340	-0.0007	12	-28 13 47.10	0.038	12	0.25	47.352	16	33.6	47.72	16	33.6	F0 J	13B	14576	J -2817818
25		9.0R	30 58.602	0.0034	17	-27 42 39.65	-0.019	17	0.31	58.546	16	33.6	39.33	16	33.6	K0 J	13B	14579	J -2817821
26		8.6R	30 59.034	-0.0026	12	-25 55 27.72	0.009	12	0.25	59.076	16	33.6	27.86	16	33.6	F2 J	14	15279	E -2616203
27		9.3R	31 5.684	-0.0084	18	-24 12 24.19	-0.141	18	0.34	5.822	16	33.6	21.88	16	33.6	K0 M	14	15280	E -2417222
28		8.5R	31 10.031	-0.0033	18	-22 21 43.86	-0.034	18	0.34	10.086	16	33.6	43.30	16	33.6	F5 J	14	15281	E -2215950
29		8.7R	31 21.414	0.0003	12	-27 54 38.81	0.031	12	0.25	21.408	16	33.6	39.32	16	33.6	K5 J	13B	14580	J -2817827
30		8.3R	31 24.796	-0.0015	18	-23 33 4.96	-0.007	18	0.34	24.820	16	33.6	4.84	16	33.6	K0 J	14	15283	E -2317495
31		8.3R	31 25.395	0.0029	15	-24 35 16.74	-0.030	15	0.29	25.348	16	33.6	16.25	16	33.6	K0 J	14	15282	E -2417226
32		8.9R	31 34.000	-0.0008	12	-27 48 22.57	-0.003	12	0.25	34.013	16	33.6	22.52	16	33.6	G0 J	13B	14581	J -2817828
33		8.5T	31 37.436	-0.0005	16	-22 51 39.34	0.021	13	0.75	37.462	18	00.5	40.41	19	99.7	G0	GC	31512K	C -2317496
34		8.4R	31 42.250	0.0071	12	-27 39 9.17	-0.088	12	0.25	42.133	16	33.6	7.72	16	33.6	G5 J	13B	14582	J -2817829
35		5.3H	31 57.688	0.0158	02	-20 57 53.86	-0.142	02	0.06	57.156	03	16.3	49.13	04	16.6	F5	F4	849	-21 6251
36		8.0A	31 59.213	0.0035	20	-20 7 5.54	0.031	15	0.33	59.156	16	33.6	6.06	16	33.6	F0 J	13A	9549	A -20 6454
37		8.6R	32 9.696	0.0025	17	-29 3 12.29	0.029	17	0.31	9.656	16	33.6	12.76	16	33.6	G5 J	13B	14583	J -2918397
38		8.9R	32 10.848	0.0049	18	-23 31 23.83	0.001	18	0.34	10.768	16	33.6	23.84	16	33.6	F8 J	14	15285	E -2317498
39		9.0R	32 18.499	0.0060	20	-27 49 35.05	0.006	20	0.36	18.401	16	33.6	35.14	16	33.6	F8 J	13B	14584	J -2817833
40		8.5R	32 18.559	0.0024	17	-27 43 49.71	-0.008	17	0.31	18.519	16	33.6	49.57	16	33.6	K5 J	13B	14585	J -2817834
41		9.0R	32 20.011	0.0025	20	-29 41 50.79	-0.013	20	0.36	19.970	16	33.6	50.58	16	33.6	K0 J	13B	14586	J -3019215
42		9.0R	32 23.169	0.0005	18	-22 20 19.56	0.022	18	0.34	23.162	16	33.6	19.92	16	33.6	A0 J	14	15286	E -2215958
43		9.0R	32 42.895	0.0001	20	-27 46 40.01	0.025	20	0.36	42.893	16	33.6	40.42	16	33.6	K2 J	13B	14588	J -2817836
44		9.6R	32 45.474	-0.0024	20	-21 42 19.88	-0.013	20	0.36	45.513	16	33.6	19.67	16	33.6	G	M	14	15287	E -2215959
45		8.6R	32 46.895	-0.0062	12	-28 0 26.85	-0.080	12	0.25	46.996	16	33.6	25.53	16	33.6	G0 J	13B	14589	J -2817837
46		6.0T	32 51.625	0.0029	05	-24 15 0.74	-0.002	05	0.27	51.483	10	01.8	0.62	10	99.0	K0	GC	31535	C*-2417232
47		9.4R	32 52.200	0.0000	21	-28 1 3.10	-0.038	21	0.38	52.199	16	33.6	2.47	16	33.6	G5 M	13B	14591	J -2817839
48		9.2R	32 52.540	0.0156	17	-28 23 24.48	-0.165	17	0.31	52.285	16	33.6	21.77	16	33.6	K2 J	13B	14590	J -2817838
49		8.6R	32 56.978	-0.0023	20	-28 44 11.29	0.041	20	0.36	57.017	16	33.6	11.96	16	33.6	F5 J	13B	14592	J -2918400
50		9.2R	33 4.111	-0.0034	21	-29 43 56.85	-0.035	21	0.38	4.167	16	33.6	56.28	16	33.6	G M	13B	14594	J -3019222
51		9.2R	22 33 7.742	0.0031	20	-28 48 27.46	0.007	20	0.36	7.692	16	33.6	27.57	16	33.6	A5 J	13B	14595	J -2918401
52		7.5T	33 10.724	-0.0009	14	-21 11 37.20	-0.010	09	0.62	10.767	18	01.7	36.71	17	98.6	K2	GC	31541K	-21 6254
53		9.0R	33 11.717	-0.0013	20	-25 12 59.45	0.028	20	0.36	11.738	16	33.6	59.91	16	33.6	K2 J	14	15291	E -2516007
54		8.5R	33 14.184	0.0010	20	-27 11 24.56	-0.035	20	0.36	14.168	16	33.6	23.98	16	33.6	K0 J	13B	14596	J -2715975
55		9.1R	33 22.212	0.0046	15	-26 35 36.45	0.016	15	0.29	22.137	16	33.6	36.71	16	33.6	G0 J	14	15292	E -2616219
56		9.2R	33 22.356	-0.0009	17	-25 28 1.75	-0.011	17	0.31	22.371	16	33.6	1.56	16	33.6	K2 J	14	15293	E -2516008
57		8.7R	33 23.626	0.0001	18	-24 15 40.96	-0.009	18	0.34	23.625	16	33.6	40.81	16	33.6	K0 J	14	15294	E -2417237
58		8.9R	33 28.499	0.0015	17	-28 34 12.85	0.028	17	0.31	28.474	16	33.6	13.31	16	33.6	K0 J	13B	14597	J -2817841
59		8.9R	33 28.568	-0.0039	20	-25 22 37.49	-0.010	20	0.36	28.632	16	33.6	37.32	16	33.6	F5 J	14	15295	E -2516009
60		9.7R	33 30.456	0.0039	18	-21 56 50.68	0.008	18	0.34	30.392	16	33.6	50.81	16	33.6		14	15296	E -2215961
61		8.5R	33 30.882	-0.0022	20	-27 24 45.55	0.001	20	0.36	30.918	16	33.6	45.56	16	33.6	A2 J	13B	14598	J -2715981
62		9.2R	33 31.561	0.0059	18	-21 56 12.49	0.010	18	0.34	31.464	16	33.6	12.65	16	33.6	G5 J	14	15297	E -2215962
63		8.8R	33 41.438	0.0031	18	-25 50 27.36	0.018	18	0.34	41.386	16	33.6	27.65	16	33.6	F8 J	14	15298	E -2616222
64		8.8R	33 47.527	-0.0014	18	-21 50 39.85	-0.008	18	0.34	47.551	16	33.6	39.72	16	33.6	F8 J	14	15299	E -2215967
65		7.3T	34 3.729	-0.0002	10	-21 20 57.77	0.029	08	0.52	3.739	19	99.8	59.33	18	97.3	A0	GC	31562	-21 6257
66		9.1R	34 6.517	0.0064	18	-21 47 28.84	0.016	18	0.34	6.412	16	33.6	29.10	16	33.6	G0 J	14	15300	E -2215969
67		8.7R	34 10.779	0.0013	18	-21 55 59.67	-0.035	18	0.34	10.758	16	33.6	59.10	16	33.6	K0 J	14	15302	E -2215971
68		8.0R	34 12.966	0.0024	20	-26 18 47.95	-0.027	20	0.36	12.927	16	33.6	47.50	16	33.6	K5 J	14	15301	E -2616228
69		9.5R	34 20.345	0.0014	18	-23 15 57.78	-0.032	18	0.34	20.323	16	33.6	57.26	16	33.6	K0 J	14	15303	E*-2317513
70		9.3R	34 29.530	-0.0013	18	-23 10 32.30	-0.002	18	0.34	29.552	16	33.6	32.27	16	33.6	G0 J	14	15304	E -2317515
71		9.1R	34 40.314	0.0046	18	-22 40 43.46	-0.019	18	0.34	40.238	16	33.6	43.15	16	33.6	G5 J	14	15305	E -2317516
72		9.0R	34 45.140	0.0041	12	-29 2 1.74	0.010	12	0.25	45.072	16	33.6	1.90	16	33.6	K2 J	13B	14601	J -2918404
73		7.2T	34 46.998	0.0023	13	-20 38 16.44	-0.061	08	0.52	46.895	15	05.4	13.41	15	00.0	A3	GC	31571	-21 6261
74		8.1R	34 52.343	0.0044	15	-22 3 25.83	0.006	15	0.29	52.271	16	33.6	25.93	16	33.6	G0 J	14	15306	E -2215976
75		9.0R	34 53.816	-0.0031	18	-23 31 24.27	-0.018	18	0.34	53.868	16	33.6	23.98	16	33.6	K0 J	14	15307	E -2317519
76		8.3R	34 55.377	0.0042	12	-29 18 16.92	0.007	12	0.25	55.308	16	33.6	17.03	16	33.6	F5 J	13B	14603	J -2918410
77		8.8R	34 56.200	0.0014	15	-25 25 34.97	0.001	15	0.29	56.176	16	33.6	34.98	16	33.6	K0 J	14	15308	E -2516021
78		9.3R	34 57.594	0.0015	12	-29 23 50.86	0.017	12	0.25	57.570	16	33.6	51.14	16	33.6	G M	13B	14604	J -2918411
79		9.0A	35 13.708	-0.0001	18	-20 36 14.14	-0.035	13	0.30	13.710	16	33.6	13.56	16	33.6	F8 J	13A	9568	A -21 6264
80		9.4R	35 14.231	-0.0046	18	-25 12 34.84	-0.035	15	0.31	14.305	16	33.6	34.26	16	33.6	G0 J	14	15310	E -2516023
81		8.5R	35 14.241	0.0102	18	-22 54 14.32	-0.064	18	0.34	14.074	16	33.6	13.28	16	33.6	F5 J	14	15311	E -2317523
82		9.3R	35 19.681	-0.0007	18	-23 55 6.32	0.015	18	0.34	19.692	16	33.6	6.56	16	33.6	A3 J	14	15312K	E -2417253
83		9.0R	35 20.498	0.0013	20	-27 35 42.66	-0.042	20	0.36	20.477	16	33.6	41.97	16	33.6	G0 J	13B	14605K	J -2715990
84		8.0T	35 23.162	0.0339	12	-27 42 14.38	0.019	09	0.54	21.476	15	00.3	15.35	15	98.3	G0	GC	31588	C -2817861
85		9.4R	35 23.238	-0.0073	20	-25 24 2.91	-0.095	20	0.36	23.357	16	33.6	1.35	16	33.6	K0 J	14	15313	E -2516025
86		8.1T	35 26.755	0.0038	12	-25 54 58.37	-0.052	12	0.65	26.566	21	00.2	55.62	19	97.2	F0	GC	31590	C -2616242
87		8.0R	35 36.260	-0.0001	17	-27 7 48.81	0.015	17	0.31	36.263	16	33.6	49.05	16	33.6	K0 J	13B	14607	J -2715992
88		8.0R	35 40.497	-0.0000	18	-22 59 55.80	-0.018	18	0.34	40.497	16	33.6	55.51	16	33.6	K5 J	14	15315	E -2317528
89		9.1A	35 49.531	0.0008	20	-21 5 39.16	0.036	15	0.33	49.518	16	33.6	39.74	16	33.6	F0 J	13A	9569	A -21 6266
90		8.6R	35 52.757	0.0048	20	-27 32 3.52	0.020	20	0.36	52.678	16	33.6	3.84	16	33.6	F8 J	13B	14608	J -2715994
91		9.7R	35 55.747	-0.0028	18	-23 17 21.18	0.006	18	0.34	55.793	16	33.6	21.29	16	33.6	F0 J	14	15316	E -2317529
92		6.4T	35 58.091	-0.0026	12	-29 0 30.30	0.005	11	0.65	58.225	18	99.2	30.55	18	96.2	K0	GC	31597	C -2918414
93		8.6R	35 59.255	0.0000	15	-21 55 2.46	0.007	15	0.29	59.255	16	33.6	2.57	16	33.6	K0 J	14	15317	E -2215986
94		9.1A	36 1.287	0.0325	20	-20 52 49.35	-0.056	15	0.33	0.754	16	33.6	48.42	16	33.6	M1 J	13A	9571	A -21 6267
95		8.7R	36 3.419	0.0036	12	-28 31 56.29	0.013	12	0.25	3.361	16	33.6	56.50	16	33.6	F5 J	13B	14611	J -2817865
96		9.1R	36 6.889	0.0026	18	-23 25 37.21	0.070	18	0.34	6.846	16	33.6	38.37	16	33.6	F2 J	14	15318	E -2317531
97		8.6R	36 11.974	0.0033	12	-27 49 42.00	0.009	12	0.25	11.919	16	33.6	42.14	16	33.6	G5 J	13B	14612	J -2817866
98		9.5R	36 20.501	0.0002	18	-21 48 28.86	0.023	18	0.34	20.498	16	33.6	29.24	16	33.6	G5 J	14	15319	E -2215989
99		8.3R	36 22.438	0.0026	18	-22 53 52.39	-0.046	18	0.34	22.396	16	33.6	51.64	16	33.6	K0 J	14	15320	E -2317534
00		9.2R	36 24.690	0.0025	12	-27 27 4.68	-0.054	15	0.27	24.650	16	33.6	3.79	16	33.6	K0 J	13B	14614	J -2716002

191300			EPOCH 1950									ORIGINAL EPOCH						SP.		SOURCE		-20° 22H
NUMBER	MAGNITUDES m_{pg}	m_v	α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.		CAT.	STAR NUMBER	DM NUMBER
1		9.2R	22 36 26.541	0.0008	18	-25 17 9.79	-0.004	18	0.34	26.527	16	33.6	9.85	16	33.6	F8 J					E -2516029
2		9.1R	36 30.728	-0.0016	12	-29 33 38.91	-0.010	12	0.25	30.754	16	33.6	38.76	16	33.6	F5 J		13B	14616		J -2918416
3		8.5R	36 30.813	0.0046	20	-25 44 37.77	-0.053	15	0.33	30.737	16	33.6	36.89	16	33.6	F0 J		14	15322		E -2616252
4		8.2R	36 48.424	0.0018	18	-23 2 22.88	-0.014	18	0.34	48.395	16	33.6	22.66	16	33.6	K0 J		14	15323		E -2317538
5		9.0A	36 52.704	0.0030	20	-21 18 59.33	0.022	15	0.33	52.654	16	33.6	59.70	16	33.6	F0 J		13A	9575K		A -21 6271
6		9.0R	36 56.262	0.0027	18	-23 56 42.04	-0.041	18	0.34	56.218	16	33.6	41.37	16	33.6	G0 J		14	15324		E -2417265
7		8.8R	36 57.162	0.0002	18	-22 26 58.19	-0.010	18	0.34	57.160	16	33.6	58.35	16	33.6	K5 J		14	15325		E -2215993
8		6.3T	36 57.274	0.0058	09	-28 35 9.21	-0.027	08	0.48	56.966	14	96.5	7.66	15	95.3	G0		GC	31623K		C*-2817873
9		6.8T	36 59.616	0.0064	11	-28 36 32.04	-0.051	09	0.54	59.293	14	99.2	29.19	15	94.5	F5		GC	31625K		C*-2817874
10		8.2R	37 2.543	0.0022	20	-29 6 28.19	-0.022	20	0.36	2.507	16	33.6	27.83	16	33.6	K5 J		13B	14619		J -2918419
11		8.6R	37 20.377	-0.0004	20	-26 25 55.56	0.002	20	0.36	20.384	16	33.6	55.59	16	33.6	G5 J		14	15326		E -2616263
12		8.5R	37 23.022	0.0008	20	-29 34 23.54	0.022	20	0.36	23.009	16	33.6	23.91	16	33.6	K0 J		13B	14625		J -2918421
13		8.9R	37 23.532	-0.0048	17	-27 33 21.58	-0.019	17	0.31	23.610	16	33.6	21.26	16	33.6	G0 J		13B	14627		J -2716005
14		9.0R	37 23.787	0.0023	17	-27 55 30.10	0.018	17	0.31	23.749	16	33.6	30.39	16	33.6	F8 J		13B	14626		J -2817880
15		8.7A	37 24.733	-0.0024	20	-20 16 12.69	-0.036	15	0.33	24.775	16	33.6	12.10	16	33.6	K2 J		13A	9581		A -20 6465
16		9.0R	37 47.031	0.0004	18	-23 57 55.55	-0.022	18	0.34	47.024	16	33.6	55.18	16	33.6	F5 J		14	15327		E -2417271
17		9.3R	37 48.238	-0.0016	20	-24 54 38.86	-0.011	20	0.36	48.264	16	33.6	38.68	16	33.6	K0 J		14	15328		E -2516038
18		4.2H	37 53.638	0.0022	02	-27 18 17.76	0.005	02	0.07	53.563	04	16.7	17.93	04	14.5	B8		F4	854		C -2716010
19	8.7	7.8W	37 54.960	0.0308	21	-29 56 8.69	-0.030	21	0.43	54.415	22	32.3	8.15	21	32.3	K2		C7	12286		C -3019255
20		9.0R	38 0.303	0.0016	20	-26 12 43.89	0.004	20	0.36	0.277	16	33.6	43.95	16	33.6	F5 J		14	15329		E -2616271
21		9.3R	38 13.250	0.0030	20	-23 49 34.40	-0.024	20	0.36	13.201	16	33.6	34.00	16	33.6	G0 J		14	15330		E -2417274
22		8.7R	38 17.061	-0.0012	18	-22 42 37.10	-0.018	18	0.34	17.081	16	33.6	36.80	16	33.6	G5 J		14	15331		E -2317553
23		7.0T	38 20.401	0.0036	11	-23 46 55.26	-0.031	10	0.59	20.209	15	97.3	53.50	17	93.8	F8		GC	31653		C*-2417276
24		9.4R	38 21.094	-0.0002	20	-25 3 47.10	0.029	20	0.36	21.097	16	33.6	47.57	16	33.6	G0 J		14	15333		E -2516047
25		8.4R	38 22.744	0.0053	18	-24 29 58.26	0.007	18	0.34	22.657	16	33.6	58.37	16	33.6	A0 J		14	15334		E -2417277
26		9.0R	38 26.417	0.0014	20	-29 32 1.32	-0.015	20	0.36	26.395	16	33.6	1.08	16	33.6	G5 J		13B	14633		J -2918425
27		9.0R	38 27.903	0.0024	17	-28 17 39.35	0.011	17	0.31	27.864	16	33.6	39.53	16	33.6	G0 J		13B	14634		J -2817886
28		7.2T	38 37.469	0.0128	13	-25 36 43.76	0.003	12	0.67	36.825	17	99.7	43.91	18	96.8	F5		GC	31658		C*-2616276
29		8.0T	38 40.525	-0.0012	14	-27 31 6.93	-0.009	09	0.62	40.581	18	01.3	6.46	18	98.6	A2		GC	31659		C -2716015
30		9.5R	39 10.368	0.0017	18	-24 12 0.08	-0.053	18	0.34	10.341	16	33.6	-59.21	16	33.6	K2 M		14	15337		E -2417283
31		9.0R	39 14.186	0.0030	12	-29 48 18.12	-0.025	12	0.25	14.136	16	33.6	17.72	16	33.6	A3 J		13B	14637		J -3019265
32		8.7R	39 16.815	-0.0025	18	-27 6 43.68	-0.030	18	0.34	16.856	16	33.6	43.19	16	33.6	G0 J		13B	14638		J -2716019
33		9.0A	39 16.920	0.0012	20	-21 2 44.85	-0.051	15	0.33	16.901	16	33.6	44.00	16	33.6	K0 J		13A	9585		A -21 6283
34		9.3R	39 18.401	0.0039	15	-23 24 25.36	-0.006	15	0.29	18.337	16	33.6	25.27	16	33.6	K0 J		14	15338		E -2317562
35		9.1R	39 24.321	-0.0006	18	-22 1 56.76	0.010	18	0.34	24.331	16	33.6	56.92	16	33.6	K0 J		14	15339		E -2216014
36		7.7R	39 32.758	0.0004	12	-27 38 40.50	-0.005	12	0.25	32.751	16	33.6	40.41	16	33.6	K5 J		13B	14640		J -2817892
37		6.4T	39 35.486	0.0022	04	-29 37 22.08	-0.011	04	0.23	35.381	09	02.4	21.56	09	00.9	M0		GC	31680		C*-3019257
38		9.1R	39 44.861	0.0005	18	-23 58 45.42	-0.003	18	0.34	44.853	16	33.6	45.37	16	33.6	K0 J		14	15340		E -2417291
39		9.1R	39 51.332	0.0036	15	-26 30 52.82	-0.040	15	0.29	51.274	16	33.6	52.16	16	33.6	G0 J		14	15341		E -2616287
40		8.6A	39 55.366	0.0012	20	-21 12 26.73	-0.007	13	0.32	55.347	16	33.6	26.60	16	33.6	K2 J		13A	9588		A -21 6287
41		9.0R	39 55.684	0.0009	21	-23 27 7.70	-0.049	21	0.38	55.670	16	33.6	6.90	16	33.6	K0 J		14	15342		E -2317565
42		8.8R	39 58.500	-0.0054	18	-22 33 13.94	-0.081	18	0.34	58.588	16	33.6	12.62	16	33.6	G5 J		14	15343		E -2216019
43		9.2R	40 4.875	0.0012	15	-24 43 46.29	-0.003	15	0.29	4.855	16	33.6	46.24	16	33.6	K0 M		14	15344		E -2516062
44		8.0R	40 6.289	0.0083	12	-28 8 53.53	-0.027	12	0.25	6.153	16	33.6	53.08	16	33.6	G5 J		13B	14645		J -2817894
45		8.8A	40 7.684	0.0004	20	-21 26 27.82	0.007	15	0.33	7.678	16	33.6	27.94	16	33.6	K5 J		13A	9589		A -21 6288
46		8.8R	40 7.866	0.0063	20	-25 56 35.72	-0.042	20	0.36	7.764	16	33.6	35.03	16	33.6	G5 J		14	15345		E -2616290
47		9.5R	40 14.058	-0.0059	15	-22 25 17.44	-0.063	15	0.29	14.155	16	33.6	16.41	16	33.6	G M		14	15346		E -2216022
48		8.6R	40 15.116	0.0053	17	-28 53 42.04	-0.011	17	0.31	15.029	16	33.6	41.86	16	33.6	F5 J		13B	14647		J -2918438
49		7.3T	40 18.929	0.0016	07	-21 55 11.41	0.020	07	0.34	18.854	10	04.2	12.31	10	04.3	K0		GC	31691		B*-22 5982
50		8.2R	40 24.727	0.0107	20	-28 24 50.49	0.023	20	0.36	24.552	16	33.6	50.86	16	33.6	F5 J		13B	14648		J -2817897
51	9.5	8.5W	22 40 30.135	0.0000	21	-29 55 39.79	0.032	21	0.43	30.135	22	32.3	40.35	21	32.3	K0		C7	12310		C -3019273
52		8.4R	40 30.783	-0.0068	18	-25 55 43.05	-0.060	18	0.34	30.894	16	33.6	42.06	16	33.6	F5 J		14	15348		E -2616294
53		8.5R	40 43.940	-0.0004	15	-24 38 34.80	0.029	15	0.29	43.946	16	33.6	35.26	16	33.6	K0 J		14	15349		E -2516071
54	9.7	9.6W	40 50.368	-0.0015	21	-29 57 14.12	0.081	21	0.43	50.395	22	32.3	15.55	21	32.3	G0		C7	12313		C -3019274
55		8.6R	40 58.725	0.0041	18	-27 8 10.39	-0.058	18	0.34	58.658	16	33.6	9.44	16	33.6	F8 J		13B	14653		J -2716032
56		9.2R	41 5.695	0.0021	20	-27 13 0.53	0.066	15	0.33	5.660	16	33.6	1.61	16	33.6	K0 M		13B	14654		J -2716033
57		8.4R	41 11.985	0.0012	18	-27 27 52.74	-0.042	18	0.34	11.966	16	33.6	52.05	16	33.6	G5 J		13B	14655		J -2716034
58		8.8T	41 19.327	0.0043	18	-29 11 36.53	-0.028	15	0.84	19.124	19	02.3	35.11	19	99.9	G0		GC	31720		C -2918446
59		8.8R	41 20.098	0.0025	12	-23 23 31.65	0.072	12	0.25	20.057	16	33.6	32.84	16	33.6	G0 J		14	15351		E -2317576
60		9.1A	41 20.378	0.0024	20	-21 0 28.72	-0.079	15	0.33	20.339	16	33.6	27.41	16	33.6	F8 J		13A	9598		A -21 6291
61		9.3R	41 33.149	-0.0015	20	-24 44 13.57	-0.061	20	0.36	33.174	16	33.6	12.57	16	33.6	G0 J		14	15352		E -2516080
62		9.3R	41 35.638	0.0002	20	-24 56 32.03	0.009	20	0.36	35.635	16	33.6	32.18	16	33.6	F8 J		14	15353		E -2516081
63		9.2R	41 39.714	0.0029	12	-29 7 43.89	0.014	12	0.25	39.666	16	33.6	44.12	16	33.6	F8 J		13B	14657		J -2918447
64		8.2R	41 41.878	0.0020	18	-24 1 40.39	-0.007	18	0.34	41.845	16	33.6	40.27	16	33.6	A0 J		14	15354		E -2417303
65		8.6R	41 44.304	-0.0017	20	-26 33 19.07	0.005	20	0.36	44.333	16	33.6	19.15	16	33.6	K0 J		14	15355		E -2616302
66		9.0A	41 52.746	-0.0010	18	-21 12 38.69	0.012	13	0.30	52.762	16	33.6	38.89	16	33.6	K0 J		13A	9601		A -21 6294
67		9.1R	41 59.622	-0.0037	18	-22 15 55.58	-0.042	18	0.34	59.883	16	33.6	54.89	16	33.6	G5 J		14	15356		E -2216035
68		9.3R	42 3.920	0.0030	18	-23 44 19.45	0.007	18	0.34	3.870	16	33.6	19.57	16	33.6	A0 J		14	15357		E -2417307
69		9.3R	42 15.586	-0.0020	15	-24 47 47.68	-0.016	15	0.29	15.618	16	33.6	47.42	16	33.6	K M		14	15358		E -2516084
70		9.1R	42 16.681	0.0023	15	-22 4 55.93	0.003	15	0.29	16.643	16	33.6	55.98	16	33.6	K0 J		14	15359		E -2216036
71		8.4R	42 18.593	-0.0006	15	-23 14 53.78	0.015	15	0.29	18.603	16	33.6	54.03	16	33.6	G5 J		14	15360		E -2317583
72		8.5R	42 19.177	0.0012	18	-27 33 20.78	-0.047	18	0.34	19.157	16	33.6	20.01	16	33.6	K0 J		13B	14660		J -2716039
73		9.4R	42 25.423	0.0015	18	-22 26 22.80	0.007	18	0.34	25.400	16	33.6	22.91	16	33.6	K0 J		14	15361		E -2216038
74		8.7R	42 26.660	0.0112	18	-23 22 3.51	-0.106	18	0.34	26.477	16	33.6	1.78	16	33.6	G0 J		14	15362		E -2317585
75		9.4R	42 28.275	0.0023	18	-23 4 40.33	0.023	18	0.34	28.237	16	33.6	40.71	16	33.6	G0 M		14	15363		E -2317587
76		9.2R	42 34.369	0.0056	17	-28 55 2.11	-0.016	17	0.31	34.298	16	33.6	1.85	16	33.6	F8 J		13B	14661		J -2918450
77		9.3A	42 36.280	0.0020	20	-21 8 7.93	0.007	15	0.33	36.247	16	33.6	8.04	16	33.6	F8 J		13A	9605		A -21 6296
78		8.6R	42 40.578	0.0038	20	-22 53 8.49	0.004	20	0.36	40.515	16	33.6	8.56	16	33.6	G0 J		14	15364		E -2317588
79		9.4R	42 41.272	-0.0009	20	-29 25 16.11	0.006	20	0.36	41.287	16	33.6	16.20	16	33.6	G0 J		13B	14663		J -2918452
80		9.3R	42 44.626	0.0015	18	-21 49 49.48	-0.003	18	0.34	44.603	16	33.6	49.43	16	33.6	G0 J		14	15365		E -2216040
81		9.5R	42 45.757	-0.0059	20	-21 39 10.03	-0.007	20	0.36	45.855	16	33.6	9.91	16	33.6	G0 J		14	15367		E -2216041
82		6.9T	42 48.015	0.0062	04	-25 30 1.13	0.020	04	0.21	47.711	07	01.0	2.10	09	01.3	A0		GC	31751		C*-2516087
83		9.1R	42 57.343	0.0022	15	-24 7 6.28	-0.017	15	0.29	57.306	16	33.6	6.00	16	33.6	G5 J		14	15368		E -2417312
84		7.7R	42 57.398	-0.0004	20	-27 14 31.83	-0.008	20	0.36	57.406	16	33.6	31.69	16	33.6	K2 J		13B	14665		J -2716044
85		9.0A	43 1.590	-0.0001	18	-20 55 40.20	-0.013	15	0.30	1.592	16	33.6	39.98	16	33.6	K0 J		13A	9606		A -21 6297
86		9.0R	43 13.858	0.0010	18	-22 28 11.64	0.024	18	0.34	13.842	16	33.6	12.03	16	33.6	K0 J		14	15369		E -2216046
87		9.0R	43 17.678	0.0038	12	-27 39 28.10	-0.050	12	0.25	17.616	16	33.6	27.28	16	33.6	G5 J		13B	14666		J -2817924
88		9.4A	43 19.241	0.0007	20	-21 6 30.51	0.014	15	0.33	19.230	16	33.6	30.73	16	33.6	K5 J		13A	9607		A -21 6298
89		9.3R	43 26.180	-0.0004	21	-29 39 31.48	-0.007	21	0.38	26.187	16	33.6	31.37	16	33.6	G M		13B	14668		J -3019291
90		9.2R	43 32.097	0.0044	18	-26 1 25.24	-0.033	18	0.34	32.025	16	33.6	24.70	16	33.6	G5 J		14	15370		E -2616313
91		9.3R	43 32.182	0.0009	15	-23 26 32.08	0.003	15	0.29	32.168	16	33.6	32.13	16	33.6	K0 M		14	15371		E -2317596
92		9.4R	43 52.535	0.0024	18	-24 46 59.49	-0.058	18	0.34	52.496	16	33.6	58.54	16	33.6	G5 M		14	15372		E -2516099
93		8.8A	43 55.836	0.0028	18	-20 31 29.29	0.017	12	0.30	55.790	16	33.6	29.57	16	33.6	K2 J		13A	9611		A -21 6301
94		8.1R	43 59.675	0.0022	20	-25 39 39.79	-0.025	20	0.36	59.639	16	33.6	39.38	16	33.6	G5 J		14	15373		E -2616315
95		9.4R	44 1.012	-0.0045	20	-22 53 55.66	-0.027	20	0.36	1.086	16	33.6	55.22	16	33.6	G M		14	15374		E -2317599
96		8.0A	44 8.278	-0.0001	20	-21 3 17.37	0.045	15	0.33	8.280	16	33.6	18.10	16	33.6	F8 J		13A	9612		A -21 6303
97		8.0R	44 10.569	-0.0025	20	-26 33 50.31	0.025	20	0.36	10.610	16	33.6	50.72	16	33.6	G5 J		14	15375		E -2616319
98		9.0A	44 10.871	0.0011	20	-20 10 5.38	-0.015	15	0.33	10.852	16	33.6	5.13	16	33.6	G5 J		13A	9613		A -20 6483
99		9.4R	44 21.465	0.0009	17	-22 22 0.62	-0.046	17	0.31	21.451	16	33.6	-59.87	16	33.6	G0 M		14	15376		E -2216050
00		8.0R	44 39.265	0.0064	12	-27 38 50.94	-0.016	12	0.25	39.160	16	33.6	50.67	16	33.6	K0 J		13B	14672		J -2817933

191400 -20° 22H

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	EPOCH 1950 μ s	EPOCH 1950 σ_μ ″.001	EPOCH 1950 δ_{1950} ° ′ ″	EPOCH 1950 μ' ″	EPOCH 1950 $\sigma_{\mu'}$ ″.001	EPOCH 1950 σ_{1950} ″	ORIGINAL EPOCH α_2 s	ORIGINAL EPOCH σ ″.01	ORIGINAL EPOCH ep.	ORIGINAL EPOCH δ_2 ″	ORIGINAL EPOCH σ' ″.01	ORIGINAL EPOCH ep.	SP.		SOURCE CAT.	SOURCE STAR NUMBER	DM NUMBER
1		9.0R	22 44 41.979	0.0004	18	-22 6 50.05	-0.002	18	0.34	41.973	16	33.6	50.02	16	33.6	K0	J	14	15377	E -2216052
2		9.6R	44 43.057	-0.0028	18	-24 26 34.28	-0.045	18	0.34	43.103	16	33.6	33.54	16	33.6	G0	M	14	15378	E -2417331
3		8.6A	44 44.732	0.0005	20	-21 19 0.16	-0.032	15	0.33	44.723	16	33.6	59.63	16	33.6	K0	J	13A	9615	A -21 6305
4		9.1R	44 47.586	0.0078	15	-24 49 27.81	-0.006	12	0.27	47.458	16	33.6	27.71	16	33.6	K0	J	14	15379	E -2516105
5		9.0R	44 52.559	0.0018	12	-27 37 48.31	0.018	12	0.25	52.529	16	33.6	48.60	16	33.6	K0	J	13B	14674	J -2817935
6		8.6R	44 54.550	0.0016	18	-23 26 11.03	-0.011	18	0.34	54.524	16	33.6	10.86	16	33.6	G0	J	14	15380	E -2317604
7		9.4R	44 55.417	-0.0028	15	-22 56 29.65	-0.019	15	0.29	55.464	16	33.6	29.34	16	33.6	F5	J	14	15381	E -2317605
8		9.4R	45 0.040	0.0003	18	-27 31 41.21	-0.036	18	0.34	0.036	16	33.6	40.61	16	33.6	F8	J	13B	14677	J -2716055
9		8.9R	45 0.063	-0.0004	18	-22 28 29.68	-0.055	18	0.34	0.070	16	33.6	28.78	16	33.6	G0	J	14	15382	E -2216054
10		8.7R	45 3.797	0.0010	18	-22 24 31.13	-0.007	18	0.34	3.781	16	33.6	31.01	16	33.6	A3	J	14	15383	E -2216055
11		8.5R	45 7.255	0.0031	18	-24 23 9.44	0.014	18	0.34	7.204	16	33.6	9.67	16	33.6	K0	J	14	15384	E -2417332
12		6.5T	45 11.772	0.0085	07	-26 10 28.71	-0.104	07	0.30	11.405	09	06.8	24.29	07	07.5	G5		GC	31806	C -2616324
13		9.2R	45 12.428	-0.0026	20	-26 40 36.00	0.008	20	0.36	12.471	16	33.6	36.13	16	33.6	G0	J	14	15386	E -2716058
14		8.3R	45 15.890	0.0003	17	-28 47 3.96	-0.047	17	0.31	15.885	16	33.6	3.19	16	33.6	K0	J	13B	14678	J -2918461
15		8.2R	45 23.832	-0.0015	18	-21 53 37.19	-0.006	18	0.34	23.857	16	33.6	37.09	16	33.6	G5	J	14	15388	E -2216057
16		9.4R	45 23.842	0.0021	18	-24 21 48.61	-0.005	18	0.34	23.808	16	33.6	48.53	16	33.6	F0	J	14	15387	E -2417335
17		6.9T	45 43.384	-0.0025	12	-27 49 37.59	-0.092	12	0.67	43.512	18	98.2	32.68	18	96.7	G0		GC	31819	C -2817943
18		8.7R	46 4.188	-0.0001	17	-28 55 16.89	0.006	17	0.31	4.190	16	33.6	16.99	16	33.6	G5	J	13B	14681	J -2918468
19		9.5R	46 4.781	0.0018	15	-25 23 52.41	-0.001	15	0.29	4.751	16	33.6	52.39	16	33.6	F0	J	14	15389	E -2516120
20		8.8R	46 7.943	-0.0113	20	-26 48 23.17	-0.080	20	0.36	8.128	16	33.6	21.86	16	33.6	G5	J	13B	14682	J -2716064
21		8.1R	46 14.667	-0.0008	15	-22 55 9.46	-0.022	15	0.29	14.680	16	33.6	9.10	16	33.6	G5	J	14	15390	E -2317614
22		8.0R	46 17.459	0.0015	15	-25 11 13.41	-0.077	15	0.29	17.434	16	33.6	12.15	16	33.6	F0	J	14	15391	E -2516123
23		9.5R	46 28.264	-0.0013	18	-21 50 46.11	0.001	18	0.34	28.286	16	33.6	46.12	16	33.6	G5	M	14	15392	E -2216062
24		8.3R	46 28.704	0.0029	17	-29 27 8.98	-0.015	17	0.31	28.656	16	33.6	8.73	16	33.6	K5	J	13B	14687	J -2918473
25		8.3R	46 29.695	-0.0034	20	-29 48 26.85	0.036	20	0.36	29.751	16	33.6	27.44	16	33.6	K2	J	13B	14689	J -3019309
26		9.3R	46 31.502	-0.0008	17	-25 51 58.94	-0.023	17	0.31	31.515	16	33.6	58.56	16	33.6	G	M	14	15393	E -2616331
27		9.1A	46 33.936	0.0013	20	-21 14 35.60	-0.022	15	0.33	33.914	16	33.6	35.24	16	33.6	G0	J	13A	9629	A -21 6309
28		7.0T	46 34.561	-0.0007	12	-23 21 25.65	0.016	10	0.58	34.597	15	00.0	26.50	15	97.7	K2		GC	31830	C -2317621
29		9.2R	46 34.870	-0.0024	20	-25 54 40.04	0.002	20	0.36	34.909	16	33.6	40.07	16	33.6	G	M	14	15394	E -2616333
30		9.0R	46 35.593	-0.0020	17	-25 48 50.37	-0.000	17	0.31	35.625	16	33.6	50.37	16	33.6	K	M	14	15396	E -2616332
31		9.4R	46 36.554	-0.0002	18	-21 52 39.67	-0.050	18	0.34	36.558	16	33.6	38.85	16	33.6	G0	M	14	15397	E -2216065
32		9.0R	46 47.272	-0.0028	18	-22 39 11.11	-0.016	18	0.34	47.317	16	33.6	10.86	16	33.6	K2	J	14	15398	E -2317624
33		8.6R	47 11.334	0.0025	18	-26 46 1.18	-0.023	18	0.34	11.294	16	33.6	0.80	16	33.6	F5	J	13B	14692	J -2716067
34		8.4A	47 14.658	0.0006	18	-20 32 59.91	-0.012	13	0.30	14.649	16	33.6	59.70	16	33.6	A2	J	13A	9632	A -21 6310
35		9.5R	47 15.428	-0.0034	18	-24 31 44.51	0.008	18	0.34	15.483	16	33.6	44.64	16	33.6	A0	J	14	15399	E -2417351
36		9.1R	47 23.498	-0.0043	15	-22 59 11.85	-0.099	15	0.29	23.568	16	33.6	10.24	16	33.6	G5	J	14	15400	E -2317628
37		9.4R	47 39.440	0.0022	18	-21 50 44.52	0.010	18	0.34	39.405	16	33.6	44.68	16	33.6	G5	J	14	15401	E -2216076
38		8.4R	47 58.131	0.0006	18	-22 58 33.49	-0.007	18	0.34	58.122	16	33.6	33.38	16	33.6	K2	J	14	15402	E -2317630
39		8.7R	48 2.537	0.0016	12	-29 34 12.43	0.011	12	0.25	2.511	16	33.6	12.62	16	33.6	A5	J	13B	14695	J -2918481
40		8.7R	48 9.571	0.0018	15	-27 33 2.83	0.007	15	0.29	9.541	16	33.6	2.94	16	33.6	G0	J	13B	14696	J -2716073
41		9.3R	48 12.158	0.0047	15	-26 1 14.40	0.036	15	0.29	12.081	16	33.6	14.99	16	33.6	K0	M	14	15403	E -2616348
42		8.6R	48 15.464	0.0020	18	-26 42 30.78	-0.039	18	0.34	15.431	16	33.6	30.14	16	33.6	K0	J	14	15404	E -2716075
43		7.6T	48 34.997	-0.0013	14	-24 1 50.62	0.021	12	0.70	35.060	18	99.6	51.73	19	96.5	K0		GC	31867	C -2417362
44		6.0T	48 35.745	-0.0003	05	-29 48 5.90	-0.007	05	0.28	35.759	12	02.8	5.56	12	00.0	K0		GC	31868	C -3019324
45		8.7R	48 40.147	-0.0009	18	-27 1 6.75	-0.058	18	0.34	40.162	16	33.6	5.80	16	33.6	K0	M	13B	14698	J -2716076
46		9.4R	48 51.011	0.0007	18	-22 18 33.11	-0.004	18	0.34	50.999	16	33.6	33.03	16	33.6	G0	M	14	15406	E -2216082
47		9.5R	48 51.198	0.0001	18	-22 34 25.89	-0.027	18	0.34	51.196	16	33.6	25.45	16	33.6	G0	M	14	15407	E -2216083
48		9.5R	48 52.145	0.0033	18	-24 20 42.99	-0.065	18	0.34	52.090	16	33.6	41.60	16	33.6	F8	M	14	15408	E -2417366
49		9.0A	48 57.031	0.0015	18	-21 12 20.22	0.033	11	0.29	57.007	16	33.6	20.75	16	33.6	F0	J	13A	9637	A -21 6314
50		9.0R	49 9.989	0.0010	18	-22 10 59.23	0.019	18	0.34	9.973	16	33.6	59.54	16	33.6	K0	M	14	15409	E -2216085
51		9.2R	22 49 15.538	0.0050	18	-24 17 39.11	-0.060	18	0.34	15.457	16	33.6	38.12	16	33.6	G0	J	14	15410	E -2417370
52		9.0R	49 34.378	0.0019	12	-28 25 49.13	0.038	12	0.25	34.348	16	33.6	49.75	16	33.6	K0	J	13B	14699	J -2817970
53		7.9R	49 41.876	0.0023	15	-21 58 26.23	-0.040	15	0.29	41.839	16	33.6	25.57	16	33.6	F0	J	14	15411	E -2216091
54		8.9R	49 44.068	0.0036	20	-27 39 9.12	0.007	20	0.36	44.008	16	33.6	9.23	16	33.6	A5	J	13B	14701	J -2817972
55		8.9A	49 46.927	0.0012	20	-21 26 56.89	0.024	15	0.33	46.908	16	33.6	57.27	16	33.6	F0	J	13A	9642	A -21 6315
56		8.4R	49 47.943	-0.0002	15	-24 49 51.49	0.023	15	0.29	47.946	16	33.6	51.87	16	33.6	K5	J	14	15412	E -2516149
57		9.2R	49 49.022	0.0025	12	-25 50 48.77	0.022	12	0.25	48.981	16	33.6	49.13	16	33.6	K0	J	14	15413	E -2616362
58		8.9R	49 54.805	-0.0017	15	-25 21 44.93	-0.016	15	0.29	54.832	16	33.6	44.66	16	33.6	F8	J	14	15415	E -2516151
59		9.1A	49 56.144	0.0053	20	-20 20 9.91	-0.065	15	0.33	56.056	16	33.6	8.85	16	33.6	G0	J	13A	9643	A -20 6497
60		7.6T	49 57.168	0.0015	12	-29 26 51.12	0.003	12	0.67	57.091	18	97.4	51.26	18	96.4	G5		GC	31901	C -2918485
61		8.0R	50 4.913	0.0002	20	-25 46 46.37	0.003	20	0.36	4.910	16	33.6	46.41	16	33.6	F5	J	14	15416	E -2616364
62		9.2R	50 5.374	0.0009	18	-23 12 0.53	-0.030	18	0.34	5.359	16	33.6	0.04	16	33.6	F0	J	14	15417	E -2317646
63		7.8R	50 8.694	-0.0021	20	-25 28 22.57	-0.004	20	0.36	8.727	16	33.6	22.50	16	33.6	K0	J	14	15418	E -2516153
64		7.7R	50 23.633	-0.0037	12	-25 24 50.47	-0.014	12	0.25	23.693	16	33.6	50.24	16	33.6	F8	J	14	15419	E -2516156
65		8.5R	50 32.735	0.0023	18	-22 54 22.81	0.007	18	0.34	32.697	16	33.6	22.93	16	33.6	G0	J	14	15420	E -2317652
66		9.3R	50 39.769	-0.0041	18	-22 19 59.75	0.011	18	0.34	39.836	16	33.6	59.92	16	33.6	G0	M	14	15421	E -2216098
67		8.0R	50 40.979	-0.0001	18	-24 11 41.06	-0.030	18	0.34	40.981	16	33.6	40.56	16	33.6	F5	J	14	15422	E -2417380
68		9.3R	50 41.379	0.0038	15	-27 0 12.60	0.004	12	0.27	41.317	16	33.6	12.66	16	33.6	F8	M	13B	14705	J -2716094
69		7.5R	50 42.356	0.0015	12	-28 40 54.59	-0.029	12	0.25	42.332	16	33.6	54.11	16	33.6	K0	J	13B	14706	J -2918490
70		9.1A	50 42.531	0.0033	20	-20 20 7.99	0.020	15	0.33	42.477	16	33.6	8.32	16	33.6	G0	J	13A	9647	A -20 6500
71		8.6R	50 53.448	0.0017	18	-24 26 1.68	-0.017	18	0.34	53.420	16	33.6	1.40	16	33.6	K5	J	14	15423	E -2417383
72		8.5R	50 53.748	0.0002	18	-27 14 52.33	-0.020	18	0.34	53.744	16	33.6	52.00	16	33.6	A2	J	13B	14709	J -2716095
73		9.2R	50 58.232	0.0039	15	-22 34 14.47	-0.020	15	0.29	58.168	16	33.6	14.15	16	33.6	G5	M	14	15424	E -2216103
74	8.9	8.9W	51 9.774	0.0011	21	-29 59 53.63	-0.004	21	0.43	9.755	22	32.3	53.55	21	32.3	A2		C7	12389	C -3019347
75		9.3R	51 16.631	0.0005	18	-22 12 26.66	0.001	18	0.34	16.623	16	33.6	26.68	16	33.6	A3	J	14	15425	E -2216106
76		9.1A	51 21.075	-0.0001	20	-20 38 47.53	-0.083	15	0.33	21.076	16	33.6	46.17	16	33.6	G5	J	13A	9651	A -21 6317
77		9.0A	51 23.127	-0.0007	18	-21 35 50.81	0.003	13	0.30	23.139	16	33.6	50.86	16	33.6	K5	J	13A	9652	A -22 6019
78		9.4R	51 25.486	0.0019	15	-21 51 3.39	-0.052	15	0.29	25.456	16	33.6	2.53	16	33.6	K0	M	14	15426	E -2216107
79		8.7R	51 29.488	0.0061	18	-22 25 57.71	0.064	18	0.34	29.389	16	33.6	58.76	16	33.6	K0	J	14	15427	E -2216108
80		8.7T	51 31.281	-0.0016	20	-22 43 33.47	-0.002	17	0.89	31.355	22	04.2	33.39	22	02.1	K5		GC	31932	C -2317661
81		7.2T	51 36.163	0.0044	14	-25 14 50.36	0.057	12	0.71	35.944	17	99.9	53.34	18	97.4	K0		GC	31935	C -2516166
82		8.5R	51 45.947	0.0015	12	-25 35 25.78	-0.016	12	0.25	45.922	16	33.6	25.52	16	33.6	K5	J	14	15430	E -2516168
83		9.1R	51 48.984	-0.0039	15	-21 38 56.83	-0.024	15	0.29	49.047	16	33.6	56.44	16	33.6	G0	J	14	15431	E -2216111
84		8.0R	51 55.770	0.0013	18	-27 12 30.74	-0.048	18	0.34	55.750	16	33.6	29.95	16	33.6	K0	J	13B	14714	J -2716100
85		9.0R	51 56.589	0.0032	12	-29 34 58.06	0.008	12	0.25	56.537	16	33.6	58.20	16	33.6	K2	J	13B	14713	J -2918494
86		8.5R	52 7.542	0.0009	18	-23 22 32.37	0.016	18	0.34	7.527	16	33.6	32.64	16	33.6	K0	J	14	15433	E -2317664
87		8.8R	52 10.815	0.0015	12	-28 6 58.63	0.030	12	0.25	10.790	16	33.6	59.12	16	33.6	K0	J	13B	14715	J -2817987
88		6.7T	52 12.867	0.0044	10	-22 37 58.35	-0.196	09	0.53	12.631	14	96.0	47.60	12	95.1	F5		GC	31948	C*-2317665
89		8.0R	52 28.174	0.0022	18	-24 14 9.44	-0.024	18	0.34	28.138	16	33.6	9.05	16	33.6	K2	J	14	15435	E -2417397
90		9.5R	52 28.519	-0.0036	18	-22 49 2.99	0.004	18	0.34	28.577	16	33.6	3.06	16	33.6	G0	M	14	15436	E -2317667
91			52 34.962	0.0032	21	-29 52 43.38	0.004	21	0.43	34.905	22	32.3	43.45	21	32.3	MB		C7	12396V	C*-3019355
92		9.1A	52 38.930	-0.0016	15	-21 27 15.19	-0.005	11	0.26	38.956	16	33.6	15.10	16	33.6	K0	J	13A	9659	A -21 6321
93		9.4R	52 41.289	-0.0009	17	-28 6 55.44	0.037	17	0.31	41.303	16	33.6	56.04	16	33.6	G0	M	13B	14719	J -2817989
94		9.5R	52 41.547	0.0003	17	-22 55 5.56	0.003	17	0.31	41.541	16	33.6	5.62	16	33.6	F5	M	14	15437	E -2317668
95		9.5R	52 42.077	-0.0042	18	-22 18 13.04	-0.017	18	0.34	42.146	16	33.6	12.75	16	33.6	F8	M	14	15438	E -2216115
96		6.6T	52 49.763	0.0041	11	-20 24 21.65	0.003	09	0.56	49.545	18	96.8	21.82	15	95.2	K2		GC	31965	-20 6507
97		9.2R	52 49.849	0.0083	17	-29 20 28.55	0.027	17	0.31	49.713	16	33.6	28.99	16	33.6	G0	M	13B	14720	J -2918501
98		8.6R	52 53.898	0.0108	20	-29 18 23.92	-0.025	20	0.36	53.722	16	33.6	23.51	16	33.6	F8	J	13B	14721	J -2918502
99		9.4R	52 57.560	-0.0001	12	-25 51 38.51	0.010	12	0.25	57.562	16	33.6	38.67	16	33.6	K0	M	14	15439	E -2616378
00		8.4R	52 58.124	0.0002	15	-22 51 53.01	-0.012	15	0.29	58.121	16	33.6	52.82	16	33.6	F8	J	14	15440	E -2317671

191500

-20° 22H

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	EPOCH 1950 μ s	EPOCH 1950 σ_μ .001"	EPOCH 1950 δ_{1950} ° ′ ″	EPOCH 1950 μ' ″	EPOCH 1950 σ'_μ .001"	EPOCH 1950 σ_{1950} ″	ORIGINAL EPOCH α_2 s	ORIGINAL EPOCH σ .01"	ORIGINAL EPOCH ep.	ORIGINAL EPOCH δ_2 ″	ORIGINAL EPOCH σ' .01"	ORIGINAL EPOCH ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	DM NUMBER
1		9.1R	22 53 3.948	0.0018	15	-26 42 34.15	-0.015	15	0.29	3.918	16	33.6	33.90	16	33.6	GS M	14	15441	E -2716107
2		8.2T	53 9.627	0.0185	22	-26 55 25.26	-0.185	20	1.02	8.746	18	02.4	16.52	19	02.8	GS	GC	31973	C -2716109
3		9.2R	53 13.042	0.0024	18	-24 23 32.38	-0.032	18	0.34	13.003	16	33.6	31.85	16	33.6	KO M	14	15442	E -2417403
4		8.8A	53 13.965	0.0017	20	-20 47 55.23	-0.012	15	0.33	13.937	16	33.6	55.02	16	33.6	KO J	13A	9661	A -21 6325
5		8.3R	53 18.293	0.0059	17	-28 17 26.60	-0.028	17	0.31	18.197	16	33.6	26.14	16	33.6	A2 J	13B	14723	J -2817994
6		9.6R	53 28.936	0.0009	15	-25 13 34.00	-0.016	18	0.31	28.921	16	33.6	33.73	16	33.6	GO M	14	15443	E -2516187
7		8.3R	53 32.530	0.0031	18	-24 25 3.11	0.012	18	0.34	32.480	16	33.6	3.30	16	33.6	FO J	14	15444	E -2417405
8		9.0R	53 33.595	0.0022	18	-24 6 58.71	0.024	18	0.34	33.560	16	33.6	59.09	16	33.6	FO J	14	15445	E -2417406
9		8.0R	53 43.572	0.0018	12	-28 52 23.58	0.012	12	0.25	43.542	16	33.6	23.77	16	33.6	FO J	13B	14724	J -2918504
10		9.2R	53 50.798	0.0002	15	-24 58 23.88	-0.016	15	0.29	50.794	16	33.6	23.62	16	33.6	KO J	14	15446	E -2516193
11		8.9R	53 58.747	0.0025	15	-26 31 13.88	-0.001	15	0.29	58.705	16	33.6	13.86	16	33.6	GO J	14	15447	E -2616385
12		9.2R	54 2.420	0.0051	12	-28 43 46.68	0.034	12	0.25	2.337	16	33.6	47.23	16	33.6	GS M	13B	14725	J -2918511
13		9.3R	54 5.726	0.0024	20	-24 42 42.41	-0.005	20	0.36	5.686	16	33.6	42.35	16	33.6	KO M	14	15448	E -2516194
14		9.4R	54 7.828	-0.0002	20	-25 45 16.36	0.014	20	0.36	7.831	16	33.6	18.58	16	33.6	GS M	14	15449	E -2616386
15		9.4R	54 22.836	-0.0039	18	-22 19 35.63	0.020	18	0.34	22.901	16	33.6	35.96	16	33.6	GS M	14	15450	E -2216127
16		8.0I	54 25.871	0.0014	14	-20 36 38.97	-0.040	13	0.72	25.802	22	00.5	36.89	21	98.7	M4E	GC	31992V	B*-21 6330
17		9.2R	54 26.535	-0.0028	20	-28 1 38.03	-0.013	20	0.36	26.580	16	33.6	37.81	16	33.6	GO J	13B	14726	J -2818003
18		8.0R	54 27.825	-0.0007	15	-26 28 39.15	-0.011	15	0.29	27.837	16	33.6	38.97	16	33.6	KO J	14	15451	E -2616389
19		9.2A	54 29.528	0.0033	20	-21 26 33.96	-0.010	15	0.33	29.473	16	33.6	33.80	16	33.6	GS J	13A	9664	A -21 6331
20		9.4A	54 34.534	0.0026	20	-20 41 17.34	-0.027	15	0.33	34.491	16	33.6	16.90	16	33.6	KO J	13A	9666	A -21 6332
21		8.5R	54 36.825	-0.0002	18	-24 6 23.07	-0.004	18	0.34	36.828	16	33.6	23.00	16	33.6	KO J	14	15452	E -2417414
22		9.2R	54 39.416	0.0018	12	-29 31 30.34	0.005	12	0.25	39.386	16	33.6	30.43	16	33.6	KO J	13B	14727	J -2918516
23		8.7R	54 46.200	-0.0042	18	-27 3 51.73	-0.034	18	0.34	46.269	16	33.6	51.17	16	33.6	GS J	13B	14728	J -2716122
24		1.3H	54 53.531	0.0258	01	-29 53 15.79	-0.161	01	0.05	52.250	02	00.4	8.85	03	06.9	A3	F4	867	C -3019370
25		8.3R	54 55.367	0.0116	15	-25 42 55.48	-0.038	15	0.29	55.178	16	33.6	54.85	16	33.6	F5 J	14	15453	E -2616394
26		7.7A	54 56.421	0.0024	20	-20 32 32.98	0.027	15	0.33	56.381	16	33.6	33.41	16	33.6	KO J	13A	9668	A -21 6334
27		7.7R	54 59.178	0.0039	12	-28 14 2.03	0.001	12	0.25	59.114	16	33.6	2.04	16	33.6	KO J	13B	14730	J -2818006
28		9.3R	55 1.863	0.0024	18	-23 49 23.09	0.039	18	0.34	1.824	16	33.6	23.72	16	33.6	GS J	14	15454	E -2417418
29		7.3T	55 4.655	0.0106	13	-26 22 19.08	-0.256	12	0.71	4.066	18	94.4	5.84	17	98.3	GO J	GC	32004K	C*-2816395
30		8.4R	55 4.764	0.0022	18	-22 52 42.49	0.016	18	0.34	4.728	16	33.6	42.76	16	33.6	GS J	14	15456	E -2317682
31		8.5R	55 11.377	0.0026	18	-23 6 23.25	-0.025	18	0.34	11.335	16	33.6	22.85	16	33.6	KS J	14	15457	E -2317686
32		9.0R	55 13.150	0.0171	18	-26 58 57.07	-0.124	18	0.34	12.871	16	33.6	55.04	16	33.6	GS J	13B	14732	J -2716126
33		9.2R	55 14.803	0.0008	12	-27 38 6.07	-0.036	12	0.25	14.790	16	33.6	5.48	16	33.6	F8 M	13B	14733	J -2818007
34		8.6R	55 18.843	0.0010	18	-22 10 12.79	0.016	18	0.34	18.828	16	33.6	13.05	16	33.6	KS J	14	15458	E --2216135
35		9.1R	55 35.407	0.0014	18	-22 40 22.32	-0.032	18	0.34	35.384	16	33.6	21.80	16	33.6	KS J	14	15459	E -2317687
36		9.2A	55 39.806	0.0011	20	-21 27 51.36	0.010	15	0.33	39.788	16	33.6	51.51	16	33.6	K2 J	13A	9677	A -21 6338
37		9.0R	55 54.929	0.0013	18	-24 56 49.72	-0.005	18	0.34	54.907	16	33.6	49.64	16	33.6	K2 J	14	15460	E -2516206
38		8.4R	55 55.229	0.0079	18	-23 57 51.70	-0.007	18	0.34	55.100	16	33.6	51.58	16	33.6	GS J	14	15461	E -2417426
39		8.4R	55 55.622	0.0000	12	-28 34 24.39	-0.028	12	0.25	55.622	16	33.6	23.93	16	33.6	KO J	13B	14734	J -2818010
40		8.0R	55 56.903	0.0107	12	-28 25 4.37	-0.026	12	0.25	56.727	16	33.6	3.94	16	33.6	F5 J	13B	14736	J -2818011
41		9.3R	55 59.664	-0.0007	18	-25 24 57.70	0.011	18	0.34	59.675	16	33.6	57.88	16	33.6	KO M	14	15462	E -2516207
42		9.2R	56 4.444	-0.0013	18	-21 46 41.06	-0.018	18	0.34	4.465	16	33.6	40.77	16	33.6	GS J	14	15464	E -2216142
43		8.0R	56 5.162	-0.0008	15	-23 43 2.22	-0.017	15	0.29	5.175	16	33.6	1.94	16	33.6	GS J	14	15463	E -2417428
44		8.4R	56 7.116	0.0086	20	-23 41 55.38	-0.015	20	0.36	7.008	16	33.6	55.13	16	33.6	F8 J	14	15465	E -2417429
45		9.0A	56 14.118	0.0021	15	-21 9 29.89	-0.025	11	0.26	14.083	16	33.6	29.47	16	33.6	GO J	13A	9679	A -21 6341
46		9.2R	56 15.239	0.0035	12	-29 23 43.79	0.003	12	0.25	15.181	16	33.6	43.84	16	33.6	KO M	13B	14738	J -2918524
47		8.6R	56 39.629	0.0103	18	-23 5 51.90	0.012	18	0.34	39.461	16	33.6	52.10	16	33.6	GS J	14	15466	E -2317691
48		8.8R	56 47.610	0.0041	18	-22 25 16.24	-0.054	18	0.34	47.544	16	33.6	15.35	16	33.6	GS J	14	15467	E -2216146
49		9.2R	56 48.392	-0.0008	15	-22 7 44.11	0.027	15	0.29	48.406	16	33.6	44.54	16	33.6	KS J	14	15468	E -2216147
50		5.5T	56 51.920	-0.0002	05	-29 43 50.56	0.013	05	0.25	51.929	10	02.4	51.22	10	00.6	A5	GC	32036	C -3019383
51		8.9R	22 56 54.390	0.0025	18	-24 21 53.98	0.037	18	0.34	54.349	16	33.6	54.58	16	33.6	GO J	14	15469	E -2417434
52		9.4R	56 59.841	-0.0025	18	-22 39 41.77	0.007	18	0.34	59.863	16	33.6	41.89	16	33.6	GO J	14	15470	E -2317694
53		9.5R	57 21.390	-0.0024	20	-24 16 45.48	-0.076	20	0.36	21.430	16	33.6	44.23	16	33.6	G M	14	15471	E -2417436
54		5.9T	57 23.538	0.0026	06	-25 25 53.77	-0.071	05	0.27	23.426	10	06.6	50.42	10	03.1	K0	GC	32049	C*-2516220
55		9.2R	57 24.341	0.0025	20	-24 48 43.20	0.034	20	0.36	24.300	16	33.6	43.76	16	33.6	F5 J	14	15473	E -2516221
56		8.5R	57 25.851	0.0017	18	-22 53 15.21	-0.003	18	0.34	25.824	16	33.6	15.17	16	33.6	K5 J	14	15474	E -2317695
57		8.5R	57 26.251	0.0007	18	-26 55 59.97	0.007	18	0.34	26.240	16	33.6	+ 0.08	16	33.6	F8 J	13B	14746	J -2716139
58		8.7R	57 28.090	0.0007	15	-25 19 31.29	0.014	15	0.29	28.077	16	33.6	31.52	16	33.6	K2 J	14	15475	E -2516222
59		8.5R	57 28.965	0.0021	20	-27 4 35.99	-0.030	20	0.36	28.930	16	33.6	35.49	16	33.6	K5 J	13B	14748	J -2716140
60		8.5R	57 29.739	0.0037	12	-28 11 28.96	-0.001	12	0.25	29.678	16	33.6	28.94	16	33.6	F5 J	13B	14749	J -2818031
61		7.6R	57 31.955	0.0008	12	-27 21 51.49	0.053	12	0.25	31.943	16	33.6	52.35	16	33.6	K2 J	13B	14751	J -2716141
62		7.4T	57 36.506	0.0100	10	-26 25 11.83	-0.139	07	0.49	35.975	15	96.9	4.42	14	96.7	GO	GC	32053	C -2616415
63		8.1T	57 38.209	-0.0658	12	-22 47 37.65	0.065	12	0.66	41.665	15	97.5	41.18	15	95.9	M0	GC	32054	C*-2317699
64		9.0R	57 40.815	0.0009	18	-21 53 30.44	0.007	18	0.34	40.801	16	33.6	30.55	16	33.6	F8 J	14	15478	E -2216151
65		6.4T	57 42.023	0.0064	08	-25 53 41.14	-0.030	08	0.32	41.791	10	13.8	39.97	12	10.9	K0	GC	32055	C -2616419
66		8.8T	57 42.788	0.0021	12	-26 24 4.83	-0.012	10	0.61	42.683	17	99.7	4.20	17	97.8	F8	GC	32056	C -2616418
67		9.3R	57 48.775	0.0010	20	-25 39 27.71	0.050	20	0.36	48.759	16	33.6	28.52	16	33.6	K0 M	14	15481	E -2616421
68		9.5R	57 49.981	-0.0008	15	-24 28 39.50	0.005	15	0.29	49.994	16	33.6	39.57	16	33.6	F8 M	14	15482	E -2417444
69		9.2R	57 52.494	0.0062	17	-28 8 23.12	-0.032	17	0.31	52.392	16	33.6	22.59	16	33.6	F8 J	13B	14753	J -2818035
70		9.2R	57 52.862	0.0061	18	-23 9 13.47	0.016	18	0.34	52.762	16	33.6	13.74	16	33.6	F8 J	14	15483	E -2317700
71		8.8A	57 53.106	0.0027	12	-21 4 55.40	0.041	11	0.24	53.061	16	33.6	56.08	16	33.6	K0 J	13A	9684	A -21 6348
72		9.6R	57 59.849	-0.0023	20	-22 7 33.48	-0.006	20	0.36	59.887	16	33.6	33.38	16	33.6	GO M	14	15485	E -2216153
73		8.5R	58 1.299	0.0050	20	-25 15 40.00	-0.191	20	0.36	1.216	16	33.6	36.87	16	33.6	GO J	14	15484	E -2516227
74		8.6R	58 11.959	0.0039	17	-24 55 55.05	-0.023	17	0.31	11.895	16	33.6	54.68	16	33.6	K0 J	14	15486	E -2516228
75		8.9T	58 12.304	0.0084	18	-22 31 51.15	-0.081	22	0.97	11.901	18	01.9	47.49	19	04.7	G5	GC	32069K	C*-23 465
76		9.0R	58 13.025	0.0019	22	-22 31 56.88	-0.108	22	0.40	12.995	16	33.6	55.12	16	33.6	G5 J	14	15488	E -2216154
77		9.4R	58 19.585	-0.0005	18	-22 40 19.53	0.004	18	0.34	19.594	16	33.6	19.60	16	33.6	F5 J	14	15489	E -2317702
78		9.3R	58 27.097	0.0005	17	-25 44 17.45	-0.002	17	0.31	27.089	16	33.6	17.41	16	33.6	G5 M	14	15490	E -2616427
79		9.6R	58 27.822	0.0031	18	-24 26 52.03	-0.019	18	0.34	27.772	16	33.6	51.72	16	33.6	GO M	14	15491	E -2417449
80		9.2R	58 29.351	-0.0014	20	-26 15 57.46	-0.103	20	0.36	29.374	16	33.6	55.77	16	33.6	GO J	14	15492	E -2616428
81		5.7T	58 35.839	0.0051	07	-29 7 20.81	-0.006	08	0.34	35.627	10	08.1	20.54	10	07.9	K0	GC	32075	C -2918537
82		9.2R	58 38.624	-0.0015	18	-24 54 36.48	0.038	18	0.34	38.648	16	33.6	37.11	16	33.6	GO J	14	15493	E -2516231
83		8.5R	58 41.853	0.0186	17	-28 16 45.80	-0.115	17	0.31	41.549	16	33.6	43.91	16	33.6	G5 J	13B	14756	J -2818043
84		8.4R	58 41.871	-0.0046	20	-29 23 21.32	-0.068	20	0.36	41.947	16	33.6	20.20	16	33.6	K0 J	13B	14757	J -2918538
85		6.3T	58 41.880	0.0026	06	-23 3 33.98	-0.017	05	0.25	41.782	10	11.9	33.28	10	08.1	A2	GC	32077	C -2317706
86		8.8R	58 43.051	-0.0012	12	-25 20 42.22	-0.075	12	0.25	43.071	16	33.6	40.99	16	33.6	F8 J	14	15495	E -2516233
87		9.3R	58 46.732	-0.0015	20	-28 26 25.29	-0.000	20	0.36	48.756	16	33.6	25.29	16	33.6	F8 M	13B	14759	J -2818545
88		8.8R	58 48.747	-0.0029	20	-29 45 20.63	0.062	20	0.36	48.794	16	33.6	21.66	16	33.6	K0 J	13B	14758	J -3019392
89		8.8R	58 51.929	-0.0037	17	-29 44 6.46	-0.135	17	0.31	51.990	16	33.6	4.26	16	33.6	G5 M	13B	14761	J -3019393
90		7.3T	58 52.968	0.0075	13	-22 41 15.54	-0.035	12	0.69	52.585	18	98.7	13.69	18	96.8	F8	GC	32081	C*-2317709
91		9.2R	58 54.475	0.0115	20	-28 18 22.20	0.095	20	0.36	54.287	16	33.6	23.75	16	33.6	G5 M	13B	14762	J -2818047
92		8.7R	58 56.965	0.0018	20	-29 35 8.94	0.019	20	0.36	56.935	16	33.6	9.26	16	33.6	K5 M	13B	14763	J -2918540
93		9.2R	58 59.826	0.0016	18	-22 37 25.18	-0.009	18	0.34	59.799	16	33.6	25.04	16	33.6	K2 M	14	15497	E -2317710
94		8.9R	59 1.063	-0.0030	15	-23 27 48.04	0.006	15	0.29	1.112	16	33.6	48.14	16	33.6	K0 M	14	15498	E -2317711
95		9.3A	59 12.368	-0.0000	20	-20 28 51.79	-0.068	15	0.33	12.368	16	33.6	50.68	16	33.6	KO J	13A	9689	A -20 6525
96		8.6R	59 15.836	0.0010	17	-29 31 12.44	-0.015	17	0.31	15.819	16	33.6	12.20	16	33.6	KO J	13B	14764	J -2918542
97		9.2R	59 20.942	-0.0044	18	-22 6 42.63	-0.018	18	0.34	21.014	16	33.6	42.34	16	33.6	GO J	14	15499	E -2216155
98		9.0R	59 26.736	0.0036	12	-27 37 12.10	-0.010	12	0.25	26.676	16	33.6	11.93	16	33.6	A3 J	13B	14765	J -2818552
99		8.4R	59 30.911	-0.0016	12	-25 21 46.26	0.071	12	0.25	30.937	16	33.6	47.42	16	33.6	F5 J	14	15500	E -2516240
00		9.3R	59 44.606	0.0085	15	-24 24 24.09	-0.070	15	0.29	44.466	16	33.6	22.94	16	33.6	G5 J	14	15501	E -2417456

191600

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	EPOCH 1950 μ s	EPOCH 1950 σ_μ .001"	EPOCH 1950 δ_{1950} ° ′ ″	EPOCH 1950 μ' ″	EPOCH 1950 $\sigma_{\mu'}$ .001"	EPOCH 1950 σ_{1950} ″	ORIGINAL EPOCH α_2 s	ORIGINAL EPOCH σ .01"	ORIGINAL EPOCH ep.	ORIGINAL EPOCH δ_2 ″	ORIGINAL EPOCH σ' .01"	ORIGINAL EPOCH ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	-20° 22H DM NUMBER
1		9.1A	22 59 46.877	0.0006	15	-20 48 8.41	-0.029	11	0.26	46.868	16	33.6	7.92	16	33.6	K2 J	13A	9694	A -21 6353
2		8.3R	59 47.704	0.0050	18	-23 51 0.96	-0.007	18	0.34	47.622	16	33.6	1.07	16	33.6	F5 J	14	15502	E -2417457
3		9.5R	23 0 2.427	-0.0030	15	-25 45 14.15	-0.046	15	0.29	2.477	16	33.6	13.39	16	33.6	G0 M	14	15503	E -2616441
4		6.2T	0 4.199	-0.0042	09	-21 8 17.48	-0.113	08	0.36	4.372	09	08.7	12.84	09	09.1	G5	GC	32105	-21 6354
5		9.5R	0 12.101	0.0092	18	-21 42 41.51	0.006	18	0.34	11.951	16	33.6	41.60	16	33.6	G5 M	14	15504	E -2216160
6		8.4R	0 15.422	-0.0013	18	-22 52 58.35	0.007	18	0.34	15.443	16	33.6	58.47	16	33.6	F2 J	14	15505	E -2317716
7		9.3R	0 39.525	-0.0029	12	-22 34 16.81	-0.034	12	0.25	39.573	16	33.6	16.26	16	33.6	K0 M	14	15507	E -2216161
8		8.8A	0 42.542	0.0008	20	-20 22 42.90	-0.053	15	0.33	42.529	16	33.6	42.04	16	33.6	K0 J	13A	9700	A -20 6532
9		8.9A	0 44.914	-0.0011	20	-20 52 25.09	-0.005	15	0.33	44.933	16	33.6	25.01	16	33.6	K2 J	13A	9701	A -21 6356
10		9.5R	0 48.330	0.0017	18	-21 52 57.61	-0.007	18	0.34	48.302	16	33.6	57.49	16	33.6	F8 J	14	15508	E -2216163
11		9.0R	0 53.278	0.0026	18	-21 57 20.42	-0.021	18	0.34	53.236	16	33.6	20.07	16	33.6	K0 J	14	15509	E -2216165
12		6.9T	0 55.845	-0.0028	11	-27 4 58.05	0.035	12	0.61	55.704	17	99.8	59.82	15	99.0	M0	GC	32124	C -2716160
13		8.9R	1 0.057	-0.0081	18	-25 42 26.27	-0.027	18	0.34	0.190	16	33.6	25.82	16	33.6	G5 J	14	15510	E -2616449
14		9.2R	1 11.296	-0.0039	20	-27 34 47.41	0.030	20	0.36	11.360	16	33.6	47.90	16	33.6	G0 M	13B	14774	J -2716164
15		8.0R	1 12.810	0.0003	15	-26 1 33.48	0.006	15	0.29	12.805	16	33.6	33.58	16	33.6	K0 J	14	15512	E -2616453
16		9.1R	1 13.429	-0.0006	12	-27 46 4.29	-0.004	12	0.25	13.439	16	33.6	4.22	16	33.6	F8 J	13B	14775	J -2818059
17		8.6R	1 14.519	0.0069	12	-25 18 22.53	-0.038	12	0.25	14.405	16	33.6	21.90	16	33.6	G0 J	14	15513	E -2516255
18		7.5R	1 22.835	0.0030	18	-22 58 47.61	0.013	18	0.34	22.786	16	33.6	47.83	16	33.6	K0 J	14	15514	E -2317723
19		8.4T	1 24.339	0.0008	14	-28 30 28.73	-0.020	16	0.76	24.302	22	01.8	27.76	21	02.3	K5	GC	32138	C -2818060
20		9.0R	1 27.522	-0.0041	20	-24 41 11.21	-0.038	20	0.36	27.589	16	33.6	10.59	16	33.6	G5 J	14	15515	E -2516257
21		8.9R	1 27.980	0.0043	18	-24 3 23.76	0.016	18	0.34	27.909	16	33.6	24.01	16	33.6	A0 J	14	15516	E -2417466
22		7.1R	1 30.829	-0.0002	18	-22 30 14.28	-0.012	18	0.34	30.832	16	33.6	14.09	16	33.6	K0 J	14	15517	E -2216168
23		9.1R	1 31.764	-0.0022	13	-28 14 37.85	-0.033	13	0.27	31.800	16	33.6	37.30	16	33.6	K0 M	13B	14778	J -2818062
24		9.3R	1 40.091	-0.0010	18	-24 18 22.89	0.029	18	0.34	40.107	16	33.6	23.36	16	33.6	K0 M	14	15518	E -2417470
25		8.8R	1 42.428	0.0027	18	-24 23 7.39	0.003	18	0.34	42.385	16	33.6	7.43	16	33.6	A0 J	14	15519	E -2417471
26		9.0R	1 45.614	0.0101	18	-24 23 38.74	-0.107	18	0.34	45.450	16	33.6	36.99	16	33.6	G5 M	14	15520	E -2417472
27		8.0R	1 51.506	-0.0043	12	-25 57 32.39	-0.168	12	0.25	51.577	16	33.6	29.63	16	33.6	G5 J	14	15521	E -2616458
28		9.3R	1 53.849	-0.0013	15	-21 47 6.50	-0.011	15	0.29	53.871	16	33.6	6.32	16	33.6	F0 J	14	15522	E -2216172
29		8.4R	1 55.973	0.0033	15	-26 27 12.60	0.040	15	0.29	55.918	16	33.6	13.25	16	33.6	F5 J	14	15523K	E -2616459
30		9.0R	2 7.710	-0.0017	12	-28 33 36.38	0.009	12	0.25	7.738	16	33.6	36.52	16	33.6	G5 J	13B	14780	J -2818067
31		6.8T	2 8.065	-0.0016	07	-27 24 21.73	-0.005	08	0.35	8.131	10	07.9	21.51	12	07.4	A3	GC	32146	C*-2716172
32		8.7R	2 13.118	-0.0003	18	-23 25 39.62	-0.002	18	0.34	13.122	16	33.6	39.59	16	33.6	F5 J	14	15524	E -2317728
33		8.4R	2 19.716	-0.0017	18	-24 6 42.47	0.004	18	0.34	19.743	16	33.6	42.53	16	33.6	F0 J	14	15525	E -2417478
34		8.9R	2 21.729	0.0032	13	-28 44 58.84	-0.037	13	0.27	21.677	16	33.6	58.23	16	33.6	G0 J	13B	14783	J -2918565
35		7.0T	2 34.333	-0.0010	12	-24 37 13.25	0.011	12	0.68	34.386	18	99.1	13.86	21	94.5	K0	GC	32155	C -2516269
36		9.1R	2 42.029	-0.0042	18	-22 0 37.36	0.018	18	0.34	42.098	16	33.6	37.65	16	33.6	F8 J	14	15527	E -2216182
37		8.8A	2 42.883	-0.0002	18	-20 54 37.33	-0.073	12	0.30	42.886	16	33.6	36.74	16	33.6	G5 J	13A	9707	A -21 6359
38		7.2R	2 44.865	0.0032	15	-22 45 25.16	0.005	15	0.29	44.813	16	33.6	25.25	16	33.6	M3 M	14	15528	E -2317733
39		9.2R	2 48.640	-0.0035	18	-27 34 27.75	-0.040	18	0.34	48.698	16	33.6	27.09	16	33.6	G5 M	13B	14785	J -2716174
40		9.2R	2 49.467	-0.0025	18	-24 34 36.99	0.040	18	0.34	49.508	16	33.6	37.65	16	33.6	G0 J	14	15529	E -2417484
41		9.2R	2 55.682	-0.0015	20	-25 25 48.24	-0.012	20	0.36	55.706	16	33.6	48.04	16	33.6	K0 M	14	15530	E -2516272
42		9.0R	3 18.285	0.0018	18	-23 36 25.96	-0.014	18	0.34	18.255	16	33.6	26.18	16	33.6	A3 J	14	15531	E -2417487
43		9.3R	3 21.133	-0.0001	12	-23 21 44.46	-0.023	12	0.25	21.135	16	33.6	44.09	16	33.6	K2 J	14	15532	E -2317736
44		9.0R	3 25.356	0.0018	20	-27 2 7.19	0.032	20	0.36	25.326	16	33.6	7.71	16	33.6	G0 J	13B	14789	J -2716177
45		9.1R	3 32.957	0.0026	15	-24 7 0.87	-0.007	15	0.29	32.915	16	33.6	0.75	16	33.6	K2 J	14	15533	E -2417489
46		8.7R	3 34.600	-0.0000	18	-22 12 26.62	0.009	18	0.34	34.601	16	33.6	26.76	16	33.6	K0 J	14	15534	E -2216187
47		9.1R	3 44.674	0.0015	20	-23 26 14.81	0.016	20	0.36	44.649	16	33.6	15.08	16	33.6	G5 J	14	15535	E -2317739
48		9.4R	3 45.247	0.0060	20	-27 43 41.38	0.047	20	0.36	45.148	16	33.6	42.15	16	33.6	G0 M	13B	14790	J -2818078
49		9.0R	3 48.528	-0.0013	17	-22 33 12.30	-0.053	17	0.31	48.549	16	33.6	11.44	16	33.6	G0 J	14	15536	E -2216188
50		9.0R	3 50.445	-0.0013	20	-26 26 28.41	0.014	20	0.36	50.467	16	33.6	28.64	16	33.6	G0 J	14	15537	E -2616477
51		4.8T	23 3 59.885	0.0048	04	-24 0 49.12	0.001	04	0.19	59.665	06	04.6	49.15	06	03.7	G5	GC	32182K	C*-2417497
52		9.5R	4 3.543	0.0038	20	-28 0 44.34	0.019	20	0.36	3.480	16	33.6	44.65	16	33.6	F5 M	13B	14792	J -2818080
53		8.7R	4 5.230	-0.0020	17	-23 2 47.66	-0.028	17	0.31	5.263	16	33.6	47.21	16	33.6	F5 J	14	15539	E -2317744
54		9.1R	4 10.231	-0.0014	20	-25 19 44.69	0.003	20	0.36	10.254	16	33.6	44.73	16	33.6	K0 M	14	15540	E -2516281
55		9.0R	4 10.542	-0.0044	20	-24 38 24.76	0.019	20	0.36	10.614	16	33.6	25.07	16	33.6	F8 M	14	15541	E -2516283
56		8.6R	4 14.356	-0.0032	12	-21 43 34.48	-0.125	12	0.25	14.409	16	33.6	32.43	16	33.6	K0 J	14	15542	E -2216191
57		8.7A	4 16.593	0.0041	20	-20 8 26.85	-0.082	15	0.33	16.526	16	33.6	25.51	16	33.6	F8 J	13A	9713	A -20 6543
58		9.1R	4 16.671	-0.0002	17	-26 46 6.13	0.009	17	0.31	16.673	16	33.6	6.27	16	33.6	K2 J	13B	14795	J -2716182
59		9.1R	4 19.363	-0.0042	17	-24 24 58.73	-0.023	17	0.31	19.433	16	33.6	58.34	16	33.6	F8 J	14	15543	E -2417498
60		9.0R	4 20.351	-0.0041	21	-23 58 42.05	0.054	21	0.38	20.418	16	33.6	42.93	16	33.6	K0 M	14	15544	E -2417499
61		8.2R	4 21.325	-0.0092	17	-22 29 25.02	-0.074	17	0.31	21.476	16	33.6	23.80	16	33.6	F8 J	14	15545	E -2216192
62		9.3A	4 23.998	0.0021	12	-20 44 27.56	-0.002	11	0.24	23.963	16	33.6	27.52	16	33.6	K0 J	13A	9715	A -21 6361
63		9.1R	4 25.954	0.0114	18	-23 25 36.38	-0.302	18	0.34	25.767	16	33.6	31.44	16	33.6	K5 J	14	15546	E -2317748
64		9.2R	4 31.231	-0.0020	18	-21 55 28.75	-0.006	18	0.34	31.263	16	33.6	28.65	16	33.6	K2 M	14	15547	E -2216195
65		8.9R	4 36.273	-0.0004	20	-25 37 46.94	0.017	20	0.36	36.279	16	33.6	47.21	16	33.6	K2 J	14	15548	E -2616481
66		8.5R	4 43.276	0.0027	15	-25 51 58.98	-0.014	15	0.29	43.232	16	33.6	58.75	16	33.6	M3 M	14	15549	E -2616483
67		9.2R	4 45.882	-0.0014	20	-26 28 26.12	0.020	20	0.36	45.905	16	33.6	26.44	16	33.6	F8 J	14	15550	E -2616484
68		8.8R	4 53.451	0.0012	20	-28 51 16.13	0.030	20	0.36	53.432	16	33.6	16.62	16	33.6	G5 M	13B	14798	J -2918582
69		9.4R	5 16.750	0.0058	18	-23 20 56.26	-0.007	18	0.34	16.656	16	33.6	56.14	16	33.6	F8 J	14	15551	E -2317754
70		9.1A	5 24.036	0.0006	15	-20 51 52.14	0.007	11	0.26	24.027	16	33.6	52.24	16	33.6	K2 J	13A	9716	A -21 6364
71		9.4R	5 33.387	0.0017	18	-21 58 7.56	-0.022	18	0.34	33.359	16	33.6	7.20	16	33.6	K0 J	14	15552	E -2216205
72		9.4R	5 34.471	-0.0039	12	-25 0 44.31	-0.131	12	0.25	34.535	16	33.6	42.16	16	33.6	K5 J	14	15553	E -2516291
73		8.8R	5 37.389	0.0059	18	-21 52 37.39	-0.100	18	0.34	37.293	16	33.6	35.75	16	33.6	G0 J	14	15554	E -2216206
74		5.9T	5 38.964	-0.0036	05	-29 5 38.40	-0.027	05	0.23	39.123	09	06.2	37.15	09	04.4	K0	GC	32226	C -2918588
75		9.3R	6 2.225	0.0022	18	-23 24 27.26	0.018	18	0.34	2.189	16	33.6	27.56	16	33.6	K0 J	14	15555	E -2317758
76		6.8T	6 10.976	-0.0131	11	-26 6 4.08	-0.027	11	0.61	11.669	15	97.1	2.62	18	96.1	F5	GC	32234	C -2616495
77		8.0R	6 16.036	-0.0068	18	-27 25 28.40	-0.045	15	0.31	16.147	16	33.6	27.66	16	33.6	G0 J	13B	14808	J -2716195
78		9.5R	6 16.288	-0.0012	18	-22 14 37.19	0.029	18	0.34	16.308	16	33.6	37.66	16	33.6	K0 M	14	15557	E -2216213
79		9.4A	6 16.841	0.0126	18	-21 7 58.00	-0.017	12	0.30	16.634	16	33.6	57.73	16	33.6	K0 J	13A	9723	A -21 6366
80		9.0R	6 28.442	0.0009	18	-24 13 11.63	0.041	18	0.34	28.427	16	33.6	12.30	16	33.6	F8 J	14	15558	E -2417510
81		9.4R	6 29.383	-0.0020	18	-22 16 50.75	-0.042	18	0.34	29.415	16	33.6	50.06	16	33.6	G5 J	14	15559	E -2216214
82		8.6R	6 41.501	0.0008	18	-27 22 10.90	0.001	18	0.34	41.488	16	33.6	10.91	16	33.6	K0 J	13B	14810	J -2716200
83		3.8H	6 46.980	0.0038	01	-21 26 38.94	0.036	01	0.05	46.853	02	16.8	40.18	03	15.5	K0	F4	873	-21 6368
84		8.5R	6 59.544	0.0006	18	-23 22 15.96	0.020	18	0.34	59.534	16	33.6	16.29	16	33.6	K0 J	14	15561	E -2317767
85		9.5R	6 59.773	0.0021	18	-21 37 45.38	0.015	18	0.34	59.739	16	33.6	45.62	16	33.6	F8 J	14	15562	E -2216219
86		6.1T	7 2.800	0.0020	07	-28 21 35.96	0.013	06	0.31	2.711	09	06.1	36.54	10	04.6	K0	GC	32256	C -2818099
87		4.9T	7 14.783	0.0018	04	-22 43 43.97	-0.005	04	0.21	14.699	09	02.5	43.74	09	01.0	+++	GC	32262	C*-2317771
88		9.4R	7 17.137	0.0013	15	-25 23 35.09	0.002	15	0.29	17.115	16	33.6	35.12	16	33.6	K0 M	14	15564	E -2516301
89		8.4R	7 18.499	0.0050	18	-23 22 34.77	0.031	18	0.34	18.418	16	33.6	35.28	16	33.6	F0 J	14	15565	E -2317772
90		9.6R	7 18.997	-0.0046	21	-24 31 45.64	-0.070	21	0.38	19.073	16	33.6	44.50	16	33.6	G M	14	15566	E -2417518
91		9.6R	7 21.429	-0.0013	18	-24 59 53.09	0.026	18	0.34	21.449	16	33.6	53.52	16	33.6	G0 M	14	15567	E -2516305
92		9.4R	7 21.750	-0.0079	21	-23 56 44.69	0.029	21	0.38	21.879	16	33.6	45.16	16	33.6	G M	14	15568	E -2417519
93		7.8R	7 25.360	0.0013	20	-29 13 1.94	-0.004	20	0.36	25.339	16	33.6	1.87	16	33.6	K0 J	13B	14814	J -2918601
94		9.4R	7 30.407	-0.0013	15	-25 45 38.80	0.006	15	0.29	30.428	16	33.6	38.90	16	33.6	K2 M	14	15569	E -2616502
95		8.3R	7 33.421	-0.0005	18	-27 33 33.43	-0.012	18	0.34	33.430	16	33.6	33.23	16	33.6	G5 J	13B	14815	J -2716203
96		9.1R	7 34.571	0.0004	20	-26 13 43.93	0.063	20	0.36	34.564	16	33.6	44.96	16	33.6	K5 J	14	15570	E -2616503
97		9.6R	7 40.376	-0.0002	20	-25 18 37.08	0.028	20	0.36	40.378	16	33.6	37.53	16	33.6	G5 M	14	15571	E -2516309
98		8.6R	7 42.444	-0.0012	18	-24 31 19.76	0.056	18	0.34	42.463	16	33.6	20.68	16	33.6	K0 J	14	15572	E -2417522
99		8.2R	7 48.620	-0.0015	17	-28 41 59.90	-0.008	17	0.31	48.645	16	33.6	59.77	16	33.6	F8 J	13B	14816	J -2918604
00		9.2R	7 50.056	0.0018	20	-25 59 48.75	0.004	20	0.36	50.026	16	33.6	48.81	16	33.6	G5 J	14	15573	E -2616507

191700 — EPOCH 1950 — ORIGINAL EPOCH — -20° 23H

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	DM NUMBER
1		9.2R	23 7 58.512	0.0022	12	-25 10 38.49	-0.029	12	0.25	58.476	16	33.6	38.01	16	33.6	F8 J	14	15575	E -2516311
2		9.2R	8 0.203	0.0024	20	-28 7 7.26	0.009	20	0.36	0.164	16	33.6	7.40	16	33.6	G5 M	13B	14817	J -2818103
3		6.5T	8 4.681	-0.0026	06	-29 47 45.32	-0.054	07	0.30	4.791	09	07.6	43.02	10	07.1	F0	GC	32285	C -3019460
4		8.4R	8 9.966	0.0058	20	-28 18 30.63	0.014	20	0.36	9.872	16	33.6	30.85	16	33.6	G0 J	13B	14820	J -2818104
5		8.3A	8 11.931	0.0001	20	-21 17 21.65	-0.002	15	0.33	11.929	16	33.6	21.61	16	33.6	G5 J	13A	9733	A -21 6372
6		9.0R	8 13.953	0.0012	15	-24 59 51.45	0.051	15	0.29	13.933	16	33.6	52.29	16	33.6	G0 J	14	15577	E -2516314
7		9.1R	8 16.906	-0.0003	15	-21 52 26.03	0.015	15	0.29	16.911	16	33.6	26.27	16	33.6	K0 J	14	15578	E -2216224
8		9.2R	8 25.248	0.0058	20	-26 34 2.81	-0.021	15	0.33	25.154	16	33.6	2.46	16	33.6	F5 M	14	15579	E -2616513
9		8.1T	8 30.747	-0.0032	12	-27 11 12.47	-0.055	12	0.65	30.915	15	97.3	9.44	17	95.0	G0	GC	32296	C -2716209
10		9.0T	8 32.668	0.0007	13	-27 9 42.37	-0.014	13	0.71	32.631	18	98.8	41.63	18	97.9	G0	GC	32297	C -2716210
11		9.3R	8 42.339	0.0012	15	-25 25 17.73	-0.005	15	0.29	42.320	16	33.6	17.64	16	33.6	K0 M	14	15580	E -2516323
12		9.5R	8 44.834	-0.0019	15	-23 58 0.70	0.024	15	0.29	44.866	16	33.6	1.09	16	33.6	A2 J	14	15581	E -2417527
13		9.0A	8 56.666	0.0039	20	-21 16 29.23	-0.001	15	0.33	56.603	16	33.6	29.20	16	33.6	R0 J	13A	9738	A -21 6376
14		9.4R	8 57.478	0.0030	20	-27 48 19.22	0.016	20	0.36	57.429	16	33.6	19.48	16	33.6	F8 M	13B	14825	J -2818109
15		8.8R	9 3.309	0.0002	18	-22 0 26.76	0.008	18	0.34	3.306	16	33.6	26.88	16	33.6	K2 J	14	15582	E -2216231
16		9.5R	9 8.890	-0.0009	18	-22 29 23.98	-0.008	18	0.34	8.905	16	33.6	23.84	16	33.6	K0 J	14	15583	E -2216232
17		9.0R	9 26.543	0.0023	12	-27 57 13.66	-0.011	12	0.25	26.506	16	33.6	13.48	16	33.6	K0 J	13B	14829	J -2818112
18		8.7R	9 28.711	0.0010	12	-25 40 33.10	0.013	12	0.25	28.694	16	33.6	33.31	16	33.6	A5 J	14	15584	E -2616523
19		8.0R	9 49.830	0.0065	18	-24 5 28.78	-0.006	18	0.34	49.723	16	33.6	28.68	16	33.6	F5 J	14	15585	E -2417535
20		9.4A	9 51.156	0.0021	20	-21 23 4.58	0.044	15	0.33	51.121	16	33.6	5.30	16	33.6	B8 J	13A	9744	A -21 6378
21		9.6R	9 53.617	-0.0112	20	-24 32 18.88	-0.003	20	0.36	53.801	16	33.6	18.83	16	33.6	G0 M	14	15586	E -2417536
22		9.1R	9 55.202	0.0019	18	-23 16 49.89	-0.010	18	0.34	55.171	16	33.6	49.73	16	33.6	F2 J	14	15587	E -2317793
23		9.4R	9 57.878	0.0000	18	-22 53 43.24	-0.035	18	0.34	57.878	16	33.6	42.68	16	33.6	G0 J	14	15588	E -2317794
24		9.2A	10 1.386	0.0009	20	-20 50 15.60	0.036	15	0.33	1.372	16	33.6	16.18	16	33.6	F5 J	13A	9746	A -21 6381
25		8.5R	10 6.918	-0.0007	15	-22 12 38.20	0.026	15	0.29	6.929	16	33.6	38.63	16	33.6	G0 J	14	15590	E -2216236
26		9.0R	10 7.673	-0.0006	20	-26 7 49.52	-0.009	20	0.36	7.683	16	33.6	49.37	16	33.6	G0 J	14	15589	E -2616527
27		9.0R	10 15.584	0.0028	20	-27 1 20.40	0.003	20	0.36	15.538	16	33.6	20.44	16	33.6	G5 J	13B	14831	J -2716220
28		8.3R	10 23.550	0.0050	18	-24 22 40.35	0.019	18	0.34	23.468	16	33.6	40.65	16	33.6	F2 J	14	15591	E -2417542
29	9.9	9.2W	10 24.372	-0.0002	21	-29 51 8.69	-0.019	21	0.43	24.375	22	32.3	8.35	21	32.3	G5	C7	12513	C -3019476
30		9.0R	10 28.714	0.0030	12	-28 18 8.71	0.005	12	0.25	28.666	16	33.6	8.79	16	33.6	K0 J	13B	14834	J -2818117
31		8.8R	10 31.453	0.0016	20	-25 49 18.94	0.048	20	0.36	31.427	16	33.6	19.72	16	33.6	K2 J	14	15592	E -2616530
32		8.6R	10 34.034	0.0007	12	-26 40 20.95	-0.016	12	0.25	34.022	16	33.6	20.69	16	33.6	K0 J	14	15593	E -2716222
33		8.1R	10 36.726	0.0058	12	-28 41 11.34	-0.022	12	0.25	36.632	16	33.6	10.98	16	33.6	F5 J	13B	14836	J -2918619
34		9.2R	10 36.729	-0.0042	16	-21 40 1.37	-0.034	18	0.34	36.799	16	33.6	0.81	16	33.6	F5 J	14	15594	E -2216238
35		7.9R	10 50.626	0.0015	15	-26 48 47.78	-0.012	15	0.29	50.602	16	33.6	47.58	16	33.6	K0 J	13B	14837	J -2716223
36	8.1	8.7W	10 53.928	0.0047	21	-29 54 42.68	0.038	21	0.43	53.845	22	32.3	43.35	21	32.3	A0	C7	12519	C -3019482
37		9.5R	10 56.078	0.0004	17	-22 14 3.72	0.013	17	0.31	56.072	16	33.6	3.93	16	33.6	G0 M	14	15595	E -2216241
38		9.2R	10 59.179	-0.0017	12	-21 45 59.25	0.003	12	0.25	59.208	16	33.6	59.29	16	33.6	K0 J	14	15596	E -2216242
39		9.0R	11 2.907	-0.0014	20	-27 34 44.71	0.062	20	0.36	2.929	16	33.6	45.72	16	33.6	K0 J	13B	14839	J -2716225
40		9.6R	11 16.006	-0.0001	18	-21 47 0.58	-0.000	18	0.34	16.008	16	33.6	0.58	16	33.6	K2 J	14	15597	E -2216243
41		9.3R	11 21.387	-0.0017	15	-23 53 58.09	-0.003	15	0.29	21.415	16	33.6	58.04	16	33.6	K0 M	14	15598	E -2417552
42		8.7R	11 22.988	-0.0008	18	-23 26 34.47	0.040	18	0.34	23.002	16	33.6	35.13	16	33.6	F5 J	14	15599	E -2317802
43		8.7R	11 43.291	-0.0037	18	-22 39 0.52	-0.029	18	0.34	43.351	16	33.6	0.05	16	33.6	F8 J	14	15600	J -2316200
44		8.5R	11 45.540	0.0003	12	-27 19 10.16	-0.040	12	0.25	45.535	16	33.6	9.50	16	33.6	K0 J	13B	14841	J -2716232
45		8.1T	11 51.009	-0.0003	13	-28 43 51.61	-0.007	10	0.60	51.025	17	02.7	51.24	17	00.6	G5	GC	32347	C -2918624
46		8.4A	11 56.368	0.0025	20	-20 17 28.52	0.022	15	0.33	56.327	16	33.6	28.89	16	33.6	K0 J	13A	9753	A -20 6560
47	10.0	9.4W	11 57.103	-0.0035	21	-29 58 29.46	-0.034	21	0.43	57.165	22	32.3	28.85	21	32.3	K0	C7	12524	C -3019484
48		8.5R	11 59.402	0.0026	18	-21 52 7.69	0.026	18	0.34	59.360	16	33.6	8.11	16	33.6	K0 J	14	15601	E -2216246
49		9.3R	12 1.871	0.0020	12	-27 51 33.84	0.011	12	0.25	1.839	16	33.6	34.02	16	33.6	G5 J	13B	14846	J -2818122
50		7.7R	12 4.228	-0.0013	15	-25 50 8.50	-0.036	15	0.29	4.249	16	33.6	7.91	16	33.6	K0 J	14	15602	E -2616547
51		9.0R	23 12 6.806	0.0001	18	-24 6 16.57	0.006	18	0.34	6.805	16	33.6	16.66	16	33.6	F5 J	14	15603	E -2417557
52		9.2R	12 7.461	-0.0038	15	-24 43 39.69	-0.020	15	0.29	7.522	16	33.6	39.37	16	33.6	G5 M	14	15604	E -2516349
53		9.2R	12 10.069	-0.0033	18	-22 24 55.76	-0.016	18	0.34	10.124	16	33.6	55.50	16	33.6	K2 J	14	15605	E -2216247
54		8.5R	12 14.745	0.0014	12	-25 29 14.23	0.027	12	0.25	14.722	16	33.6	14.67	16	33.6	F8 J	14	15606	E -2516350
55		9.0R	12 17.227	0.0016	18	-22 23 55.49	-0.003	18	0.34	17.201	16	33.6	55.44	16	33.6	K0 J	14	15607	E -2216250
56		9.5R	12 22.792	-0.0019	18	-22 11 35.98	0.009	18	0.34	22.823	16	33.6	36.13	16	33.6	G5 J	14	15608	E -2216251
57		9.5R	12 27.464	0.0031	18	-22 2 55.65	0.016	18	0.34	27.414	16	33.6	55.90	16	33.6	K M	14	15609	E -2216252
58		9.1A	12 32.786	0.0017	15	-20 25 44.56	0.013	11	0.26	32.758	16	33.6	44.78	16	33.6	F5 J	13A	9757	A -20 6563
59		9.3A	12 39.190	-0.0094	20	-20 47 9.36	-0.112	15	0.33	39.344	16	33.6	7.53	16	33.6	G5 J	13A	9758	A -21 6387
60		7.1T	12 39.329	-0.0006	12	-25 7 30.49	-0.025	14	0.65	39.360	17	02.1	29.27	19	02.0	A3	GC	32364	C*-2516354
61		9.0R	12 40.566	-0.0002	18	-22 44 10.40	0.022	18	0.34	40.569	16	33.6	10.77	16	33.6	K2 J	14	15611	E -2317889
62		9.2R	12 46.534	0.0036	12	-27 46 34.11	-0.122	12	0.25	46.475	16	33.6	32.44	16	33.6	G5 J	13B	14849	J -2818128
63		8.8R	12 59.369	-0.0020	18	-22 7 26.15	-0.008	18	0.34	59.402	16	33.6	24.70	16	33.6	G5 M	14	15612	E -2216257
64		8.8R	13 0.330	0.0047	18	-21 35 54.19	0.033	18	0.34	0.253	16	33.6	54.73	16	33.6	A3 J	14	15613	E -2216256
65		8.4R	13 2.208	-0.0021	18	-27 27 4.94	-0.015	18	0.34	2.242	16	33.6	4.69	16	33.6	A0 J	13B	14851	J -2716244
66		8.6R	13 2.805	0.0028	18	-22 32 8.00	-0.036	18	0.34	2.760	16	33.6	7.42	16	33.6	F5 J	14	15614	E -2216258
67		9.2R	13 6.055	-0.0051	15	-28 5 2.65	-0.029	13	0.27	6.138	16	33.6	2.17	16	33.6	G0 J	13B	14852	J -2818129
68		9.2R	13 10.722	0.0023	15	-25 31 19.34	-0.005	15	0.29	10.685	16	33.6	19.26	16	33.6	K0 M	14	15615	E -2516359
69		9.0R	13 17.208	-0.0010	17	-27 45 13.78	0.028	17	0.31	17.224	16	33.6	14.23	16	33.6	G0 M	13B	14853	J -2818132
70		8.8R	13 18.182	-0.0013	20	-26 11 14.95	0.012	20	0.36	18.204	16	33.6	15.14	16	33.6	K0 J	14	15616	E -2616555
71		9.1A	13 20.157	0.0009	20	-20 33 52.54	-0.007	15	0.33	20.142	16	33.6	52.42	16	33.6	A2 J	13A	9761	A -21 6392
72		9.0A	13 21.926	-0.0003	17	-20 0 26.00	-0.015	12	0.28	21.931	16	33.6	25.75	16	33.6	G5 J	13A	9762	A -20 6566
73		9.5R	13 28.807	0.0025	15	-23 44 25.98	-0.028	15	0.29	28.766	16	33.6	25.52	16	33.6	G5 J	14	15617	E -2417573
74		8.9R	13 31.766	0.0068	12	-28 39 14.75	-0.146	12	0.25	31.655	16	33.6	12.35	16	33.6	G0 J	13B	14854	J -2918636
75		9.2R	13 33.367	-0.0003	18	-25 38 0.59	0.028	18	0.34	33.372	16	33.6	1.04	16	33.6	G5 J	14	15618	E -2616557
76		8.8R	13 42.046	0.0013	18	-26 38 18.75	-0.012	15	0.31	42.024	16	33.6	18.55	16	33.6	K0 J	14	15619	E -2716248
77		8.9R	13 44.238	-0.0036	12	-25 44 32.92	-0.010	12	0.25	44.296	16	33.6	32.75	16	33.6	K0 J	14	15620	E -2616558
78		7.5R	13 49.903	0.0025	20	-27 21 14.61	-0.023	20	0.36	49.861	16	33.6	14.23	16	33.6	K5 J	13B	14855	J -2716249
79		7.1T	13 50.141	-0.0041	13	-23 29 52.84	-0.007	12	0.69	50.352	18	98.8	52.47	18	96.0	A5	GC	32389	C*-2317821
80		9.3R	13 54.354	-0.0002	00	-24 39 54.15	-0.002	20	0.28	54.357	16	33.6	54.12	16	33.6	G0 M	14	15622	E -2516367
81		8.4R	13 56.966	0.0006	12	-24 52 17.39	0.008	12	0.25	56.956	16	33.6	17.52	16	33.6	A5 J	14	15623	E -2516368
82		8.0A	13 56.976	0.0020	20	-21 27 29.83	-0.083	15	0.33	56.943	16	33.6	28.47	16	33.6	K0 J	13A	9764	A -21 6396
83		7.2T	13 58.668	0.0028	10	-28 57 25.70	-0.012	08	0.53	58.521	15	96.9	25.01	15	94.5	K2	GC	32394	C*-2918640
84		9.5R	13 59.040	-0.0004	18	-22 56 11.87	0.003	18	0.34	59.047	16	33.6	11.93	16	33.6	K0 M	14	15625	E -2317822
85		9.2R	13 59.428	-0.0018	20	-25 12 26.98	-0.054	20	0.36	59.457	16	33.6	26.09	16	33.6	F8 M	14	15624	E -2516370
86		8.9A	13 59.753	0.0008	18	-20 14 5.91	-0.003	15	0.31	59.739	16	33.6	5.87	16	33.6	A0 J	13A	9765	A -20 6568
87		7.7A	14 10.782	0.0011	12	-21 28 32.22	-0.042	11	0.24	10.763	16	33.6	31.52	16	33.6	K0 J	13A	9766	A -21 6397
88		9.3R	14 11.795	-0.0033	18	-22 57 37.83	-0.010	18	0.34	11.849	16	33.6	37.67	16	33.6	K5 M	14	15626	E -2317824
89		9.3R	14 13.349	0.0016	15	-22 55 52.26	0.010	15	0.29	13.323	16	33.6	52.43	16	33.6	K0 M	14	15627	E -2317825
90		8.9R	14 20.573	0.0020	12	-29 34 37.04	0.013	12	0.25	20.540	16	33.6	37.26	16	33.6	F5 J	13B	14859	J -2918642
91		8.9R	14 26.521	0.0019	18	-24 15 1.24	-0.006	18	0.34	26.489	16	33.6	1.13	16	33.6	K2 J	14	15628	E -2417580
92		6.7T	14 27.828	0.0027	10	-28 42 35.78	-0.080	09	0.53	27.685	17	96.2	31.32	17	94.5	M0	GC	32411	C -2918644
93		9.0R	14 37.340	0.0015	18	-27 14 8.74	-0.020	18	0.34	37.316	16	33.6	8.41	16	33.6	F2 J	13B	14861	J -2716258
94		9.3R	14 38.047	0.0023	18	-24 40 27.29	0.006	18	0.34	38.009	16	33.6	27.39	16	33.6	K5 J	14	15629	E -2516377
95		8.0R	14 49.443	0.0002	18	-23 5 16.53	0.024	18	0.34	49.439	16	33.6	16.92	16	33.6	F5 J	14	15630	E -2317828
96		9.2R	14 55.655	0.0044	12	-29 26 43.72	0.023	12	0.25	55.583	16	33.6	44.10	16	33.6	G5 M	13B	14862	J -2918646
97		9.1R	15 0.237	0.0032	15	-22 53 8.78	0.000	15	0.29	0.185	16	33.6	8.79	16	33.6	F5 J	14	15631	E -2317829
98		9.4R	15 4.538	0.0086	18	-22 27 40.48	-0.037	18	0.34	4.598	16	33.6	39.87	16	33.6	G5 J	14	15632	E -2216271
99		8.6R	15 6.255	-0.0010	15	-25 43 42.56	0.001	15	0.29	6.272	16	33.6	42.57	16	33.6	F8 J	14	15633	E -2616571
00		9.4A	15 6.680	0.0011	15	-20 34 44.17	0.002	11	0.26	6.661	16	33.6	44.21	16	33.6	F5 J	13A	9773	A -21 6400

191800			EPOCH 1950									ORIGINAL EPOCH							SP.		SOURCE		-20° 23H
NUMBER	MAGNITUDES		α_{1950}	μ	σ_μ	δ_{1950}	μ'	σ'_μ	σ_{1950}	α_2	σ	ep.	δ_2	σ'	ep.			CAT.	STAR NUMBER	DM NUMBER
	m_{pg}	m_v	h m s	s	″.001	° ′ ″	″	″.001	″	s	″.01		″	″.01						
1		9.0R	23 15 10.880	0.0006	12	-28 30 1.91	-0.028	12	0.25	10.871	16	33.6	1.45	16	33.6	GO	J	13B	14864	J -2818143
2		9.0R	15 18.601	-0.0040	15	-24 53 50.51	-0.025	15	0.29	18.666	16	33.6	50.10	16	33.6	F5	J	14	15634	E -2516381
3		8.5R	15 22.174	-0.0027	15	-24 56 32.51	0.035	15	0.29	22.219	16	33.6	33.09	16	33.6	G5	J	14	15635	E -2516383
4		9.0R	15 31.703	-0.0034	12	-28 45 35.25	-0.040	12	0.25	31.758	16	33.6	34.59	16	33.6	F0	J	13B	14866	J -2918649
5		9.7R	15 34.107	-0.0026	20	-25 41 6.56	-0.010	20	0.36	34.149	16	33.6	6.39	16	33.6	G5	M	14	15636	E -2616575
6		8.3R	15 44.319	0.0012	15	-25 16 33.03	0.011	15	0.29	44.298	16	33.6	33.21	16	33.6	F8	J	14	15637	E -2516386
7		9.5R	15 44.407	-0.0004	15	-24 2 52.05	0.006	15	0.29	44.414	16	33.6	52.14	16	33.6	G0	J	14	15638	E -2417587
8		8.0T	15 48.790	0.0043	15	-28 44 59.98	-0.042	10	0.65	48.578	17	00.3	57.79	17	98.3	K0		GC	32443	C -2918650
9		9.1R	15 54.666	-0.0041	18	-24 54 10.02	-0.000	18	0.34	54.732	16	33.6	10.02	16	33.6	G5	M	14	15639	E -2516390
10		9.2R	16 7.101	0.0075	13	-29 43 9.75	-0.034	13	0.27	6.979	16	33.6	9.20	16	33.6	G5	J	13B	14868	J -3019506
11		8.9R	16 9.510	-0.0016	18	-26 29 54.73	-0.029	18	0.34	9.537	16	33.6	54.25	16	33.6	F2	J	14	15640	E -2616579
12		8.5R	16 10.971	0.0048	18	-22 24 24.54	-0.000	18	0.34	10.893	16	33.6	24.54	16	33.6	F8	J	14	15642	E -2216276
13		7.8R	16 11.772	0.0016	20	-26 12 58.83	0.021	15	0.33	11.747	16	33.6	59.17	16	33.6	K2	J	14	15641	E -2616580
14		8.0T	16 12.918	0.0048	11	-29 0 52.15	-0.007	12	0.64	12.667	15	97.4	51.75	17	95.5	A0		GC	32451	C -2918652
15		9.0R	16 22.007	-0.0007	12	-29 23 8.72	0.007	12	0.25	22.019	16	33.6	8.83	16	33.6	K0	J	13B	14871	J -2918653
16		6.7T	16 22.773	0.0007	07	-28 39 41.61	0.029	06	0.31	22.745	09	08.0	42.90	10	04.9	K5		GC	32460	C -2918654
17		9.1R	16 24.405	-0.0012	17	-29 39 55.23	0.033	17	0.31	24.425	16	33.6	55.78	16	33.6	K0	M	13B	14873	J -3019510
18		8.6R	16 24.475	0.0030	18	-25 45 6.82	-0.068	18	0.34	24.427	16	33.6	5.70	16	33.6	F0	J	14	15643	E -2616583
19		8.7R	16 28.530	0.0055	18	-24 33 28.74	-0.057	18	0.34	28.440	16	33.6	27.81	16	33.6	G0	J	14	15644	E -2417593
20		8.7R	16 51.162	0.0004	15	-26 43 35.17	-0.025	15	0.29	51.155	16	33.6	34.76	16	33.6	K2	J	14	15645	E -2716271
21		8.9A	16 54.764	0.0002	15	-20 58 38.66	-0.015	11	0.26	54.761	16	33.6	38.42	16	33.6	K0	J	13A	9780	A -21 6403
22		8.9R	16 59.436	0.0032	15	-25 26 58.59	-0.049	12	0.27	59.384	16	33.6	57.78	16	33.6	G5	J	14	15646	E -2516400
23		9.1R	16 59.454	0.0090	13	-29 0 19.96	-0.030	13	0.27	59.306	16	33.6	19.47	16	33.6	F2	J	13B	14876	J -2918658
24		8.1R	17 2.562	0.0034	18	-23 29 57.12	-0.028	18	0.34	2.506	16	33.6	56.67	16	33.6	K2	J	14	15647	E -2317852
25		9.3R	17 4.245	-0.0013	17	-28 19 39.12	-0.009	17	0.31	4.266	16	33.6	38.97	16	33.6	G0	M	13B	14878	J -2818151
26		9.3R	17 11.899	0.0025	12	-24 46 36.63	-0.042	12	0.25	11.858	16	33.6	35.94	16	33.6	G0	J	14	15648	E -2516404
27		9.3R	17 21.079	-0.0021	15	-24 39 13.87	0.018	15	0.29	21.113	16	33.6	14.17	16	33.6	K0	M	14	15649	E -2516405
28		7.8T	17 23.736	0.0046	13	-23 5 44.07	0.049	12	0.70	23.500	18	98.3	46.70	18	96.7	A5		GC	32483	C -2317854
29		9.6R	17 31.767	0.0010	20	-21 45 29.28	-0.033	20	0.36	31.751	16	33.6	28.74	16	33.6	K0	J	14	15651	E -2216288
30		9.2A	17 38.562	0.0029	15	-21 12 57.91	-0.008	11	0.26	38.514	16	33.6	57.77	16	33.6	G0	J	13A	9781	A -21 6405
31		9.0R	17 43.250	0.0014	20	-24 59 14.69	0.034	20	0.36	43.226	16	33.6	15.25	16	33.6	K2	J	14	15652	E -2516409
32		8.8A	17 48.432	0.0009	20	-20 18 4.76	-0.022	15	0.33	48.417	16	33.6	4.40	16	33.6	K2	J	13A	9782	A -20 6578
33		9.4R	17 51.576	0.0019	20	-25 29 47.48	-0.007	20	0.36	51.545	16	33.6	47.36	16	33.6	G5	M	14	15653	E -2516414
34		9.0R	18 6.021	-0.0040	18	-22 34 51.60	-0.095	18	0.34	6.086	16	33.6	50.05	16	33.6	G0	J	14	15655	E -2216291
35		9.0R	18 6.965	0.0013	20	-25 25 42.88	0.042	20	0.36	6.943	16	33.6	43.57	16	33.6	A0	J	14	15654	E -2516415
36		9.0R	18 8.313	0.0050	20	-28 55 28.47	-0.022	20	0.36	8.231	16	33.6	28.11	16	33.6	F8	J	13B	14882	J -2918666
37		8.7R	18 14.071	-0.0001	20	-27 57 4.82	-0.020	20	0.36	14.072	16	33.6	4.49	16	33.6	G5	J	13B	14883	J -2818159
38		8.0R	18 25.983	0.0032	12	-25 31 38.42	0.007	12	0.25	25.930	16	33.6	38.53	16	33.6	A3	J	14	15657	E -2516418
39		9.0R	18 27.406	-0.0043	20	-28 24 4.51	-0.006	20	0.36	27.477	16	33.6	4.41	16	33.6	G0	J	13B	14886	J -2818161
40		5.8H	18 35.845	-0.0010	02	-27 15 39.04	-0.009	02	0.10	35.875	05	17.9	38.75	05	16.7	G5		F4	1611	C -2716284
41		9.2R	18 36.252	0.0020	20	-28 5 23.17	-0.025	20	0.36	36.220	16	33.6	22.76	16	33.6	K5	J	13B	14889	J -2818162
42		9.0A	18 41.331	0.0019	20	-21 7 22.52	-0.022	15	0.33	41.301	16	33.6	22.16	16	33.6	G5	J	13A	9787	A -21 6408
43		8.3R	18 44.373	0.0107	15	-25 8 49.56	0.037	15	0.29	44.198	16	33.6	50.16	16	33.6	G5	J	14	15658	E -2516421
44		8.9A	18 56.190	0.0041	12	-20 34 11.40	-0.000	11	0.24	56.123	16	33.6	11.39	16	33.6	G0	J	13A	9789K	A -21 6409
45		8.7R	19 5.149	0.0047	18	-24 18 18.54	0.018	18	0.34	5.072	16	33.6	18.83	16	33.6	K5	J	14	15659	E -2417613
46	10.8	9.8W	19 30.557	0.0007	21	-29 52 24.05	-0.017	21	0.42	30.545	22	32.8	23.75	21	32.8	K2		C7	12583	C -3019526
47	10.4	9.9W	19 35.342	0.0004	21	-29 58 49.29	-0.002	21	0.42	35.334	22	32.8	49.25	21	32.8	G0		C7	12584	C -3019527
48		8.5R	19 40.875	-0.0000	18	-24 31 29.10	-0.011	18	0.34	40.875	16	33.6	28.62	16	33.6	G0	J	14	15660K	E -2417617
49		9.1A	19 42.907	0.0007	20	-20 11 28.48	0.007	15	0.33	42.895	16	33.6	28.59	16	33.6	K2	J	13A	9791	A -20 6582
50		8.7R	19 53.731	-0.0044	15	-26 45 22.03	-0.015	15	0.29	53.803	16	33.6	21.78	16	33.6	K0	J	13B	14897	J -2716290
51		9.3R	23 20 0.822	0.0045	12	-27 44 21.55	-0.000	12	0.25	0.748	16	33.6	21.54	16	33.6	F5	J	13B	14898	J -2818172
52		9.2R	20 10.932	0.0019	18	-26 27 48.29	-0.068	18	0.34	10.902	16	33.6	47.17	16	33.6	K0	M	14	15661	E -2616608
53		7.3T	20 11.892	0.0092	12	-23 43 33.01	-0.057	12	0.67	11.408	15	97.6	29.93	18	96.2	F0		GC	32536	C*-2417620
54		9.5R	20 12.281	0.0057	15	-22 32 6.28	-0.005	15	0.29	12.188	16	33.6	6.20	16	33.6	G5	J	14	15663	E -2216298
55		9.4R	20 15.864	0.0073	18	-24 18 36.06	0.062	18	0.34	15.745	16	33.6	37.08	16	33.6	G5	J	14	15664	E -2417624
56		8.4R	20 17.882	0.0035	18	-23 17 54.22	0.002	18	0.34	17.825	16	33.6	54.26	16	33.6	K0	J	14	15665	E -2317871
57		8.7R	20 19.533	-0.0002	18	-21 48 30.48	-0.087	18	0.34	19.536	16	33.6	29.06	16	33.6	F8	J	14	15666	E -2216300
58		4.2H	20 20.779	-0.0087	01	-20 22 25.51	-0.090	02	0.06	21.097	03	13.6	22.41	03	15.6	K0		F4	1612	-20 6587
59		8.5R	20 26.499	0.0056	18	-23 39 54.35	0.034	18	0.34	26.408	16	33.6	54.90	16	33.6	G5	J	14	15667	E -2417626
60		6.9A	20 28.552	0.0036	18	-21 35 22.48	-0.018	11	0.29	28.493	16	33.6	22.19	16	33.6	F5	J	13A	9796	A -22 6116
61		8.2R	20 34.370	-0.0044	15	-24 53 23.69	-0.049	15	0.29	34.442	16	33.6	22.89	16	33.6	G0	J	14	15668	E -2516435
62		9.6R	20 37.492	-0.0015	18	-23 50 38.97	0.005	18	0.34	37.517	16	33.6	39.05	16	33.6	K0	M	14	15669	E -2417629
63		8.6R	20 43.546	0.0105	15	-26 40 1.29	-0.023	15	0.29	43.374	16	33.6	0.91	16	33.6	G0	J	14	15670	E -2716297
64		8.4R	20 48.527	0.0006	17	-28 56 53.87	-0.049	17	0.31	48.518	16	33.6	53.07	16	33.6	F5	J	13B	14905	J -2918675
65		8.5R	20 54.459	0.0032	20	-29 16 29.79	0.014	20	0.36	54.407	16	33.6	30.02	16	33.6	F5	J	13B	14907	J -2918676
66		9.5R	20 59.644	0.0015	12	-24 39 2.67	0.020	12	0.25	59.619	16	33.6	3.00	16	33.6	G0	M	14	15671	E -2516437
67		8.5R	21 3.402	0.0060	12	-28 51 29.09	0.001	12	0.25	3.304	16	33.6	29.10	16	33.6	A2		13B	14909	J -2918680
68		9.5R	21 4.104	0.0019	18	-23 8 49.65	-0.001	18	0.34	4.073	16	33.6	49.64	16	33.6	K0	M	14	15672	E -2317876
69		8.5R	21 5.917	0.0006	18	-22 53 3.88	-0.022	18	0.34	5.907	16	33.6	3.53	16	33.6	G5	J	14	15673	E -2317877
70	10.4	9.7W	21 7.056	-0.0034	21	-29 54 54.96	-0.076	21	0.42	7.115	22	32.8	53.65	21	32.8	G5		C7	12600	C -3019533
71		8.6R	21 19.491	-0.0020	18	-22 36 9.55	0.004	18	0.34	19.524	16	33.6	9.63	16	33.6	G5	J	14	15674	E -2317881
72		7.4R	21 22.131	-0.0003	12	-27 33 20.85	0.001	12	0.25	22.136	16	33.6	20.86	16	33.6	B9	J	13B	14913	J -2716305
73		6.5T	21 26.088	-0.0051	04	-22 2 53.54	-0.084	03	0.17	26.286	07	10.8	49.28	09	99.5	F5		GC	32560K	B*-22 6119
74		9.7R	21 28.348	-0.0005	15	-22 49 46.08	0.000	15	0.29	28.356	16	33.6	46.09	16	33.6	G5	M	14	15676	E -2317883
75		8.8R	21 34.351	0.0022	18	-26 8 32.30	0.006	18	0.34	34.315	16	33.6	32.40	16	33.6	G0	J	14	15677	E -2616618
76		9.0R	21 40.179	0.0038	15	-25 29 59.14	0.007	15	0.29	40.116	16	33.6	59.25	16	33.6	K5	J	14	15678	E -2516443
77		9.0R	21 53.245	-0.0010	18	-25 38 34.32	-0.013	18	0.34	53.261	16	33.6	34.10	16	33.6	M0	M	14	15679	E -2616621
78		8.5A	21 59.455	0.0006	20	-20 39 53.68	0.002	15	0.33	59.446	16	33.6	53.70	16	33.6	K0	J	13A	9806	A -21 6416
79		8.4R	22 0.782	0.0018	18	-22 15 18.92	0.044	18	0.34	0.753	16	33.6	19.64	16	33.6	K0	J	14	15680	E -2216309
80		8.6R	22 2.512	0.0021	12	-27 59 57.94	0.001	12	0.25	2.478	16	33.6	57.95	16	33.6	K0	J	13B	14918	J -2818185
81		7.8R	22 3.520	0.0039	12	-27 37 38.57	-0.091	12	0.25	3.456	16	33.6	37.08	16	33.6	F8	J	13B	14919	J -2818186
82		8.0R	22 9.394	0.0034	18	-23 41 3.07	0.031	18	0.34	9.340	16	33.6	3.57	16	33.6	K0	J	14	15681	E -2216310
83		8.8R	22 11.491	0.0022	12	-26 17 1.78	-0.040	12	0.25	11.455	16	33.6	1.12	16	33.6	G5	J	14	15682	E -2616623
84		8.9A	22 14.003	0.0016	20	-20 33 24.74	-0.054	15	0.33	13.976	16	33.6	23.85	16	33.6	K0	J	13A	9809	A -21 6417
85		7.8R	22 19.881	0.0007	18	-22 46 37.96	-0.032	18	0.34	19.869	16	33.6	37.44	16	33.6	K0	J	14	15683	E -2317889
86		9.1R	22 25.560	0.0017	15	-25 42 6.08	-0.001	15	0.29	25.532	16	33.6	6.06	16	33.6	K0	J	14	15684	E -2616624
87		9.0R	22 27.379	-0.0031	13	-29 1 24.33	-0.016	13	0.27	27.430	16	33.6	24.07	16	33.6	G0	J	13B	14921	J -2918691
88		9.2R	22 30.699	0.0029	18	-23 41 41.81	0.011	18	0.34	30.852	16	33.6	41.99	16	33.6	K0	J	14	15685	E -2417641
89		9.1R	22 32.626	0.0004	17	-27 59 55.08	0.010	17	0.31	32.620	16	33.6	55.24	16	33.6	K0	J	13B	14922	J -2818191
90		9.1R	22 51.006	-0.0005	21	-24 17 34.05	-0.015	21	0.38	51.014	16	33.6	33.80	16	33.6	G0	J	14	15686	E -2417642
91		9.5R	22 52.819	0.0082	15	-25 25 32.34	0.013	15	0.29	52.684	16	33.6	32.56	16	33.6	K0	J	14	15687	E -2317892
92		9.0R	22 54.914	-0.0032	18	-21 55 55.39	0.017	18	0.34	54.967	16	33.6	55.67	16	33.6	F0	J	14	15688	E -2216316
93		8.8R	22 56.689	0.0005	12	-26 12 37.82	-0.016	12	0.25	56.681	16	33.6	37.56	16	33.6	K0	J	14	15689	E -2616626
94	9.8	9.0W	22 57.894	0.0040	21	-29 49 30.13	-0.028	21	0.42	57.825	22	32.8	29.65	21	32.8	G5		C7	12613	C -3019544
95		9.3R	23 3.203	0.0007	18	-24 12 49.58	-0.006	18	0.34	3.191	16	33.6	49.47	16	33.6	G5	J	14	15690	E -2417645
96		9.1R	23 8.768	-0.0004	18	-23 28 52.14	-0.035	18	0.34	8.775	16	33.6	51.57	16	33.6	K0	J	14	15691	E -2317894
97		8.9R	23 12.702	0.0044	12	-29 12 34.51	-0.010	12	0.25	12.630	16	33.6	34.34	16	33.6	G0	J	13B	14926	J -2918698
98		8.3Q	23 15.338	-0.0014	14	-20 53 20.11	-0.185	09	0.62	15.406	19	01.6	10.43	18	97.5	G0		GC	32591	-21 6419
99		8.7R	23 22.120	0.0038	18	-22 47 38.65	0.025	18	0.34	22.058	16	33.6	39.07	16	33.6	F5	J	14	15692	E -2317897
00		4.5T	23 25.298	-0.0038	03	-20 54 58.53	-0.054	03	0.15	25.476	07	03.2	56.02	07	03.9	K5		GC	32594	B*-21 6420

191900			EPOCH 1950								ORIGINAL EPOCH						SP.	SOURCE		-20° 23H
NUMBER	MAGNITUDES		α_{1950}	μ	σ_μ	δ_{1950}	μ'	$\sigma_{\mu'}$	σ_{1950}		α_2	σ	ep.	δ_2	σ'	ep.		CAT.	STAR NUMBER	
	m_{pg}	m_v	h m s	s	″.001	° ′ ″	″	″.001	″		s	″.01		″	″.01					DM NUMBER
1		9.1R	23 23 27.588	0.0020	17	-29 29 30.25	0.004	17	0.31		27.556	16	33.6	30.31	16	33.6	GO J	13B	14928	J -2918699
2		8.7R	23 32.134	0.0030	15	-26 46 26.68	-0.049	15	0.29		32.085	16	33.6	25.87	16	33.6	GO J	13B	14929	J -2716313
3		6.7T	23 32.879	-0.0072	11	-27 41 59.55	0.032	10	0.58		32.502	15	97.9	1.30	18	95.0	KO	GC	32596	C -2818199
4		8.2R	23 42.189	-0.0022	18	-23 20 48.68	-0.032	18	0.34		42.224	16	33.6	48.16	16	33.6	KO J	14	15694	E -2317898
5		9.4T	23 44.552	0.0023	20	-23 0 58.69	0.008	17	0.89		44.448	22	04.2	59.09	22	02.1	KO	GC	32600	C -2317899
6		8.5T	23 53.413	0.0006	14	-21 27 55.94	0.005	09	0.62		53.384	18	01.8	56.22	17	98.8	KO	GC	32604	-21 6421
7		6.6T	23 57.435	0.0038	04	-22 0 57.42	0.010	04	0.22		57.267	09	01.0	57.68	09	02.4	KO	GC	32606K	B✱-22 6128
8		8.7R	24 15.988	0.0043	18	-25 57 9.57	-0.035	18	0.34		15.918	16	33.6	8.99	16	33.6	GS J	14	15698	E -2616639
9		7.3T	24 23.184	0.0031	14	-22 59 54.80	0.007	12	0.71		23.029	18	99.5	55.18	18	97.0	KO	GC	32622	C✱-2317904
10		9.0A	24 25.328	0.0021	18	-21 29 43.25	0.002	12	0.30		25.294	16	33.6	43.29	16	33.6	K2 J	13A	9819	A -22 6131
11		9.0R	24 25.543	0.0016	18	-22 20 50.61	0.026	18	0.34		25.518	16	33.6	51.04	16	33.6	F8 J	14	15700	E -2216323
12		9.4R	24 26.858	0.0037	20	-26 14 52.16	0.002	20	0.36		26.797	16	33.6	52.19	16	33.6	K M	14	15701	E -2616640
13		9.5R	24 35.398	0.0039	18	-23 51 55.62	0.039	18	0.34		35.334	16	33.6	56.25	16	33.6	F8 J	14	15702	E -2417661
14		9.2R	24 36.058	-0.0030	18	-22 22 26.84	0.002	18	0.34		36.108	16	33.6	26.87	16	33.6	F8 J	14	15703	E✱-2216324
15		8.8R	24 37.673	0.0017	18	-27 15 29.81	-0.056	18	0.34		37.646	16	33.6	28.89	16	33.6	G5 J	13B	14931	J -2716319
16		8.4R	24 40.567	0.0008	13	-28 19 14.47	0.004	13	0.27		40.555	16	33.6	14.53	16	33.6	KO J	13B	14932	J -2818204
17		9.3R	24 47.065	-0.0050	18	-23 59 32.15	0.013	18	0.34		47.147	16	33.6	32.36	16	33.6	GO J	14	15704	E -2417666
18		8.2R	24 53.593	0.0012	12	-24 44 52.79	-0.014	12	0.25		53.574	16	33.6	52.56	16	33.6	G5 J	14	15705	E -2516463
19		7.3T	24 54.130	0.0086	15	-27 33 12.47	0.027	13	0.75		53.692	18	99.2	13.87	18	97.6	FO	GC	32632	C✱-2716320
20		9.3R	24 54.666	0.0049	18	-24 4 39.71	-0.057	18	0.34		54.586	16	33.6	38.78	16	33.6	GO J	14	15706	E -2417670
21		9.1R	24 55.008	0.0011	20	-26 47 39.50	-0.011	20	0.36		55.008	16	33.6	39.32	16	33.6	F2 J	13B	14934	J -2716321
22		9.0R	24 55.222	0.0054	18	-24 30 52.07	-0.018	18	0.34		55.133	16	33.6	51.78	16	33.6	G5 J	14	15707	E -2417668
23		9.0R	24 55.471	-0.0000	18	-26 14 13.07	-0.038	18	0.34		55.471	16	33.6	12.44	16	33.6	KO J	14	15708	E -2616646
24		8.2R	25 5.437	0.0010	13	-29 47 38.78	0.013	13	0.27		5.420	16	33.6	39.00	16	33.6	K2 J	13B	14936	J -3019559
25		9.4A	25 6.153	0.0011	18	-20 9 47.18	-0.009	15	0.31		6.134	16	33.6	47.04	16	33.6	GO J	13A	9823	A -20 6597
26		9.3R	25 14.866	-0.0018	15	-24 50 13.81	0.026	15	0.29		14.895	16	33.6	14.24	16	33.6	G5 J	14	15709	E -2516468
27		9.1R	25 15.274	0.0016	18	-23 6 35.65	-0.023	18	0.34		15.248	16	33.6	35.28	16	33.6	KO J	14	15710	E -2317910
28		7.8R	25 17.854	0.0098	20	-26 43 45.69	-0.049	20	0.36		17.695	16	33.6	44.89	16	33.6	F8 J	13B	14938	J -2716325
29		9.1R	25 31.695	-0.0005	20	-24 46 26.32	0.026	20	0.36		31.702	16	33.6	26.75	16	33.6	F8 J	14	15711	E -2516470
30		9.4R	25 42.921	0.0020	15	-22 46 53.70	0.006	15	0.29		42.889	16	33.6	53.81	16	33.6	G5 J	14	15712	E -2317911
31		6.9T	25 47.035	-0.0010	06	-25 41 44.66	-0.001	07	0.28		47.081	09	05.3	44.61	09	07.5	A3	GC	32654	C -2616654
32		8.9A	25 50.132	0.0019	18	-20 25 43.76	-0.021	15	0.31		50.101	16	33.6	43.42	16	33.6	K2 J	13A	9825	A -20 6601
33		8.9A	25 52.081	0.0064	18	-20 44 40.42	-0.097	12	0.30		51.976	16	33.6	38.62	16	33.6	F8 J	13A	9826	A -21 6423
34		9.6R	26 2.499	-0.0014	18	-24 27 11.58	0.027	18	0.34		2.522	16	33.6	12.01	16	33.6	F8 M	14	15714	E -2417683
35		8.2R	26 2.987	0.0006	18	-21 44 37.96	0.013	18	0.34		2.978	16	33.6	38.16	16	33.6	KO J	14	15715	E -2216331
36		9.4R	26 3.782	0.0101	13	-29 23 35.14	0.016	17	0.29		3.617	16	33.6	35.40	16	33.6	G5 M	13B	14941	J -2918710
37		8.8R	26 17.054	-0.0041	18	-25 45 57.00	-0.011	15	0.31		17.122	16	33.6	56.82	16	33.6	KO J	14	15716	E -2616662
38		9.2R	26 18.707	-0.0063	18	-23 37 24.72	-0.031	18	0.34		18.810	16	33.6	24.20	16	33.6	KO J	14	15717	E -2417684
39		9.0R	26 21.504	0.0005	20	-24 37 15.34	0.022	20	0.36		21.496	16	33.6	15.70	16	33.6	F2 M	14	15718	E -2516475
40		7.6R	26 27.696	-0.0026	17	-28 32 21.72	-0.045	17	0.31		27.739	16	33.6	20.98	16	33.6	F5 J	13B	14943	J -2818220
41		9.0R	26 32.804	-0.0014	13	-29 9 34.76	-0.045	13	0.27		32.827	16	33.6	34.02	16	33.6	K2 J	13B	14944	J -2918714
42		8.9R	26 33.315	-0.0011	18	-23 31 10.48	-0.017	18	0.34		33.333	16	33.6	10.19	16	33.6	F8 J	14	15719	E -2317919
43		8.4R	26 35.404	0.0011	18	-22 25 22.99	0.025	18	0.34		35.386	16	33.6	23.39	16	33.6	F2 J	14	15720	E -2216337
44		8.6R	26 37.042	0.0006	12	-27 22 13.61	0.019	12	0.25		37.032	16	33.6	13.92	16	33.6	F0 J	13B	14945	J -2716329
45		8.6R	26 38.467	0.0071	12	-27 52 22.93	-0.046	12	0.25		38.351	16	33.6	22.17	16	33.6	F5 J	13B	14946	J -2818221
46		8.0R	26 47.756	0.0005	18	-24 18 52.05	0.038	18	0.34		47.747	16	33.6	52.66	16	33.6	A2 J	14	15721	E -2417687
47		9.0R	26 54.127	0.0026	18	-23 20 0.08	-0.037	18	0.34		54.084	16	33.6	59.48	16	33.6	F8 J	14	15722	E -2317924
48		8.8R	26 54.610	-0.0033	18	-22 27 11.75	-0.106	18	0.34		54.665	16	33.6	10.01	16	33.6	G0 J	14	15723	E -2216339
49		8.8A	27 9.562	0.0029	20	-20 34 38.35	0.027	15	0.33		9.514	16	33.6	38.78	16	33.6	K5 J	13A	9831	A -21 6426
50		9.5R	27 11.239	-0.0073	20	-26 18 21.30	-0.100	20	0.36		11.358	16	33.6	19.66	16	33.6	A2 J	14	15724	E -2616667
51		8.3A	23 27 16.981	-0.0007	20	-21 51 5.76	0.022	15	0.33		16.993	16	33.6	6.13	16	33.6	F2 J	13A	9833K	A -21 6428
52		8.7A	27 28.111	0.0008	18	-20 26 50.28	-0.007	15	0.31		28.097	16	33.6	50.17	16	33.6	K5 J	13A	9834	A -20 6606
53		8.7R	27 36.677	-0.0019	15	-22 47 17.85	-0.154	15	0.29		36.707	16	33.6	15.34	16	33.6	GO J	14	15726	E -2317929
54		7.5T	27 38.360	0.0039	13	-22 9 33.73	0.029	12	0.68		38.161	15	99.4	35.26	18	96.6	F2	GC	32681	-22 6138
55		9.4R	27 42.191	0.0010	20	-27 30 10.06	-0.059	20	0.36		42.175	16	33.6	9.09	16	33.6	F8 J	13B	14955	J -2716334
56		8.5R	27 53.201	0.0036	18	-22 17 3.54	-0.016	18	0.34		53.143	16	33.6	3.28	16	33.6	K2 J	14	15728	E -2216342
57		9.5R	28 1.746	-0.0016	18	-22 33 3.36	-0.010	18	0.34		1.772	16	33.6	3.20	16	33.6	G0 J	14	15730	E -2216343
58		7.5T	28 2.085	0.0042	07	-24 28 20.70	0.043	07	0.32		1.909	10	08.4	22.54	10	06.9	GO	GC	32689	C✱-2417702
59	9.9	9.5W	28 3.850	-0.0067	21	-29 49 43.48	0.051	21	0.42		3.964	22	32.8	44.35	21	32.8	GO	C7	12638	C -3019579
60		9.0R	28 7.527	0.0028	18	-23 19 10.75	-0.047	18	0.34		7.481	16	33.6	9.99	16	33.6	F8 J	14	15731	E -2317934
61		8.4R	28 10.428	0.0047	15	-27 34 5.70	0.073	15	0.29		10.352	16	33.6	6.89	16	33.6	G0 J	13B	14957	J -2716339
62		9.5R	28 15.646	-0.0015	20	-25 12 56.71	0.040	20	0.36		15.670	16	33.6	57.36	16	33.6	K M	14	15732	E -2516484
63		9.2R	28 29.106	0.0014	15	-24 39 55.38	0.012	15	0.29		29.082	16	33.6	55.58	16	33.6	G5 J	14	15733	E -2516487
64		9.0R	28 34.862	0.0071	12	-27 39 5.91	-0.056	12	0.25		34.745	16	33.6	4.99	16	33.6	G0 J	13B	14960	J -2818227
65		9.3R	28 35.494	0.0028	18	-23 4 7.26	-0.009	18	0.34		35.447	16	33.6	7.12	16	33.6	F8 J	14	15734	E -2317937
66		8.4R	28 52.358	0.0017	13	-29 13 11.21	-0.027	13	0.27		52.331	16	33.6	10.76	16	33.6	K5 J	13B	14962K	J -2918729
67		9.4R	28 55.613	-0.0010	18	-26 27 30.18	0.013	18	0.34		55.629	16	33.6	30.39	16	33.6	KO J	14	15735	E -2616680
68		9.3R	28 58.741	0.0017	15	-24 31 9.62	0.008	15	0.29		58.712	16	33.6	9.75	16	33.6	KO J	14	15736	E -2417709
69		8.7R	29 2.110	-0.0035	15	-24 49 45.69	-0.140	15	0.29		2.167	16	33.6	47.98	16	33.6	G0 J	14	15737	E -2516494
70		6.2T	29 4.853	-0.0003	05	-21 38 44.06	0.007	04	0.24		4.866	10	03.6	44.39	10	00.6	FO	GC	32714	B✱-22 6141
71		7.2T	29 11.313	-0.0050	08	-21 31 32.26	-0.016	07	0.45		11.589	15	94.4	31.32	15	91.8	FO	GC	32717	-22 6142
72		6.7T	29 18.087	0.0004	12	-26 1 13.55	0.038	11	0.63		18.087	18	98.3	15.64	18	94.8	KO	GC	32722	C -2616683
73		9.0R	29 18.225	0.0111	20	-26 6 26.01	-0.086	20	0.36		18.043	16	33.6	24.60	16	33.6	G5 M	14	15740	E -2616682
74		9.1R	29 20.318	-0.0028	20	-25 53 18.22	-0.002	20	0.36		20.364	16	33.6	18.18	16	33.6	K2 J	14	15742	E -2616684
75		9.0R	29 22.367	-0.0018	20	-27 24 57.74	-0.028	20	0.36		22.396	16	33.6	57.28	16	33.6	KO J	13B	14964	J -2716345
76		8.1R	29 31.232	-0.0061	18	-22 4 41.80	0.069	18	0.34		31.332	16	33.6	42.93	16	33.6	G5 J	14	15743	E -2216353
77		9.0R	29 35.352	0.0034	18	-26 59 47.46	-0.004	20	0.36		35.296	16	33.6	47.39	16	33.6	KO J	13B	14965	J -2716346
78		9.4R	29 39.369	-0.0014	18	-23 55 54.69	0.007	18	0.34		39.391	16	33.6	54.80	16	33.6	F8 J	14	15744	E -2417718
79		9.1R	29 40.545	0.0025	12	-25 7 8.79	0.031	12	0.25		40.503	16	33.6	9.29	16	33.6	KO J	14	15745	E -2516504
80		8.7R	29 49.809	-0.0035	17	-25 12 29.40	-0.025	17	0.31		49.866	16	33.6	28.99	16	33.6	GO J	14	15746	E -2516507
81		9.0R	29 57.640	0.0027	18	-22 25 13.40	-0.006	18	0.34		57.596	16	33.6	13.30	16	33.6	KO J	14	15747	E -2216357
82		8.2R	30 13.493	0.0016	18	-21 57 50.03	-0.008	18	0.34		13.466	16	33.6	49.89	16	33.6	G5 J	14	15748	E -2216358
83		9.0R	30 14.142	-0.0002	20	-28 37 58.71	-0.199	20	0.36		14.145	16	33.6	55.46	16	33.6	GO J	13B	14967	J -2918739
84		7.8A	30 28.665	0.0012	20	-20 21 52.80	-0.040	15	0.33		28.645	16	33.6	52.15	16	33.6	F8 J	13A	9848	A -20 6613
85		9.1R	30 36.377	0.0002	17	-29 35 42.41	-0.044	17	0.31		36.374	16	33.6	41.69	16	33.6	GO J	13B	14969	J -3019594
86		8.6R	30 36.528	-0.0012	17	-28 57 10.87	-0.102	17	0.31		36.548	16	33.6	9.21	16	33.6	F5 J	13B	14970	J -2918741
87		9.4R	30 39.330	0.0011	18	-24 29 10.34	0.001	18	0.34		39.313	16	33.6	10.34	16	33.6	G5 M	14	15749	E -2417731
88		4.8T	30 39.734	-0.0006	02	-21 11 27.66	0.017	03	0.14		39.763	05	00.6	28.46	06	03.7	AO	GC	32750	B✱-21 6437
89		9.2R	30 52.112	0.0093	12	-26 35 22.87	-0.102	12	0.25		51.960	16	33.6	21.20	16	33.6	GO J	14	15750	E -2716355
90		8.9R	30 53.390	-0.0000	20	-24 46 50.32	0.037	20	0.36		53.390	16	33.6	50.92	16	33.6	K5 J	14	15751	E -2516516
91		9.0A	31 0.747	0.0011	20	-20 23 40.62	-0.043	15	0.33		0.728	16	33.6	39.92	16	33.6	F8 J	13A	9852	A -20 6616
92		9.2R	31 13.003	0.0034	18	-22 58 45.45	0.039	18	0.34		12.947	16	33.6	46.09	16	33.6	G5 J	14	15752	E -2317950
93		8.4R	31 15.097	-0.0011	20	-26 2 58.37	0.019	20	0.36		15.115	16	33.6	58.69	16	33.6	G0 J	14	15753	E -2616694
94		9.0R	31 15.207	0.0025	20	-28 16 31.15	-0.020	20	0.36		15.165	16	33.6	30.83	16	33.6	KO M	13B	14972	J -2818240
95		8.2R	31 20.794	-0.0006	18	-23 13 6.32	-0.014	18	0.34		20.804	16	33.6	6.09	16	33.6	K5 J	14	15754	E -2317951
96		7.5T	31 22.482	0.0044	12	-25 8 11.17	0.025	11	0.66		22.254	15	97.8	12.55	18	95.2	FO	GC	32768	C -2516517
97		9.0R	31 25.431	-0.0010	20	-27 27 9.91	-0.006	20	0.36		25.447	16	33.6	9.82	16	33.6	G5 M	13B	14973	J -2716359
98		8.8R	31 28.665	-0.0001	20	-25 22 18.54	0.025	20	0.36		28.666	16	33.6	18.95	16	33.6	F8 J	14	15756	E -2516519
99		9.2R	31 31.244	-0.0011	15	-24 16 15.30	-0.051	15	0.29		31.263	16	33.6	16.12	16	33.6	G5 J	14	15757	E -2417740
00		9.4R	31 32.292	0.0037	20	-26 31 0.02	-0.021	20	0.36		32.232	16	33.6	-59.68	16	33.6	GO J	14	15758	E -2616697

192000			EPOCH 1950							ORIGINAL EPOCH							SP.		SOURCE		-20° 23H
NUMBER	MAGNITUDES m_{pg}	m_v	α_{1950} h m s	μ s	σ_μ .001"	δ_{1950} ° ′ ″	μ' ″	σ'_μ .001"	σ_{1950} ″	α_2 s	σ .01"	ep.	δ_2 ″	σ' .01"	ep.			CAT.	STAR NUMBER	DM NUMBER
1		9.6R	23 31 37.392	0.0008	18	-23 1 5.51	0.013	18	0.34	37.380	16	33.6	5.73	16	33.6	G5	M	14	15759	E -2317953
2		9.1R	31 45.603	-0.0013	12	-24 41 43.96	0.032	12	0.25	45.625	16	33.6	44.48	16	33.6	G0	J	14	15760	E -2516521
3		9.0R	31 52.656	0.0005	20	-27 58 3.57	0.000	20	0.36	52.648	16	33.6	3.58	16	33.6	F8	M	13B	14975	J -2818245
4		9.5R	31 55.965	0.0017	18	-23 29 24.92	-0.046	18	0.34	55.938	16	33.6	24.17	16	33.6	G0	J	14	15761	E -2317957
5		9.2A	31 57.792	-0.0017	20	-21 22 34.93	0.022	15	0.33	57.820	16	33.6	35.29	16	33.6	G5	J	13A	9856	A -21 6439
6		8.9A	32 1.058	0.0001	20	-20 26 50.62	-0.005	15	0.33	1.057	16	33.6	50.54	16	33.6	G5	J	13A	9857	A -20 6617
7		8.8R	32 7.011	0.0063	20	-27 41 35.27	0.000	20	0.36	6.908	16	33.6	35.28	16	33.6	G0	J	13B	14976	J -2818249
8		9.4R	32 7.154	-0.0043	20	-25 57 43.88	-0.006	20	0.36	7.225	16	33.6	43.79	16	33.6	F0	M	14	15762	E -2616752
9		8.2R	32 12.945	-0.0003	17	-27 59 22.67	-0.018	17	0.31	12.950	16	33.6	22.38	16	33.6	F8	J	13B	14978	J -2818250
10		8.5R	32 16.242	0.0100	18	-27 11 51.03	-0.076	18	0.34	16.079	16	33.6	49.79	16	33.6	G0	J	13B	14979	J -2716366
11		9.1R	32 17.291	0.0003	15	-25 14 0.35	-0.059	15	0.29	17.286	16	33.6	59.38	16	33.6	K2	J	14	15763	E -2516526
12		9.4R	32 22.924	0.0004	18	-22 3 5.22	0.019	18	0.34	22.917	16	33.6	5.53	16	33.6	G5	J	14	15764	E -2216368
13		9.1R	32 25.386	-0.0015	18	-22 8 4.81	-0.015	18	0.34	25.411	16	33.6	4.56	16	33.6	K0	J	14	15765	E -2216369
14		9.3R	32 29.669	0.0024	20	-24 10 58.24	0.008	20	0.36	29.631	16	33.6	58.36	16	33.6	G0	M	14	15766	E -2417752
15		9.2R	32 41.966	-0.0020	20	-25 49 19.45	-0.007	20	0.36	41.998	16	33.6	19.34	16	33.6	K5	J	14	15767	E -2616703
16		8.1R	32 43.638	0.0004	13	-29 0 47.45	0.029	13	0.27	43.632	16	33.6	47.93	16	33.6	G5	J	13B	14980	J -2918754
17		8.8R	32 56.880	-0.0026	20	-29 7 56.52	-0.024	20	0.36	56.922	16	33.6	56.12	16	33.6	G5	J	13B	14981	J -2918756
18		9.1R	32 57.645	0.0029	18	-22 53 14.89	0.027	18	0.34	57.597	16	33.6	15.33	16	33.6	K5	J	14	15768	E -2317960
19		9.3R	32 59.659	0.0016	15	-24 32 33.38	0.010	15	0.29	59.633	16	33.6	33.54	16	33.6	G5	J	14	15769	E -2417755
20		6.7T	33 2.110	0.0092	12	-27 45 53.22	-0.131	12	0.63	1.642	14	98.8	46.43	17	98.0	F8		GC	32802K	C*-2818257
21		9.0R	33 3.232	-0.0015	21	-28 55 43.09	-0.043	21	0.38	3.257	16	33.6	42.39	16	33.6	K0	J	13B	14983	J -2918757
22		9.2R	33 4.908	0.0079	20	-28 50 37.96	-0.106	20	0.36	4.779	16	33.6	36.22	16	33.6	G5	J	13B	14986	J -2918758
23		9.2R	33 5.984	-0.0017	17	-27 33 26.85	-0.019	17	0.31	6.011	16	33.6	26.55	16	33.6	K0	J	13B	14987	J -2716373
24		9.0R	33 8.692	-0.0015	18	-22 0 22.61	0.009	18	0.34	8.716	16	33.6	22.75	16	33.6	F8	J	14	15770	E -2216372
25		9.1R	33 9.132	0.0034	18	-22 41 13.12	-0.002	18	0.34	9.077	16	33.6	13.09	16	33.6	F5	J	14	15771	E -2317961
26		9.3A	33 17.304	0.0035	17	-20 19 31.97	-0.039	12	0.28	17.246	16	33.6	31.33	16	33.6	K0	J	13A	9863	A -20 6619
27		9.1R	33 20.114	0.0022	18	-21 55 8.68	0.011	18	0.34	20.077	16	33.6	8.85	16	33.6	F5	J	14	15772	E -2216374
28		9.4R	33 27.186	-0.0002	15	-25 32 11.15	-0.023	18	0.31	27.189	16	33.6	10.78	16	33.6	K0	M	14	15773	E -2516534
29		8.7R	33 27.679	0.0005	12	-27 11 36.87	-0.014	12	0.25	27.670	16	33.6	36.65	16	33.6	K2	J	13B	14990	J -2716376
30		6.5T	33 32.232	-0.0020	05	-27 9 10.72	0.014	05	0.24	32.317	09	06.7	11.35	09	05.7	A2		GC	32815	C*-2716377
31		9.7R	33 36.878	-0.0003	18	-23 10 57.55	0.017	18	0.34	36.884	16	33.6	57.83	16	33.6	F8	J	14	15774	E -2317963
32		9.3R	33 59.013	-0.0023	20	-26 5 39.16	0.009	20	0.36	59.050	16	33.6	39.31	16	33.6	G5	M	14	15775	E -2616707
33		7.7T	34 3.956	0.0058	12	-25 30 54.67	0.048	08	0.57	3.658	17	98.7	57.35	17	94.5	G5		GC	32822	C -2516539
34		8.7R	34 19.143	0.0006	18	-22 19 4.94	0.019	18	0.34	19.133	16	33.6	5.24	16	33.6	G5	J	14	15777	E -2216378
35		9.4R	34 24.733	0.0007	20	-25 42 44.20	-0.002	20	0.36	24.722	16	33.6	44.17	16	33.6	F5	J	14	15778	E -2616711
36		8.6R	34 32.691	0.0020	12	-26 8 29.68	0.004	12	0.25	32.659	16	33.6	29.75	16	33.6	A0	J	14	15780	E -2616713
37		9.3R	34 35.840	-0.0014	18	-25 28 59.10	-0.048	18	0.34	35.862	16	33.6	58.31	16	33.6	K0	M	14	15781	E -2516544
38		9.2R	34 52.032	-0.0043	20	-25 57 39.89	-0.010	20	0.36	52.103	16	33.6	39.73	16	33.6	K2	J	14	15782	E -2616715
39		8.7R	35 1.929	0.0022	17	-29 41 50.83	-0.000	20	0.34	1.893	16	33.6	50.83	16	33.6	F0	J	13B	14997	J -3019623
40		9.1A	35 2.728	-0.0016	20	-20 46 55.63	-0.001	15	0.33	2.755	16	33.6	55.61	16	33.6	G0	J	13A	9870	A -21 6452
41		9.1R	35 13.714	-0.0059	22	-23 41 27.53	-0.032	22	0.40	13.811	16	33.6	27.00	16	33.6	G5	J	14	15784	E -2417773
42		7.7T	35 14.131	-0.0019	14	-25 9 16.29	-0.062	12	0.71	14.226	18	00.1	13.02	18	97.1	F2		GC	32837	C -2516553
43		9.0R	35 19.575	-0.0014	17	-25 56 11.75	-0.012	17	0.31	19.598	16	33.6	11.56	16	33.6	K5	J	14	15785	E -2616720
44		8.0R	35 20.349	0.0029	17	-27 31 50.96	0.008	17	0.31	20.301	16	33.6	51.10	16	33.6	G5	J	13B	14999	J -2716385
45		8.3R	35 25.773	0.0012	17	-29 2 14.40	-0.018	17	0.31	25.754	16	33.6	14.11	16	33.6	K2	J	13B	15001	J -2918779
46		9.3R	35 27.677	0.0012	15	-24 8 24.39	-0.020	15	0.29	27.658	16	33.6	24.05	16	33.6	B9	J	14	15786	E -2417776
47		9.7R	35 31.504	-0.0024	15	-22 52 6.63	0.024	15	0.29	31.543	16	33.6	7.02	16	33.6	F0	M	14	15788	E -2317974
48		8.6R	35 32.480	0.0090	18	-25 29 51.85	-0.030	18	0.34	32.333	16	33.6	51.35	16	33.6	F8	J	14	15787	E -2516554
49		9.4R	35 34.319	-0.0068	20	-28 14 45.47	-0.055	20	0.36	34.431	16	33.6	44.58	16	33.6	G	M	13B	15002	J -2818274
50		9.6R	35 42.593	0.0018	15	-22 47 47.38	0.030	15	0.29	42.564	16	33.6	47.87	16	33.6	G0	J	14	15789	E -2317975
51		8.2R	23 35 43.765	0.0018	12	-29 38 13.14	-0.008	12	0.25	43.736	16	33.6	13.01	16	33.6	F2	J	13B	15003K	J -3019626
52		9.4R	35 43.940	0.0021	18	-23 49 56.68	-0.006	18	0.34	43.905	16	33.6	56.57	16	33.6	M3	M	14	15790	E -2417778
53		9.4R	35 47.742	0.0008	18	-22 26 8.79	0.029	18	0.34	47.729	16	33.6	9.26	16	33.6	G5	J	14	15791	E -2216393
54		9.0R	35 50.651	0.0079	20	-24 41 57.88	-0.028	20	0.36	50.521	16	33.6	57.42	16	33.6	G5	J	14	15792	E -2516556
55		8.5R	35 51.435	0.0009	18	-21 56 57.86	-0.002	18	0.34	51.420	16	33.6	57.82	16	33.6	K0	J	14	15793	E -2216395
56		8.0T	36 5.261	0.0003	12	-21 8 39.80	0.009	08	0.56	5.245	17	00.2	40.29	17	96.9	G0		GC	32856	-21 6453
57		8.2R	36 12.977	0.0043	17	-28 32 41.90	-0.012	17	0.31	12.906	16	33.6	41.70	16	33.6	F8	J	13B	15007K	J -2818279
58		8.5R	36 13.723	0.0019	18	-23 57 19.71	0.010	18	0.34	13.693	16	33.6	19.87	16	33.6	G0	J	14	15794	E -2417784
59		9.2R	36 16.556	-0.0017	18	-21 35 41.41	-0.032	18	0.34	16.584	16	33.6	40.89	16	33.6	G5	J	14	15795	E -2216397
60		9.0R	36 30.563	-0.0043	20	-26 59 43.08	-0.010	20	0.36	30.633	16	33.6	42.92	16	33.6	G0	J	13B	15008	J -2716394
61		9.4R	36 33.679	0.0042	18	-24 20 57.44	0.017	18	0.34	33.611	16	33.6	57.71	16	33.6	F5	J	14	15796	E -2417786
62		9.0R	36 34.045	0.0024	20	-25 15 26.22	-0.024	20	0.36	34.006	16	33.6	25.83	16	33.6	K2	J	14	15797	E -2516562
63		7.6R	36 39.444	0.0027	18	-22 12 3.64	0.061	18	0.34	39.400	16	33.6	4.63	16	33.6	F0	J	14	15798	E -2216398
64		9.3R	36 44.931	-0.0007	18	-24 48 56.03	-0.012	18	0.34	44.943	16	33.6	55.83	16	33.6	G5	J	14	15799	E -2516563
65		8.6R	36 45.462	0.0046	17	-27 26 2.84	0.033	17	0.31	45.387	16	33.6	3.39	16	33.6	F5	J	13B	15010	J -2716397
66		9.3A	36 52.418	-0.0007	20	-20 50 18.08	-0.019	15	0.33	52.430	16	33.6	17.78	16	33.6	G0	J	13A	9877	A -21 6458
67		9.4R	36 58.365	-0.0048	15	-25 29 9.96	-0.107	15	0.29	58.443	16	33.6	8.20	16	33.6	G0	J	14	15800	E -2516568
68		7.2T	37 5.103	0.0028	14	-22 48 36.88	-0.025	11	0.69	4.963	17	99.6	35.54	17	96.4	A0		GC	32871	C -2317984
69		8.1R	37 9.875	-0.0036	17	-29 48 26.55	-0.015	17	0.31	9.934	16	33.6	26.30	16	33.6	F0	J	13B	15011	J*-3019643
70		7.5R	37 19.528	0.0021	17	-29 13 10.95	-0.023	17	0.31	19.494	16	33.6	10.57	16	33.6	K0	J	13B	15012	J -2918790
71		9.2R	37 31.740	0.0033	20	-25 44 59.78	-0.004	20	0.36	31.686	16	33.6	59.72	16	33.6	K0	M	14	15802	E -2616732
72		9.2R	37 35.615	0.0015	20	-29 12 25.52	0.033	20	0.36	35.590	16	33.6	26.07	16	33.6	G5	M	13B	15015	J -2918793
73		7.6R	37 36.782	-0.0067	20	-28 38 7.91	-0.094	20	0.36	36.891	16	33.6	6.38	16	33.6	F5	J	13B	15016	J -2918794
74		8.7R	37 40.836	0.0047	12	-29 11 8.82	-0.086	12	0.25	40.760	16	33.6	7.42	16	33.6	F5	J	13B	15018	J -2918795
75		9.1R	37 41.138	0.0011	18	-22 15 24.66	0.012	18	0.34	41.119	16	33.6	24.85	16	33.6	K2	M	14	15803	E -2216410
76		7.5R	37 42.631	0.0001	20	-27 9 56.25	0.005	20	0.36	42.630	16	33.6	56.34	16	33.6	G5	J	13B	15019	J -2716402
77		7.5T	37 49.118	0.0070	15	-26 28 37.80	-0.148	12	0.72	48.767	17	99.9	29.82	18	96.0	F5		GC	32885	C*-2616736
78		9.5R	37 49.735	0.0037	18	-23 17 32.76	0.020	18	0.34	49.675	16	33.6	33.09	16	33.6	A5	J	14	15805	E -2317990
79		9.1R	37 56.752	-0.0001	18	-23 1 51.27	-0.026	18	0.34	56.754	16	33.6	50.85	16	33.6	G5	J	14	15806	E -2317991
80		9.4R	38 15.057	-0.0037	17	-26 37 12.42	-0.013	17	0.31	15.118	16	33.6	12.21	16	33.6	G0	M	14	15807	E -2716404
81		8.6R	38 28.120	0.0056	15	-25 24 35.51	0.110	15	0.29	28.028	16	33.6	37.31	16	33.6	F8	J	14	15808	E -2516585
82		8.8R	38 28.569	0.0004	20	-27 14 38.27	-0.078	20	0.36	28.563	16	33.6	37.00	16	33.6	G0	J	13B	15021	J -2716405
83		6.7T	38 30.511	0.0004	12	-24 26 15.45	-0.006	11	0.64	30.488	15	99.0	15.09	18	95.2	K5		GC	32897	C -2417796
84		9.4R	38 30.895	-0.0101	18	-23 30 50.56	-0.030	18	0.34	31.061	16	33.6	50.07	16	33.6	G5	J	14	15810	E -2317995
85		8.8R	38 38.935	0.0019	17	-27 40 39.79	0.002	17	0.31	38.903	16	33.6	39.83	16	33.6	K2	J	13B	15022	J -2818291
86		8.9A	38 42.623	0.0000	15	-20 44 31.21	-0.013	11	0.26	42.623	16	33.6	31.00	16	33.6	F0	J	13A	9884	A -21 6461
87		9.1A	38 47.193	-0.0049	18	-20 21 38.86	-0.208	12	0.30	47.273	16	33.6	35.45	16	33.6	K0	J	13A	9885	A -20 6633
88		8.5R	38 53.319	-0.0009	18	-25 56 51.56	-0.027	18	0.34	53.334	16	33.6	51.12	16	33.6	G0	J	14	15811	E -2616744
89		9.1R	38 53.634	0.0035	18	-24 9 24.48	-0.019	18	0.34	53.578	16	33.6	24.16	16	33.6	F5	J	14	15812	E -2417802
90		9.2R	38 57.407	-0.0004	18	-22 50 0.97	0.022	18	0.34	57.414	16	33.6	1.33	16	33.6	G5	J	14	15813	E -2317997
91		9.3R	39 3.300	-0.0028	20	-25 36 5.43	0.038	20	0.36	3.345	16	33.6	6.06	16	33.6	F2	J	14	15814	E -2616745
92		8.5R	39 7.585	-0.0001	18	-23 53 15.79	-0.010	18	0.34	7.587	16	33.6	15.61	16	33.6	G5	J	14	15815	E -2417807
93		7.9A	39 9.524	0.0010	20	-20 26 53.25	-0.000	15	0.33	9.508	16	33.6	53.25	16	33.6	K2	J	13A	9888	A -20 6635
94		9.0R	39 13.722	0.0015	17	-26 10 17.23	0.020	17	0.31	13.698	16	33.6	17.56	16	33.6	G5	M	14	15816	E -2616748
95		9.4R	39 23.467	0.0053	20	-27 13 58.00	-0.030	20	0.36	23.381	16	33.6	57.51	16	33.6	G5	M	13B	15024	J -2716413
96	9.0	7.8W	39 25.051	0.0019	21	-29 54 6.61	-0.053	21	0.42	25.018	22	32.8	5.70	21	32.8	K2		C7	12713	C -3019659
97		8.0R	39 39.647	0.0001	12	-27 54 57.66	-0.009	12	0.25	39.645	16	33.6	57.52	16	33.6	G5	J	13B	15026	J -2818297
98		9.4R	39 44.395	-0.0000	12	-24 45 35.64	-0.009	12	0.25	44.395	16	33.6	35.49	16	33.6	G0	J	14	15817	E -2516600
99		8.2R	39 58.462	-0.0088	17	-28 27 31.40	0.032	17	0.31	58.606	16	33.6	31.93	16	33.6	F8	J	13B	15028	J -2818301
00		9.0R	40 21.035	-0.0024	20	-25 34 19.90	0.006	20	0.36	21.074	16	33.6	20.00	16	33.6	K2	J	14	15818	E -2516604

192100			EPOCH 1950									ORIGINAL EPOCH						SP.	SOURCE		-20° 23H
NUMBER	MAGNITUDES m_{pg}	m_v	α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.		CAT.	STAR NUMBER	DM NUMBER
1		7.2T	23 40 25.538	0.0013	13	-29 19 17.35	-0.016	12	0.65	25.475	17	00.5	16.53	17	98.8	K2	GC	32934	C -2198811
2		9.0R	40 26.457	0.0087	15	-23 22 57.62	-0.022	15	0.29	26.315	16	33.6	57.26	16	33.6	G5 J	14	15819	E -2318012
3		9.1R	40 33.694	0.0132	12	-29 20 59.09	-0.127	12	0.25	33.478	16	33.6	57.02	16	33.6	G5 J	13B	15036	J -2198812
4		9.1R	40 34.329	0.0036	18	-23 57 10.20	-0.010	18	0.34	34.270	16	33.6	10.02	16	33.6	F2 J	14	15820	E -2417816
5		8.4A	40 42.538	0.0025	18	-21 22 3.09	-0.001	12	0.30	42.497	16	33.6	3.08	16	33.6	K0 J	13A	9892	A -21 6467
6		8.9R	40 44.507	0.0018	15	-24 49 3.86	-0.039	15	0.29	44.478	16	33.6	3.22	16	33.6	K2 J	14	15821	E -2516606
7		8.1R	40 44.761	-0.0024	18	-25 38 10.84	0.066	18	0.34	44.800	16	33.6	11.93	16	33.6	F2 J	14	15822	E -2616757
8		8.4R	40 48.186	0.0063	18	-21 59 3.35	0.030	18	0.34	48.082	16	33.6	3.84	16	33.6	K0 J	14	15823	E -2216424
9		9.0R	40 52.879	-0.0003	18	-23 30 31.77	0.049	18	0.34	52.883	16	33.6	32.36	16	33.6	K2 J	14	15824	E -2318015
10		7.9R	40 56.914	-0.0097	18	-23 10 44.50	-0.057	18	0.34	57.073	16	33.6	43.57	16	33.6	K0 J	14	15825	E -2318018
11		8.8A	41 10.302	0.0031	20	-20 33 7.04	0.013	15	0.33	10.251	16	33.6	7.26	16	33.6	F0 J	13A	9894	A -21 6468
12		9.3A	41 18.320	0.0008	20	-22 20 45.71	0.004	15	0.33	18.307	16	33.7	45.77	16	33.7	G5 J	13A	9895	A -22 6180
13		9.0R	41 20.099	0.0153	12	-28 19 14.10	-0.107	12	0.25	19.848	16	33.6	12.36	16	33.6	G5 J	13B	15040	J -2818316
14		6.2R	41 21.950	0.0005	15	-25 2 31.71	-0.006	15	0.29	21.941	16	33.6	31.61	16	33.6	F2 J	14	15826	E -2516612
15		9.0R	41 40.489	0.0017	12	-29 15 31.60	-0.029	12	0.25	40.461	16	33.6	31.13	16	33.6	G0 J	13B	15044	J -2918819
16		6.3T	41 52.948	-0.0052	10	-26 31 26.26	-0.011	07	0.51	53.233	15	94.9	25.62	15	90.7	F5	GC	32962K	C*-2616762
17		8.4R	41 57.545	-0.0004	20	-26 45 11.74	-0.047	20	0.36	57.551	16	33.6	10.98	16	33.6	F2 J	13B	15045	J -2716431
18		9.4R	41 59.805	0.0098	17	-27 31 17.60	-0.058	17	0.31	59.644	16	33.6	16.66	16	33.6	K0 M	13B	15046	J -2716430
19		8.5R	42 2.758	0.0047	12	-29 1 28.76	-0.012	12	0.25	2.681	16	33.6	28.56	16	33.6	K5 J	13B	15047	J -2918821
20		9.0A	42 8.737	-0.0054	15	-20 11 51.19	-0.190	11	0.26	8.825	16	33.7	48.09	16	33.7	G5 J	13A	9899	A -20 6643
21		9.1R	42 10.067	-0.0015	20	-22 21 52.48	0.001	20	0.36	10.091	16	33.6	52.49	16	33.6	K0 J	14	15828	E -2216435
22		9.1R	42 12.152	0.0016	17	-26 34 17.32	0.009	17	0.31	12.126	16	33.6	17.47	16	33.6	G5 M	14	15829	E -2616763
23		8.3R	42 12.682	-0.0011	18	-23 27 21.74	0.001	18	0.34	12.701	16	33.6	21.76	16	33.6	K0 J	14	15830	E -2318027
24		8.9R	42 12.845	0.0052	17	-26 47 9.70	0.035	17	0.31	12.761	16	33.6	10.28	16	33.6	K2 M	13B	15049	J -2716433
25		8.0R	42 14.505	0.0042	15	-25 56 5.37	-0.004	15	0.29	14.436	16	33.6	5.31	16	33.6	K2 J	14	15831	E -2616765
26		9.0R	42 14.524	-0.0013	17	-24 55 48.02	-0.013	17	0.31	14.545	16	33.6	47.81	16	33.6	G0 J	14	15832	E -2516618
27		8.1R	42 17.128	0.0019	18	-23 46 53.99	0.039	18	0.34	17.098	16	33.6	54.62	16	33.6	K0 J	14	15833	E -2417828
28		8.4R	42 31.665	-0.0046	18	-22 54 31.01	-0.100	18	0.33	31.740	16	33.7	29.38	16	33.7	K0 J	14	15834	E -2318029
29		9.2A	42 48.341	0.0030	18	-21 32 54.19	-0.002	15	0.31	48.291	16	33.7	54.15	16	33.7	G5 J	13A	9900	A -22 6183
30		9.1R	42 51.053	0.0022	15	-23 16 51.27	0.025	15	0.29	51.017	16	33.7	51.68	16	33.7	G0 J	14	15835	E -2318031
31		8.6R	42 52.030	0.0021	18	-22 7 17.47	0.034	18	0.33	51.996	16	33.7	18.02	16	33.7	G5 J	14	15836	E -2216439
32		9.3R	42 55.689	-0.0040	17	-21 53 55.26	0.013	17	0.31	55.754	16	33.7	55.47	16	33.7	F5 J	14	15837	E -2216440
33		9.3R	42 56.989	0.0012	17	-28 57 9.94	-0.016	17	0.31	56.969	16	33.7	9.69	16	33.7	A5 J	13B	15054	J -2918828
34		9.3R	43 0.278	0.0031	18	-23 41 9.33	-0.077	18	0.33	0.228	16	33.7	8.07	16	33.7	G5 J	14	15838	E -2417835
35		9.2R	43 1.167	0.0020	15	-24 45 22.48	0.029	15	0.29	1.134	16	33.7	22.95	16	33.7	G0 J	14	15839	E -2516622
36		9.3R	43 6.473	0.0040	12	-28 40 59.94	-0.006	12	0.25	6.407	16	33.7	59.84	16	33.7	G0 M	13B	15056	J -2918829
37		9.4R	43 24.577	-0.0003	20	-22 10 9.26	-0.016	20	0.36	24.581	16	33.7	9.00	16	33.7	K0 J	14	15840	E -2216444
38		8.2R	43 26.837	0.0043	15	-27 5 43.56	-0.008	15	0.29	26.768	16	33.7	43.44	16	33.7	G5 J	13B	15058	J -2716441
39		9.4R	43 45.049	0.0093	18	-22 6 51.46	0.051	18	0.33	44.898	16	33.7	52.29	16	33.7	G5 M	14	15842	E -2216445
40		9.0R	43 48.044	-0.0149	20	-27 10 41.02	-0.116	20	0.36	48.287	16	33.7	39.14	16	33.7	G5 J	13B	15059	J -2716444
41		8.5R	43 51.586	-0.0133	15	-23 18 18.50	-0.089	15	0.29	51.803	16	33.7	17.38	16	33.7	K0 J	14	15843	E -2318034
42		8.9R	43 57.565	0.0036	18	-24 8 29.80	0.046	18	0.33	57.507	16	33.7	30.54	16	33.7	F5 J	14	15844	E -2417844
43		9.1R	44 9.457	0.0003	15	-26 51 49.66	0.009	15	0.29	9.452	16	33.7	49.81	16	33.7	K0 J	13B	15061	J -2716445
44		8.7R	44 11.591	0.0031	12	-29 3 51.18	0.001	12	0.25	11.541	16	33.7	51.20	16	33.7	K5 J	13B	15062	J -2918837
45		7.8R	44 16.034	0.0009	18	-24 34 17.29	0.026	18	0.33	16.020	16	33.7	17.71	16	33.7	A0 J	14	15845	E -2417846
46		8.9R	44 20.389	0.0029	12	-27 35 57.39	-0.018	12	0.25	20.341	16	33.7	57.10	16	33.7	K5 J	13B	15063	J -2818338
47		8.8A	44 20.890	-0.0004	20	-20 2 19.26	-0.005	15	0.33	20.897	16	33.7	19.18	16	33.7	F5 J	13A	9906	A -20 6654
48		9.3R	44 32.692	0.0015	18	-24 21 20.52	0.013	18	0.33	32.668	16	33.7	20.73	16	33.7	G0 J	14	15846	E -2417847
49		8.8R	44 34.312	0.0008	18	-21 47 14.45	0.031	18	0.33	34.299	16	33.7	14.95	16	33.7	F8 J	14	15847	E -2216448
50		8.6R	44 39.217	0.0042	15	-22 3 8.11	-0.016	15	0.29	39.148	16	33.7	7.81	16	33.7	K0 J	14	15848	E -2216449
51		8.4R	23 44 50.317	0.0023	12	-24 45 22.36	0.020	12	0.25	50.279	16	33.7	22.68	16	33.7	F5 J	14	15849	E -2516638
52		8.1T	44 50.414	-0.0024	14	-22 33 7.83	-0.086	09	0.61	50.533	17	00.7	3.25	17	98.0	G0	GC	33016K	C*-23 476
53		9.3R	44 59.812	0.0006	17	-28 35 18.51	0.033	17	0.31	59.802	16	33.7	19.04	16	33.7	F8 M	13B	15068	J -2918840
54		8.7R	45 3.535	0.0029	15	-26 56 17.99	0.013	15	0.29	3.487	16	33.7	18.21	16	33.7	K0 J	13B	15069	J -2716450
55		8.8R	45 8.977	0.0044	15	-26 27 50.13	0.021	15	0.29	8.906	16	33.7	50.48	16	33.7	G5 J	14	15851	E -2616784
56	9.8	9.3W	45 10.946	0.0072	21	-29 49 31.05	-0.071	21	0.43	10.818	22	32.3	29.79	21	32.3	G0	C7	12754	C -3019688
57		8.0R	45 15.156	0.0016	18	-23 18 14.36	-0.007	18	0.33	15.131	16	33.7	14.25	16	33.7	K0 J	14	15852	E -2318043
58		8.4R	45 17.546	0.0019	18	-22 53 12.54	0.015	18	0.33	17.515	16	33.7	12.79	16	33.7	F5 J	14	15853	E -2318044
59		9.1R	45 23.436	0.0009	18	-22 11 25.95	-0.034	18	0.33	23.421	16	33.7	25.39	16	33.7	G5 J	14	15854	E -2216457
60		9.6R	45 31.506	-0.0006	18	-24 4 22.19	-0.008	18	0.33	31.515	16	33.7	22.05	16	33.7	F8 M	14	15855	E -2417855
61		9.4R	45 32.128	0.0011	18	-23 58 22.02	-0.036	18	0.33	32.110	16	33.7	21.42	16	33.7	G0 J	14	15856	E -2417856
62		8.4R	45 44.981	0.0134	17	-28 10 28.09	-0.081	17	0.31	44.762	16	33.7	26.78	16	33.7	G5 M	13B	15073	J -2818350
63		9.4R	45 53.225	-0.0001	15	-25 13 25.66	-0.027	15	0.29	53.226	16	33.7	25.22	16	33.7	F8 J	14	15859	E -2516644
64		9.5R	45 56.574	0.0014	18	-22 57 10.13	0.005	18	0.33	56.551	16	33.7	10.21	16	33.7	A5 J	14	15860	E -2318046
65		9.2R	46 10.521	-0.0001	20	-27 49 37.05	0.048	20	0.36	10.523	16	33.7	37.84	16	33.7	G0 J	13B	15075	J -2818351
66		9.4T	46 14.258	0.0044	17	-28 23 52.11	-0.123	11	0.69	14.057	22	03.9	46.60	21	05.1	G	GC	33046K	C -2818352
67		4.6H	46 19.467	0.0080	01	-28 24 24.70	-0.101	02	0.06	19.121	03	06.7	20.48	03	08.3	A0	F4	896	C -2818353
68		9.5R	46 20.608	-0.0030	18	-24 15 53.90	-0.008	18	0.33	20.658	16	33.7	53.76	16	33.7	F0 M	14	15862	E -2417866
69		9.0R	46 21.533	-0.0005	17	-25 25 19.63	-0.017	17	0.31	21.541	16	33.7	19.35	16	33.7	G5 M	14	15863	E -2516648
70		8.8A	46 25.434	-0.0001	20	-20 1 3.43	-0.008	15	0.33	25.436	16	33.7	3.30	16	33.7	K2 J	13A	9915	A -20 6658
71		8.9A	46 32.271	0.0006	20	-21 17 58.59	0.002	15	0.33	32.260	16	33.7	58.62	16	33.7	K0 J	13A	9916	A -21 6480
72		8.8R	46 32.765	0.0029	12	-26 22 17.94	-0.016	12	0.25	32.717	16	33.7	17.68	16	33.7	G0 J	14	15864	E -2616789
73		8.3R	46 34.207	0.0027	18	-23 30 2.73	0.019	18	0.33	34.163	16	33.7	3.04	16	33.7	K0 J	14	15865	E -2318052
74		7.0T	46 44.200	-0.0053	07	-28 7 53.10	-0.031	08	0.34	44.423	09	08.1	51.79	09	07.3	F8	GC	33055	C -2818361
75		9.2R	46 49.452	-0.0008	20	-25 55 35.72	-0.005	20	0.36	49.466	16	33.7	35.65	16	33.7	F5 J	14	15866	E -2616790
76		7.1H	46 50.847	-0.0002	02	-21 53 31.86	0.010	03	0.09	50.852	05	25.8	32.15	05	22.4	K0	F4	1624	-22 6199
77		8.7A	46 51.081	0.0008	20	-20 43 16.52	-0.001	15	0.33	51.068	16	33.7	16.50	16	33.7	K0 J	13A	9918	A -21 6483
78		9.5R	47 8.025	-0.0014	18	-23 22 37.59	0.016	18	0.33	8.048	16	33.7	37.85	16	33.7	A2 J	14	15868	E -2318056
79		8.4R	47 9.307	0.0018	20	-28 37 10.68	-0.036	20	0.36	9.278	16	33.7	10.10	16	33.7	K2 J	13B	15085	J -2918850
80		6.4T	47 14.286	-0.0016	13	-25 36 33.03	-0.020	12	0.68	14.367	18	98.7	31.97	18	96.1	A0	GC	33064K	C -2616796
81		9.0R	47 14.350	0.0090	17	-27 7 9.87	-0.075	17	0.31	14.268	16	33.7	8.65	16	33.7	G5 J	13B	15087	J -2716460
82		9.1A	47 14.451	-0.0002	20	-20 46 50.33	-0.014	15	0.33	14.455	16	33.7	50.11	16	33.7	K0 J	13A	9919	A -21 6484
83		8.5R	47 22.393	-0.0006	18	-24 26 37.11	-0.006	18	0.33	22.404	16	33.7	37.00	16	33.7	F2 J	14	15870	E -2417870
84		9.0R	47 29.472	0.0024	17	-29 41 33.16	0.026	17	0.31	29.432	16	33.7	33.58	16	33.7	G5 M	13B	15089	J -3019701
85		8.9R	47 33.822	-0.0007	18	-27 24 26.82	-0.010	18	0.33	33.833	16	33.7	26.66	16	33.7	K2 J	13B	15090	J -2716463
86		9.5R	47 34.703	-0.0049	15	-25 18 36.70	-0.047	15	0.29	34.783	16	33.7	35.93	16	33.7	F2 J	14	15871	E -2516659
87		9.0R	47 35.325	-0.9000	00	-25 54 56.56	-0.012	18	0.26	35.326	16	33.7	56.37	16	33.7	G5 J	14	15872	E -2616802
88		7.7T	47 38.567	0.0142	12	-29 40 48.59	0.017	11	0.65	37.807	18	96.5	49.53	17	94.6	G5	GC	33072K	C -3019702
89		8.4A	47 40.493	0.0028	12	-21 9 34.05	-0.005	11	0.24	40.448	16	33.7	33.98	16	33.7	A5 J	13A	9922	A -21 6485
90		9.2R	47 43.814	0.0070	20	-26 55 16.06	0.012	20	0.36	43.700	16	33.7	16.26	16	33.7	G5 J	13B	15092	J -2716465
91		9.3R	47 49.962	0.0029	18	-23 10 35.96	-0.004	18	0.33	49.916	16	33.7	35.90	16	33.7	K0 J	14	15873	E -2318062
92		8.0R	47 50.972	0.0030	18	-22 31 15.51	-0.001	18	0.33	50.924	16	33.7	15.50	16	33.7	K5 J	14	15874	E -2216472
93		9.1R	47 55.759	0.0037	12	-29 38 28.22	0.012	12	0.25	55.700	16	33.7	28.41	16	33.7	F8 M	13B	15093	J -3019704
94		7.2T	47 59.118	0.0019	08	-20 30 39.82	-0.019	07	0.45	59.022	18	99.8	38.78	18	94.4	A2	GC	33082	-21 6486
95		9.4R	47 59.985	-0.0018	18	-24 17 7.86	-0.015	18	0.33	+ 0.014	16	33.7	7.60	16	33.7	G5 J	14	15876	E -2417873
96		9.3R	48 2.477	0.0001	18	-22 44 31.93	0.039	18	0.33	2.476	16	33.7	32.57	16	33.7	G0 J	14	15877	E -2318063
97		8.7R	48 7.229	-0.0006	15	-26 11 9.68	-0.023	15	0.29	7.238	16	33.7	9.31	16	33.7	G0 J	14	15878	E -2616806
98		9.1R	48 7.347	-0.0063	13	-24 28 20.42	-0.017	13	0.27	7.451	16	33.7	20.13	16	33.7	G0 J	14	15879	E -2417876
99		9.1R	48 10.030	0.0023	18	-21 36 47.03	0.043	18	0.33	9.992	16	33.7	47.72	16	33.7	A2 J	14	15880	E -2216475
00		8.8R	48 16.526	-0.0003	22	-23 33 24.79	-0.039	22	0.40	16.530	16	33.7	24.14	16	33.7	A0 J	14	15881	E -2318065

192200

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	σ'_μ ″.001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	SOURCE CAT.	STAR NUMBER	DM NUMBER
1		9.5R	23 48 29.741	-0.0015	20	-25 33 17.75	0.009	20	0.36	29.766	16	33.7	17.90	16	33.7	G0 J	14	15882	E -2516664
2		9.0R	48 37.388	-0.0013	18	-25 26 32.23	0.025	18	0.33	37.409	16	33.7	32.63	16	33.7	G5 J	14	15883	E -2516667
3		9.3R	48 41.275	-0.0044	18	-23 42 54.65	0.005	18	0.33	41.347	16	33.7	54.73	16	33.7	A0 J	14	15884	E -2417880
4		8.6A	48 57.795	0.0011	20	-21 3 35.74	0.013	15	0.33	57.778	16	33.7	35.96	16	33.7	K5 J	13A	9929	A -21 6488
5		9.3R	49 0.481	0.0019	15	-24 1 23.03	-0.018	15	0.29	0.451	16	33.7	22.72	16	33.7	F5 J	14	15885	E -2417882
6		9.6R	49 11.191	-0.0030	18	-21 55 12.15	0.030	18	0.33	11.240	16	33.7	12.63	16	33.7	F5 J	14	15886	E -2216482
7		8.6R	49 15.072	0.0079	15	-24 21 40.91	0.022	15	0.29	14.944	16	33.7	41.26	16	33.7	F5 J	14	15887	E -2417883
8		8.9R	49 45.822	0.0039	15	-27 20 17.43	0.033	15	0.29	45.759	16	33.7	17.97	16	33.7	F8 J	13B	15102	J -2716471
9		9.2R	49 51.564	0.0066	17	-28 39 4.10	0.024	17	0.31	51.456	16	33.7	4.49	16	33.7	F8 J	13B	15103	J -2918664
10		9.3R	49 54.841	-0.0024	18	-24 26 36.03	-0.041	18	0.33	54.880	16	33.7	35.35	16	33.7	G0 M	14	15888	E -2417889
11		6.9T	50 6.032	0.0008	12	-25 15 48.49	0.028	10	0.61	5.990	14	96.7	50.02	14	95.7	K2	GC	33124	C -2516678
12		9.2R	50 19.085	0.0014	20	-25 24 49.64	0.013	20	0.36	19.061	16	33.7	49.85	16	33.7	K2 J	14	15890	E -2516681
13		8.5R	50 20.963	-0.0029	18	-21 45 30.62	-0.016	18	0.33	21.011	16	33.7	30.35	16	33.7	F5 J	14	15891	E -2216489
14		8.6R	50 24.440	-0.0007	17	-28 37 56.73	0.008	17	0.31	24.452	16	33.7	56.86	16	33.7	K0 J	13B	15105	J -2918870
15		9.1R	50 28.205	-0.0002	18	-23 50 2.29	0.027	18	0.33	28.208	16	33.7	2.72	16	33.7	K0 J	14	15892	E -2417893
16		8.7R	50 36.134	-0.0024	20	-26 20 18.03	0.002	20	0.36	36.173	16	33.7	18.07	16	33.7	G5 J	14	15893	E -2616818
17		9.0R	50 45.260	-0.0005	12	-29 9 19.85	-0.023	12	0.25	45.269	16	33.7	19.47	16	33.7	K0 M	13B	15106	J -2918872
18		6.2T	50 45.813	0.0034	05	-24 30 26.53	-0.007	06	0.25	45.662	06	05.7	26.21	06	05.3	A3	GC	33140	C -2417897
19		8.7R	50 46.111	-0.0057	18	-25 58 0.65	-0.052	18	0.33	46.205	16	33.7	59.81	16	33.7	G0 J	14	15896	E -2616819
20		9.3R	50 48.135	0.0044	12	-27 35 56.57	-0.031	12	0.25	48.063	16	33.7	56.07	16	33.7	A3 M	13B	15107	J -2818379
21		9.8A	51 0.664	0.0016	15	-20 30 6.14	-0.005	11	0.26	0.639	16	33.7	6.06	16	33.7	K5 J	13A	9938	A -21 6491
22		7.5A	51 3.855	0.0002	00	-20 47 43.41	-0.039	15	0.23	3.852	16	33.7	42.78	16	33.7	K0 J	13A	9939	A -21 6492
23		9.2A	51 9.001	-0.0023	18	-21 53 57.24	-0.071	13	0.30	9.039	16	33.7	56.09	16	33.7	F8 J	13A	9940	A -22 6217
24		7.5T	51 9.052	0.0039	12	-29 40 30.41	-0.000	11	0.61	8.856	17	99.9	30.40	18	97.7	K5	GC	33147K	C -3019728
25		9.4R	51 14.774	-0.0015	20	-22 34 43.84	0.067	20	0.36	14.799	16	33.7	44.93	16	33.7	G0 J	14	15898	E -2216496
26		8.9R	51 28.089	-0.0013	12	-28 46 0.49	-0.028	12	0.25	28.111	16	33.7	0.03	16	33.7	K2 J	13B	15111	J -2918877
27		9.4R	51 34.942	0.0009	20	-23 13 42.84	-0.015	20	0.36	34.928	16	33.7	42.60	16	33.7	G5 M	14	15899	E -2318082
28		9.4R	51 35.164	0.0010	20	-25 54 30.81	-0.134	20	0.36	35.148	16	33.7	28.63	16	33.7	G0 J	14	15900	E -2616826
29		9.0R	51 42.763	-0.0011	12	-28 0 59.16	-0.027	12	0.25	42.780	16	33.7	58.73	16	33.7	G5 M	13B	15112	J -2818386
30		7.6Q	51 45.958	0.0022	14	-27 19 15.36	0.028	15	0.74	45.848	17	01.0	16.76	19	00.4		GC	33157K	C -2716479
31		7.0Q	51 46.514	0.0015	11	-27 19 15.03	0.029	08	0.54	46.433	15	97.2	16.76	17	90.7	A2	GC	33158K	C*-2716479
32		8.9R	52 4.384	-0.0004	18	-23 18 38.49	0.036	18	0.33	4.391	16	33.7	39.08	16	33.7	F5 J	14	15901	E -2318084
33		7.9A	52 23.737	-0.0008	20	-20 19 24.53	-0.045	15	0.33	23.750	16	33.7	25.80	16	33.7	F5 J	13A	9945	A -20 6668
34		9.5R	52 30.348	-0.0028	20	-24 43 26.29	-0.027	15	0.33	30.394	16	33.7	25.85	16	33.7	K0 M	14	15902	E -2516692
35		7.3T	52 35.921	0.0022	20	-21 39 27.40	-0.026	18	0.94	35.813	18	01.9	26.10	18	01.0	K0	GC	33173	-22 6222
36		9.1R	52 39.889	0.0101	18	-21 54 33.71	-0.146	18	0.33	39.725	16	33.7	31.33	16	33.7	G5 J	14	15904	E -2216507
37		9.1R	52 44.957	-0.0015	20	-25 44 49.02	0.006	20	0.36	44.982	16	33.7	49.13	16	33.7	G5 J	14	15905	E -2616837
38		8.7R	52 56.964	0.0018	12	-27 42 57.24	-0.017	12	0.25	56.935	16	33.7	56.97	16	33.7	K2 J	13B	15121	J -2818394
39		9.1R	52 57.706	0.0036	18	-23 17 35.33	-0.007	18	0.33	57.648	16	33.7	35.22	16	33.7	K0 J	14	15906	E -2318086
40		8.6R	53 0.506	0.0017	20	-26 52 51.49	0.024	20	0.36	0.478	16	33.7	51.89	16	33.7	G5 J	13B	15122	J -2716487
41		7.9A	53 0.538	0.0001	17	-21 13 54.55	0.025	12	0.28	0.536	16	33.7	54.97	16	33.7	G0 J	13A	9950	A -21 6498
42		8.7R	53 4.605	0.0016	18	-24 30 30.87	-0.005	18	0.33	4.579	16	33.7	30.79	16	33.7	F5 J	14	15907	E -2417901
43		9.1R	53 13.296	-0.0032	18	-23 15 4.12	0.001	18	0.33	13.349	16	33.7	4.14	16	33.7	K0 J	14	15908	E -2318087
44		8.9R	53 15.302	0.0016	18	-23 53 1.80	0.013	18	0.33	15.276	16	33.7	2.00	16	33.7	F0 J	14	15909	E -2417903
45		9.0R	53 15.806	0.0031	20	-26 46 24.90	-0.010	20	0.36	15.756	16	33.7	24.75	16	33.7	K0 J	13B	15124	J -2716490
46		8.5R	53 19.621	0.0015	20	-24 39 31.96	0.013	20	0.36	19.596	16	33.7	32.17	16	33.7	G5 J	14	15910	E -2516700
47		9.1A	53 23.616	0.0009	20	-20 44 39.97	-0.018	15	0.33	23.602	16	33.7	39.68	16	33.7	F0 J	13A	9951	A -21 6499
48		8.2R	53 32.419	0.0015	17	-26 11 11.06	-0.005	17	0.31	32.395	16	33.7	11.15	16	33.7	K0 J	14	15911	E -2616842
49		8.7R	53 32.620	-0.0014	15	-25 34 35.99	-0.035	15	0.29	32.643	16	33.7	35.42	16	33.7	F8 J	14	15912	E -2516703
50		7.4T	53 32.735	0.0005	06	-22 16 13.63	0.026	07	0.31	32.711	10	05.4	14.79	10	04.6	M0	GC	33196	B*-22 6225
51		8.8R	23 53 42.462	-0.0036	20	-25 43 11.67	-0.003	20	0.36	42.520	16	33.7	11.63	16	33.7	G0 J	14	15914	E -2616844
52		6.3T	53 55.498	0.0001	07	-25 0 56.16	0.025	07	0.29	55.494	10	12.0	57.24	12	07.0	G5	GC	33200	C -2516707
53		9.0R	53 56.288	0.0028	20	-29 23 23.27	0.000	20	0.36	56.243	16	33.7	23.27	16	33.7	F8 J	13B	15127	J -2918891
54		7.8T	53 57.340	0.0047	13	-29 47 18.54	-0.050	09	0.61	57.099	17	98.9	15.89	18	97.2	K5	GC	33201	C -3019746
55		8.9A	53 59.215	0.0006	17	-20 27 26.75	-0.017	12	0.28	59.206	16	33.7	26.47	16	33.7	K2 J	13A	9954	A -20 6673
56		9.1A	53 59.290	0.0006	15	-20 4 20.71	-0.023	11	0.26	59.281	16	33.7	20.34	16	33.7	F8 J	13A	9955	A -20 6672
57		8.7R	54 1.034	0.0011	18	-21 53 56.63	0.015	18	0.33	1.016	16	33.7	56.87	16	33.7	K0 J	14	15916	E -2216517
58		9.2R	54 2.074	-0.0018	17	-28 5 14.08	-0.052	17	0.31	2.104	16	33.7	13.24	16	33.7	G0 M	13B	15129	J -2818402
59		9.0R	54 18.337	-0.0013	15	-24 42 13.09	0.003	15	0.29	18.358	16	33.7	13.13	16	33.7	F5 J	14	15918	E -2516709
60		9.3R	54 20.999	0.0003	20	-27 49 12.51	0.021	20	0.36	20.993	16	33.7	12.86	16	33.7	F5 M	13B	15131	J -2818404
61		9.4R	54 22.408	-0.0061	18	-21 37 1.37	-0.001	18	0.33	22.507	16	33.7	1.35	16	33.7	K5 M	14	15919	E -2216520
62		6.4T	54 33.612	0.0053	13	-26 54 8.19	0.022	12	0.67	33.338	17	98.7	9.40	17	95.8	K0	GC	33212	C*-2716494
63		8.5R	54 35.304	0.0018	20	-27 6 49.14	0.025	20	0.36	35.275	16	33.7	49.55	16	33.7	K0 J	13B	15133	J -2716495
64		6.6T	54 35.860	-0.0049	17	-21 6 42.30	-0.005	14	0.79	36.097	18	01.4	42.06	18	99.3	K0	GC	33213	-21 6500
65		8.5R	54 54.650	-0.0029	18	-21 55 32.64	-0.052	18	0.33	54.696	16	33.7	31.79	16	33.7	G5 J	14	15920	E -2216522
66		8.0R	54 55.290	0.0004	17	-28 19 2.43	0.010	17	0.31	55.283	16	33.7	2.60	16	33.7	G0 J	13B	15134	J -2818408
67		9.3R	54 58.878	-0.0027	15	-23 21 19.81	0.009	15	0.29	58.923	16	33.7	19.96	16	33.7	K0 J	14	15921	E -2318097
68		9.1R	54 59.984	0.0012	15	-27 0 21.12	-0.005	15	0.29	59.965	16	33.7	21.04	16	33.7	K0 J	13B	15135	J -2716497
69	10.3	9.5W	55 1.731	0.0029	21	-29 58 53.61	0.021	21	0.44	1.678	22	31.8	53.99	21	31.8	G5 L	C7	12813	C -3019752
70		9.0R	55 7.499	0.0012	21	-24 54 10.39	-0.018	21	0.37	7.479	16	33.7	10.09	16	33.7	K5 M	14	15922	E -2516716
71		8.5R	55 28.177	0.0052	17	-28 16 41.96	-0.027	17	0.31	28.092	16	33.7	41.53	16	33.7	F5 J	13B	15140K	J -2818413
72		8.2R	55 34.139	-0.0012	18	-22 10 46.76	0.007	18	0.33	34.159	16	33.7	46.87	16	33.7	A2 J	14	15924	E -2216528
73		9.1R	55 37.557	0.0036	12	-28 12 47.95	0.030	12	0.25	37.498	16	33.7	48.45	16	33.7	G0 M	13B	15141	J -2818415
74		8.8A	55 48.038	0.0058	17	-20 35 47.75	-0.017	12	0.28	47.944	16	33.7	47.47	16	33.7	A5 J	13A	9964	A -21 6505
75		9.2R	55 50.082	-0.0016	18	-22 10 41.63	-0.001	18	0.33	50.107	16	33.7	41.61	16	33.7	G5 J	14	15925	E -2216532
76		9.1R	55 50.798	0.0012	12	-26 11 49.75	0.019	12	0.25	50.778	16	33.7	50.07	16	33.7	F8 J	14	15926	E -2616853
77		8.9A	55 53.082	0.0014	20	-20 34 36.55	-0.046	15	0.33	53.059	16	33.7	35.81	16	33.7	K0 J	13A	9967	A -21 6506
78		7.9R	55 57.076	0.0033	18	-24 26 51.84	0.036	18	0.33	57.024	16	33.7	52.43	16	33.7	A2 J	14	15927	E -2417934
79		8.4R	55 59.288	0.0025	17	-29 29 20.18	-0.011	17	0.31	59.247	16	33.7	20.00	16	33.7	K0 J	13B	15143	J -2918903
80		8.8R	56 6.035	-0.0002	18	-26 48 13.35	0.001	18	0.33	6.039	16	33.7	13.37	16	33.7	F5 J	13B	15144	J -2716501
81		8.4R	56 7.218	0.0055	20	-29 46 50.65	-0.027	20	0.36	7.129	16	33.7	50.21	16	33.7	G0 J	13B	15145	J -3019761
82		8.9A	56 8.687	0.0008	20	-20 18 13.90	-0.008	15	0.33	8.673	16	33.7	13.77	16	33.7	F0 J	13A	9968	A -20 6681
83		9.1R	56 12.603	0.0132	17	-28 26 37.99	-0.055	17	0.31	12.388	16	33.7	37.10	16	33.7	G5 M	13B	15146	J -2818422
84		8.0R	56 16.094	-0.0019	20	-28 3 13.68	-0.050	20	0.36	16.125	16	33.7	12.87	16	33.7	G5 J	13B	15147	J -2818423
85		9.1R	56 22.505	-0.0014	15	-23 17 42.25	-0.001	15	0.29	22.528	16	33.7	42.24	16	33.7	F8 J	14	15929	E -2318104
86		9.4R	56 23.597	-0.0027	20	-23 56 38.11	-0.004	20	0.36	23.642	16	33.7	38.04	16	33.7	G0 J	14	15930	E -2417937
87		8.5R	56 27.905	0.0038	17	-28 55 49.00	0.005	17	0.31	27.843	16	33.7	49.08	16	33.7	K0 J	13B	15149	J -2918907
88		9.3R	56 29.174	-0.0035	12	-22 39 46.44	0.015	12	0.25	29.231	16	33.7	46.69	16	33.7	A0 J	14	15931	E -2318105
89		8.5A	56 32.278	0.0011	17	-20 54 16.69	-0.010	12	0.28	32.260	16	33.7	16.53	16	33.7	K0 J	13A	9970	A -21 6508
90		8.4R	56 40.507	-0.0160	20	-26 19 38.15	0.023	20	0.36	40.767	16	33.7	38.53	16	33.7	K2 J	14	15932	E -2616861
91		9.3A	56 49.888	0.0011	13	-21 13 26.83	-0.019	11	0.25	49.870	16	33.7	26.53	16	33.7	G5 J	13A	9972	A -21 6511
92		9.1R	56 51.606	-0.0031	15	-25 36 57.09	-0.041	15	0.29	51.657	16	33.7	56.43	16	33.7	K0 J	14	15933	E -2616863
93		7.5T	56 52.664	0.0362	15	-20 18 33.80	-0.297	15	0.76	50.923	22	01.9	19.19	21	00.8	K0	GC	33265	B*-20 6684
94		5.7T	56 53.861	-0.0001	06	-29 45 48.63	0.004	05	0.28	53.865	10	06.1	48.81	12	01.8	K5	GC	33266	C -3019765
95		8.2Q	56 55.928	0.0035	15	-26 48 9.88	-0.011	13	0.74	55.749	18	99.5	9.32	18	98.0	F0	GC	33267K	C*-2716506
96		8.5Q	56 56.169	0.0056	15	-26 48 18.76	0.030	13	0.75	55.886	18	99.8	20.34	18	97.8		GC	33269K	C -2716506
97		9.0R	56 57.595	-0.0003	20	-27 33 32.05	0.009	20	0.36	57.599	16	33.7	32.20	16	33.7	K0 M	13B	15153	J -2716505
98		7.8T	57 9.954	0.0003	15	-24 55 23.98	0.004	12	0.73	9.939	18	00.0	24.19	18	96.4	K0	GC	33274	C -2516732
99		9.0R	57 14.321	0.0037	20	-28 46 59.68	0.004	20	0.36	14.260	16	33.7	59.74	16	33.7	F5 J	13B	15156	J -2918912
00		8.8R	57 18.536	0.0008	20	-29 36 22.63	0.048	20	0.36	18.523	16	33.7	23.41	16	33.7	F8 J	13B	15157	J -3019769

-20°
23H

192300 | EPOCH 1950 | ORIGINAL EPOCH | SOURCE | -20° 23H

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	CAT.	STAR NUMBER	DM NUMBER
1		8.1R	23 57 19.322	0.0093	18	-22 42 24.97	0.030	18	0.33	19.171	16	33.7	25.46	16	33.7	G0 J	14	15936	E -2318108
2		9.1A	57 22.985	0.0056	17	-20 18 51.59	-0.015	12	0.28	22.893	16	33.7	51.35	16	33.7	G5 J	13A	9976	A -20 6687
3		8.4R	57 23.552	0.0022	17	-27 59 3.47	-0.018	17	0.31	23.515	16	33.7	3.18	16	33.7	K0 J	13B	15158	J -2818429
4		9.1A	57 29.148	0.0042	13	-21 11 31.02	-0.049	11	0.25	29.079	16	33.7	30.22	16	33.7	G0 J	13A	9978	A -21 6513
5		9.2R	57 31.702	0.0000	20	-23 20 35.54	-0.043	20	0.36	31.702	16	33.7	34.84	16	33.7	G5 M	14	15937	E -2318111
6		8.6R	57 32.080	-0.0032	20	-26 27 26.24	0.040	20	0.36	32.131	16	33.7	26.90	16	33.7	F8 J	14	15938	E -2616864
7		9.1R	57 35.794	0.0017	20	-25 36 11.29	0.006	20	0.36	35.766	16	33.7	11.39	16	33.7	G M	14	15939	E -2616866
8		8.4R	57 36.069	0.0002	18	-22 52 22.80	-0.008	18	0.33	36.067	16	33.7	22.67	16	33.7	K0 J	14	15941	E -2318112
9		8.6R	57 38.318	0.0029	15	-27 9 14.11	-0.031	15	0.29	38.272	16	33.7	13.61	16	33.7	F2 J	13B	15159	J -2716515
10		9.0R	57 40.382	0.0013	17	-25 13 51.94	0.012	17	0.31	40.360	16	33.7	52.13	16	33.7	K0 J	14	15942	E -2516745
11		8.6R	57 43.982	0.0108	18	-23 43 52.54	0.046	18	0.33	43.806	16	33.7	53.28	16	33.7	F8 J	14	15943	E -2417941
12		9.1R	57 51.653	0.0014	12	-27 18 50.68	0.022	12	0.25	51.631	16	33.7	51.04	16	33.7	G5 M	13B	15160	J -2716513
13		8.2R	57 58.342	0.0012	12	-25 54 2.20	-0.006	12	0.25	58.322	16	33.7	2.11	16	33.7	G5 J	14	15944	E -2616868
14		8.0R	58 10.461	-0.0005	12	-28 11 8.91	-0.001	12	0.25	10.469	16	33.7	8.90	16	33.7	K0 J	13B	15162	J -2818431
15		9.0A	58 21.534	-0.0015	20	-20 42 8.31	-0.014	15	0.33	21.559	16	33.7	8.09	16	33.7	A0 J	13A	9981	A -21 6515
16		9.2R	58 25.339	0.0051	18	-23 43 13.34	-0.079	18	0.33	25.256	16	33.7	12.04	16	33.7	G0 J	14	15946	E -2417944
17		9.1R	58 25.939	-0.0025	17	-21 55 48.57	-0.020	17	0.31	25.980	16	33.7	48.24	16	33.7	G5 J	14	15947	E -2216548
18		8.2R	58 28.057	0.0055	18	-23 3 16.96	-0.056	18	0.33	27.968	16	33.7	16.05	16	33.7	G5 J	14	15949	E -2318114
19		8.8R	58 30.100	0.0045	18	-23 42 59.10	-0.148	18	0.33	30.026	16	33.7	56.68	16	33.7	K0 J	14	15950	E -2417946
20		8.5A	58 35.939	0.0028	12	-20 59 3.20	0.017	09	0.23	35.894	16	33.7	3.49	16	33.7	G5 J	13A	9982	A -21 6516
21		8.9R	58 39.946	0.0020	18	-21 40 56.89	0.018	18	0.33	39.913	16	33.7	57.18	16	33.7	F5 J	14	15951	E -2216550
22		9.0R	58 45.820	0.0025	12	-27 49 14.38	0.001	12	0.25	45.779	16	33.7	14.40	16	33.7	K0 M	13B	15165	J -2818439
23		7.3T	58 47.664	-0.0023	12	-29 0 12.28	-0.016	12	0.66	47.783	15	98.8	11.42	18	96.1	K0	GC	33313	C* -2918925
24		9.3A	58 57.526	0.0014	18	-20 15 4.52	-0.020	13	0.30	57.503	16	33.7	4.19	16	33.7	G5 J	13A	9985	A -20 6693
25		8.9R	59 2.254	0.0003	12	-26 44 53.28	-0.031	12	0.25	2.249	16	33.7	52.78	16	33.7	K0 J	13B	15168	J -2716517
26		8.8R	59 8.846	0.0035	12	-28 29 37.91	0.045	12	0.25	8.790	16	33.7	38.65	16	33.7	K0 J	13B	15171	J -2818442
27		8.5R	59 16.209	-0.0092	20	-26 4 19.47	-0.310	20	0.36	16.359	16	33.7	14.43	16	33.7	A2 J	14	15953K	E -2616876
28		9.4R	59 22.704	0.0017	20	-28 24 33.56	0.032	20	0.36	22.676	16	33.7	34.09	16	33.7	F5 M	13B	15172	J -2818443
29		9.3R	59 30.468	0.0012	18	-22 57 8.26	-0.011	18	0.33	30.449	16	33.7	8.08	16	33.7	K5 J	14	15955	E -2318121
30		9.2R	59 31.038	-0.0041	12	-22 36 20.78	-0.003	12	0.25	31.105	16	33.7	20.73	16	33.7	F2 J	14	15956	E -2318120
31		9.1A	59 35.432	-0.0023	12	-21 8 59.72	-0.006	09	0.23	35.469	16	33.7	59.63	16	33.7	F5 J	13A	9986	A -21 6517
32		9.0R	59 40.980	0.0021	12	-26 57 24.99	-0.024	12	0.25	40.946	16	33.7	24.60	16	33.7	G0 J	13B	15176	J -2716520
33		8.7R	59 49.653	0.0010	17	-28 50 50.16	0.003	17	0.31	49.637	16	33.7	50.21	16	33.7	K0 J	13B	15180	J -2918934

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